

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050585.D
 Acq On : 14 Aug 2018 00:11
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:20:57 PM

Quant Time: Aug 14 07:40:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	569065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	873040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	786588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	355562	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	40386	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	
35) Dibromofluoromethane	7.59	113	37283	5.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.64%	
50) Toluene-d8	10.09	98	130302	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	12.40	95	38906	4.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	32014	5.06	ug/l	99
3) Chloromethane	2.06	50	43908	5.20	ug/l	97
4) Vinyl Chloride	2.18	62	44050	5.38	ug/l	94
5) Bromomethane	2.56	94	28740	5.72	ug/l	98
6) Chloroethane	2.70	64	28932	5.76	ug/l	95
7) Trichlorofluoromethane	3.01	101	59085	5.59	ug/l	98
8) Diethyl Ether	3.41	74	18282	4.76	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	36676	5.61	ug/l	99
10) Methyl Iodide	3.95	142	17667	5.60	ug/l	98
11) Tert butyl alcohol	4.79	59	9760	17.22	ug/l	95
12) 1,1-Dichloroethene	3.73	96	31433	5.11	ug/l	99
13) Acrolein	3.61	56	11633	19.18	ug/l	99
14) Allyl chloride	4.33	41	48278	4.93	ug/l	99
15) Acrylonitrile	5.00	53	53883	21.64	ug/l	98
16) Acetone	3.82	43	52048	21.91	ug/l	98
17) Carbon Disulfide	4.05	76	98952	4.95	ug/l	100
18) Methyl Acetate	4.33	43	33588	4.96	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	75033	4.38	ug/l	94
20) Methylene Chloride	4.55	84	42435	5.02	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	34663	5.21	ug/l	97
22) Diisopropyl ether	5.96	45	97948	4.88	ug/l	92
23) Vinyl Acetate	5.90	43	303684	21.52	ug/l	98
24) 1,1-Dichloroethane	5.85	63	67886	5.49	ug/l	97
25) 2-Butanone	6.84	43	75337	20.83	ug/l	96
26) 2,2-Dichloropropane	6.82	77	44204	4.47	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	38030	5.17	ug/l	98
28) Bromochloromethane	7.19	49	29728	5.22	ug/l	99
29) Tetrahydrofuran	7.22	42	38089	19.63	ug/l	96
30) Chloroform	7.37	83	69236	5.60	ug/l	95
31) Cyclohexane	7.66	56	57787	4.67	ug/l	# 80
32) 1,1,1-Trichloroethane	7.57	97	59089	5.57	ug/l	99
36) 1,1-Dichloropropene	7.80	75	47178	4.93	ug/l	99
37) Ethyl Acetate	6.93	43	27959	4.22	ug/l	# 93
38) Carbon Tetrachloride	7.77	117	52776	5.28	ug/l	94

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	45351	4.34	ug/l	95
40) Benzene	8.04	78	151535	5.14	ug/l	96
41) Methacrylonitrile	7.18	41	13875	3.88	ug/l #	91
42) 1,2-Dichloroethane	8.13	62	48318	5.21	ug/l	100
43) Isopropyl Acetate	8.17	43	53839	4.65	ug/l	98
44) Trichloroethene	8.84	130	39652	5.00	ug/l	99
45) 1,2-Dichloropropane	9.12	63	40974	5.29	ug/l	97
46) Dibromomethane	9.21	93	24196	5.11	ug/l	98
47) Bromodichloromethane	9.40	83	51826	5.23	ug/l	97
48) Methyl methacrylate	9.20	41	23102	4.00	ug/l	96
49) 1,4-Dioxane	9.20	88	5987	68.19	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	165664	20.05	ug/l	98
52) Toluene	10.16	92	87365	4.94	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	43301	4.40	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	51353	4.66	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	34942	5.10	ug/l	94
56) Ethyl methacrylate	10.43	69	33345	3.91	ug/l	96
57) 1,3-Dichloropropane	10.71	76	55385	4.92	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	72350	18.18	ug/l	99
59) 2-Hexanone	10.75	43	102073	17.82	ug/l	92
60) Dibromochloromethane	10.90	129	36675	4.86	ug/l	100
61) 1,2-Dibromoethane	11.01	107	30853	4.59	ug/l	97
64) Tetrachloroethene	10.63	164	38161	5.20	ug/l	99
65) Chlorobenzene	11.44	112	100303	5.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	39148	5.44	ug/l	97
67) Ethyl Benzene	11.51	91	149919	4.70	ug/l	98
68) m/p-Xylenes	11.62	106	111551	9.18	ug/l	98
69) o-Xylene	11.95	106	53670	4.59	ug/l	99
70) Styrene	11.97	104	82286	4.34	ug/l	99
71) Bromoform	12.13	173	24450	4.73	ug/l #	98
73) Isopropylbenzene	12.25	105	138443	5.15	ug/l	100
74) N-amyl acetate	12.07	43	34370	4.09	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	41503	5.47	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	35606m	5.54	ug/l	
77) Bromobenzene	12.53	156	40123	5.58	ug/l	98
78) n-propylbenzene	12.59	91	148279	4.88	ug/l	100
79) 2-Chlorotoluene	12.67	91	100357	5.34	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	109330	5.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	7763	4.37	ug/l	96
82) 4-Chlorotoluene	12.77	91	97090	5.19	ug/l	99
83) tert-Butylbenzene	12.99	119	95009	5.01	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	107622	4.88	ug/l	100
85) sec-Butylbenzene	13.17	105	127344	5.03	ug/l	98
86) p-Isopropyltoluene	13.29	119	101679	4.70	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	66761	5.23	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	66378	5.21	ug/l	95
89) n-Butylbenzene	13.62	91	78450	4.29	ug/l	95
90) Hexachloroethane	13.87	117	23085	5.94	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	66588	5.23	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5497	4.34	ug/l	94

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

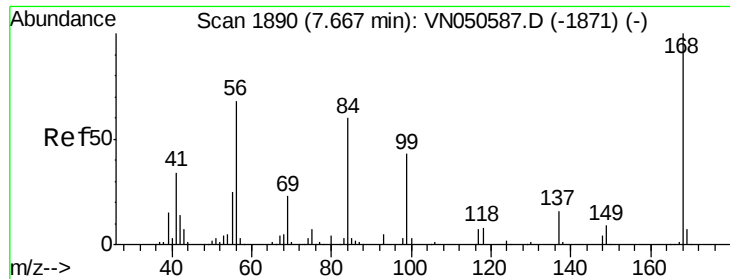
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	21475	3.35	ug/l	97
94) Hexachlorobutadiene	15.01	225	21110	4.53	ug/l	94
95) Naphthalene	15.13	128	35734	2.47	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	21692	3.35	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 569065

Ion Ratio Lower Upper

168 100

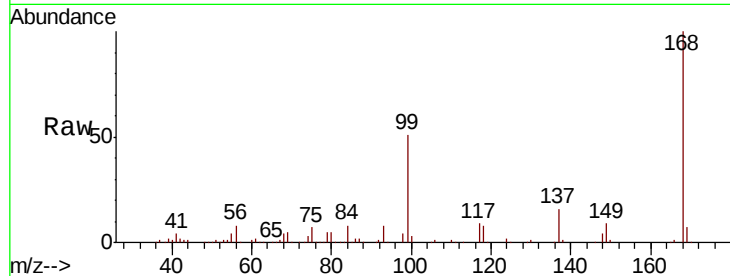
99 51.2 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

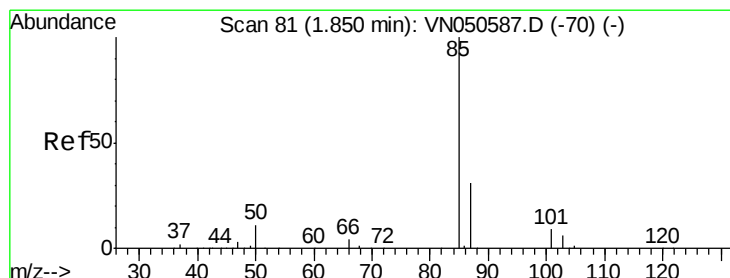
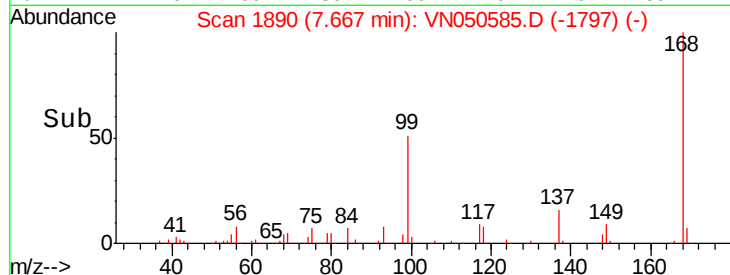
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 5.06 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050585.D

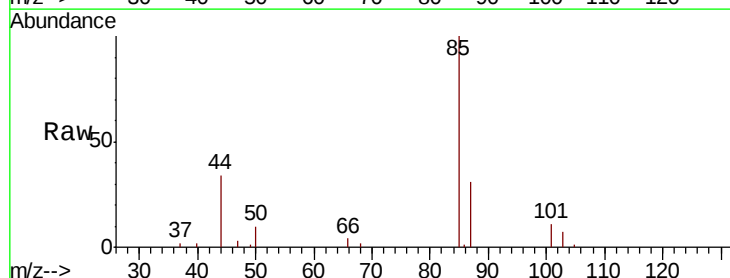
Acq: 14 Aug 2018 00:11

Tgt Ion: 85 Resp: 32014

Ion Ratio Lower Upper

85 100

87 31.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

25000

20000

15000

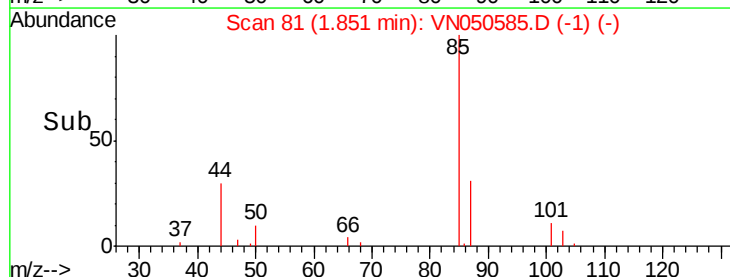
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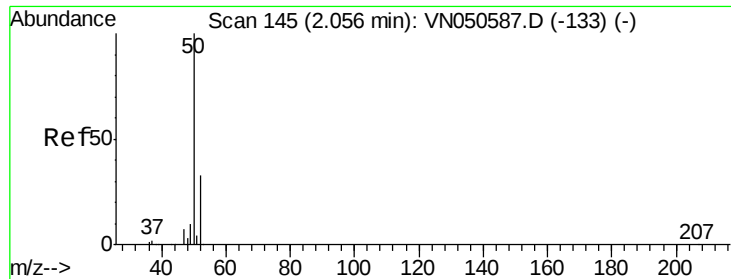
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 5.20 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 43908

Ion Ratio Lower Upper

50 100

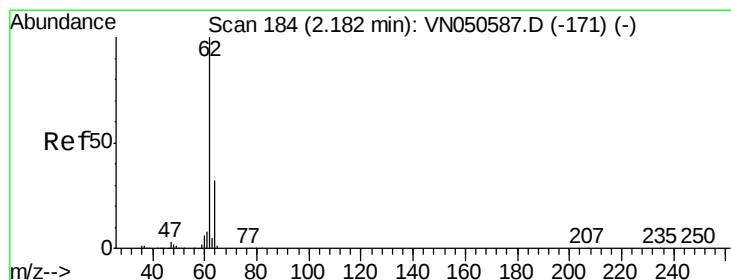
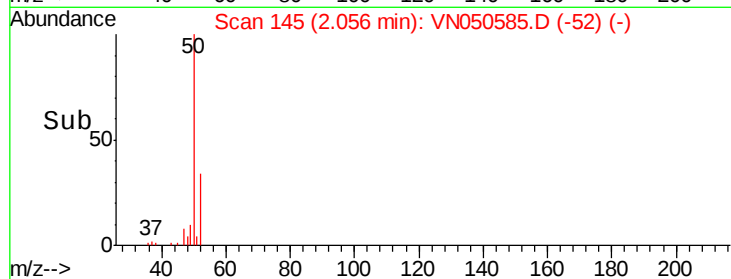
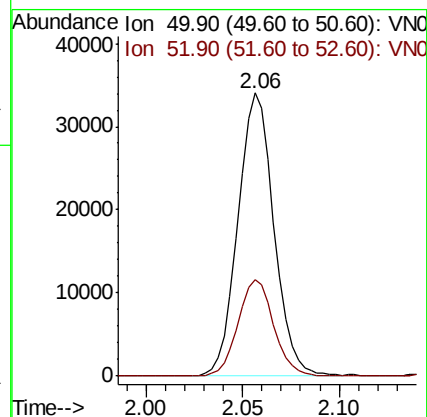
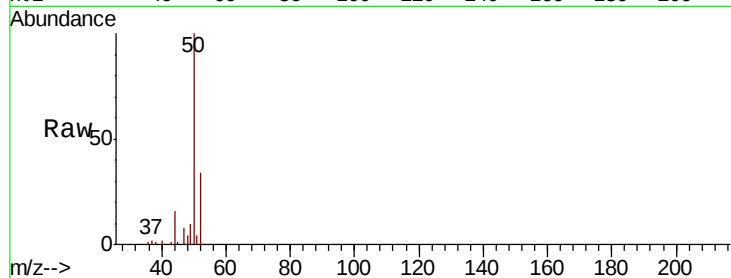
52 34.0 26.0 39.0

Manual Integrations

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8/15/2018 3:20:57 PM



#4

Vinyl Chloride

Concen: 5.38 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050585.D

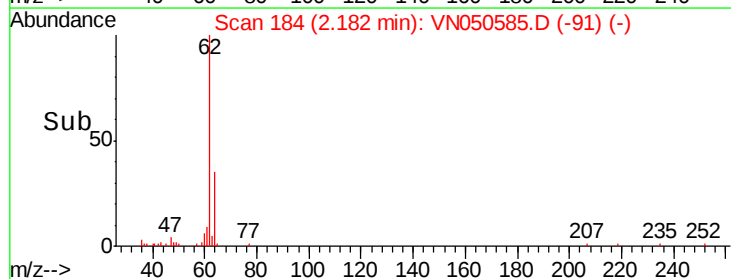
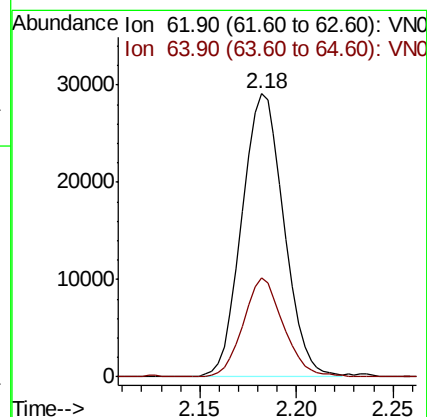
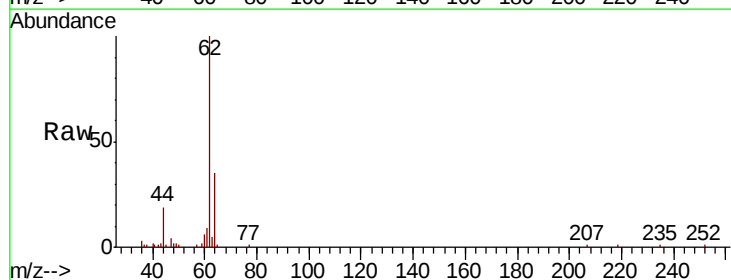
Acq: 14 Aug 2018 00:11

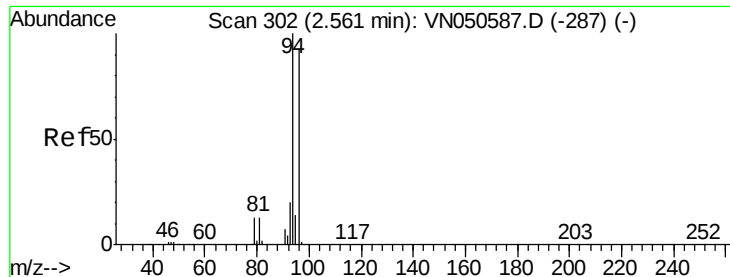
Tgt Ion: 62 Resp: 44050

Ion Ratio Lower Upper

62 100

64 35.0 25.2 37.8





#5

Bromomethane

Concen: 5.72 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 28740

Ion Ratio Lower Upper

94 100

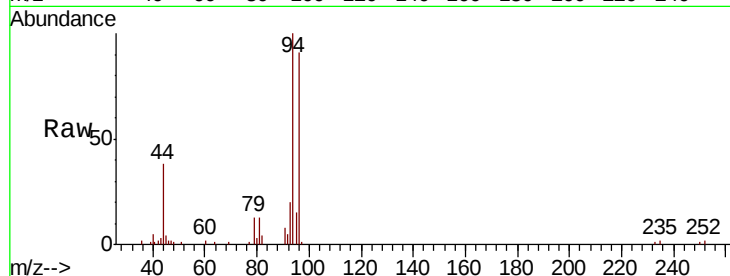
96 91.1 74.0 111.0

Manual Integrations

APPROVED

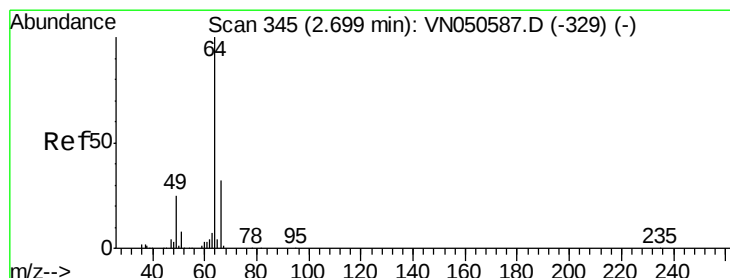
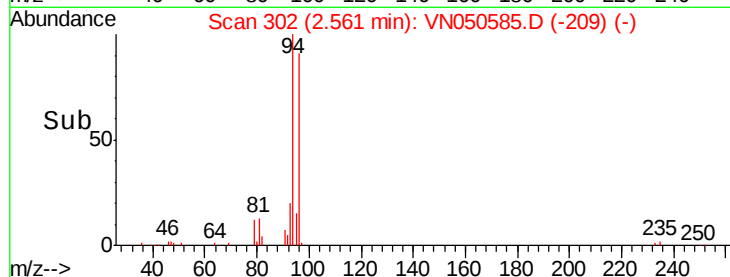
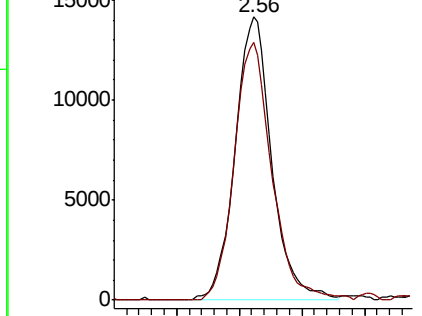
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 5.76 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050585.D

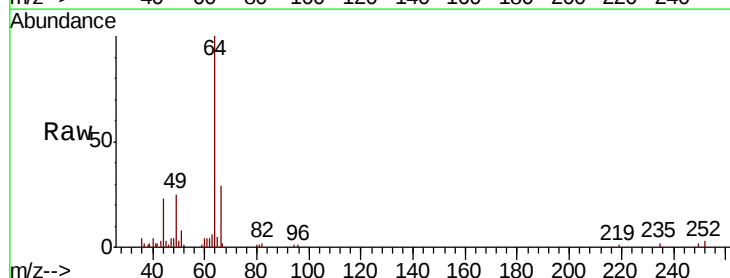
Acq: 14 Aug 2018 00:11

Tgt Ion: 64 Resp: 28932

Ion Ratio Lower Upper

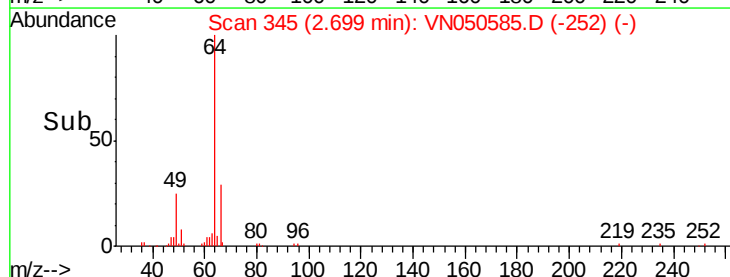
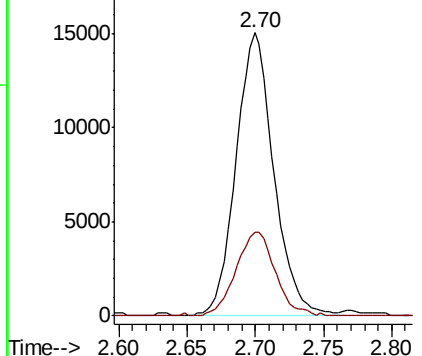
64 100

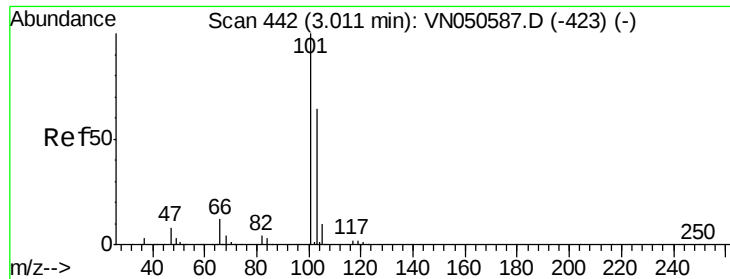
66 29.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

Trichlorofluoromethane

Concen: 5.59 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 59085

Ion Ratio Lower Upper

101 100

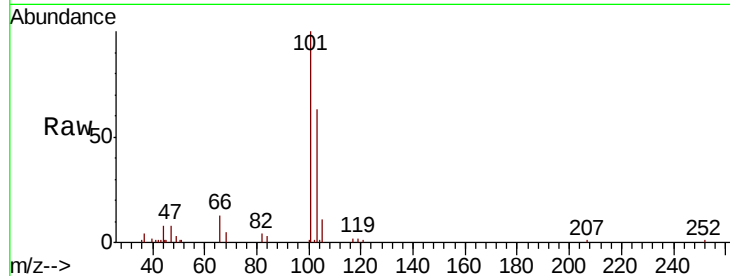
103 62.8 51.4 77.0

Manual Integrations

APPROVED

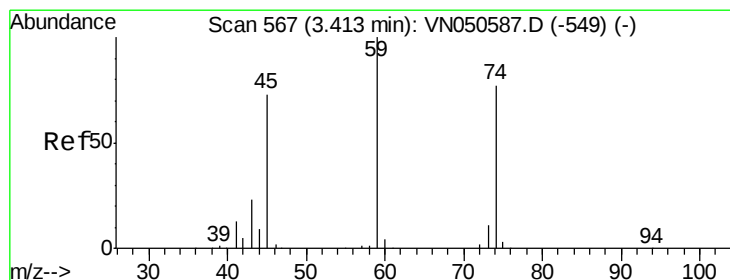
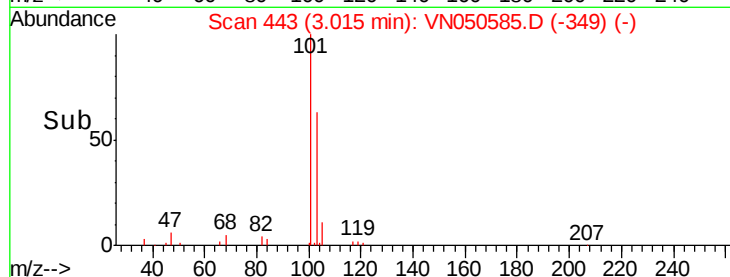
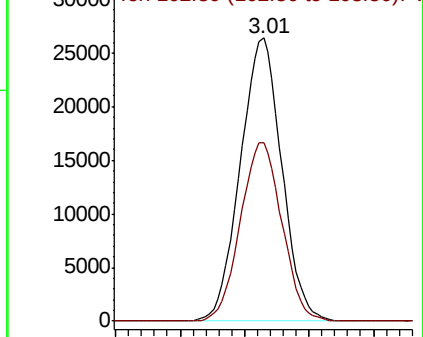
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 4.76 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050585.D

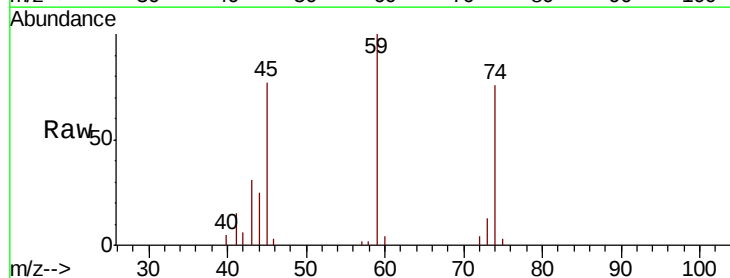
Acq: 14 Aug 2018 00:11

Tgt Ion: 74 Resp: 18282

Ion Ratio Lower Upper

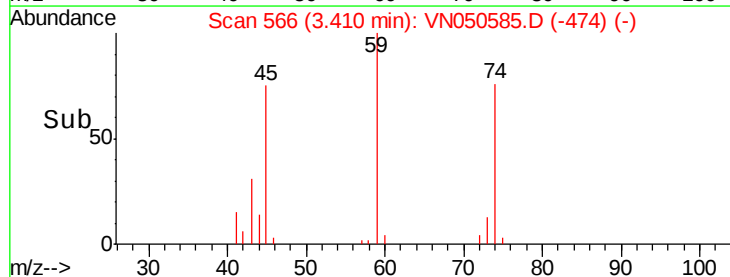
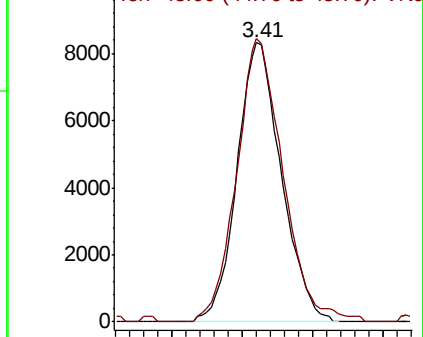
74 100

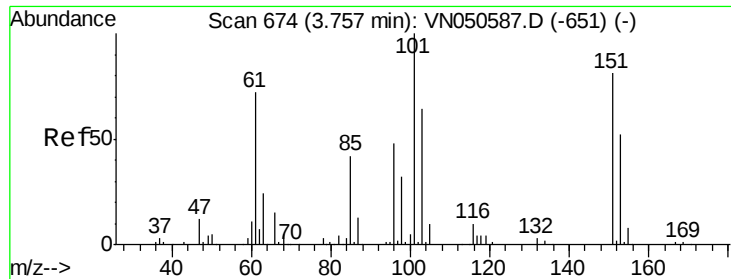
45 106.3 48.0 144.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.61 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

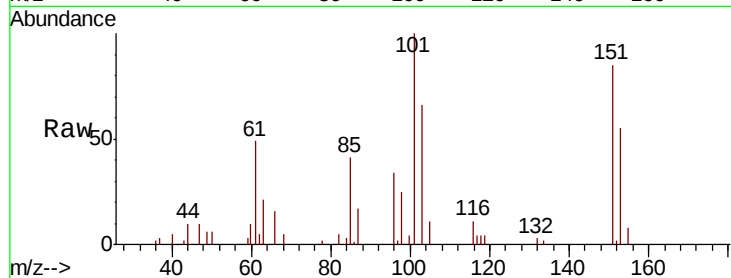
ClientSampleId :

VSTDIC005

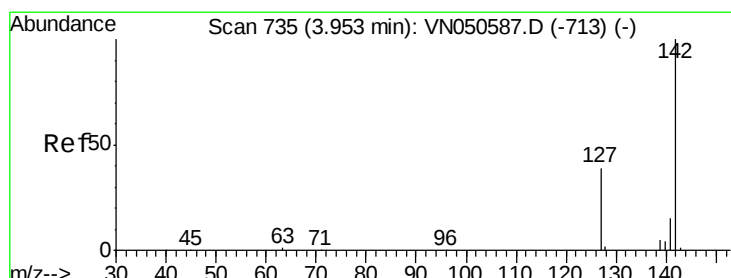
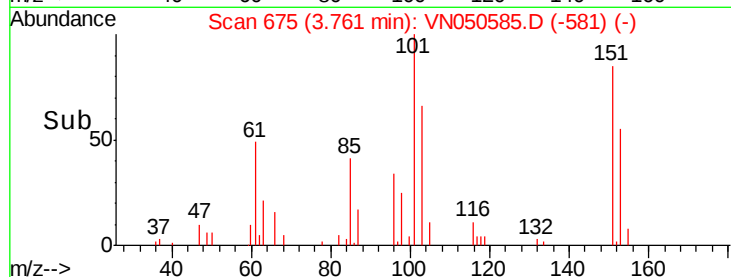
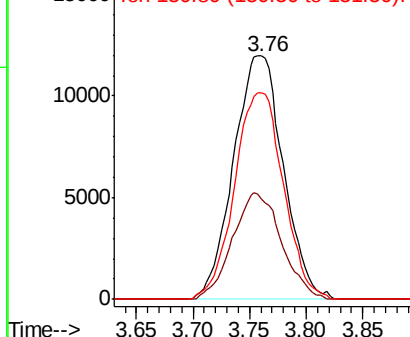
Tot Ion:	101	Resp:	36676
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.4	50.0
151	83.2	66.6	100.0

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.60 ug/l

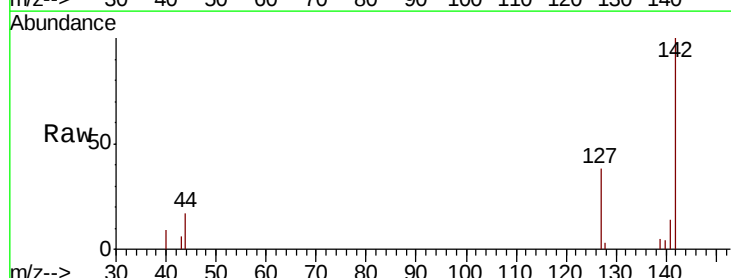
RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

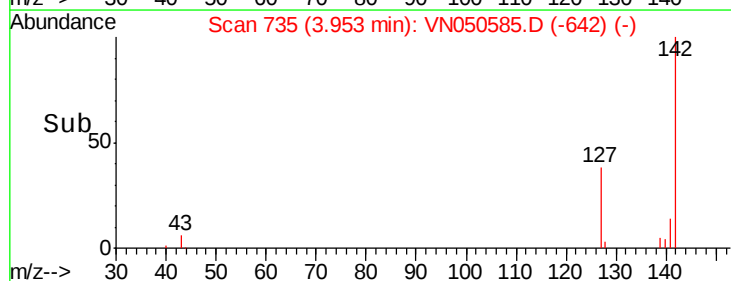
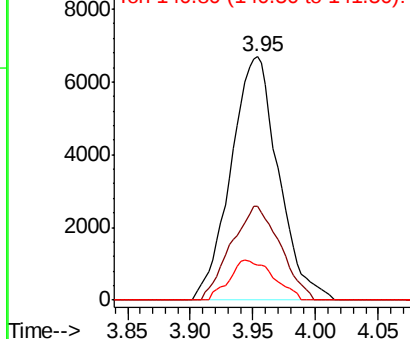
Lab File: VN050585.D

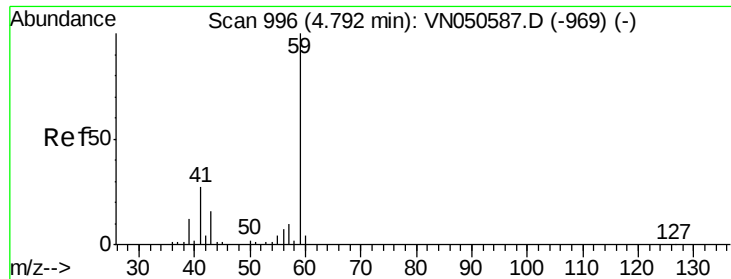
Acq: 14 Aug 2018 00:11

Tgt Ion:	142	Resp:	17667
Ion Ratio	Lower	Upper	
142	100		
127	39.5	32.6	49.0
141	15.3	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

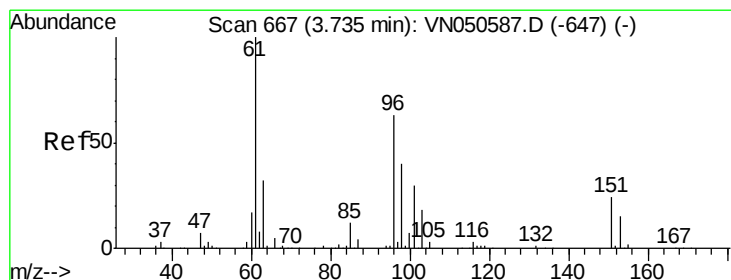
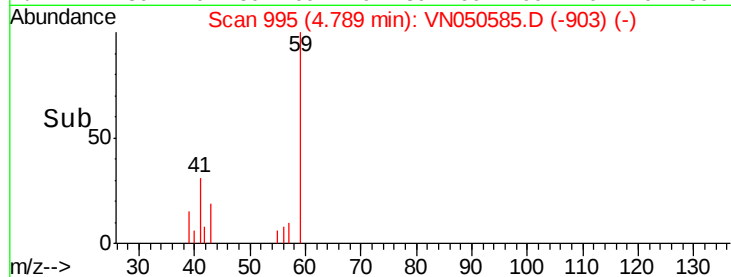
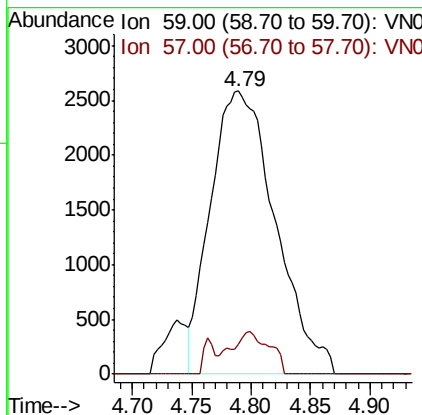
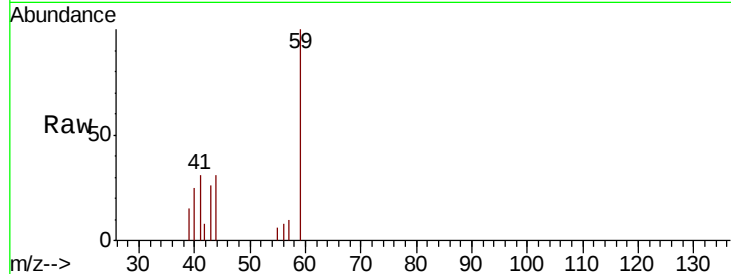
Tert butyl alcohol
Concen: 17.22 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.4	12.6

Manual Integrations
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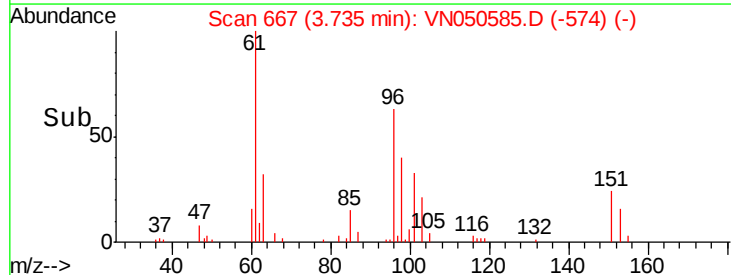
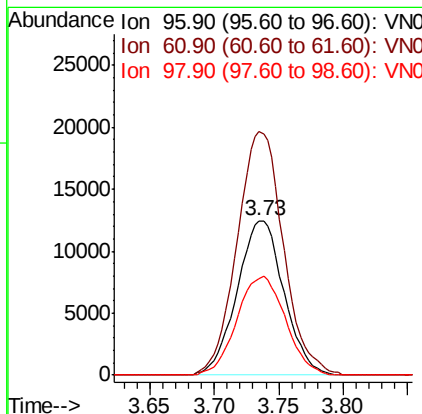
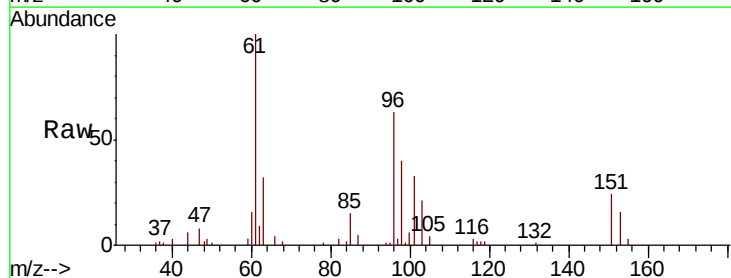
MMDadoda
8/15/2018 3:20:57 PM

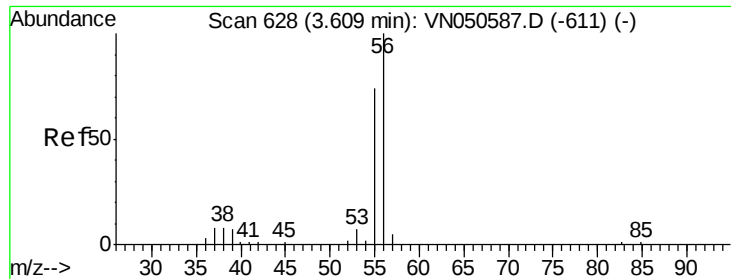


#12

1,1-Dichloroethene
Concen: 5.11 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	126.9	190.3
98	62.4	51.1	76.7





#13

Acrolein

Concen: 19.18 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 11633

Ion Ratio Lower Upper

56 100

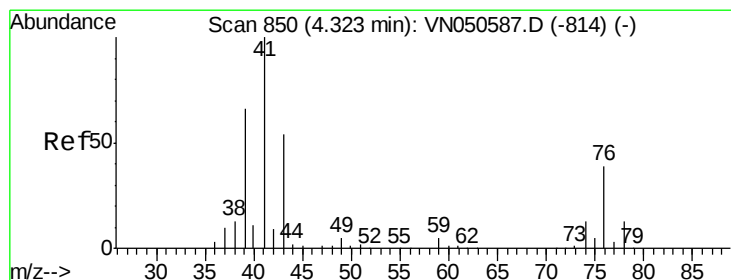
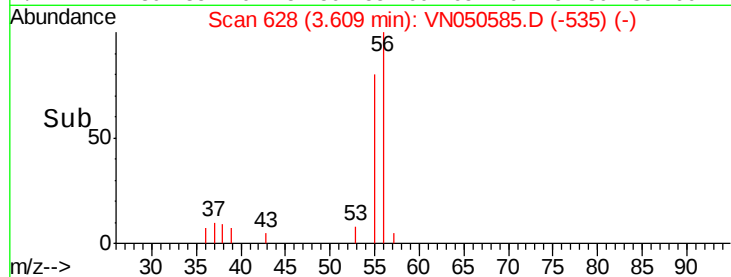
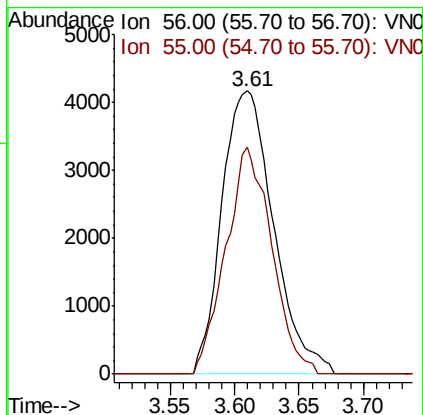
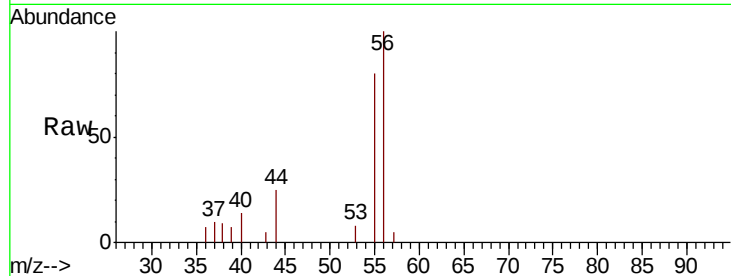
55 71.2 56.3 84.5

Manual Integrations

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#14

Allyl chloride

Concen: 4.93 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

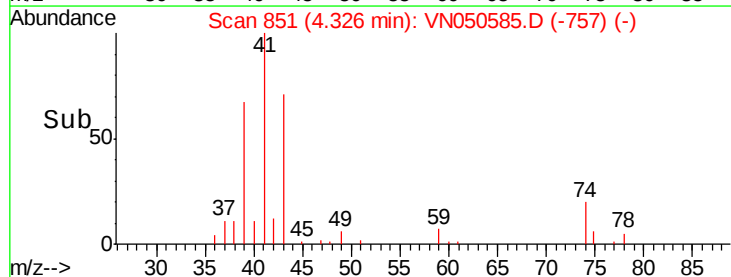
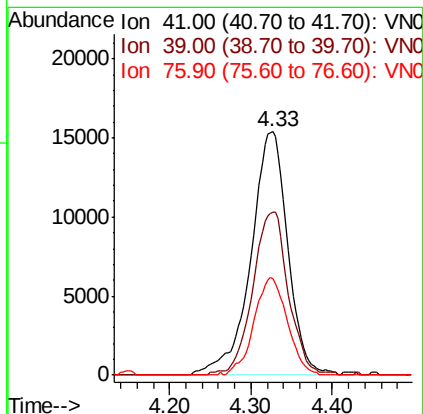
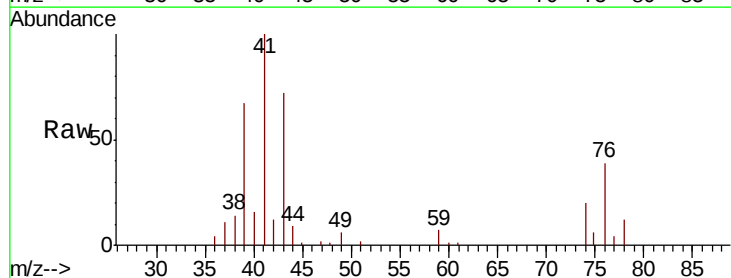
Tgt Ion: 41 Resp: 48278

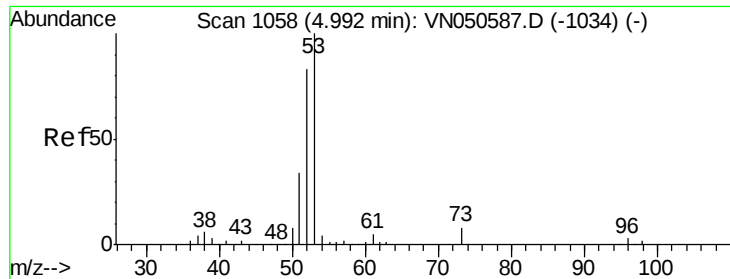
Ion Ratio Lower Upper

41 100

39 64.9 51.4 77.0

76 36.0 29.4 44.0





#15

Acrylonitrile

Concen: 21.64 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

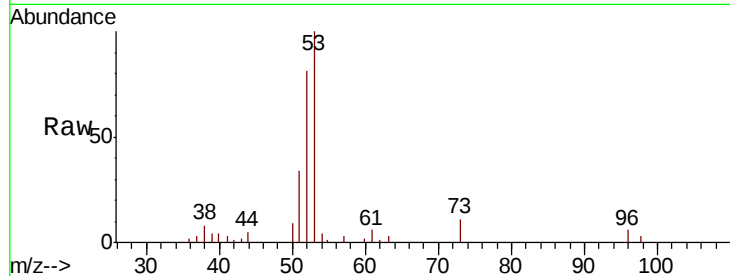
ClientSampleId :

VSTDIC005

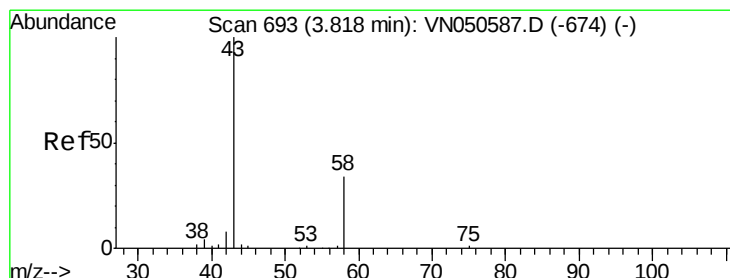
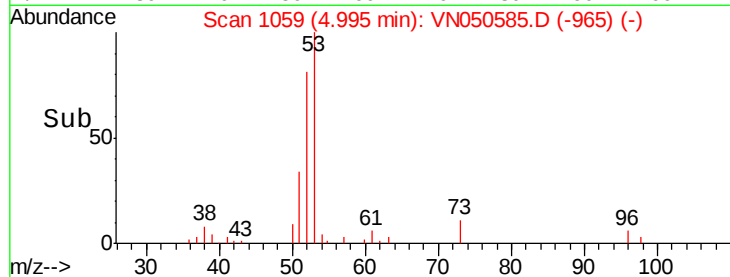
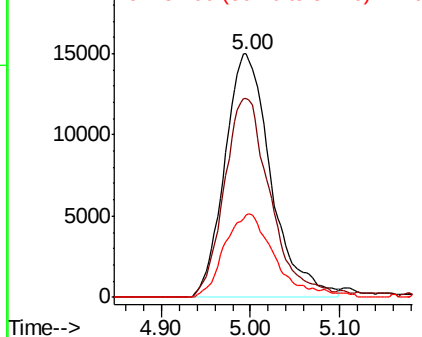
Tot Ion:	53	Resp:	53883
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.2	99.2
51	36.8	28.6	43.0

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 21.91 ug/l

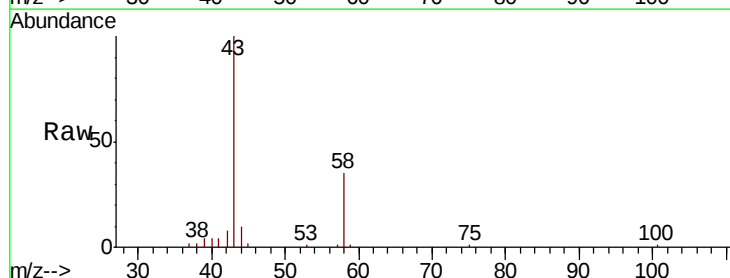
RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

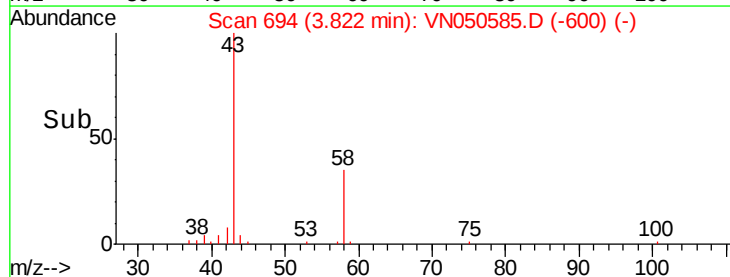
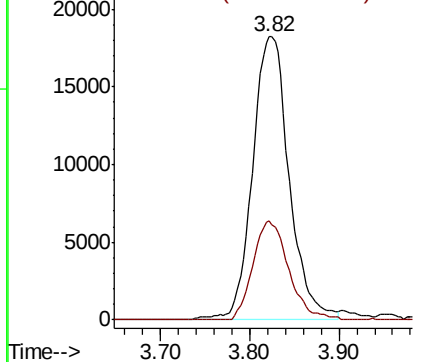
Lab File: VN050585.D

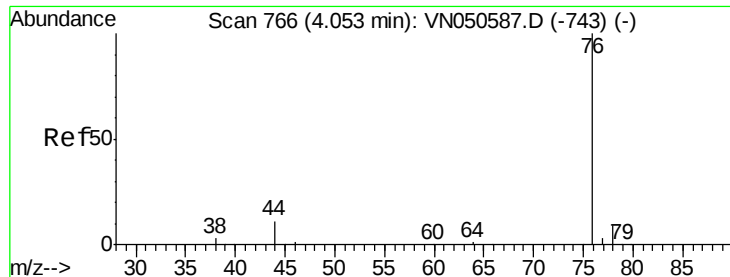
Acq: 14 Aug 2018 00:11

Tgt Ion:	43	Resp:	52048
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.1	40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





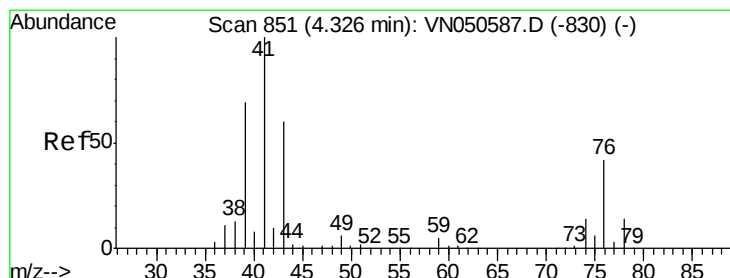
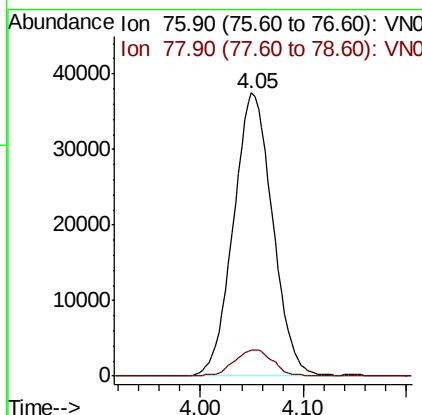
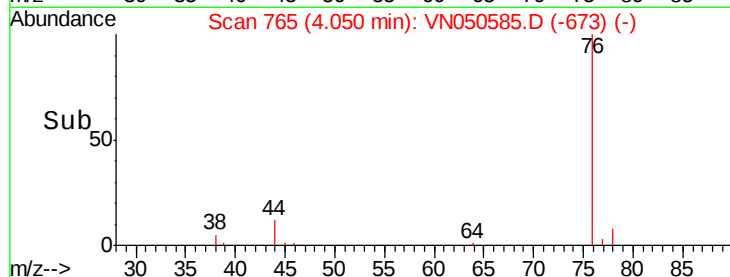
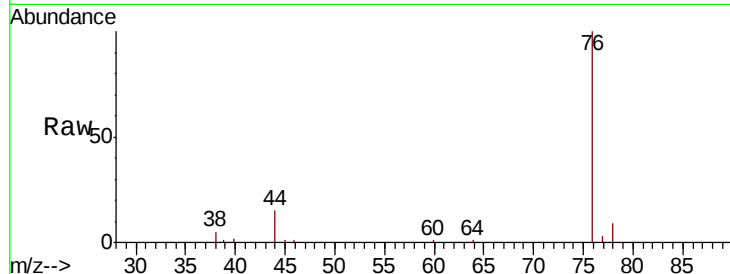
#17
Carbon Disulfide
Concen: 4.95 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

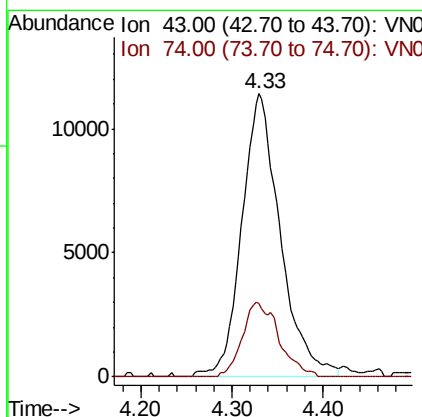
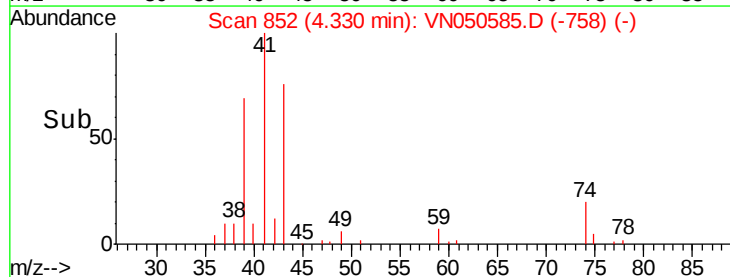
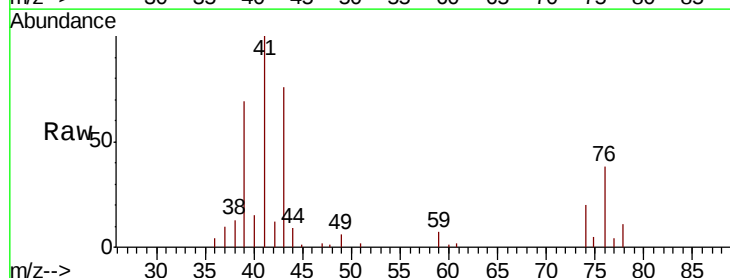
Manual Integrations
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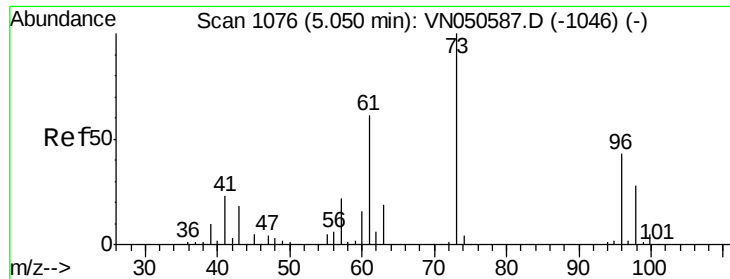
MMDadoda
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#18
Methyl Acetate
Concen: 4.96 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.7	29.5





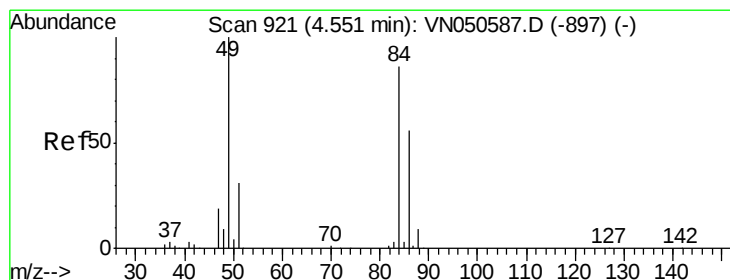
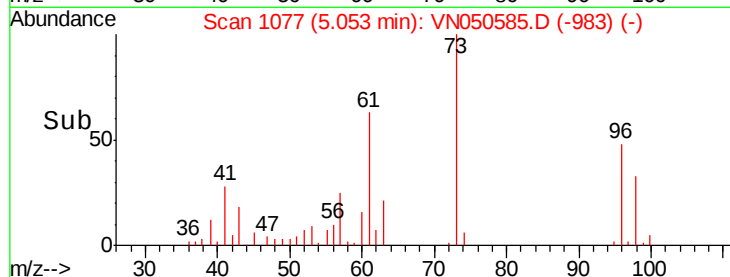
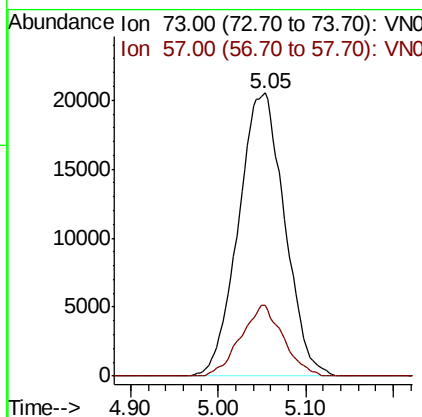
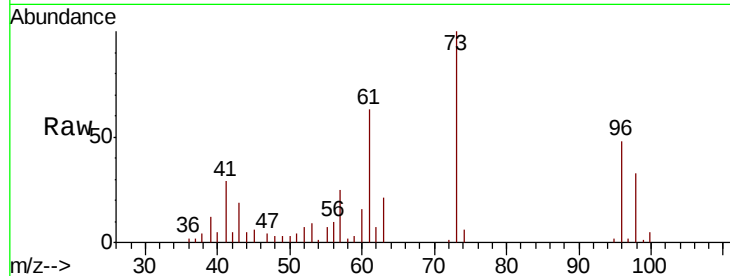
#19
Methyl tert-butyl Ether
Concen: 4.38 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 73 Resp: 75033
Ion Ratio Lower Upper
73 100
57 25.1 17.9 26.9

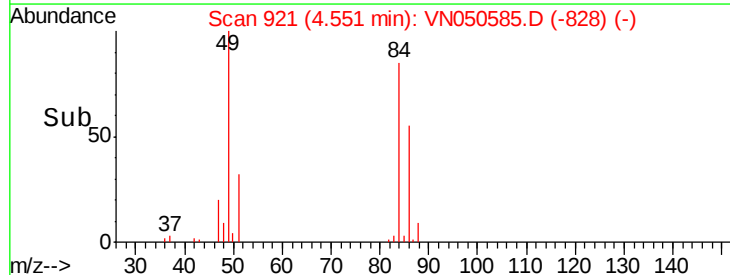
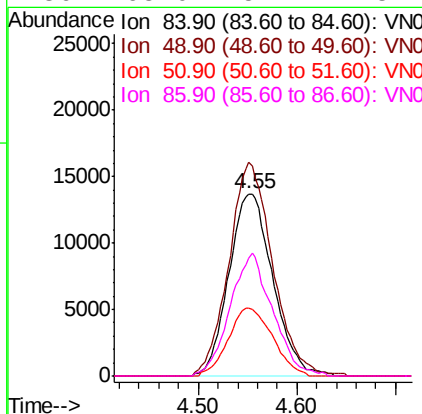
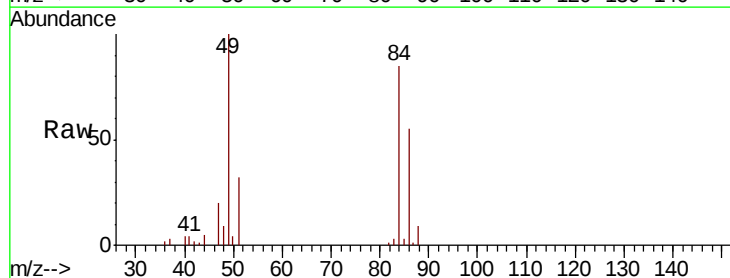
Manual Integrations
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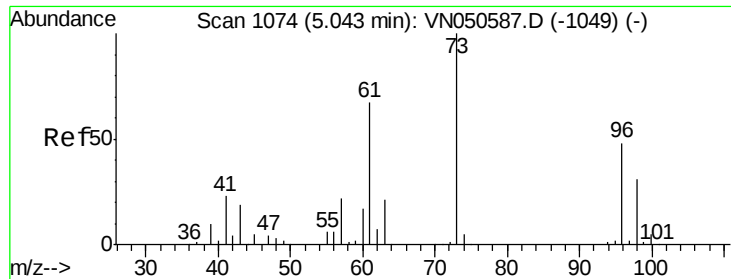
MMDadoda
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#20
Methylene Chloride
Concen: 5.02 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion: 84 Resp: 42435
Ion Ratio Lower Upper
84 100
49 117.3 92.6 138.8
51 37.0 28.6 43.0
86 65.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 5.21 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

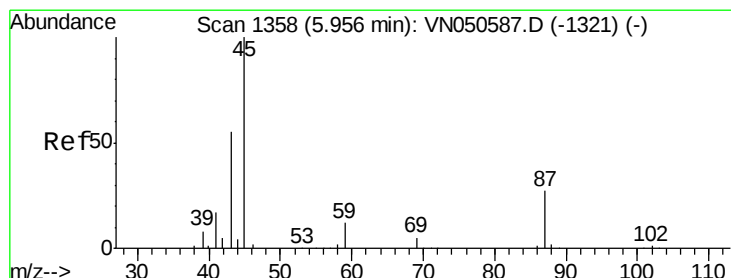
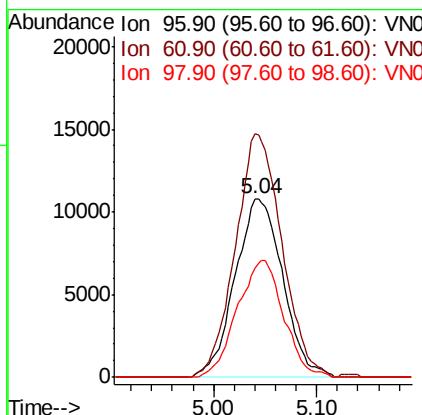
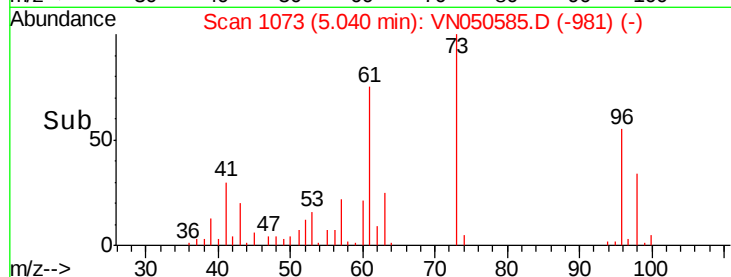
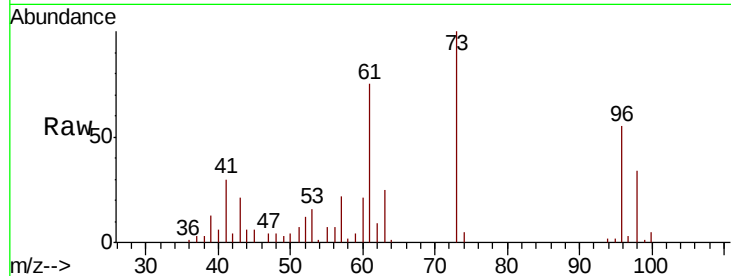
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	34663
Ion	Ratio	Lower	Upper
96	100		
61	136.1	111.2	166.8
98	61.3	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.88 ug/l

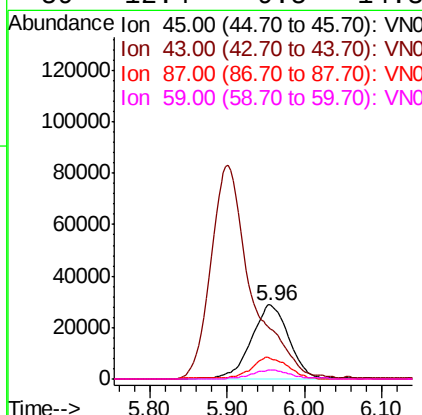
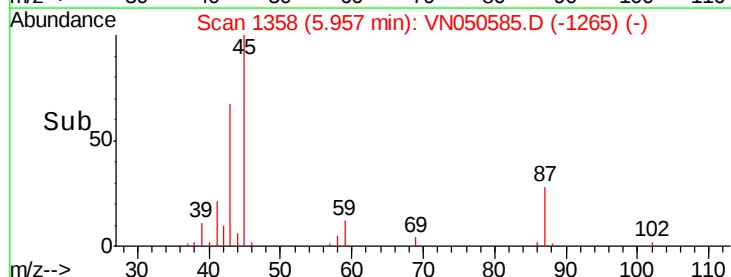
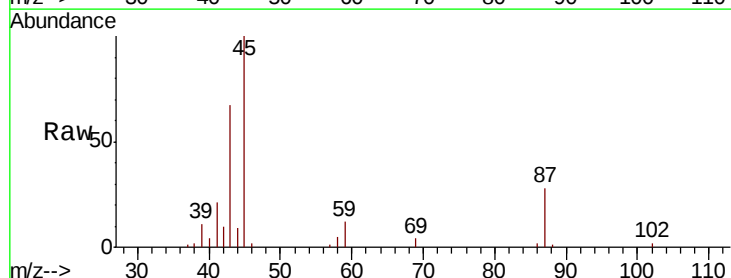
RT: 5.96 min Scan# 1358

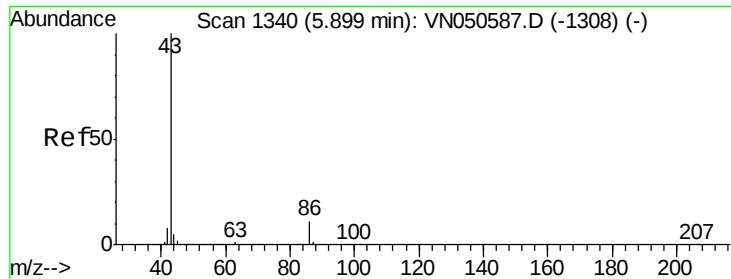
Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Tgt Ion:	45	Resp:	97948
Ion	Ratio	Lower	Upper
45	100		
43	64.8	44.5	66.7
87	27.8	22.2	33.2
59	12.4	9.5	14.3





#23

Vinyl Acetate

Concen: 21.52 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 303684

Ion Ratio Lower Upper

43 100

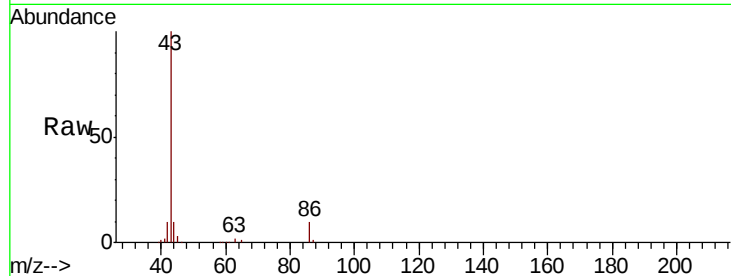
86 9.7 8.4 12.6

Manual Integrations

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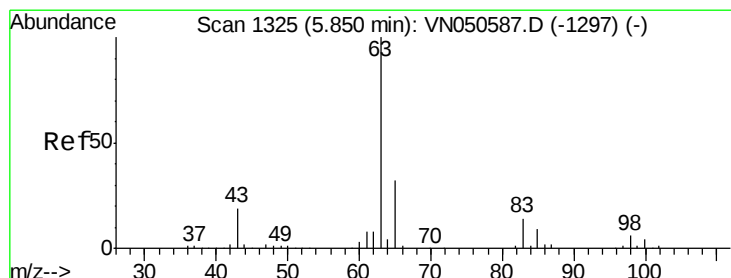
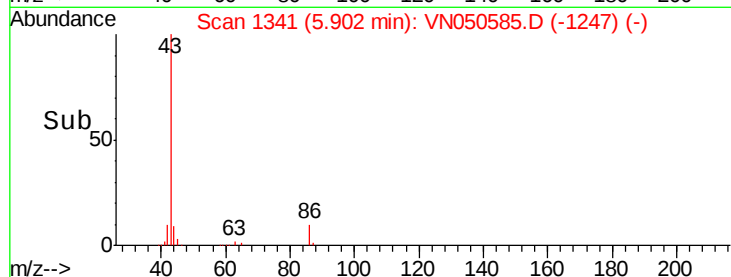
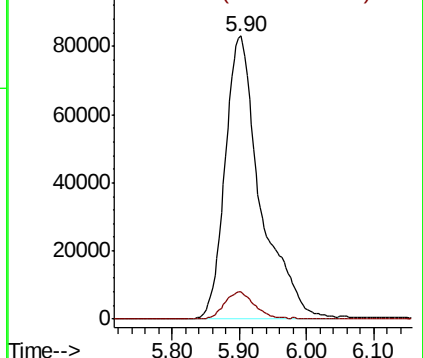
MMDadoda

8/15/2018 3:20:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 5.49 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

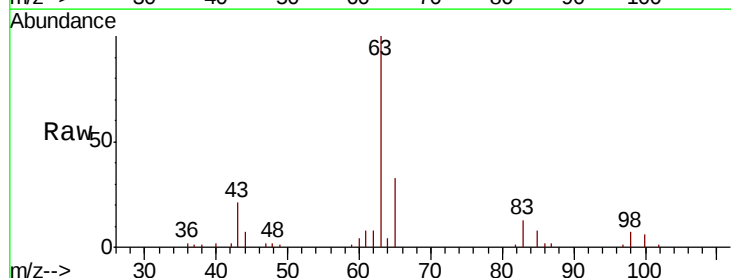
Tgt Ion: 63 Resp: 67886

Ion Ratio Lower Upper

63 100

98 7.4 3.2 9.6

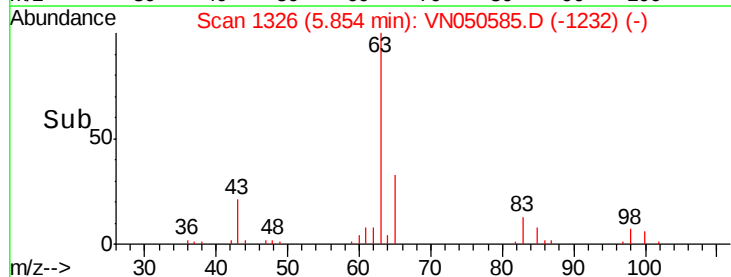
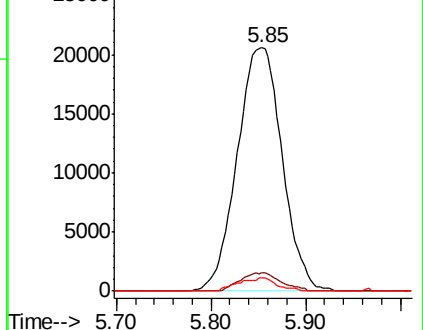
100 5.6 2.1 6.5

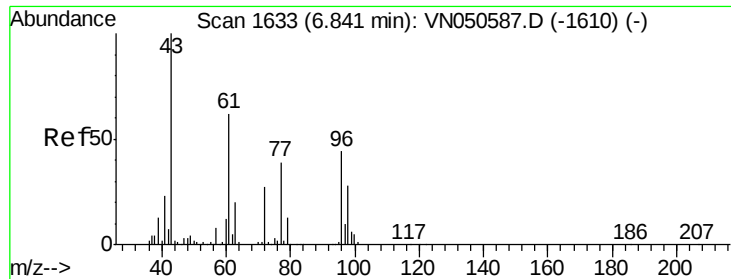


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 20.83 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 75337

Ion Ratio Lower Upper

43 100

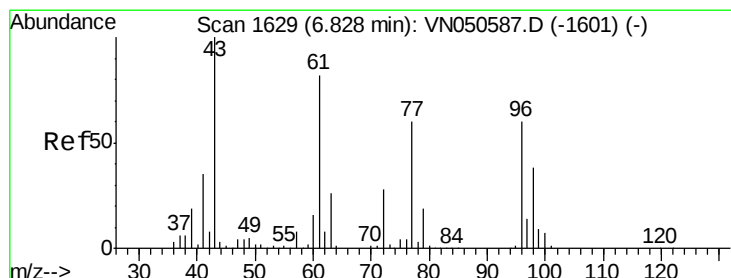
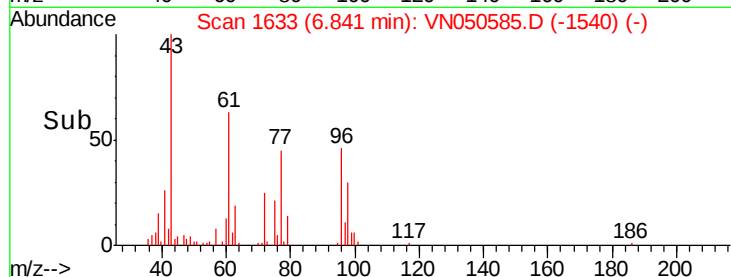
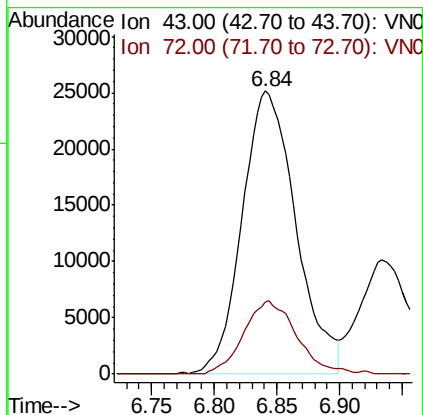
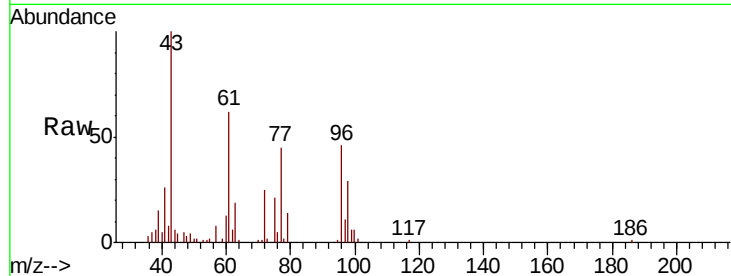
72 25.3 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.47 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050585.D

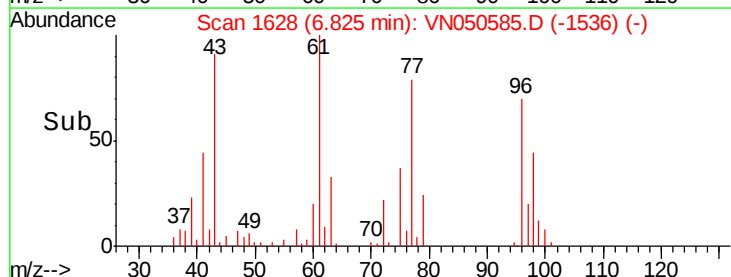
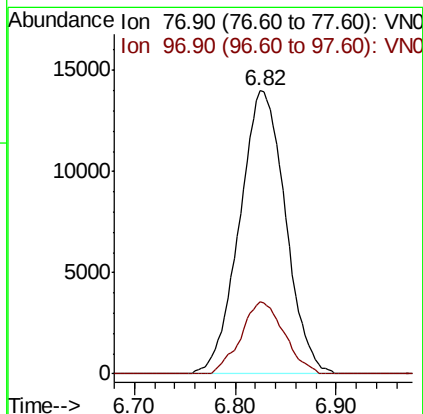
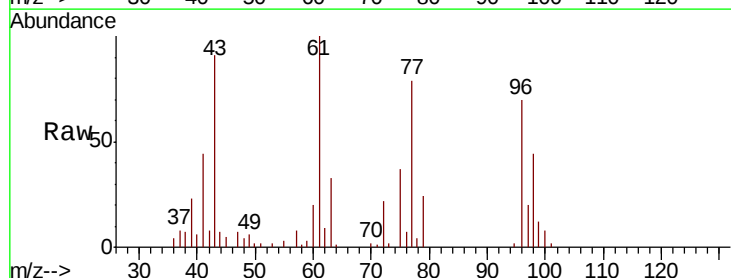
Acq: 14 Aug 2018 00:11

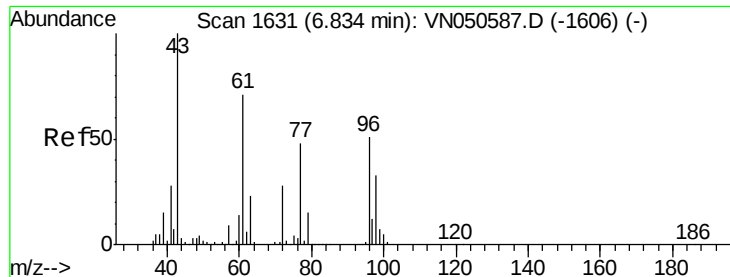
Tgt Ion: 77 Resp: 44204

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 5.17 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

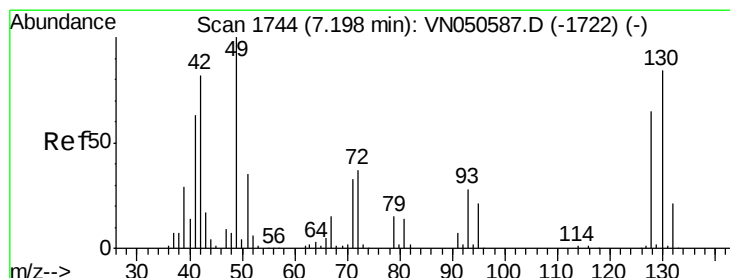
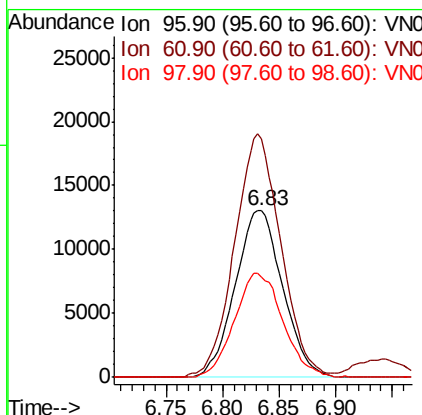
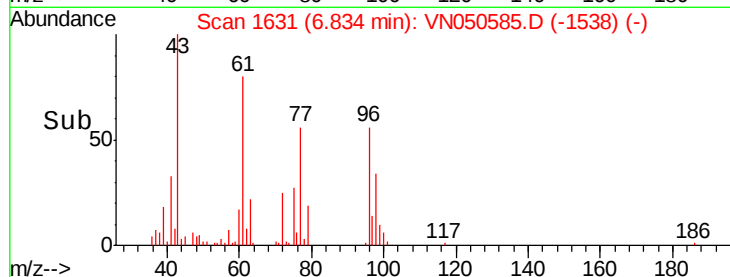
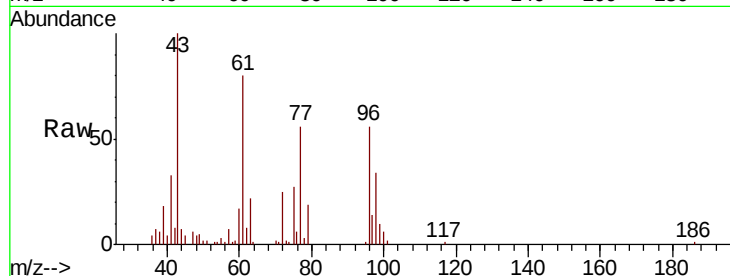
ClientSampled :

VSTDIC005

Tot Ion:	96	Resp:	38030
Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	278.2
98	63.7	0.0	128.8

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#28

Bromochloromethane

Concen: 5.22 ug/l

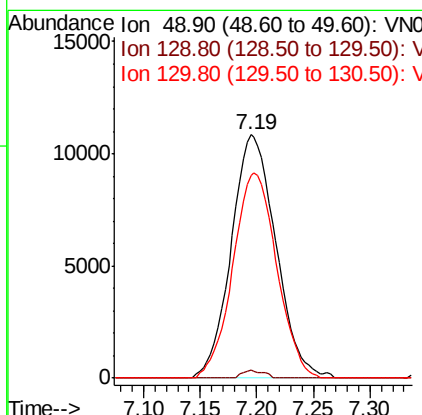
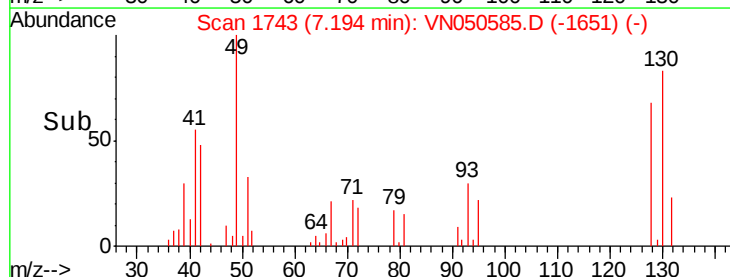
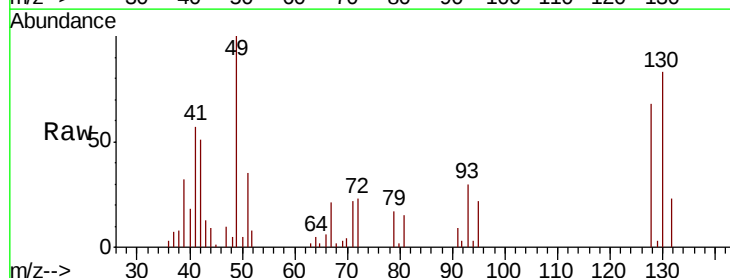
RT: 7.19 min Scan# 1743

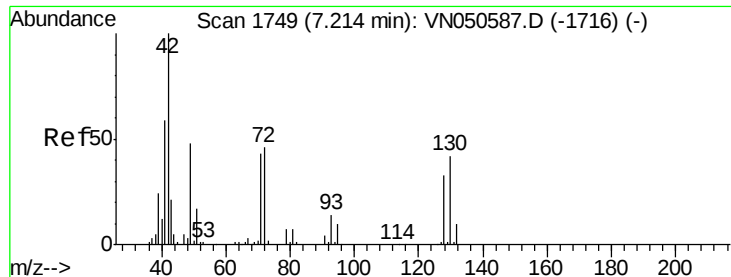
Delta R.T. -0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Tgt Ion:	49	Resp:	29728
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.2
130	82.8	66.8	100.2





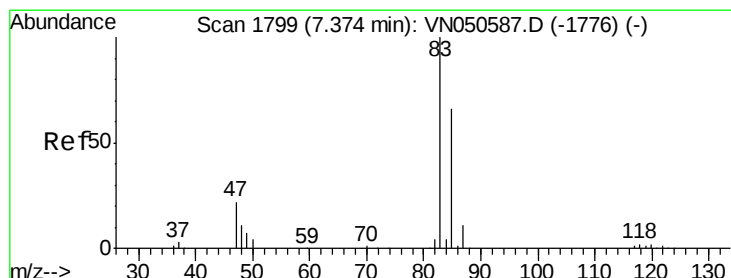
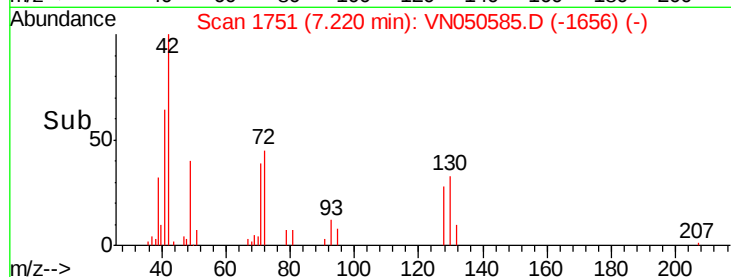
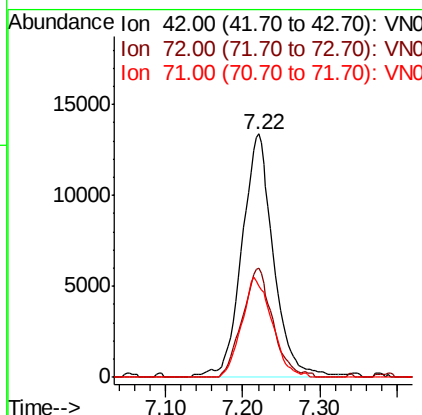
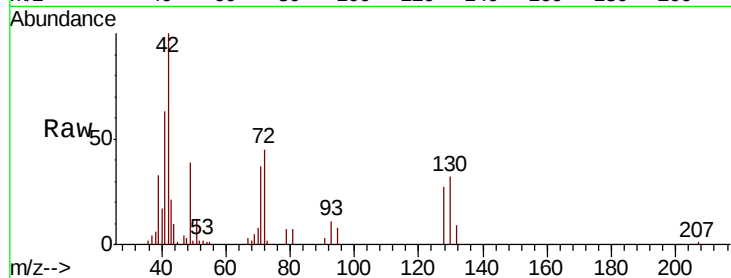
#29
Tetrahydrofuran
Concen: 19.63 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	35.8	53.6
71	39.1	33.4	50.0

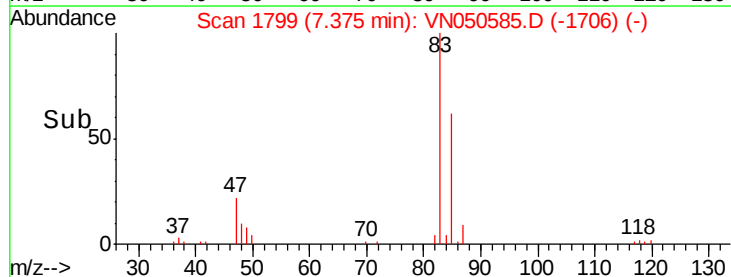
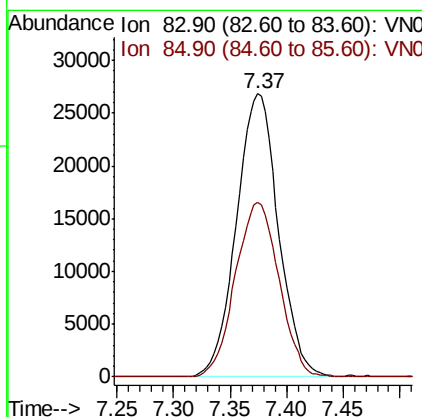
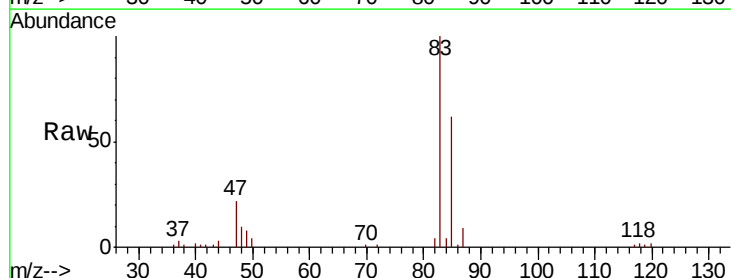
Manual Integrations
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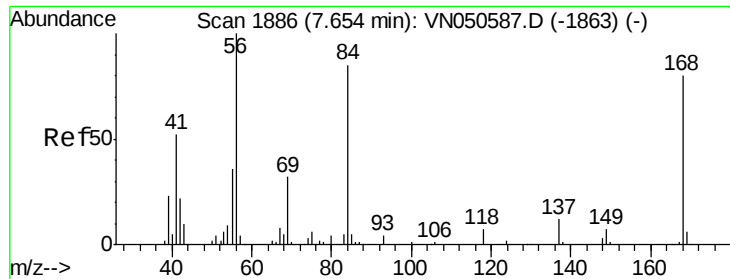
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#30
Chloroform
Concen: 5.60 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.5	78.7





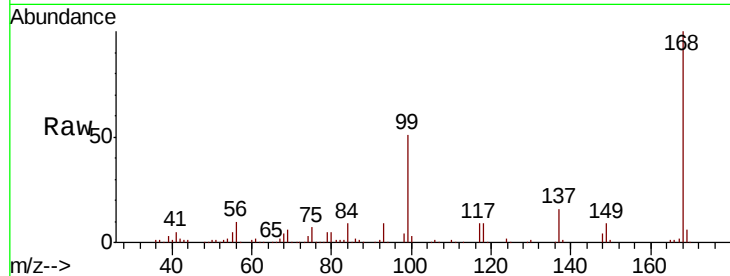
#31
Cyclohexane
Concen: 4.67 ug/l
RT: 7.66 min Scan# 1888
Delta R.T. 0.01 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

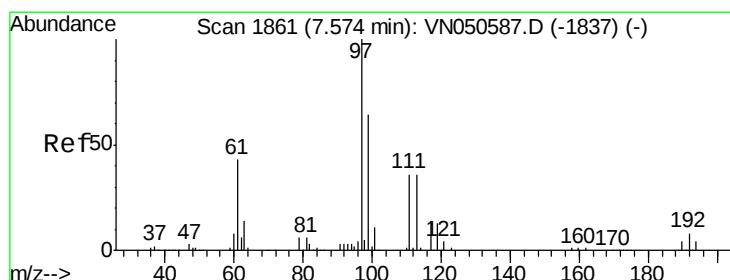
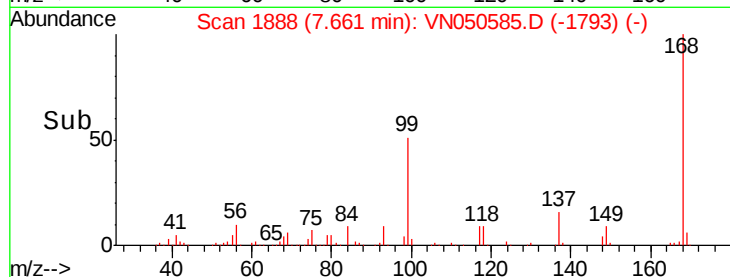
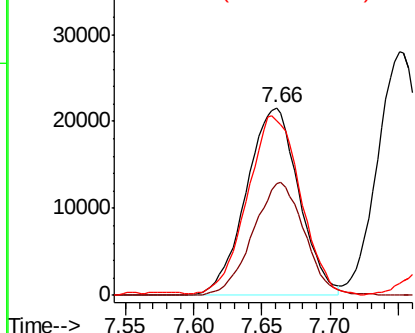
Tot Ion	Ratio	Lower	Upper
56	100		
69	59.6	25.8	38.6#
84	92.4	67.8	101.6

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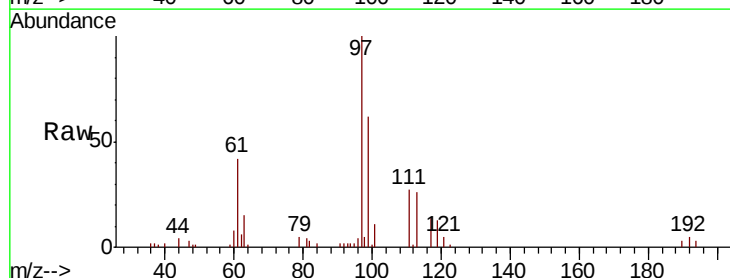


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

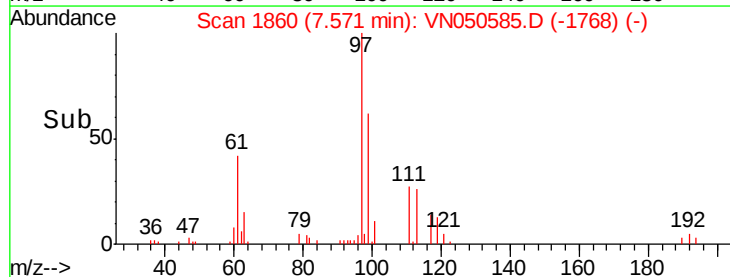
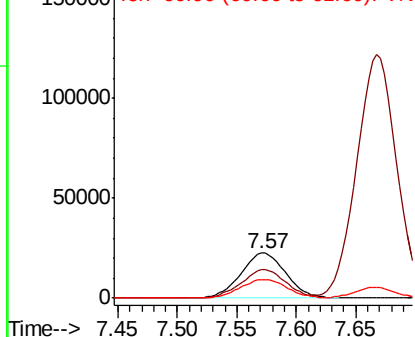


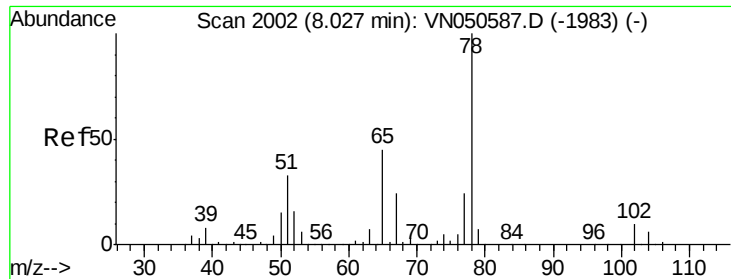
#32
1,1,1-Trichloroethane
Concen: 5.57 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.1	76.7
61	42.9	34.8	52.2



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





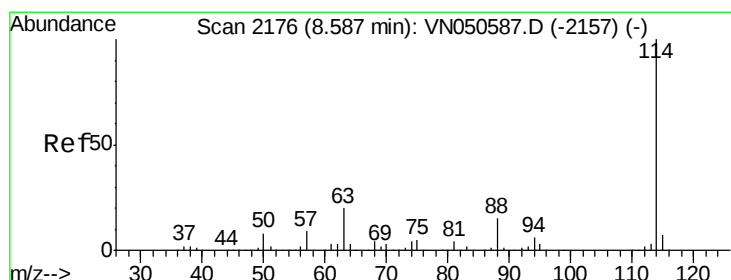
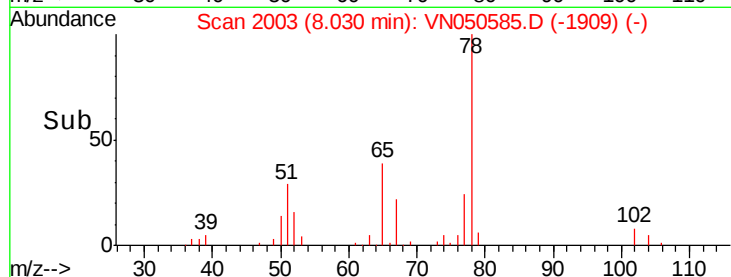
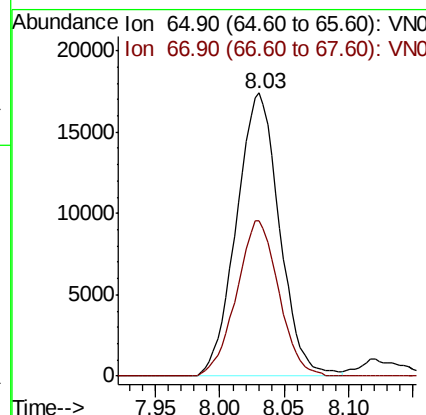
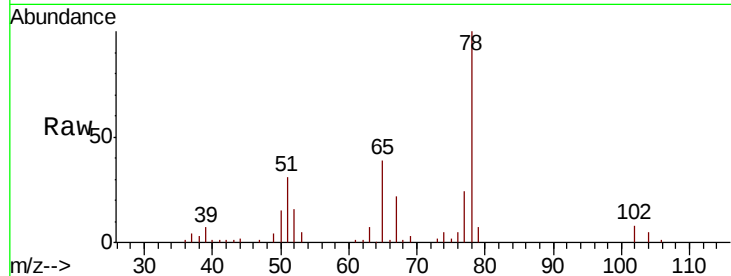
#33
 1,2-Dichloroethane-d4
 Concen: 5.35 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 40386
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.8

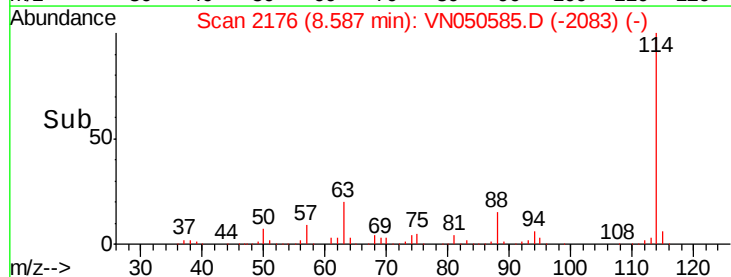
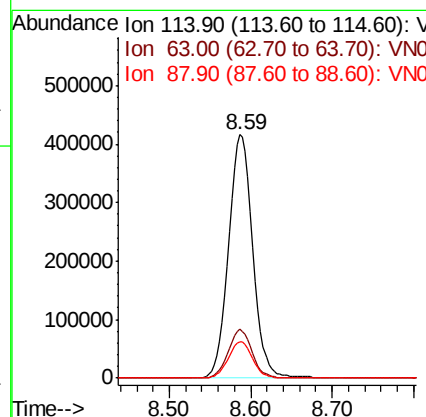
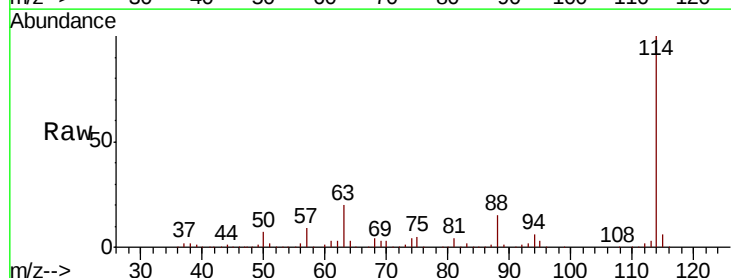
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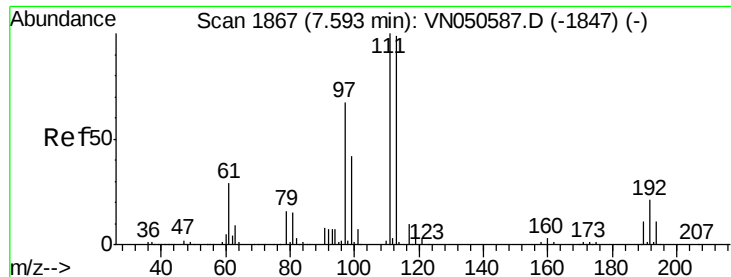
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion: 114 Resp: 873040
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 14.9 0.0 30.8





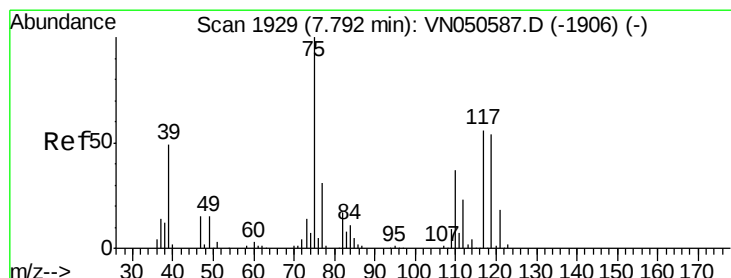
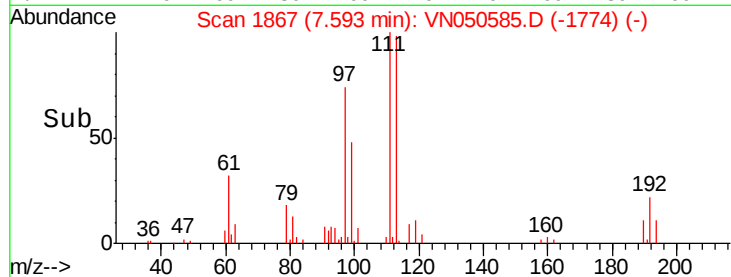
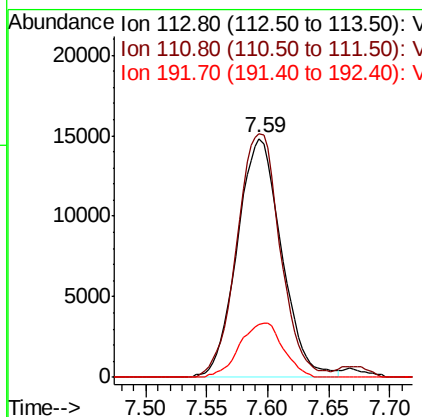
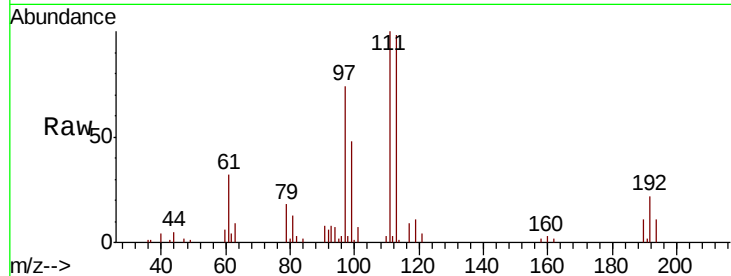
#35
Dibromofluoromethane
Concen: 5.32 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.0	121.6
192	22.3	17.6	26.4

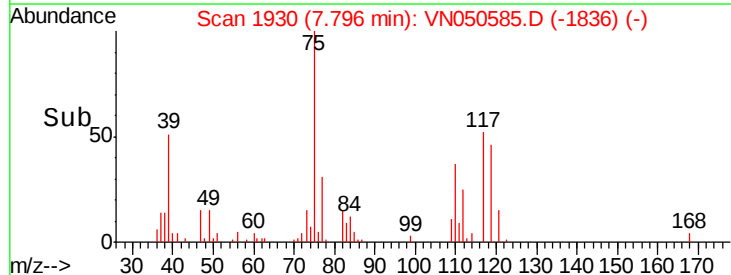
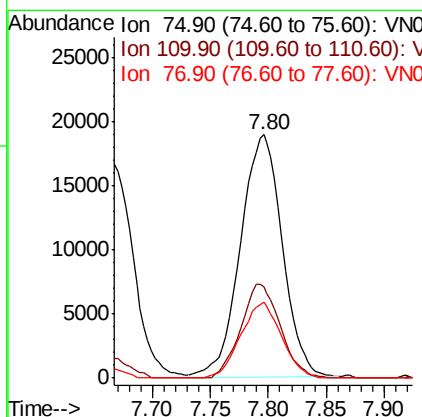
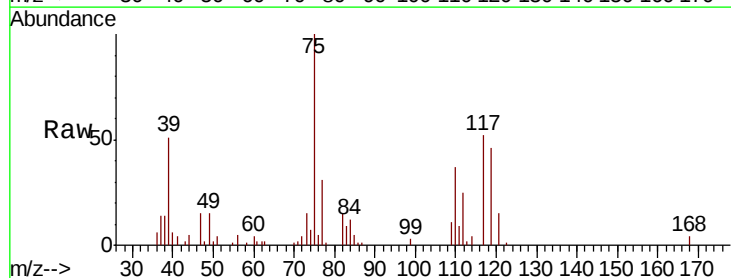
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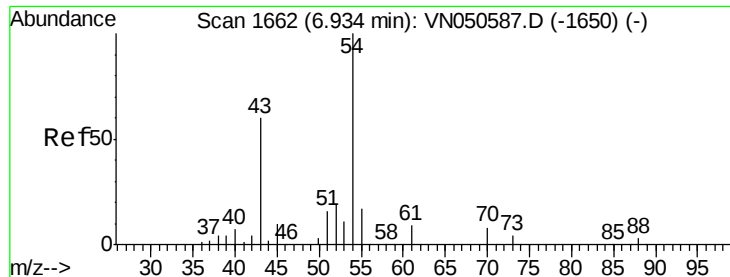
MMDadoda
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#36
1,1-Dichloropropene
Concen: 4.93 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.3	54.9
77	30.6	25.0	37.4





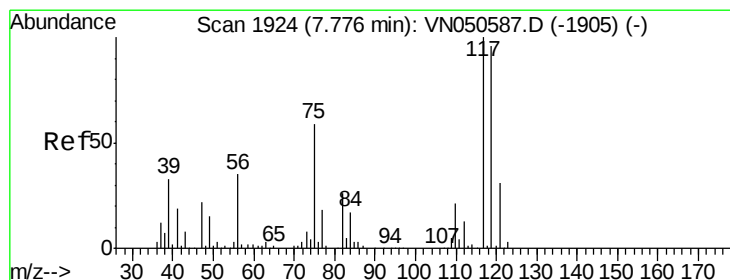
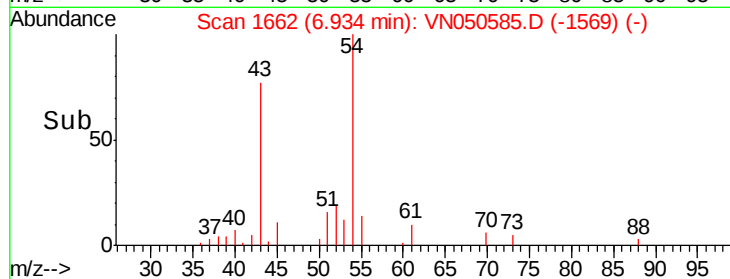
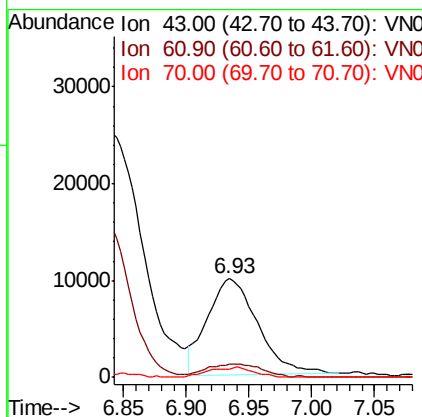
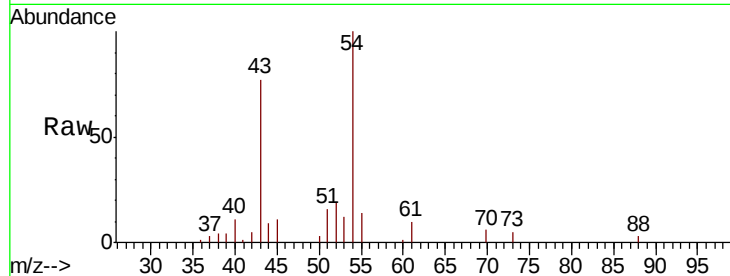
#37
Ethyl Acetate
Concen: 4.22 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.0	18.0
70	4.6	8.5	12.7

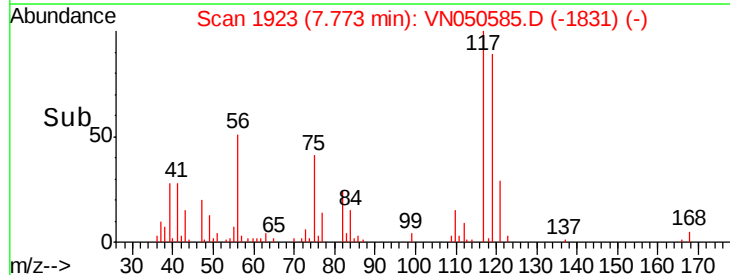
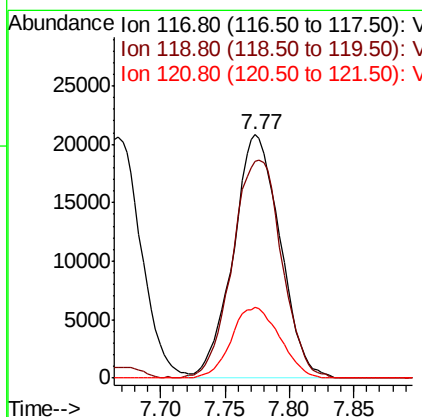
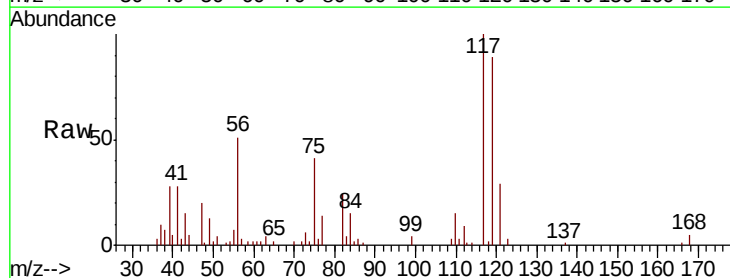
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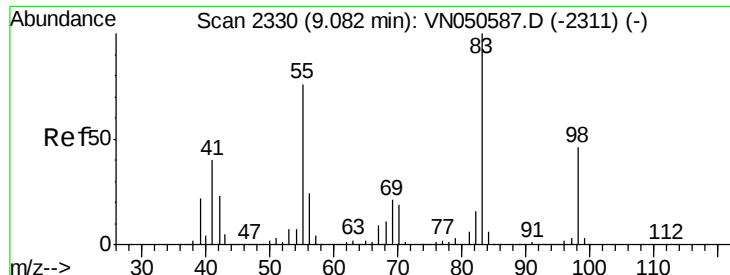
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#38
Carbon Tetrachloride
Concen: 5.28 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.1	76.6	115.0
121	29.1	25.0	37.6





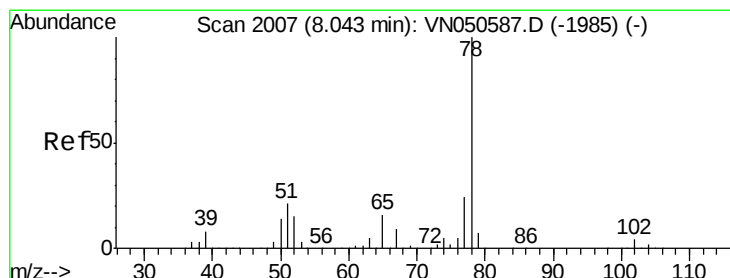
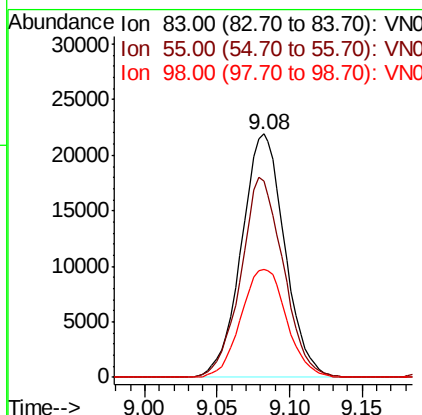
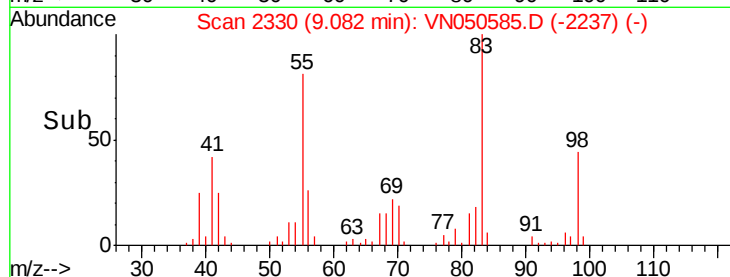
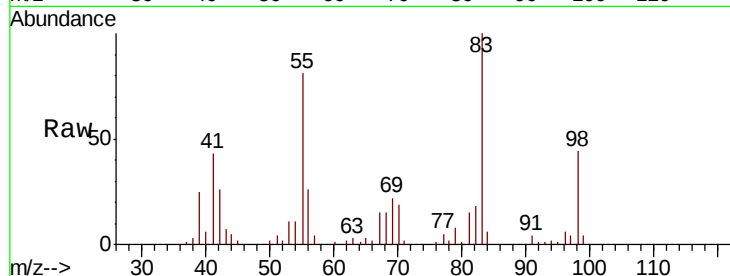
#39
Methylvlcyclohexane
Concen: 4.34 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	60.6	91.0
98	44.3	37.0	55.4

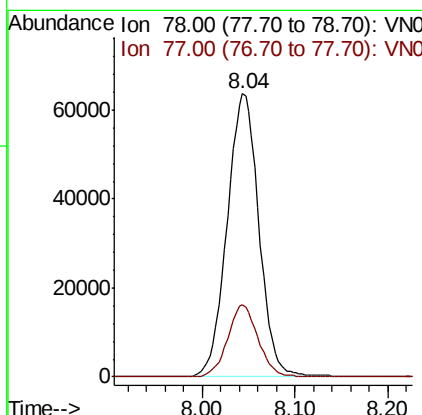
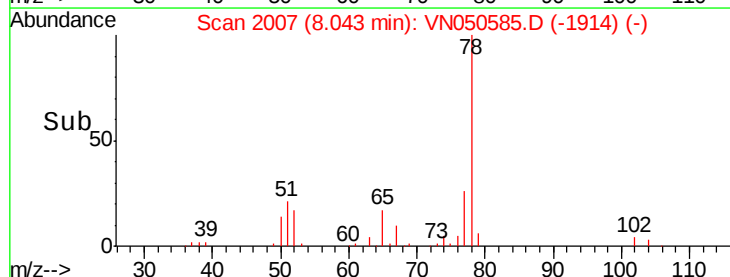
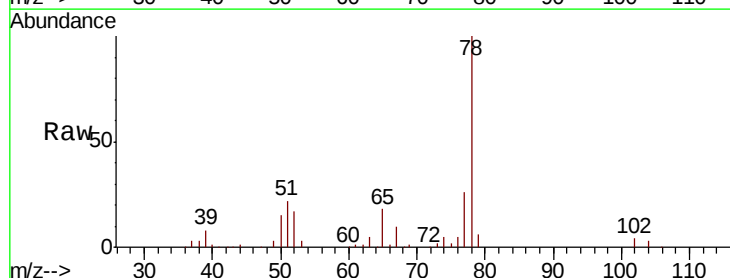
Manual Integrations
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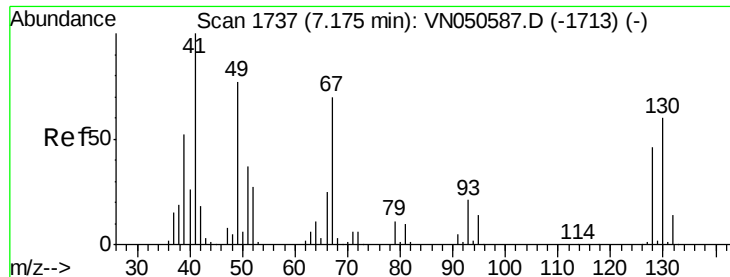
MMDadoda
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#40
Benzene
Concen: 5.14 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.0	28.6





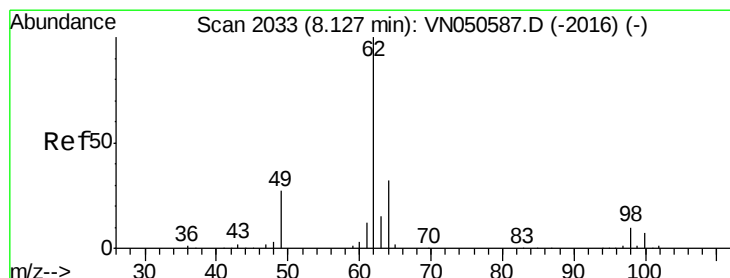
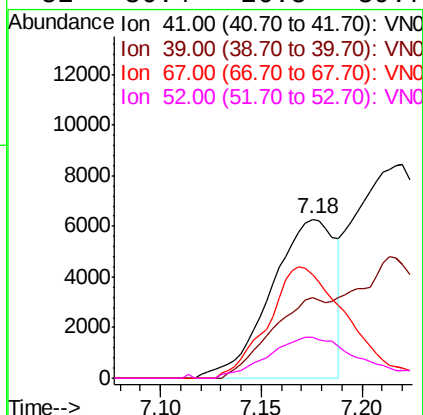
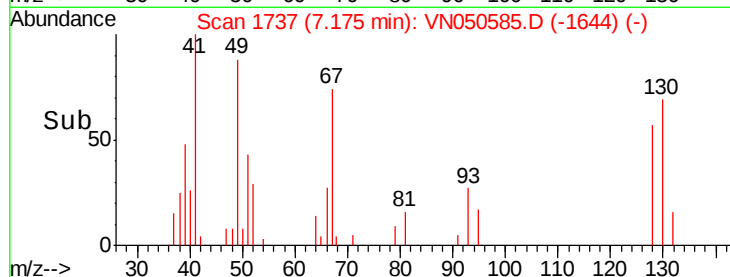
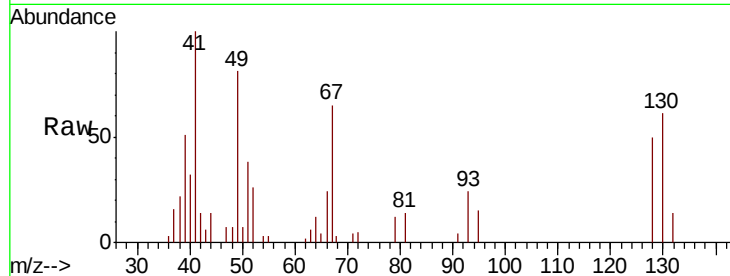
#41
Methacrylonitrile
Concen: 3.88 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	13875
Ion	Ratio	Lower	Upper
41	100		
39	42.2	44.6	66.8#
67	86.5	66.7	100.1
52	36.4	26.5	39.7

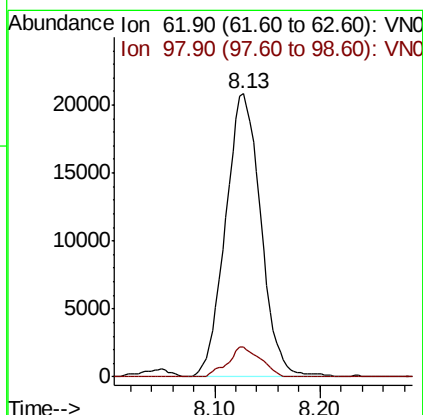
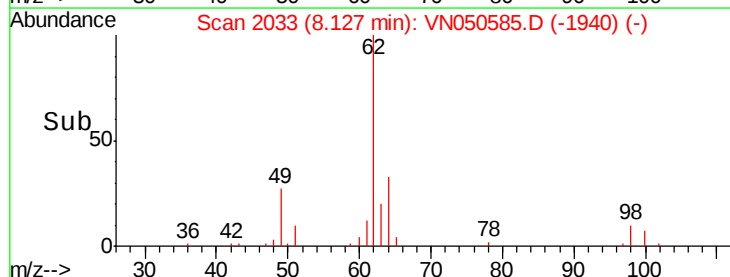
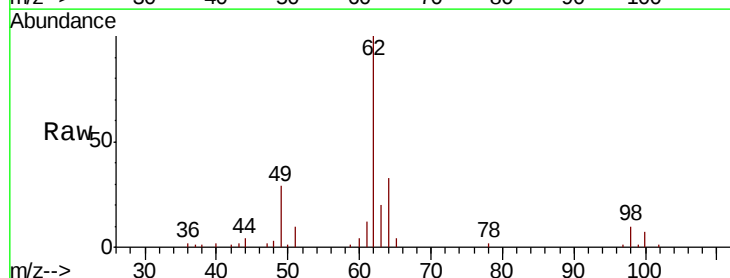
Manual Integrations
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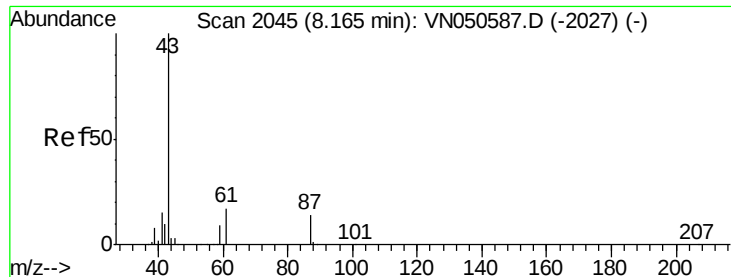
MMDadoda
8/15/2018 3:20:57 PM



#42
1,2-Dichloroethane
Concen: 5.21 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion:	62	Resp:	48318
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





#43

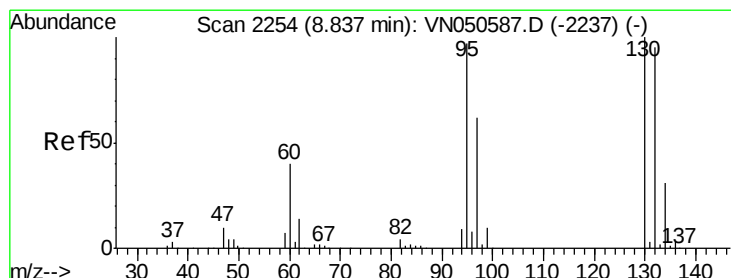
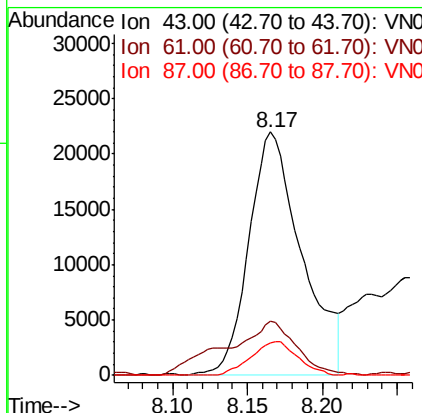
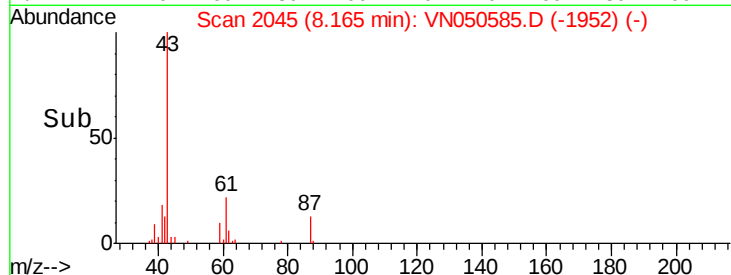
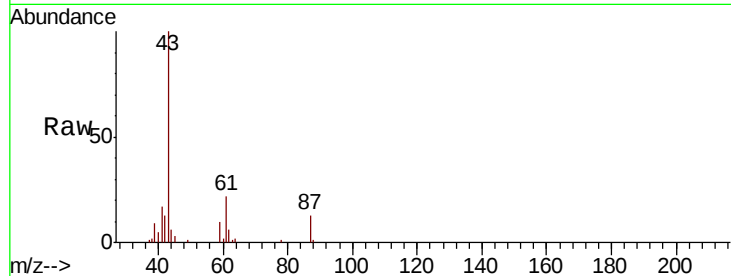
Isopropyl Acetate
 Concen: 4.65 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	16.2	24.2
87	12.2	10.9	16.3

Manual Integrations
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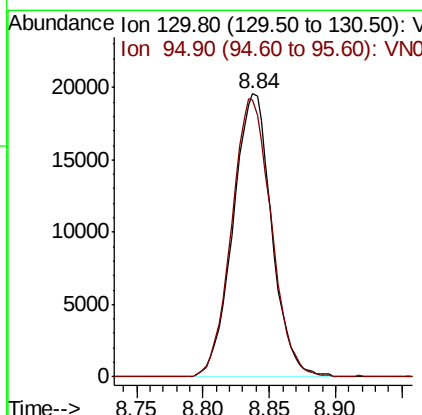
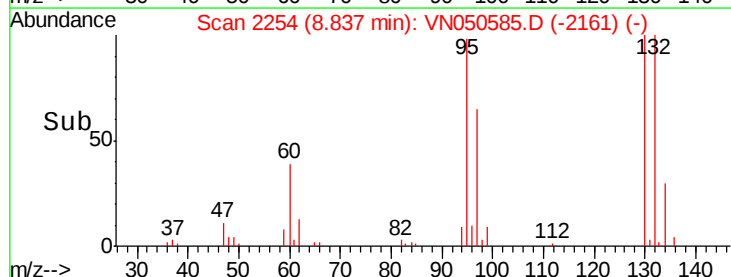
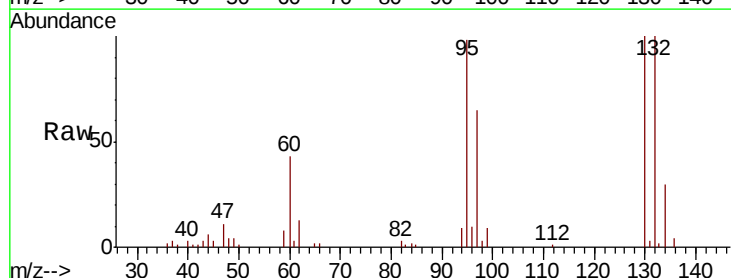
MMDadoda
 8/15/2018 3:20:57 PM

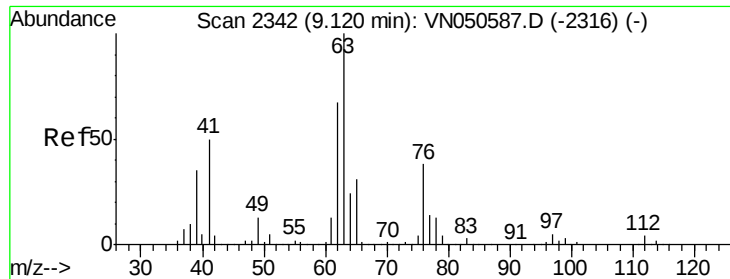


#44

Trichloroethene
 Concen: 5.00 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	193.8





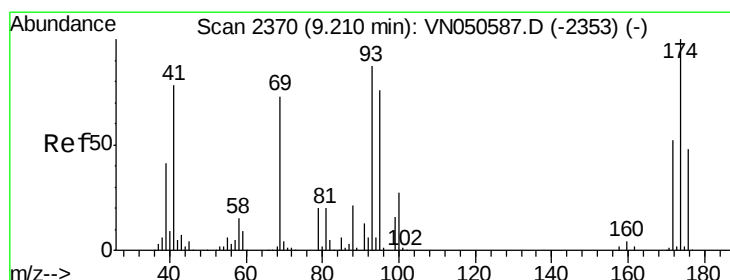
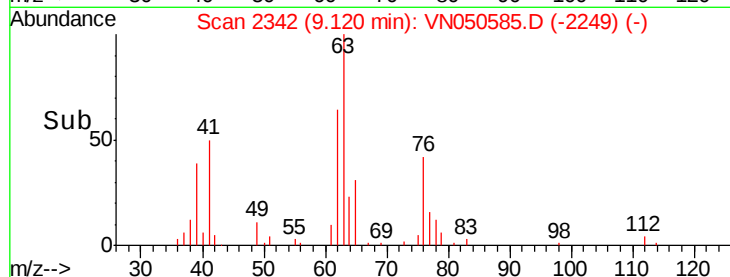
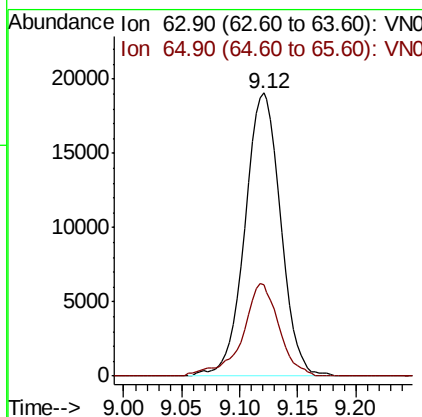
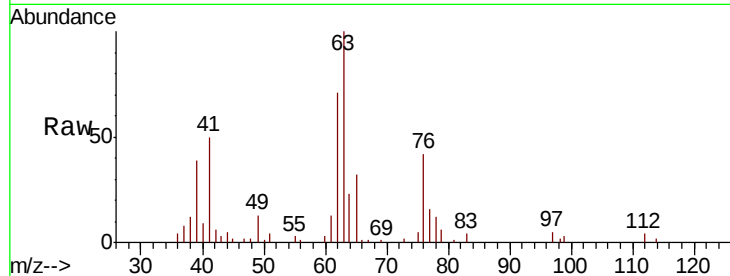
#45
 1,2-Dichloropropane
 Concen: 5.29 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 40974
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.5 36.7

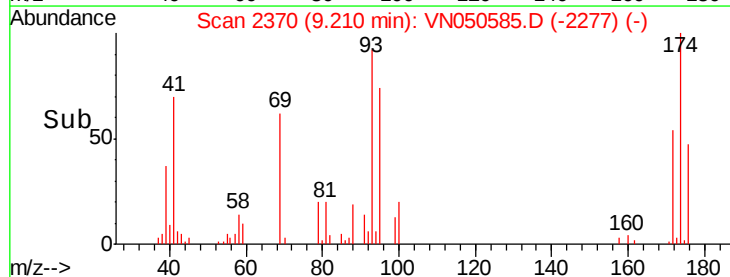
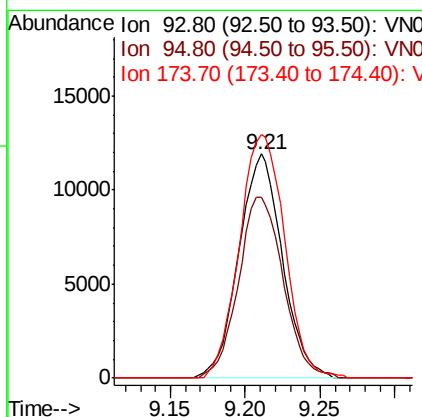
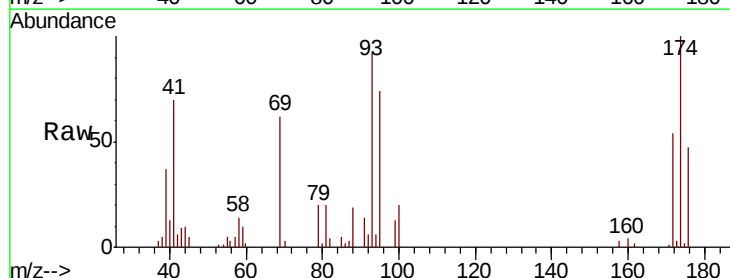
Manual Integrations
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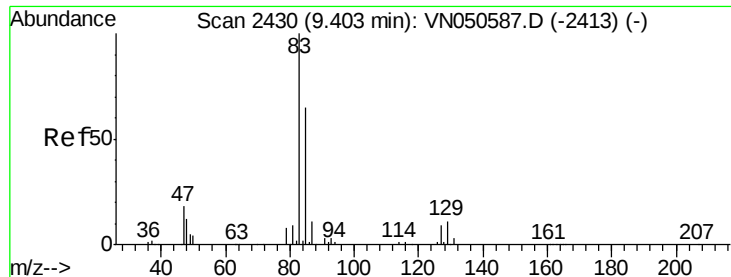
MMDadoda
 8/15/2018 3:20:57 PM



#46
 Dibromomethane
 Concen: 5.11 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion: 93 Resp: 24196
 Ion Ratio Lower Upper
 93 100
 95 82.8 69.1 103.7
 174 112.7 91.0 136.6





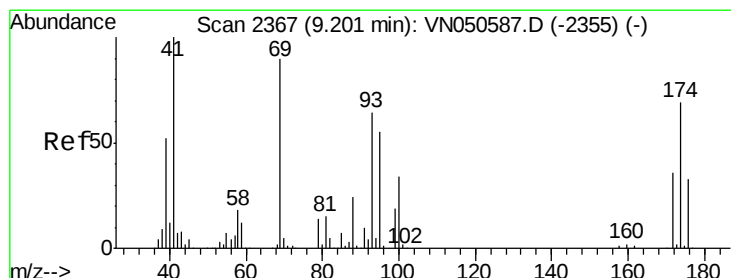
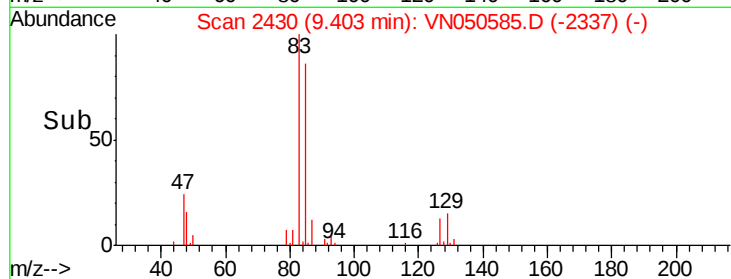
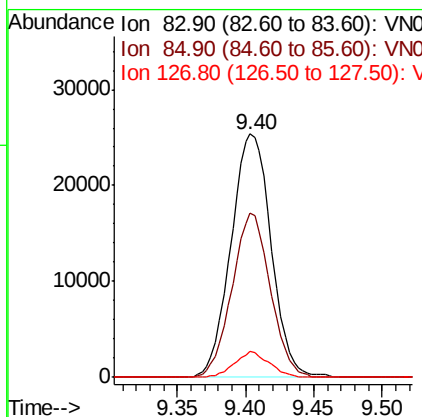
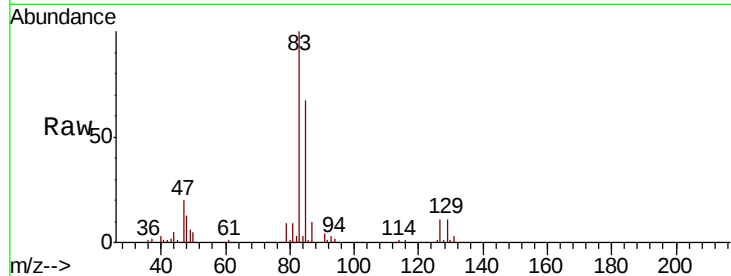
#47
Bromodichloromethane
Concen: 5.23 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	51826
Ion Ratio	100	Lower	Upper
83	100		
85	67.3	51.8	77.6
127	10.5	7.2	10.8

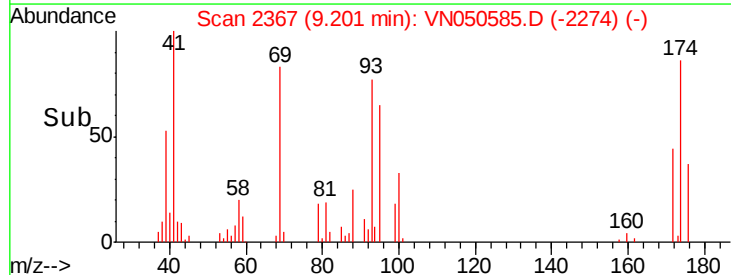
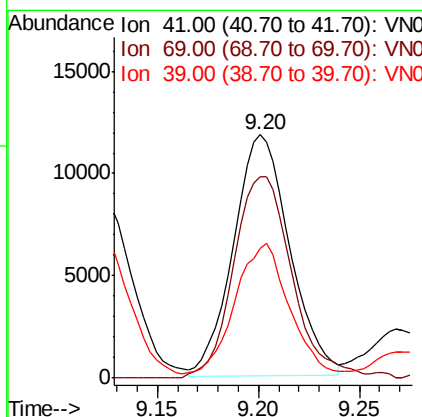
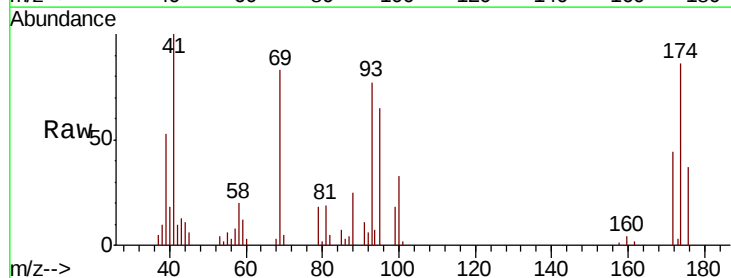
Manual Integrations
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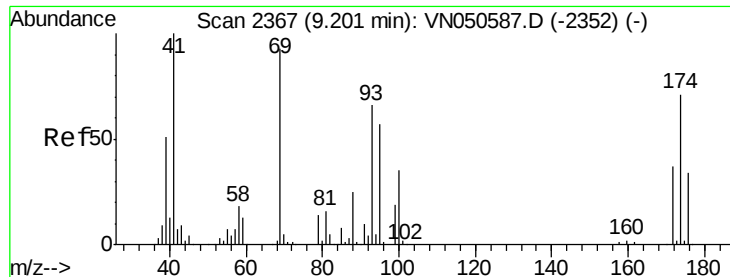
MMDadoda
8/15/2018 3:20:57 PM



#48
Methyl methacrylate
Concen: 4.00 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	41	Resp	23102
Ion Ratio	100	Lower	Upper
41	100		
69	86.3	73.4	110.0
39	55.4	43.0	64.6





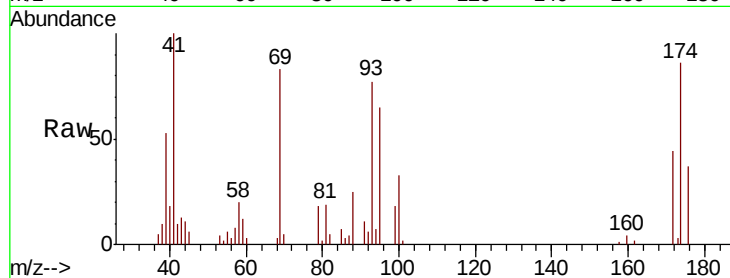
#49
 1,4-Dioxane
 Concen: 68.19 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.9	38.9
58	80.2	56.5	84.7

Manual Integrations
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MMDadoda
 8/15/2018 3:20:57 PM

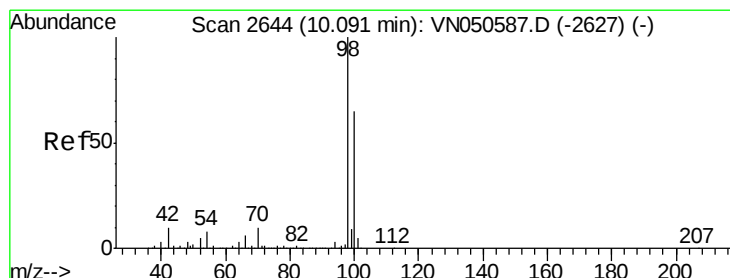
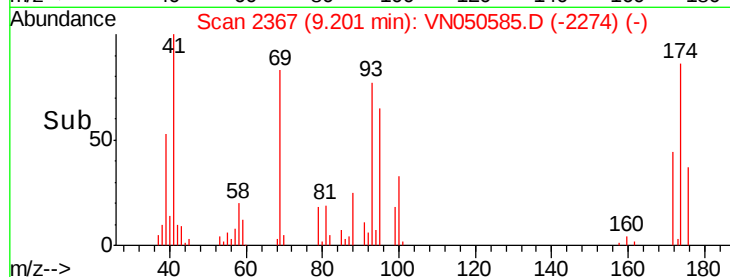
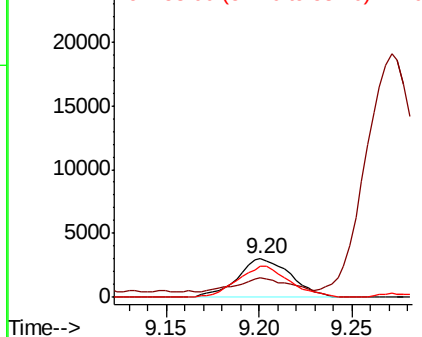


Abundance

Ion 88.00 (87.70 to 88.70): VN0

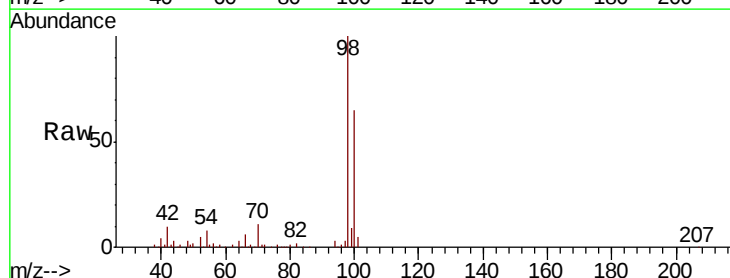
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
 Toluene-d8
 Concen: 4.94 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

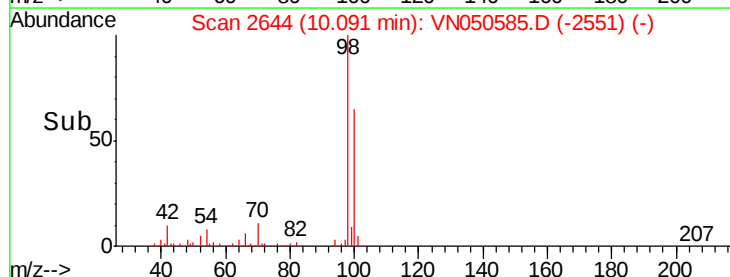
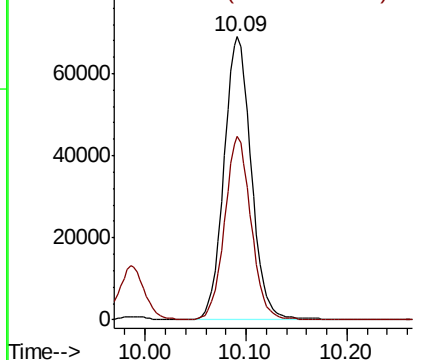
Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	51.8	77.8

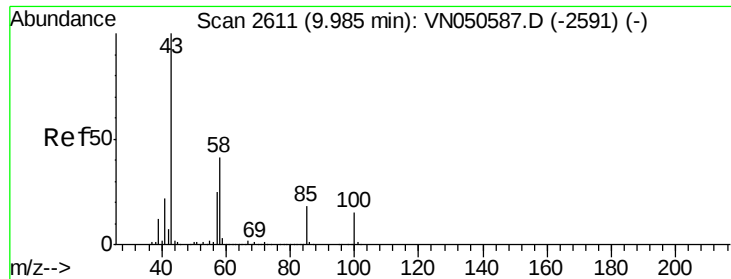


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





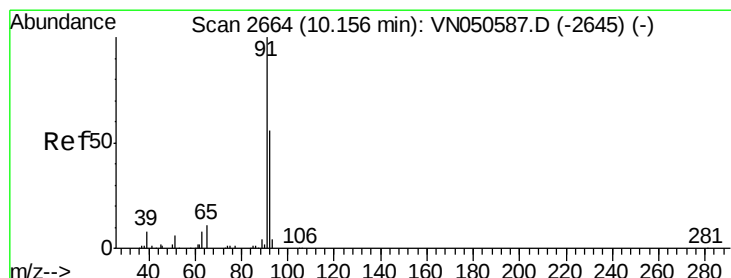
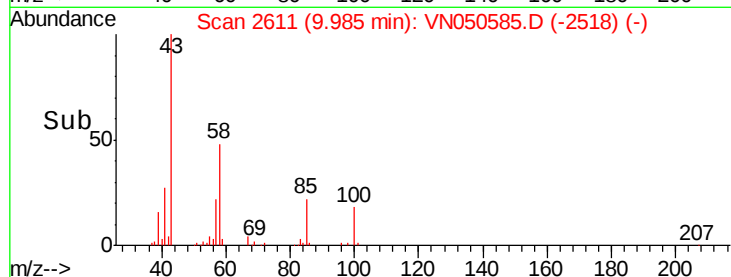
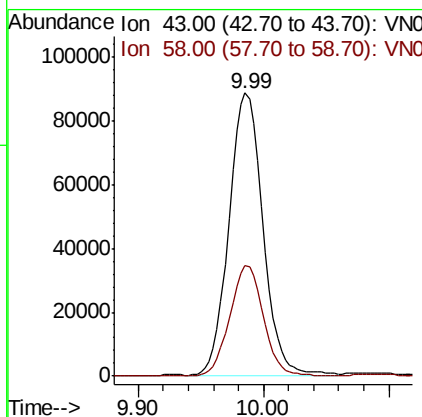
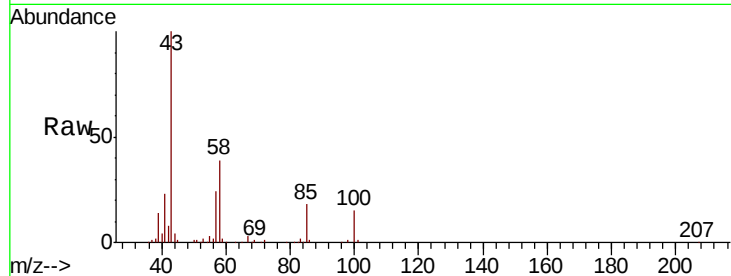
#51
4-Methyl-2-Pentanone
Concen: 20.05 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	32.5	48.7

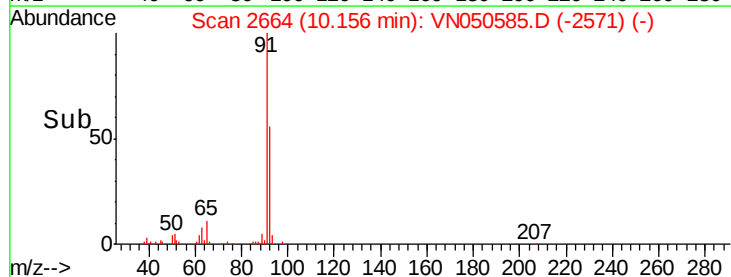
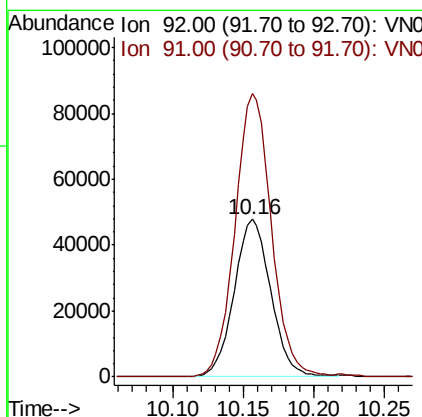
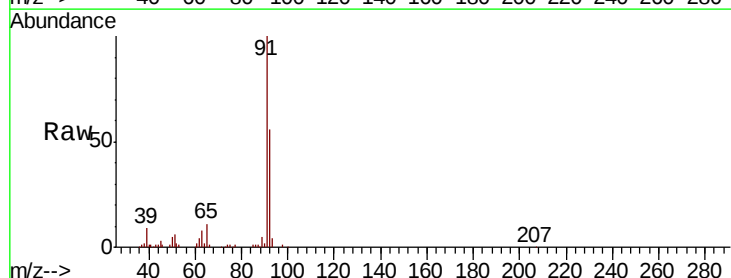
Manual Integrations
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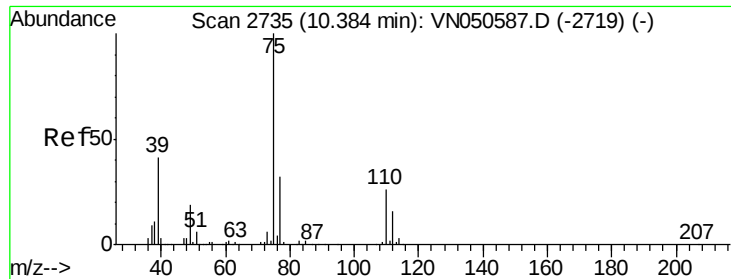
MMDadoda
8/15/2018 3:20:57 PM



#52
Toluene
Concen: 4.94 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.8	141.9	212.9





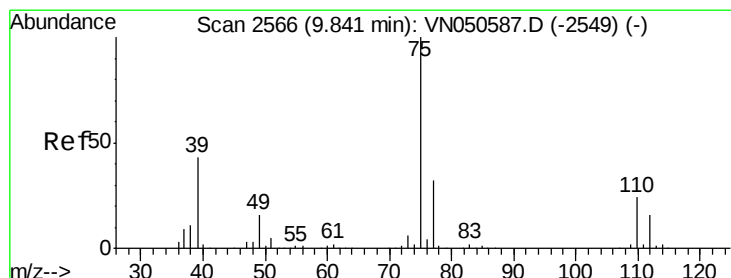
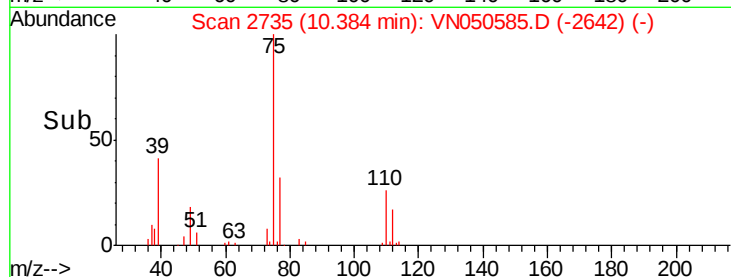
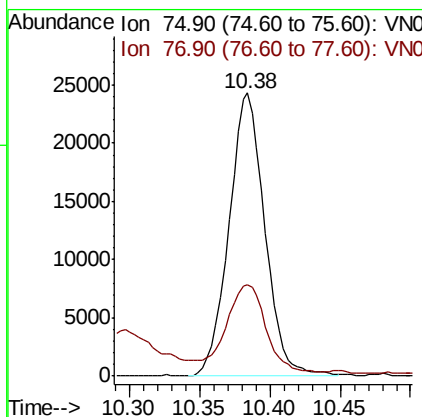
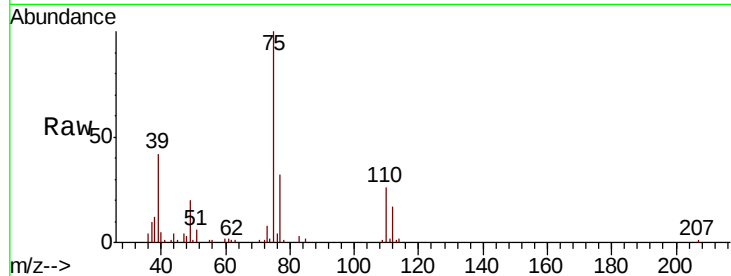
#53
t-1,3-Dichloropropene
Concen: 4.40 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.8	38.6

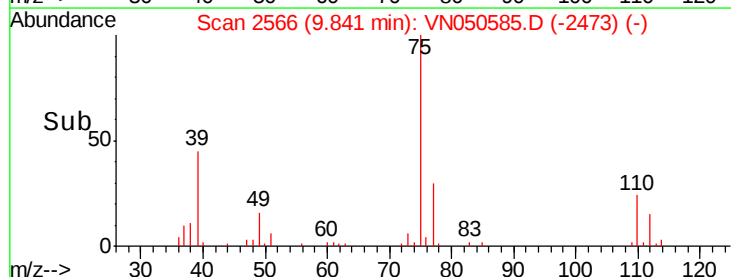
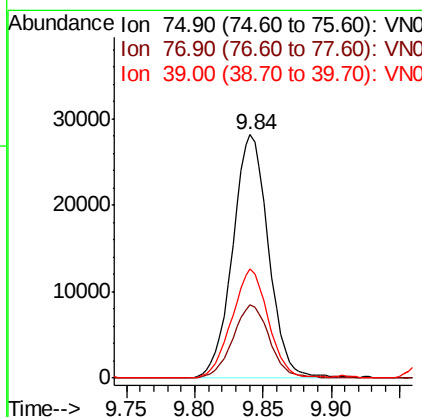
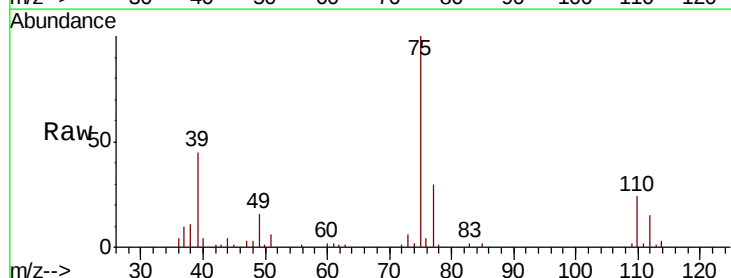
Manual Integrations
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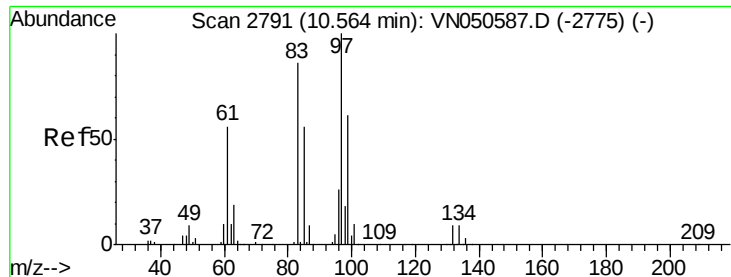
MMDadoda
8/15/2018 3:20:57 PM



#54
cis-1,3-Dichloropropene
Concen: 4.66 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.6	38.4
39	44.6	34.4	51.6





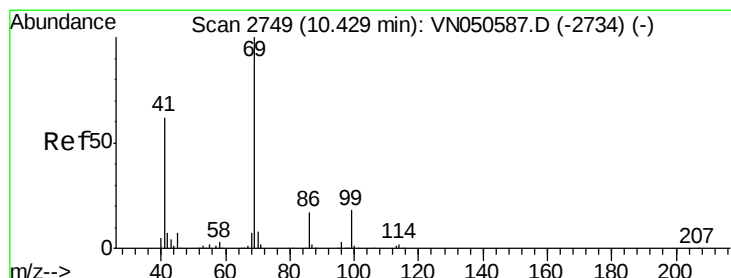
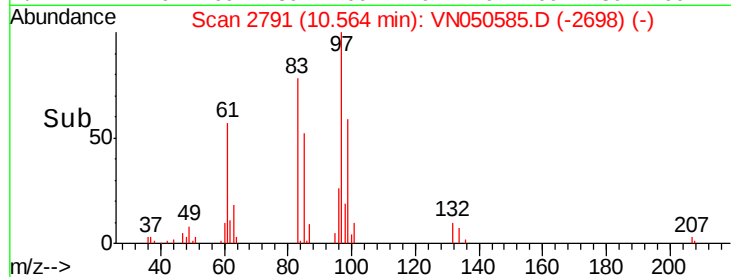
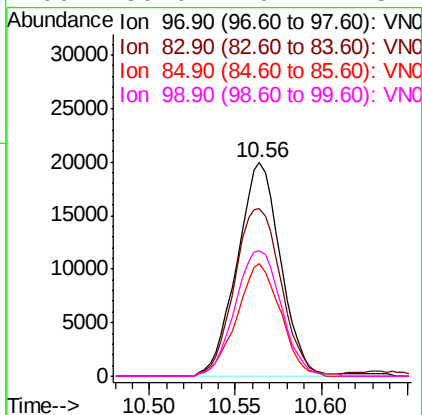
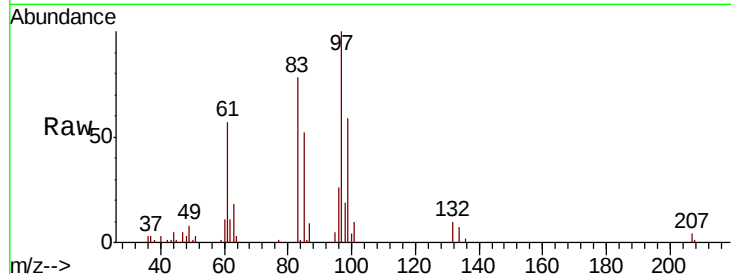
#55
 1,1,2-Trichloroethane
 Concen: 5.10 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	34942
Ion	Ratio	Lower	Upper
97	100		
83	78.3	68.5	102.7
85	52.5	44.6	66.8
99	59.0	49.1	73.7

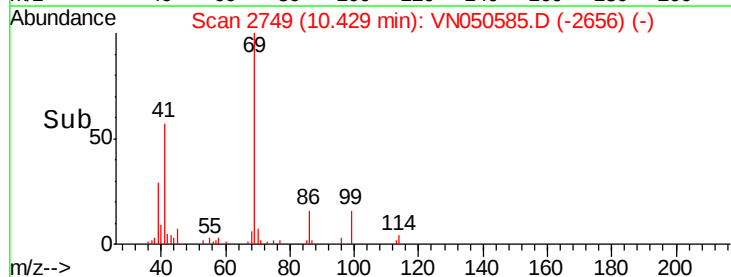
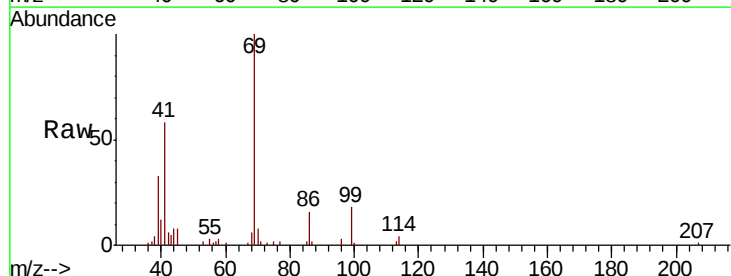
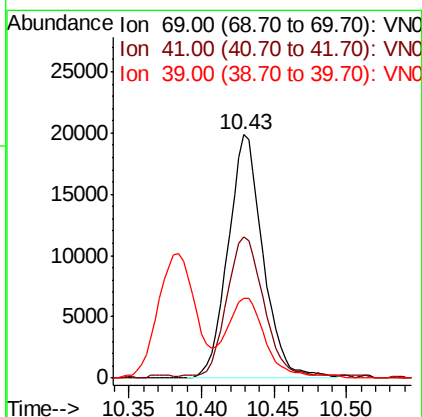
Manual Integrations
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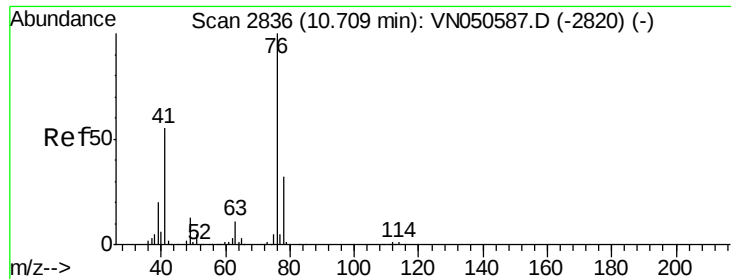
MMDadoda
 8/15/2018 3:20:57 PM



#56
 Ethyl methacrylate
 Concen: 3.91 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion:	69	Resp:	33345
Ion	Ratio	Lower	Upper
69	100		
41	59.5	49.7	74.5
39	32.7	24.2	36.2





#57

1,3-Dichloropropane

Concen: 4.92 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 55385

Ion Ratio Lower Upper

76 100

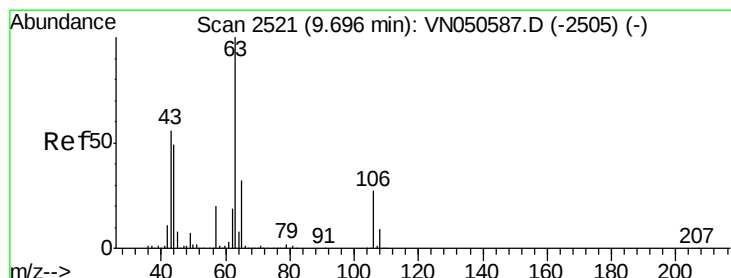
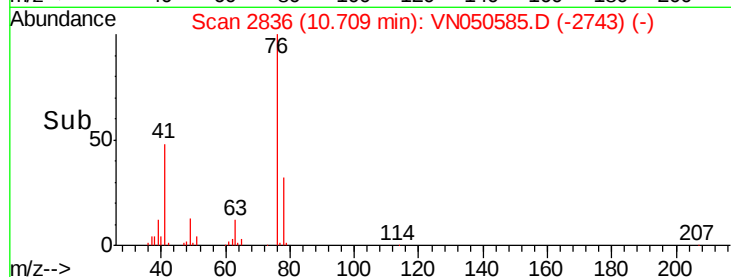
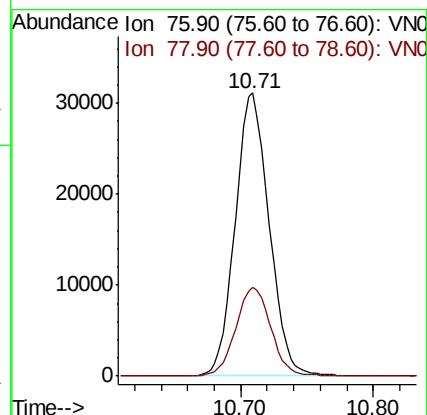
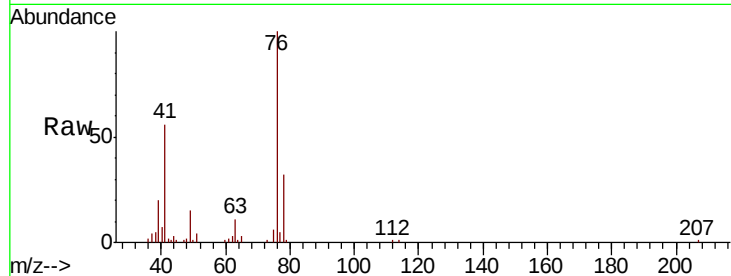
78 32.3 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 18.18 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050585.D

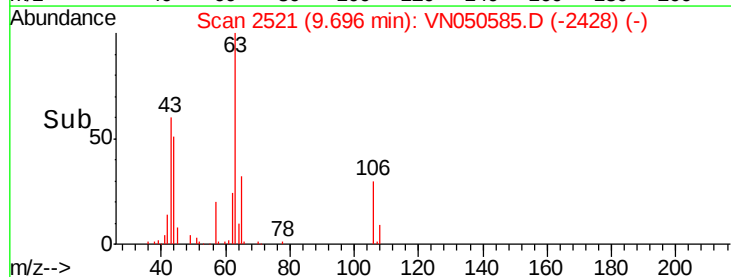
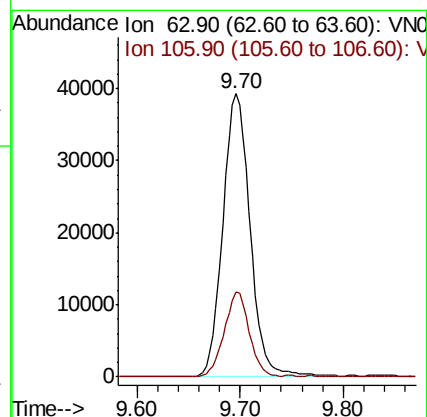
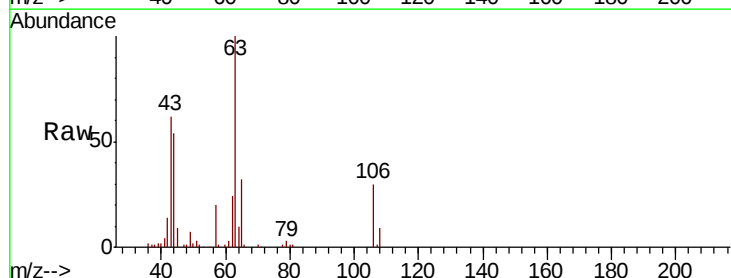
Acq: 14 Aug 2018 00:11

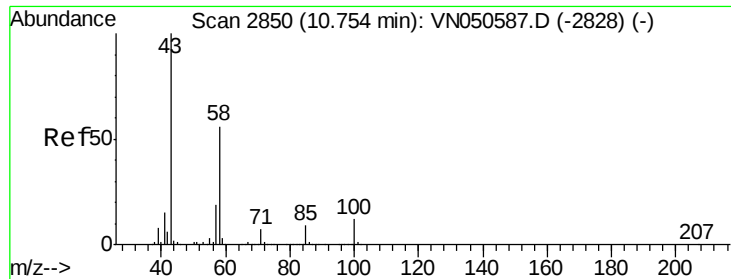
Tgt Ion: 63 Resp: 72350

Ion Ratio Lower Upper

63 100

106 27.5 21.7 32.5





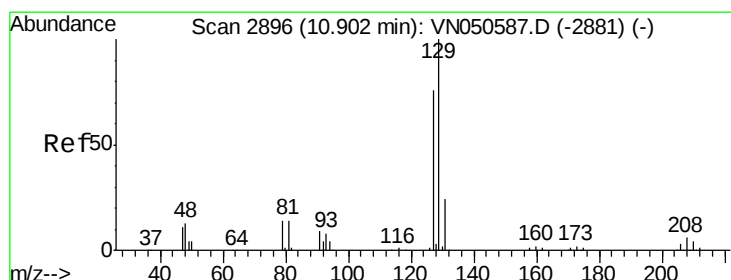
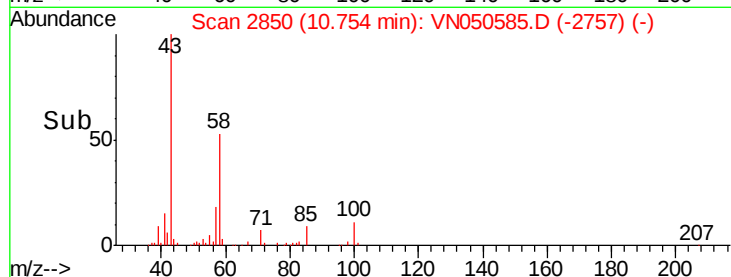
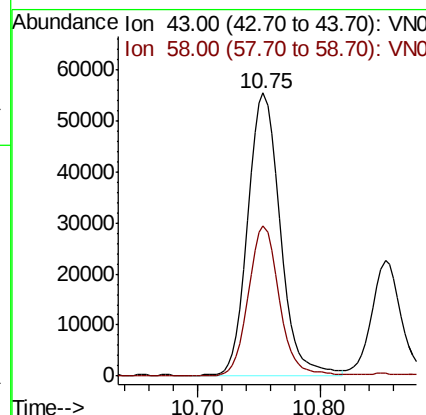
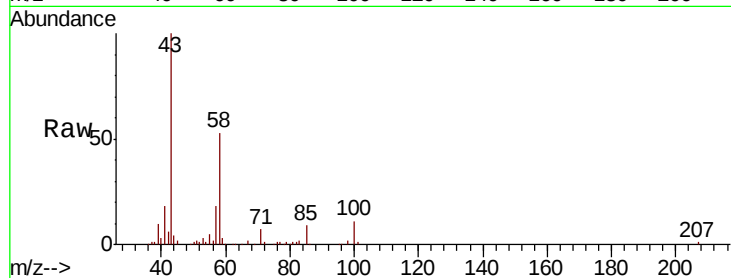
#59
2-Hexanone
Concen: 17.82 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 102073
Ion Ratio Lower Upper
43 100
58 50.2 28.0 84.0

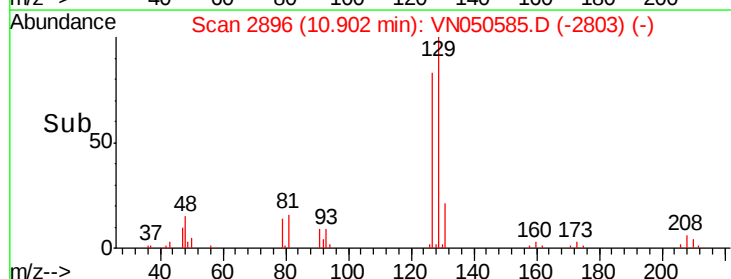
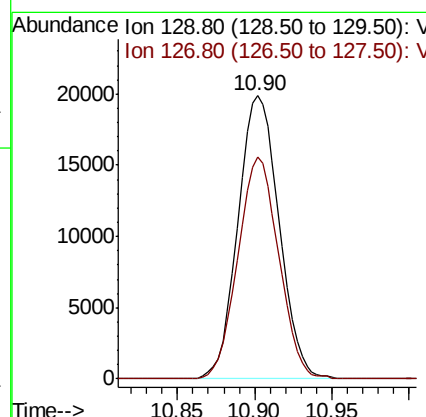
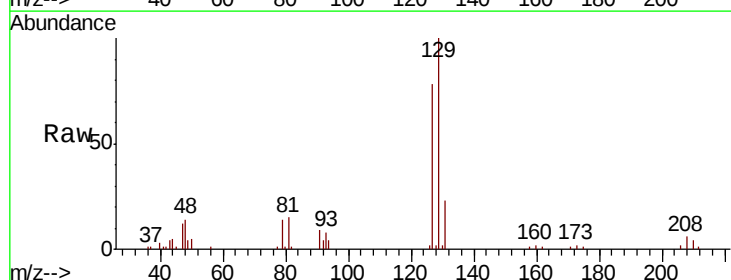
Manual Integrations
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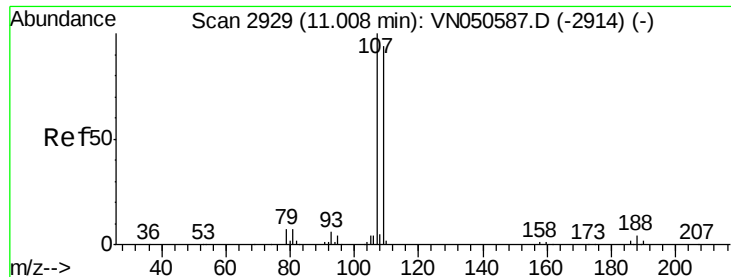
MMDadoda
8/15/2018 3:20:57 PM



#60
Dibromochloromethane
Concen: 4.86 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion: 129 Resp: 36675
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





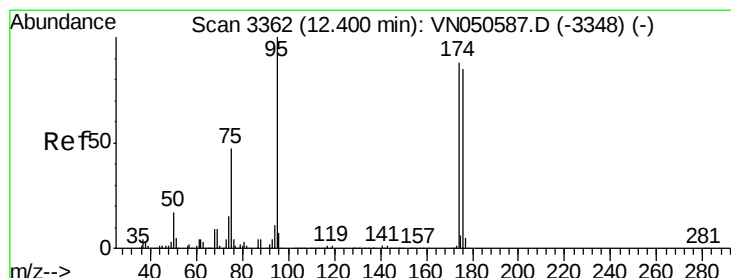
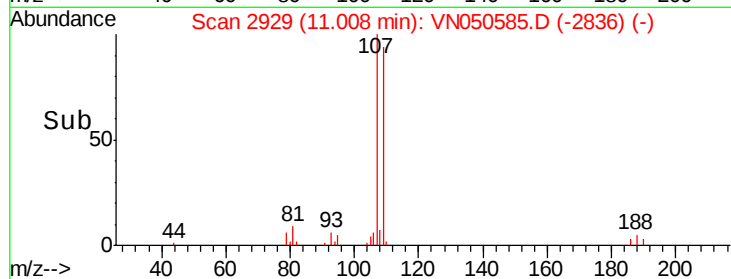
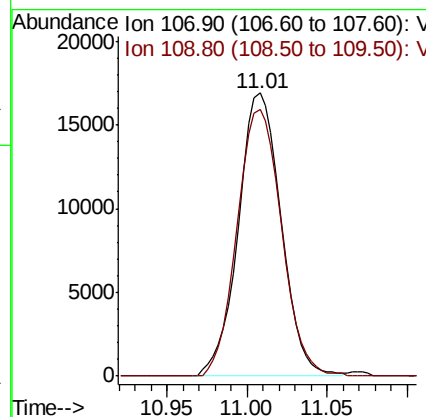
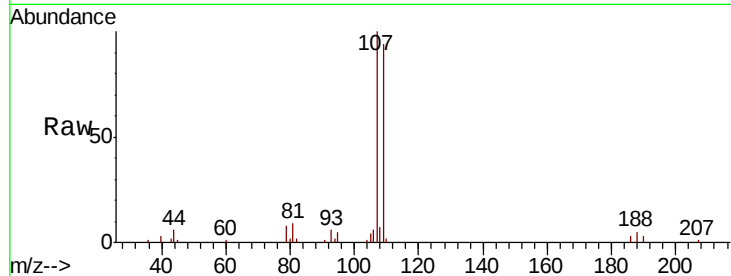
#61
 1,2-Dibromoethane
 Concen: 4.59 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.8	75.7	113.5

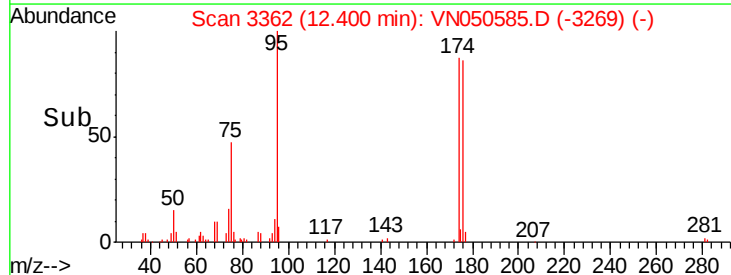
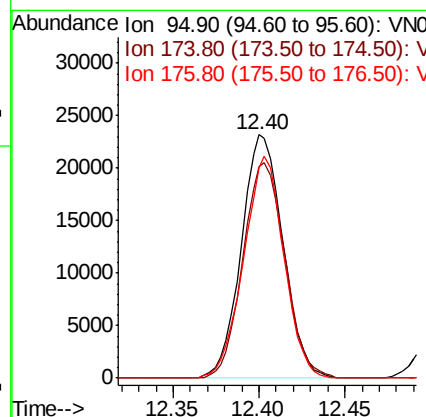
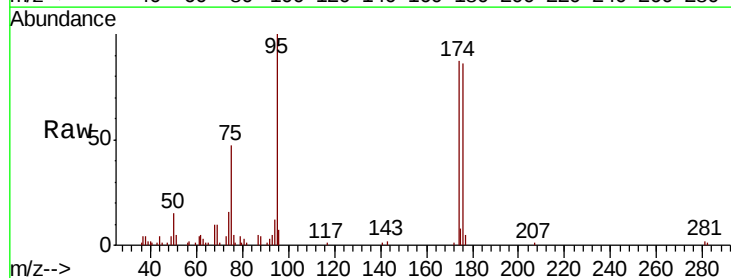
Manual Integrations
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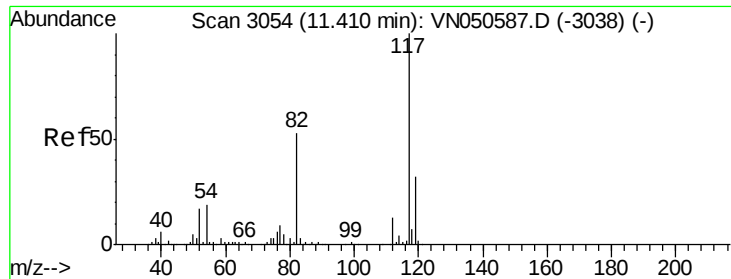
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 4.35 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	177.8
176	88.0	0.0	175.0





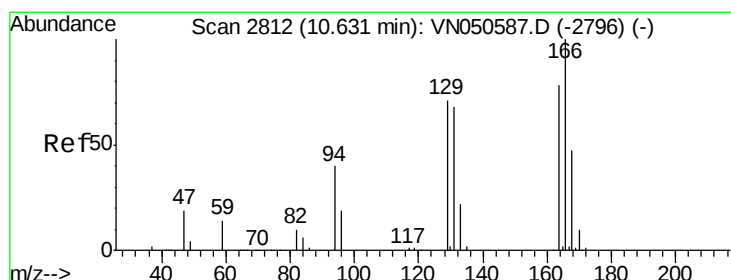
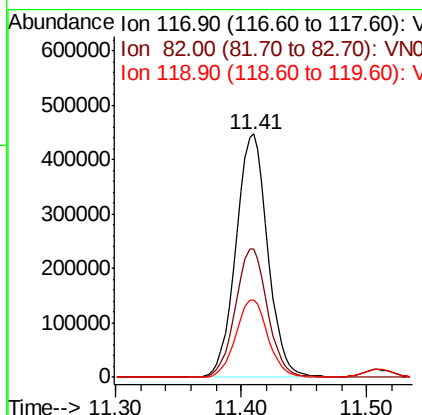
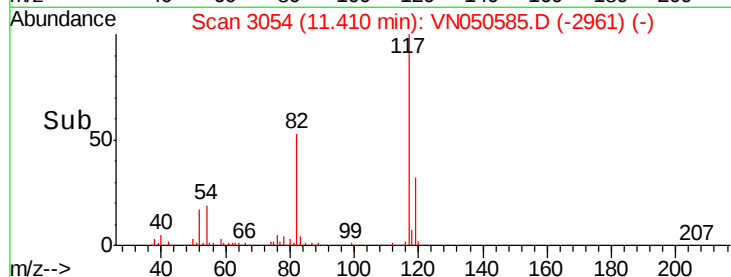
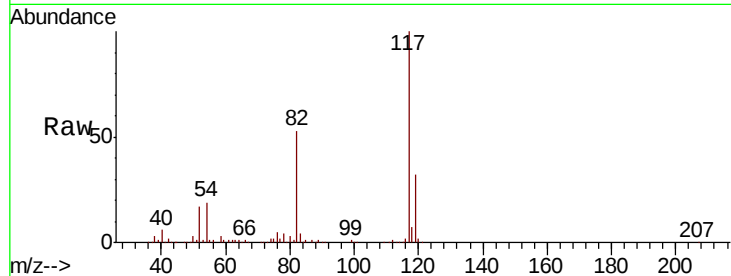
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.4	63.6
119	31.9	25.8	38.8

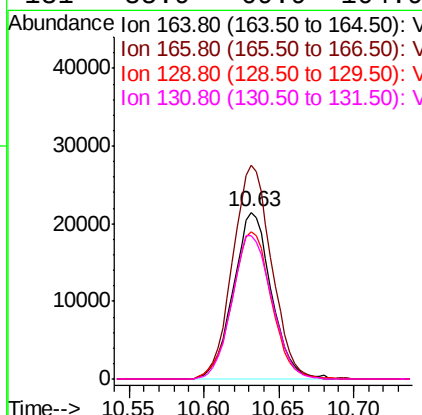
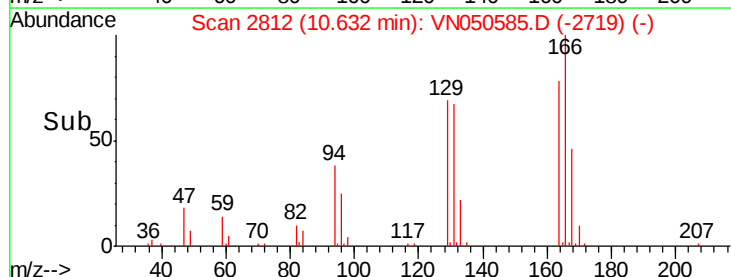
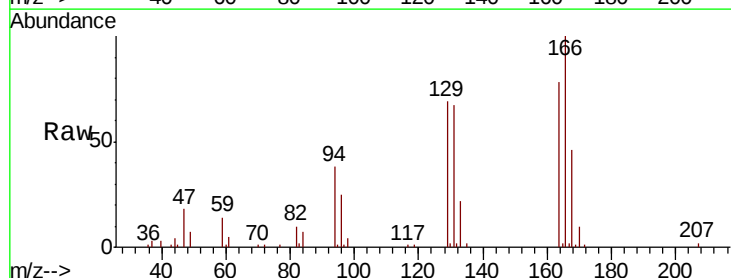
Manual Integrations
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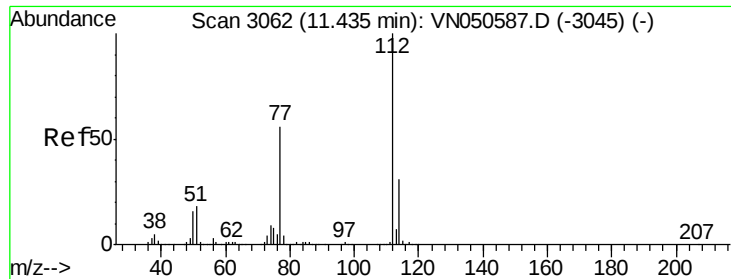
MMDadoda
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#64
Tetrachloroethene
Concen: 5.20 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	102.1	153.1
129	88.0	72.7	109.1
131	85.9	69.9	104.9





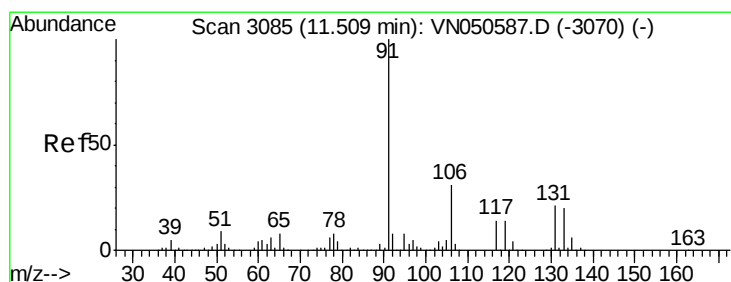
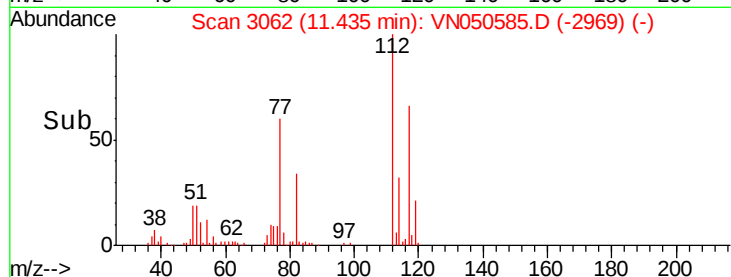
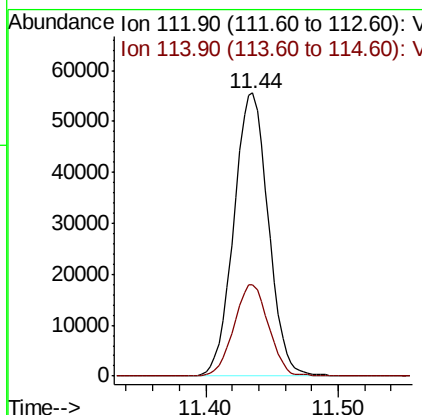
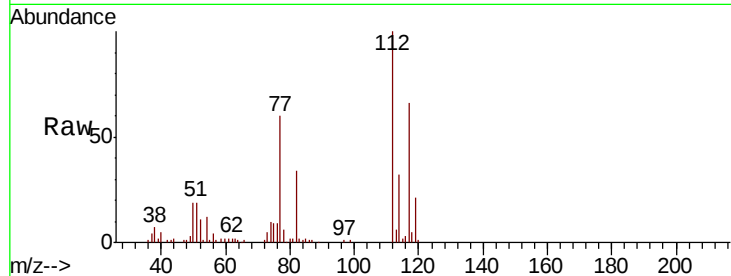
#65
Chlorobenzene
Concen: 5.08 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.2	37.8

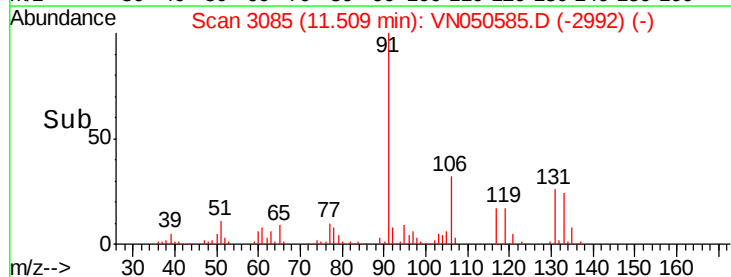
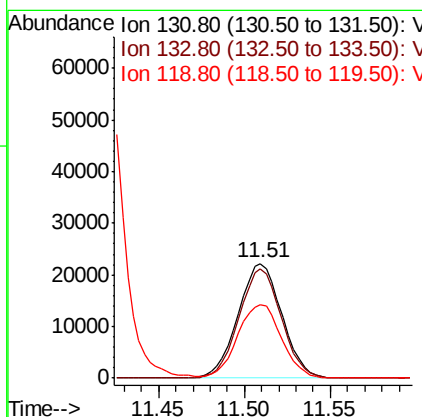
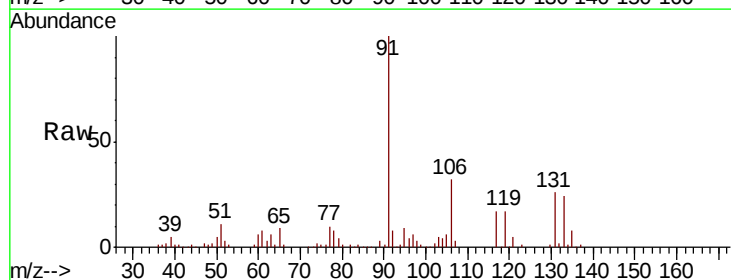
Manual Integrations
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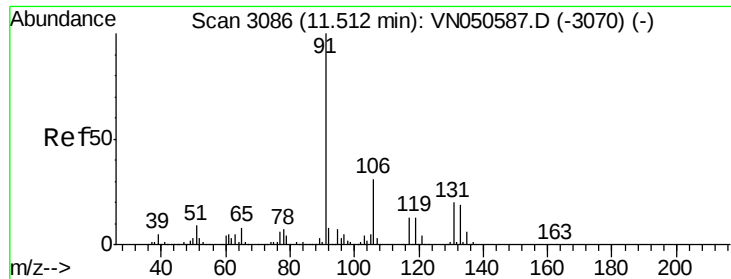
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.44 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.3	47.6	142.9
119	64.4	33.1	99.3





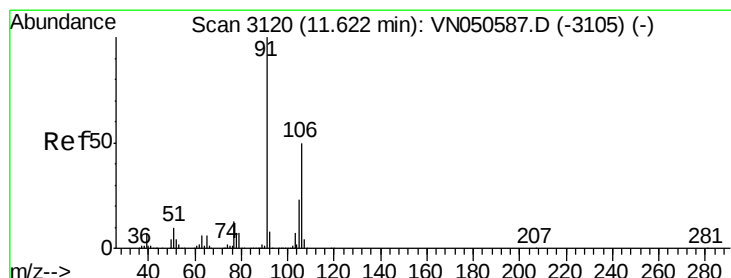
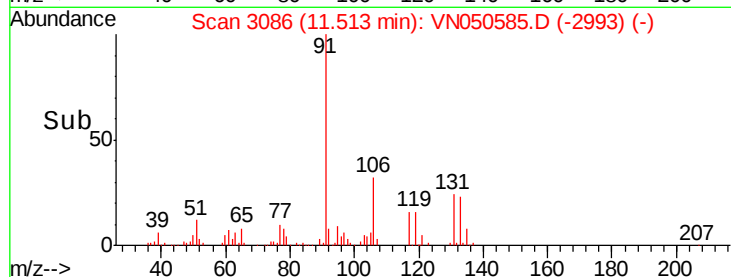
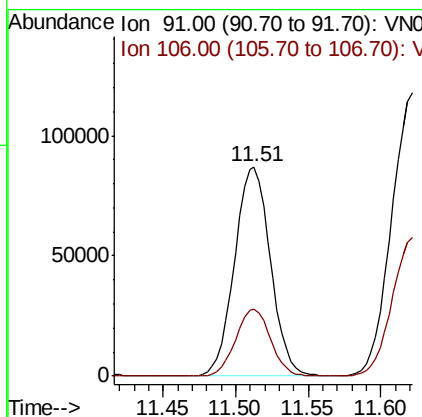
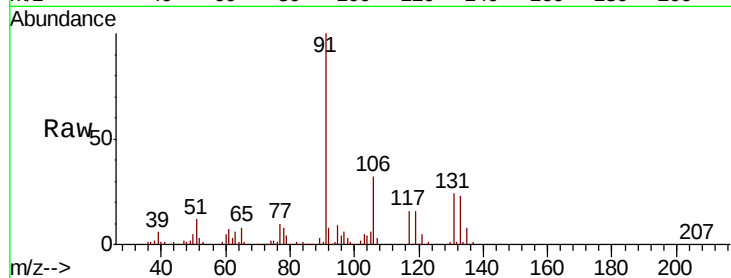
#67
Ethyl Benzene
Concen: 4.70 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 149919
Ion Ratio Lower Upper
91 100
106 32.0 24.8 37.2

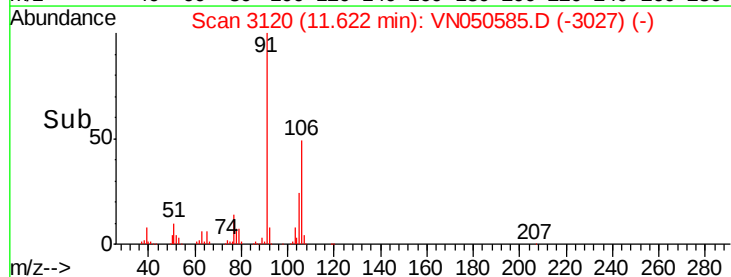
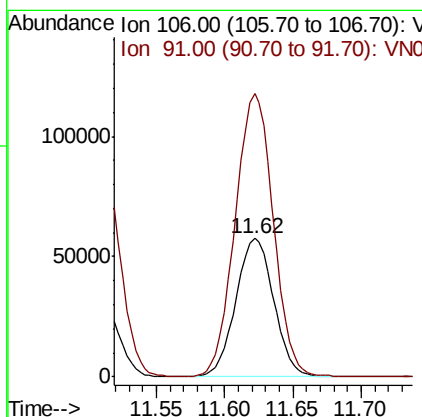
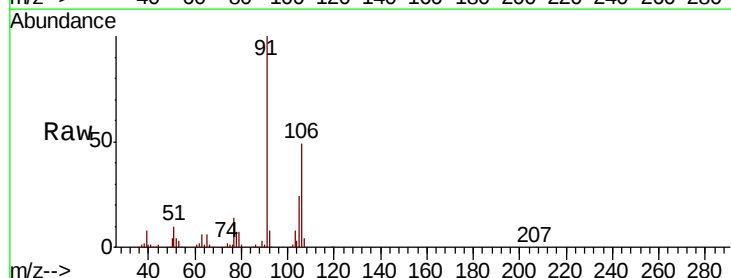
Manual Integrations
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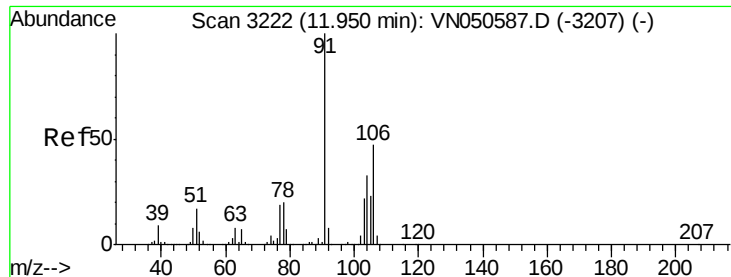
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#68
m/p-Xylenes
Concen: 9.18 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion: 106 Resp: 111551
Ion Ratio Lower Upper
106 100
91 204.9 161.5 242.3





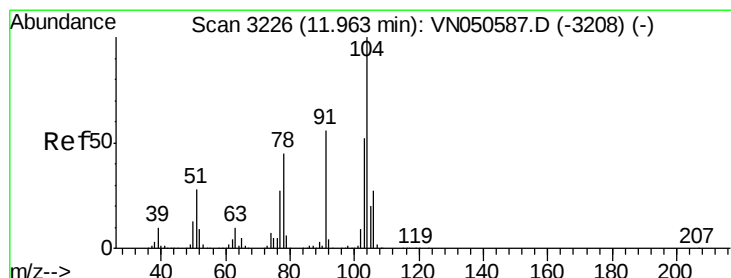
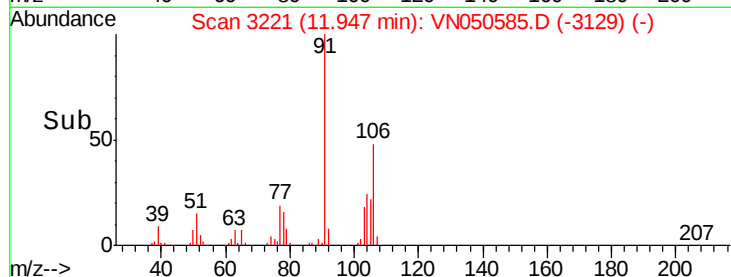
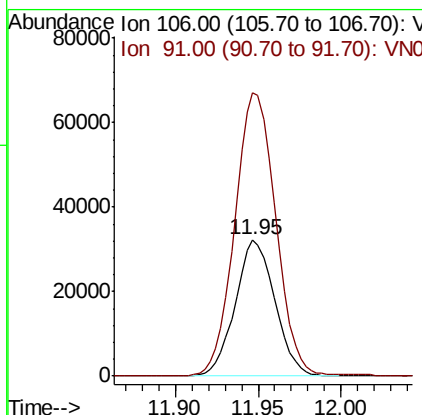
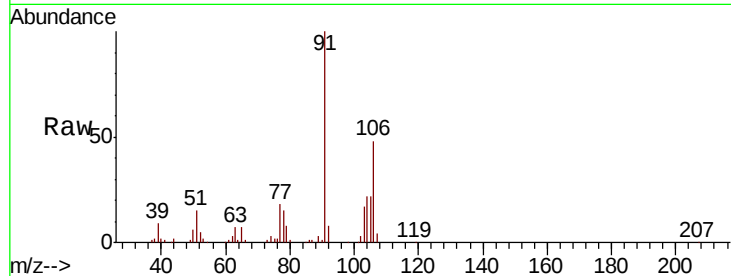
#69
o-Xylene
Concen: 4.59 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		53670		
91	215.7	106.8	320.4		

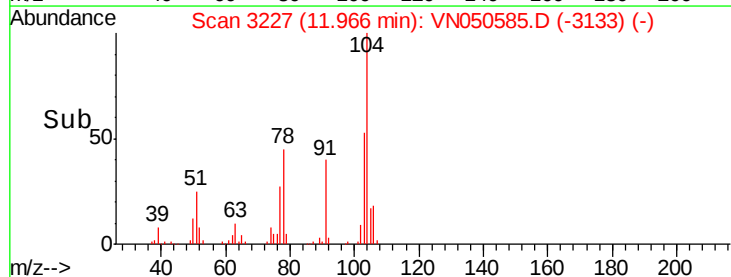
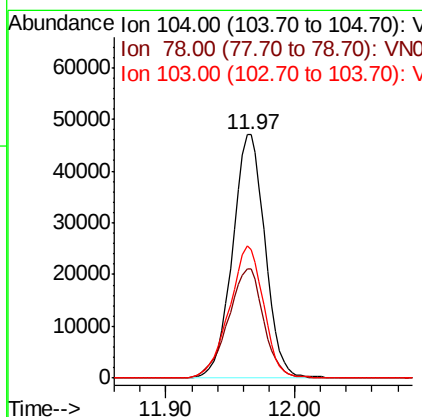
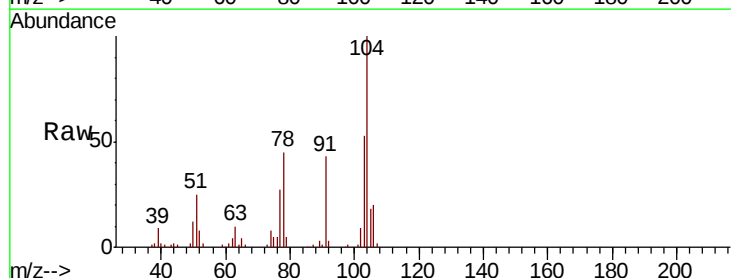
Manual Integrations
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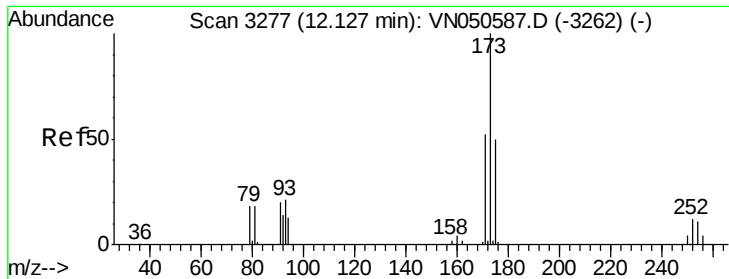
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#70
Styrene
Concen: 4.34 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		82286		
78	49.1	39.1	58.7		
103	57.4	44.9	67.3		





#71

Bromoform

Concen: 4.73 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 24450

Ion Ratio Lower Upper

173 100

175 47.2 24.4 73.2

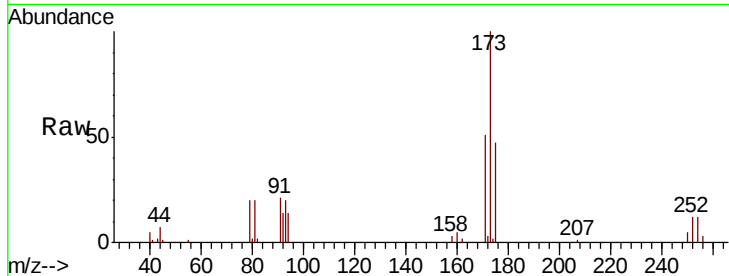
254 0.0 0.0 0.0

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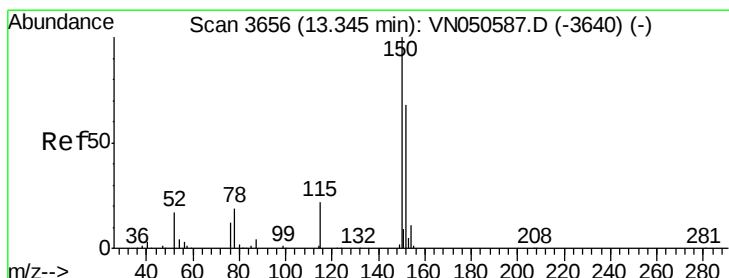
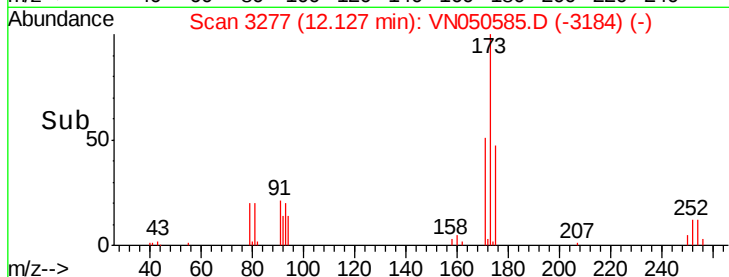
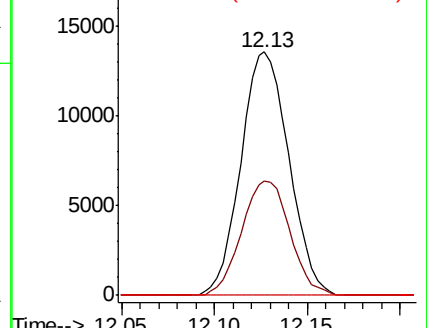
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

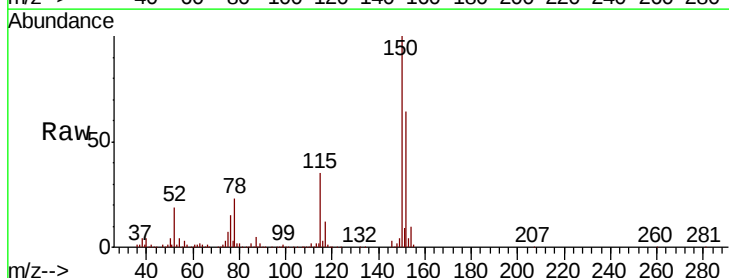
Tgt Ion:152 Resp: 355562

Ion Ratio Lower Upper

152 100

115 56.3 28.1 84.2

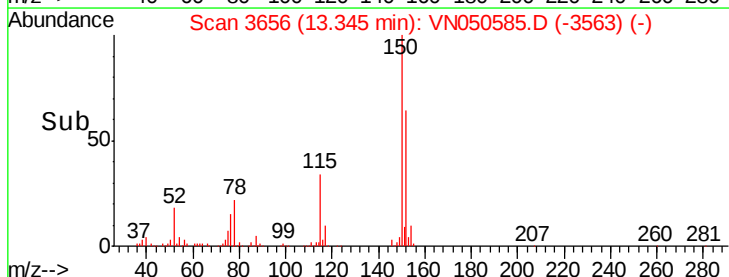
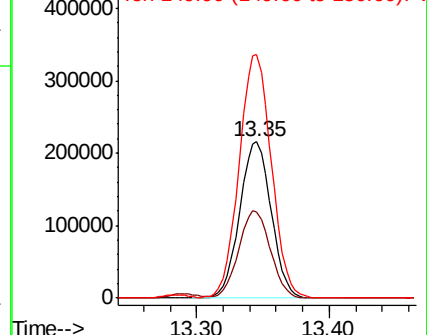
150 159.4 0.0 347.8

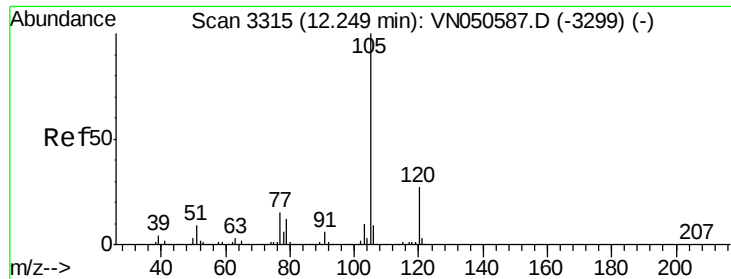


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.15 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 138443

Ion Ratio Lower Upper

105 100

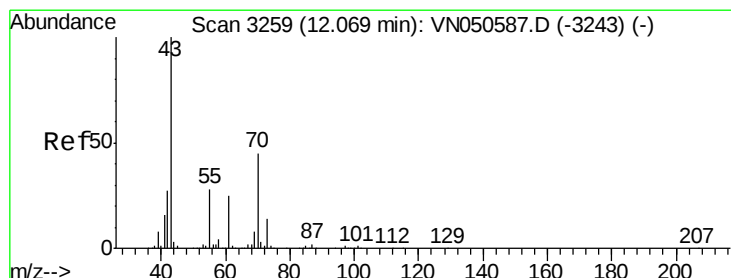
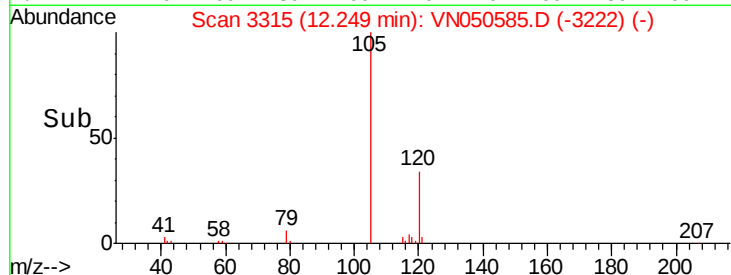
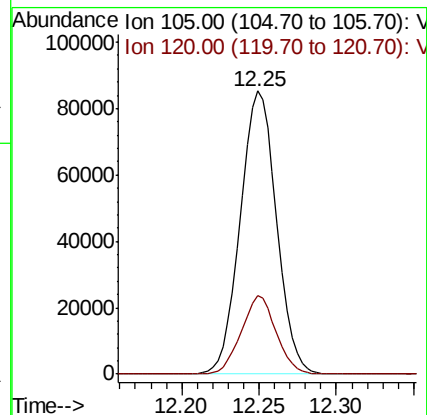
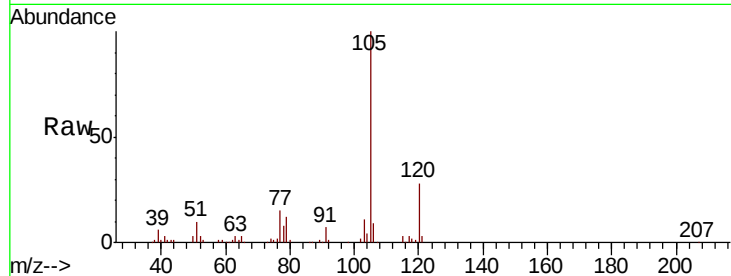
120 26.7 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 4.09 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Tgt Ion: 43 Resp: 34370

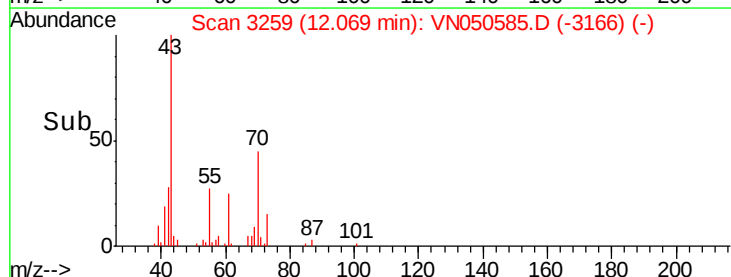
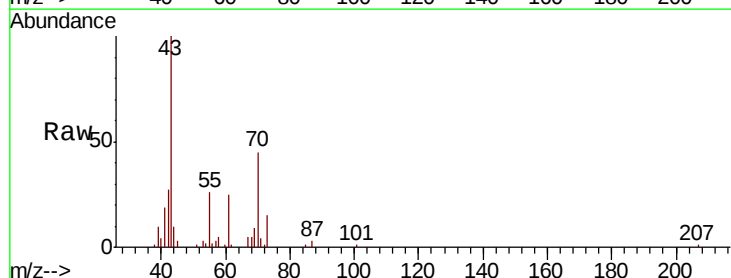
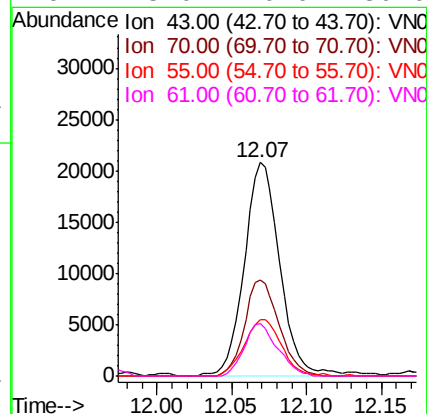
Ion Ratio Lower Upper

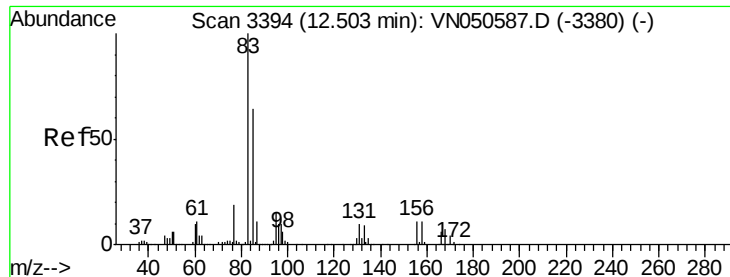
43 100

70 43.5 35.9 53.9

55 27.7 22.2 33.4

61 23.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.47 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

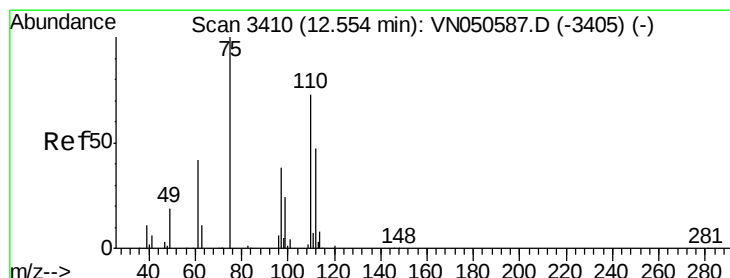
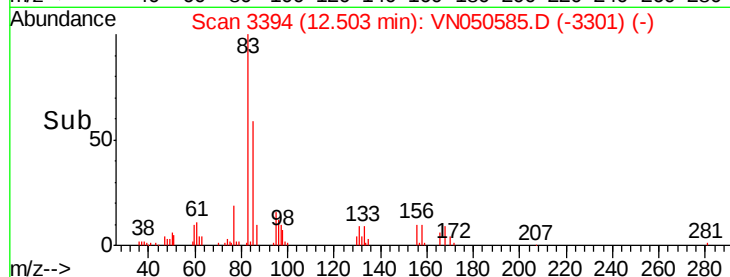
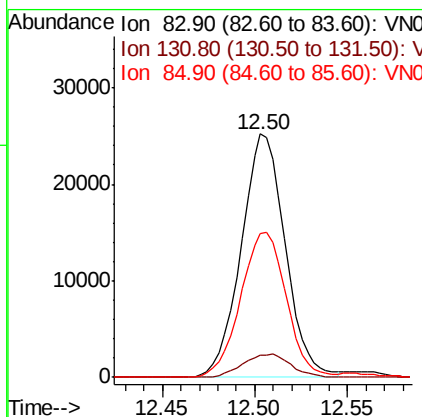
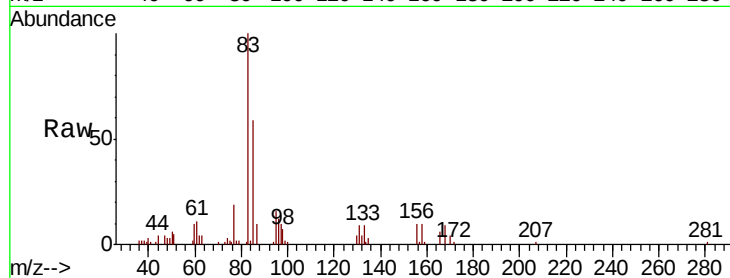
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	41503
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	61.5	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.54 ug/l m

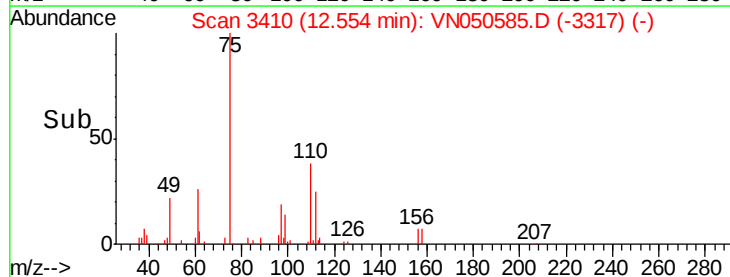
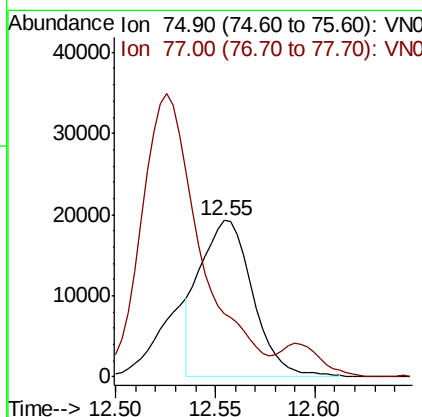
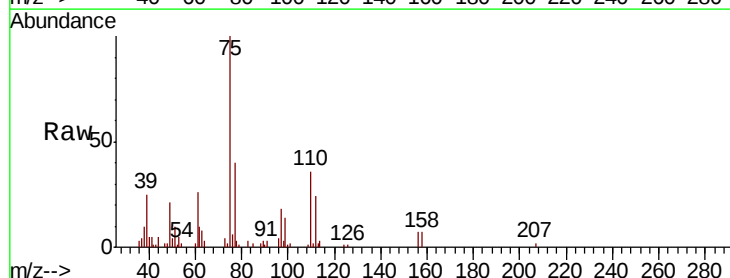
RT: 12.55 min Scan# 3410

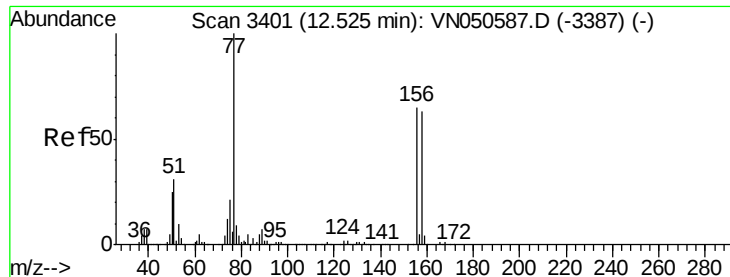
Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Tgt Ion:	75	Resp:	35606
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.58 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 40123

Ion Ratio Lower Upper

156 100

77 179.4 89.0 267.1

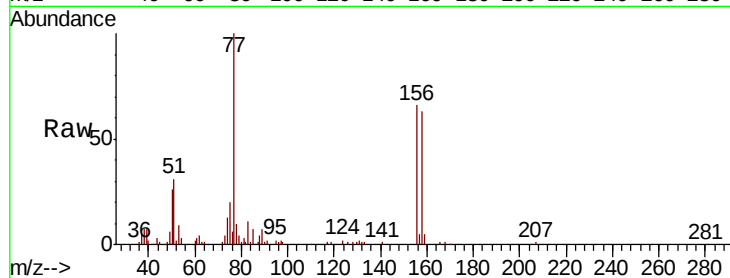
158 94.1 48.5 145.6

Manual Integrations

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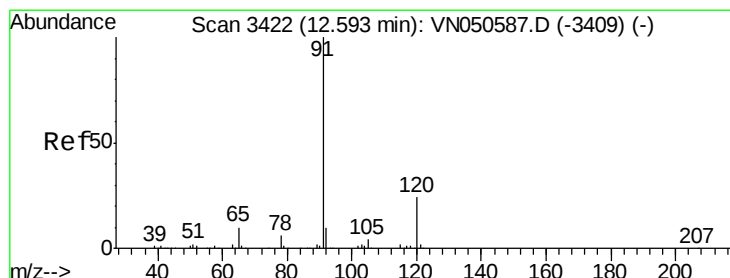
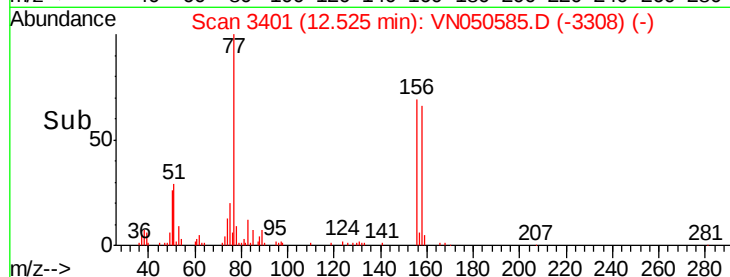
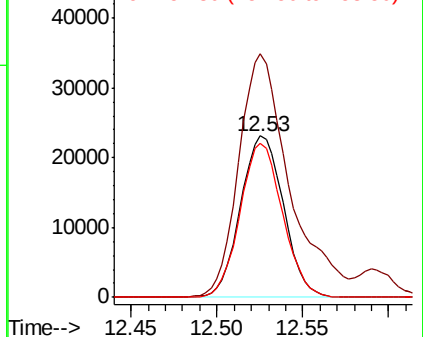
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.88 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050585.D

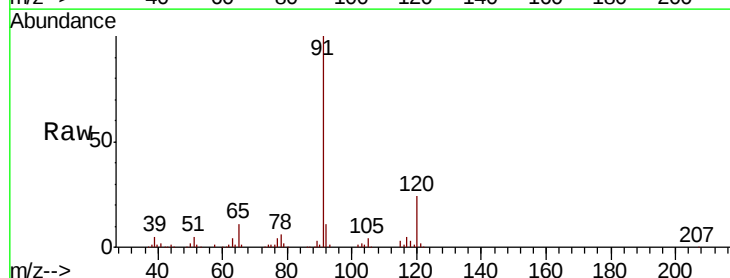
Acq: 14 Aug 2018 00:11

Tgt Ion: 91 Resp: 148279

Ion Ratio Lower Upper

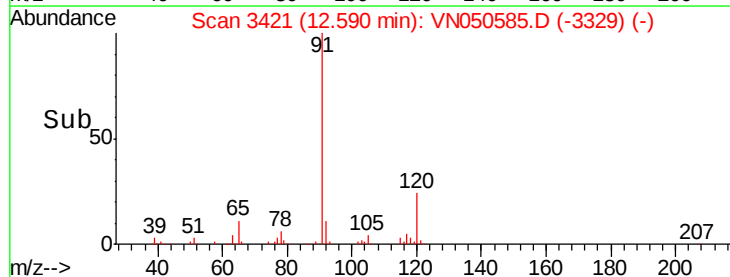
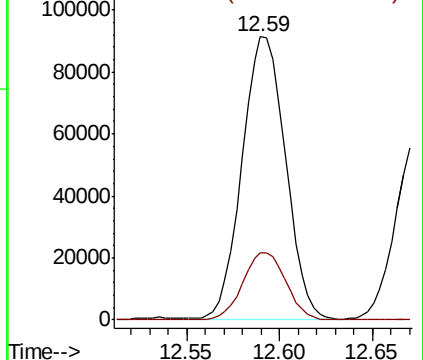
91 100

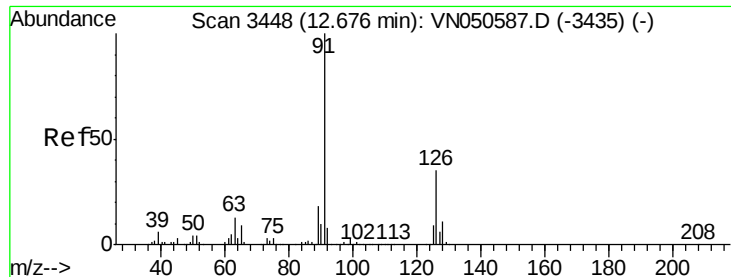
120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.34 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 100357

Ion Ratio Lower Upper

91 100

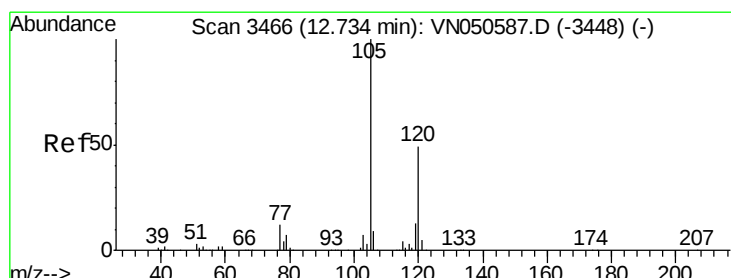
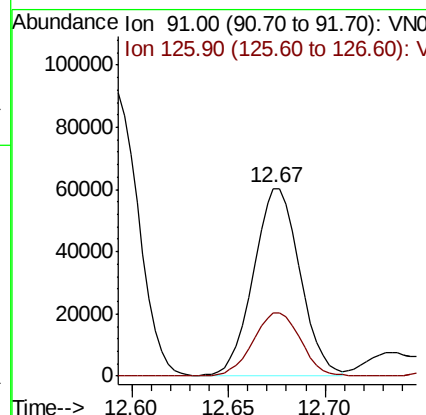
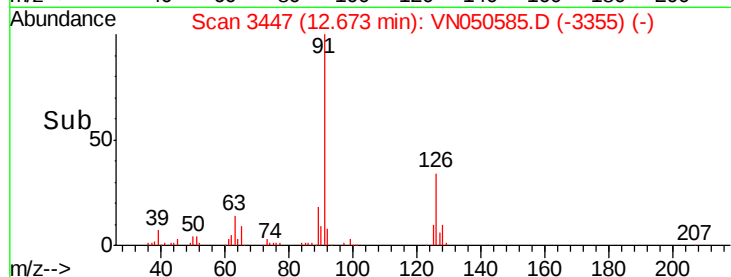
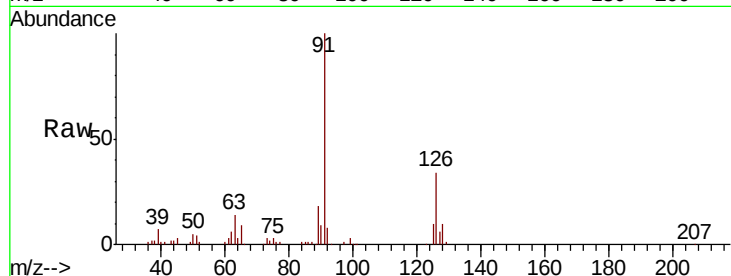
126 35.0 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.02 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050585.D

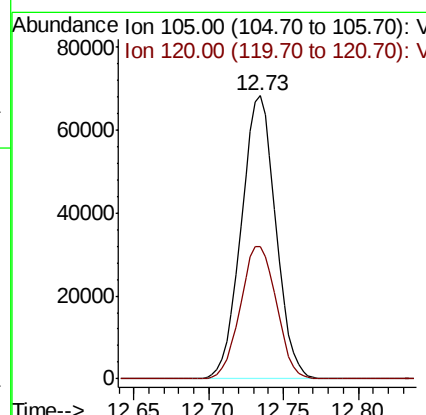
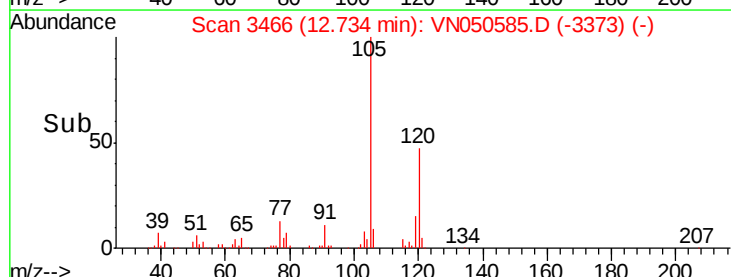
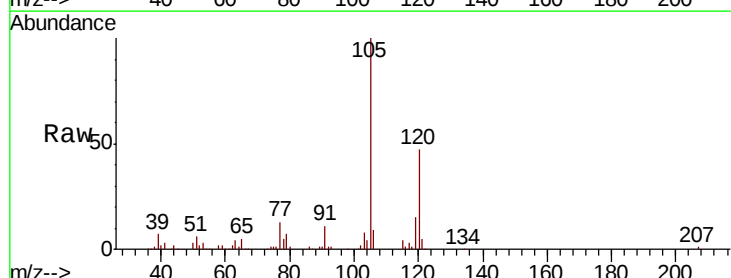
Acq: 14 Aug 2018 00:11

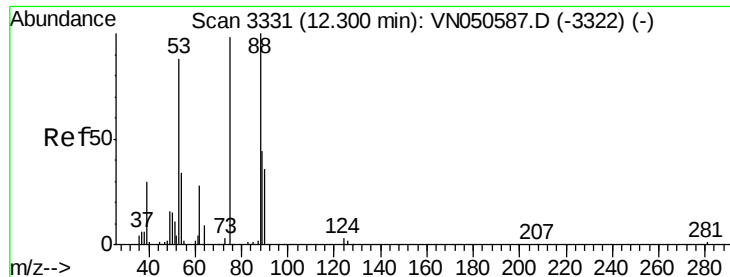
Tgt Ion: 105 Resp: 109330

Ion Ratio Lower Upper

105 100

120 48.9 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 4.37 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

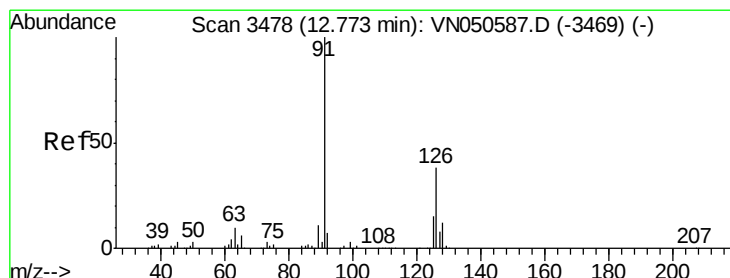
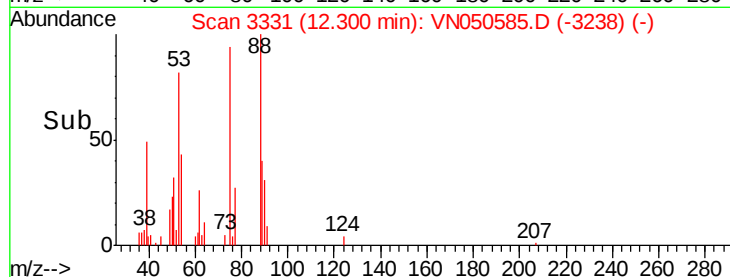
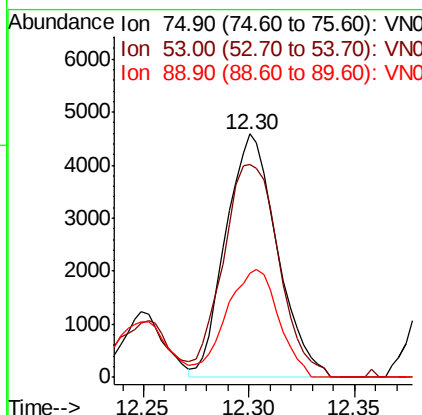
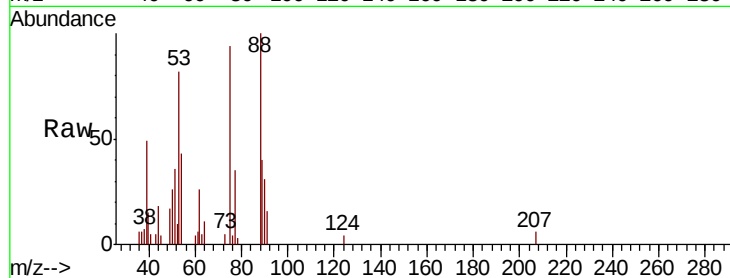
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	7763
Ion	Ratio	Lower	Upper
75	100		
53	95.3	72.2	108.2
89	45.5	36.3	54.5

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#82

4-Chlorotoluene

Concen: 5.19 ug/l

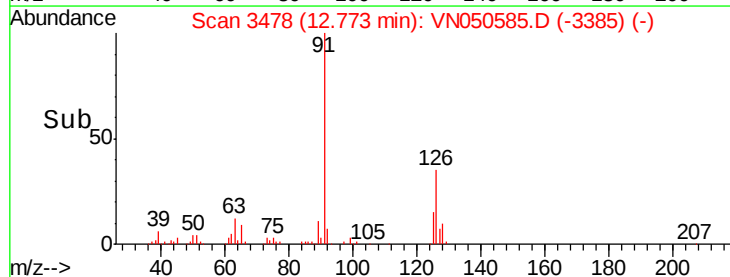
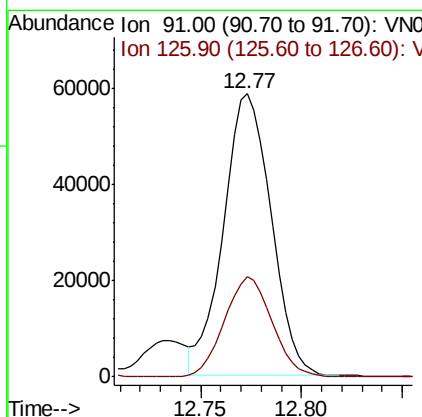
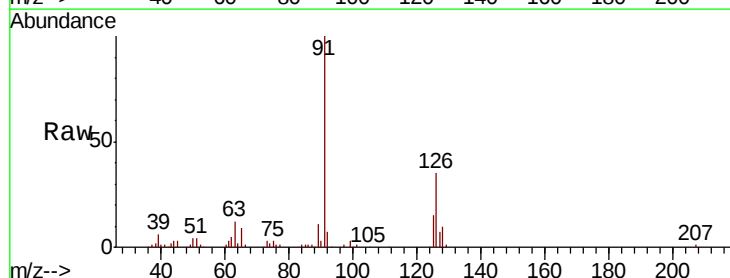
RT: 12.77 min Scan# 3478

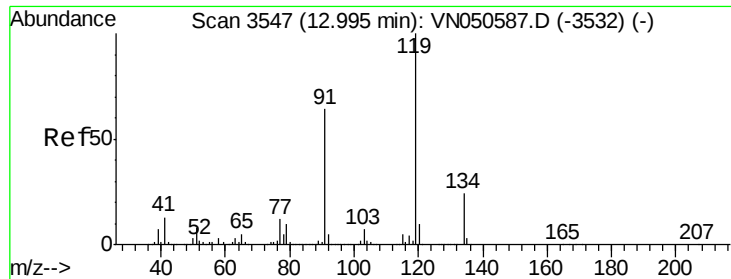
Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Tgt Ion:	91	Resp:	97090
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.3	52.0





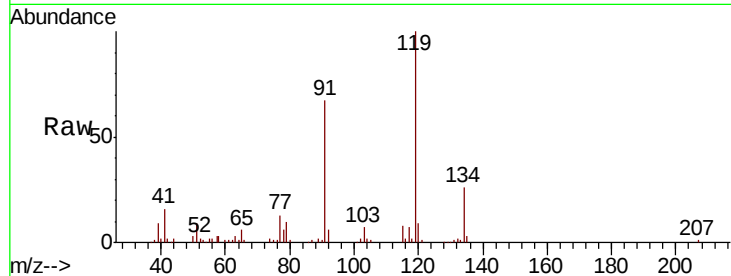
#83
tert-Butylbenzene
Concen: 5.01 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

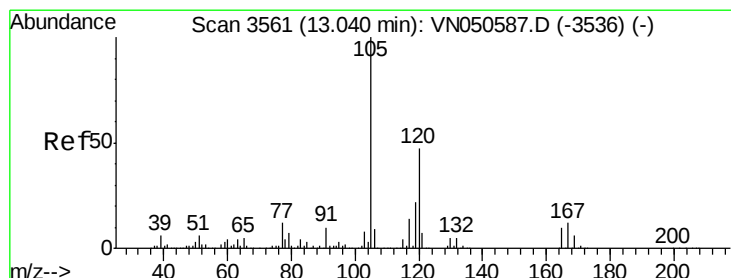
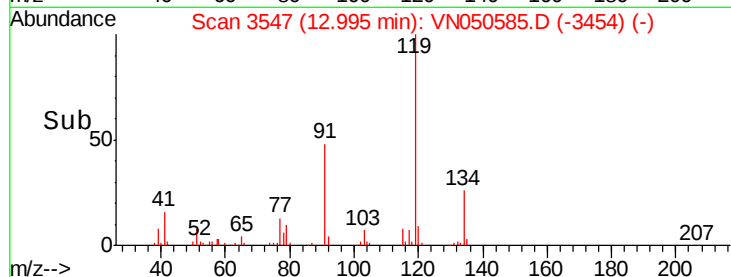
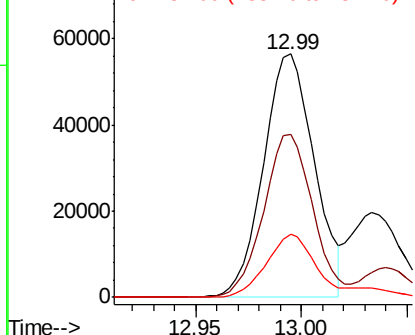
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.2	96.6
134	24.5	13.4	40.2

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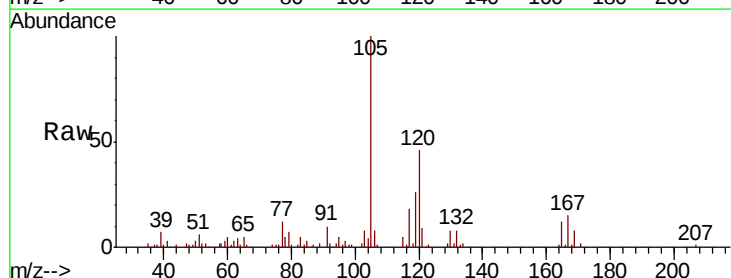


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

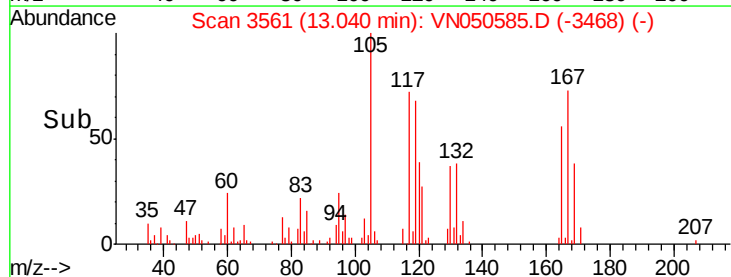
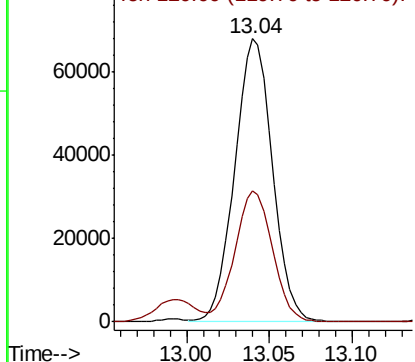


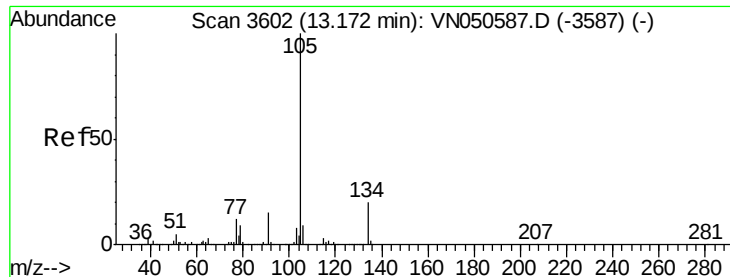
#84
1,2,4-Trimethylbenzene
Concen: 4.88 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.03 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 127344

Ion Ratio Lower Upper

105 100

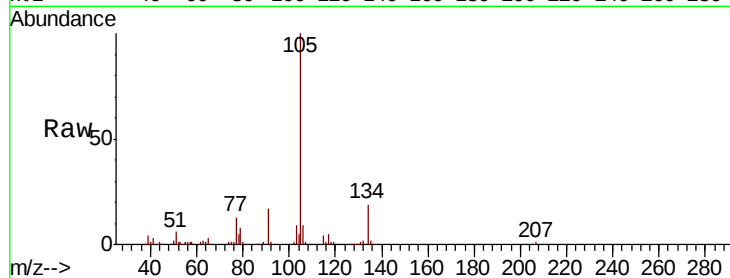
134 19.4 10.1 30.3

Manual Integrations

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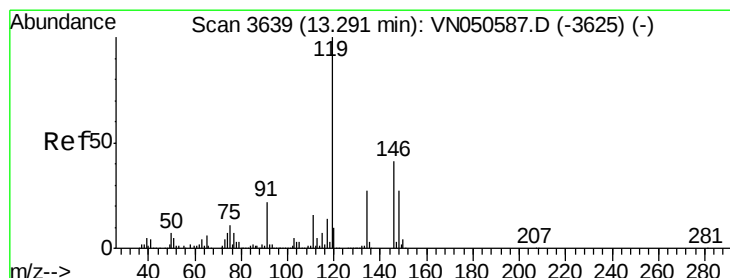
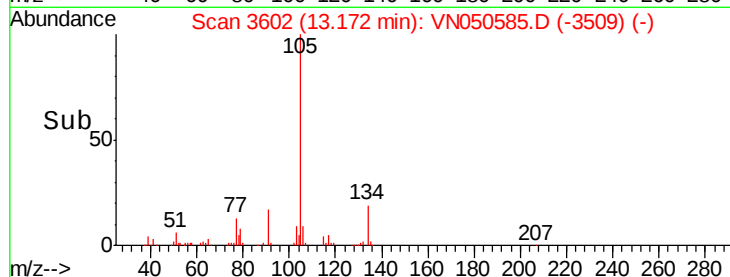
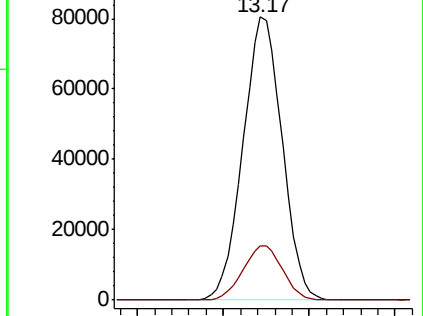
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.70 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

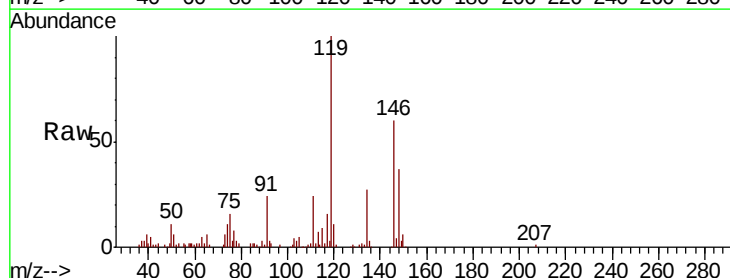
Tgt Ion:119 Resp: 101679

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

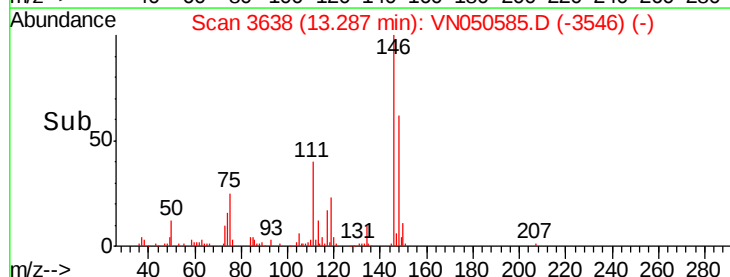
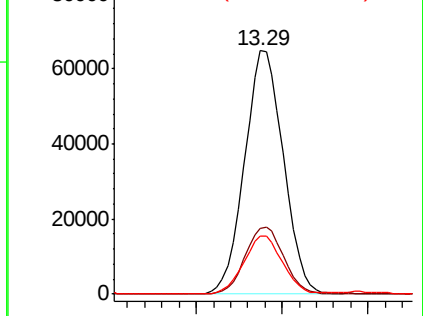
91 23.4 11.2 33.6

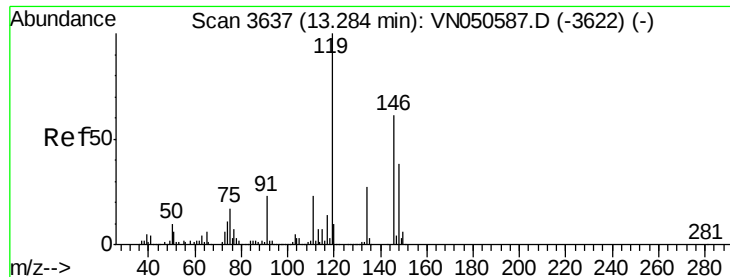


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





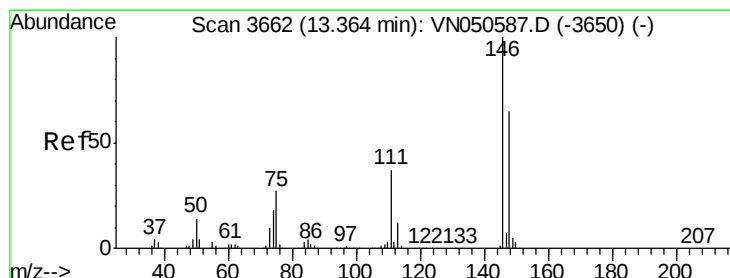
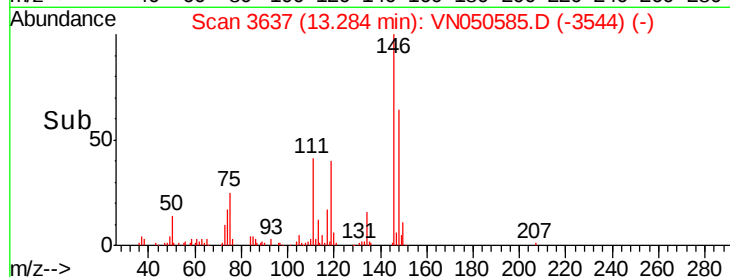
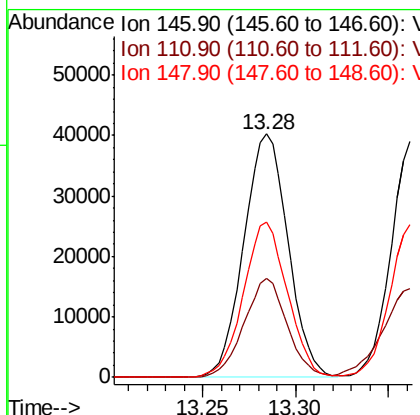
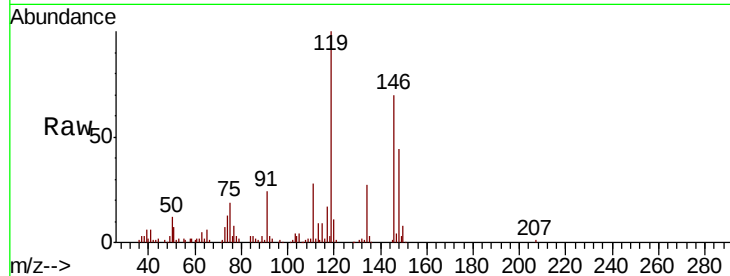
#87
 1,3-Dichlorobenzene
 Concen: 5.23 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.2	57.6
148	63.3	31.9	95.7

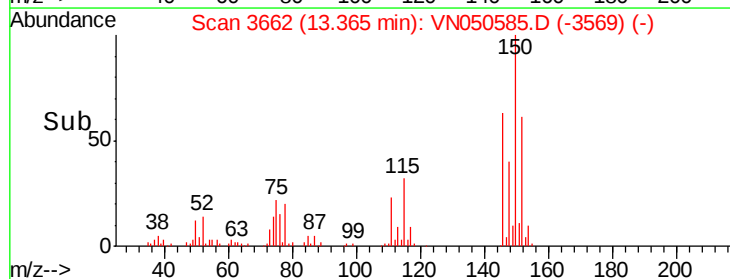
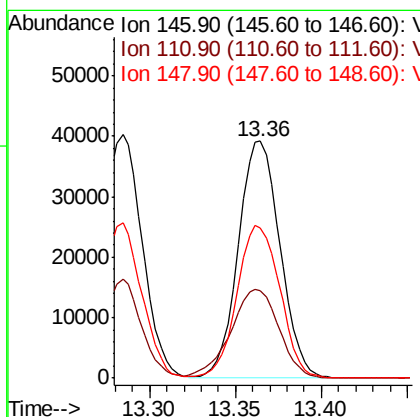
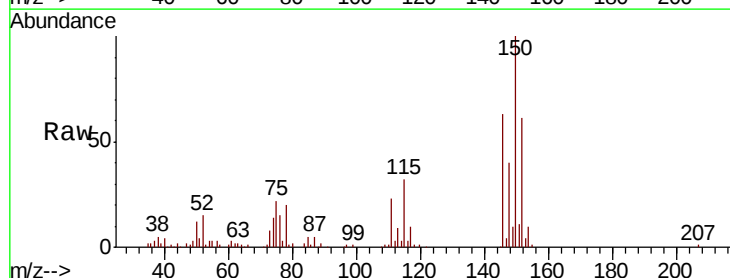
Manual Integrations
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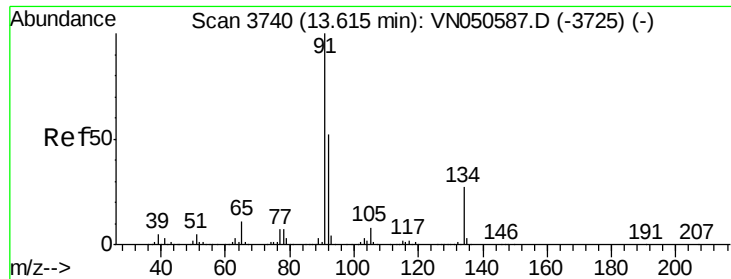
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#88
 1,4-Dichlorobenzene
 Concen: 5.21 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	18.8	56.4
148	66.2	32.3	96.8





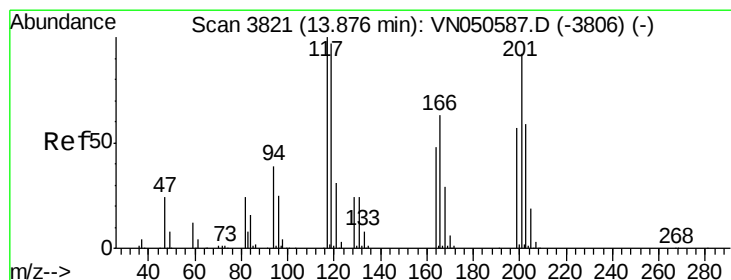
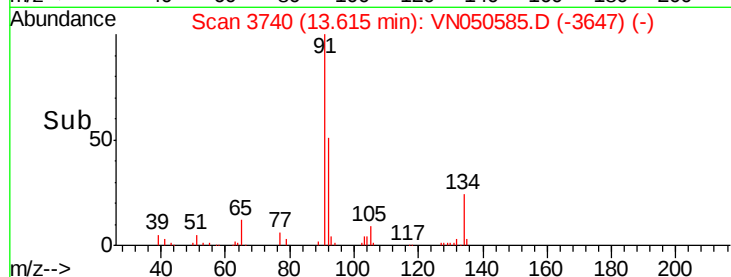
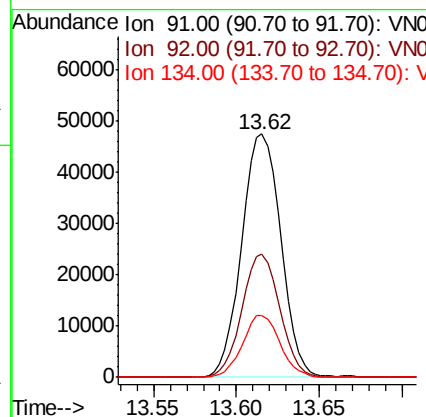
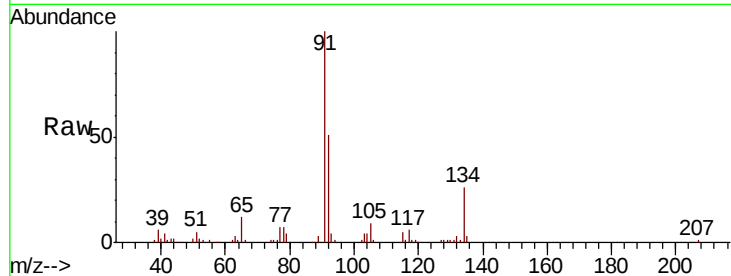
#89
n-Butylbenzene
Concen: 4.29 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.7	26.3	78.8
134	24.3	13.3	39.9

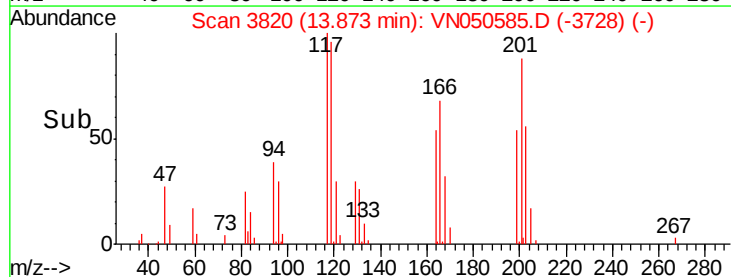
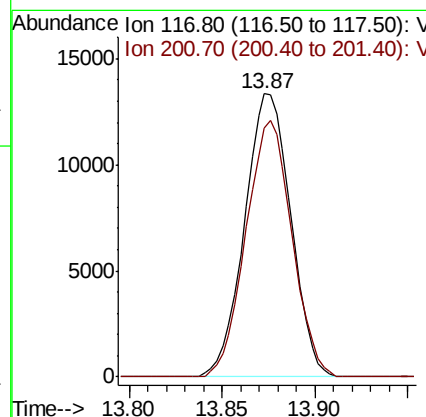
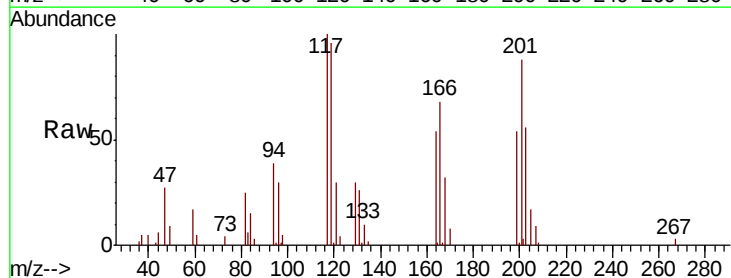
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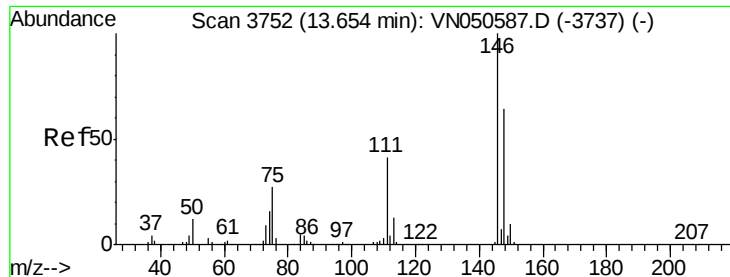
MMDadoda
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#90
Hexachloroethane
Concen: 5.94 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	45.5	136.5





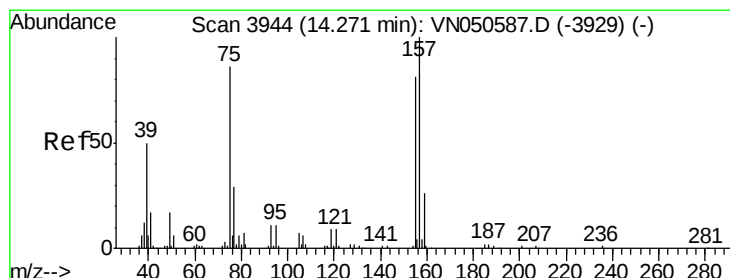
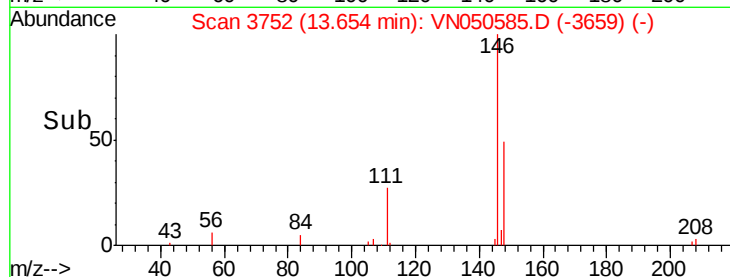
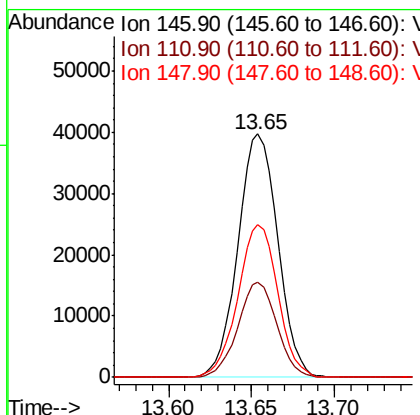
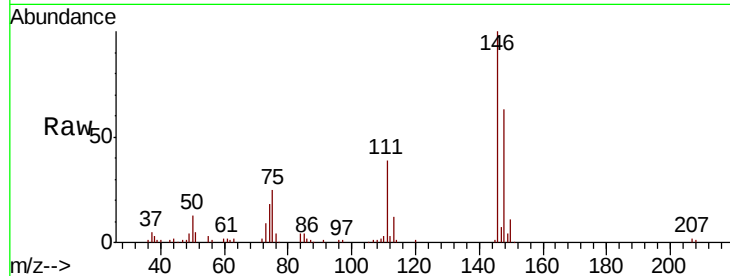
#91
 1,2-Dichlorobenzene
 Concen: 5.23 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.8	59.4
148	62.6	32.3	96.8

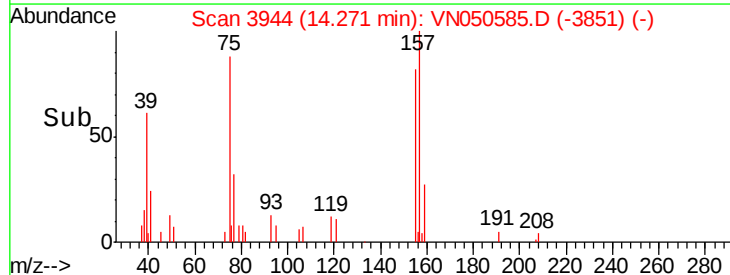
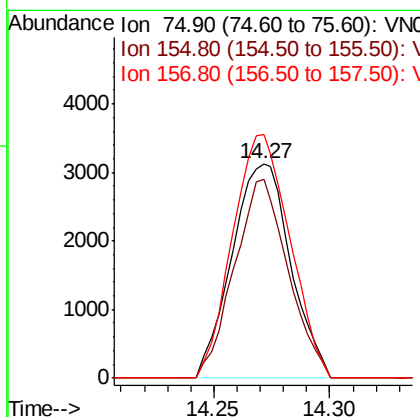
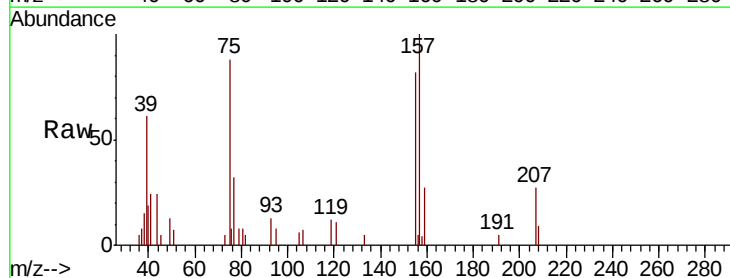
Manual Integrations
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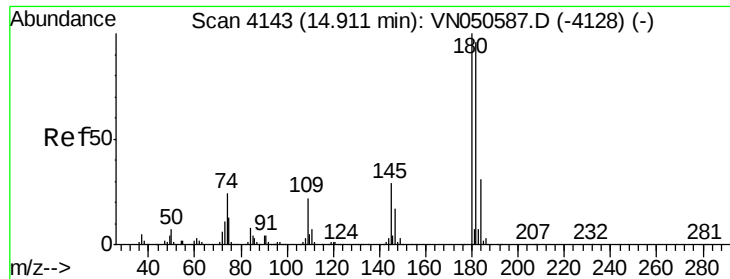
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.34 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	46.6	139.8
157	111.0	58.1	174.2





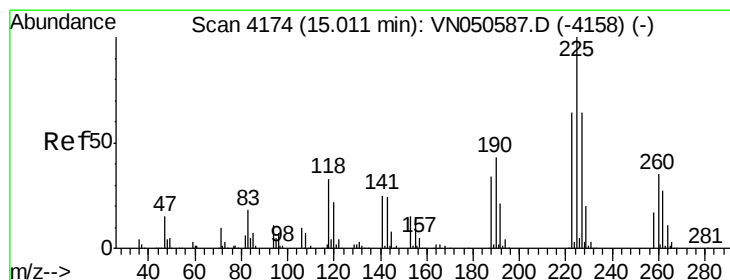
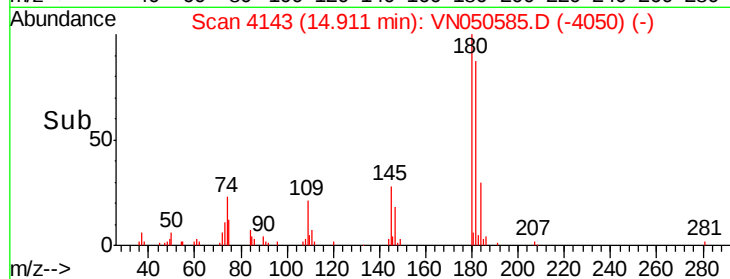
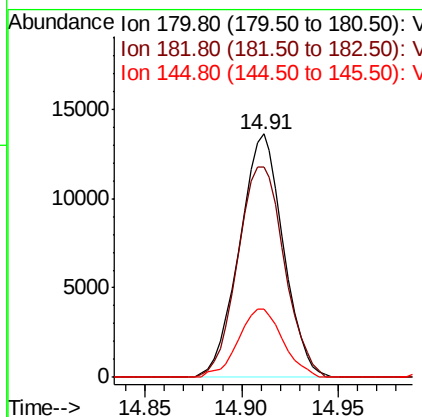
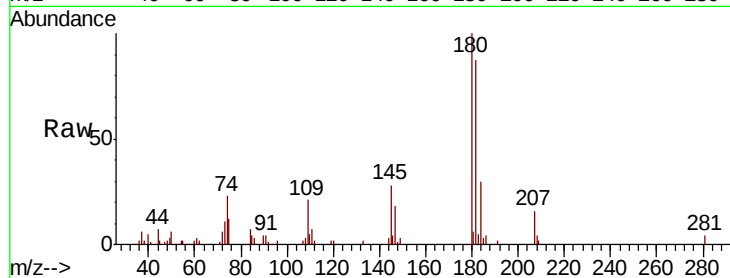
#93
 1,2,4-Trichlorobenzene
 Concen: 3.35 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.9	143.7
145	28.4	14.4	43.4

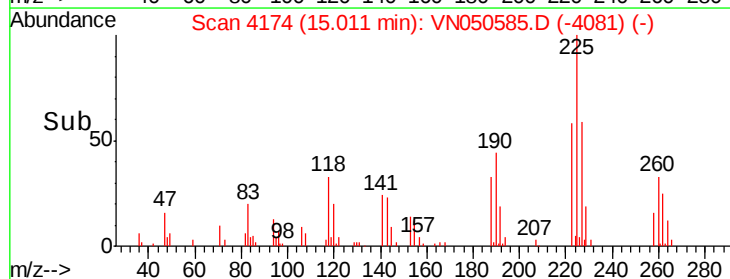
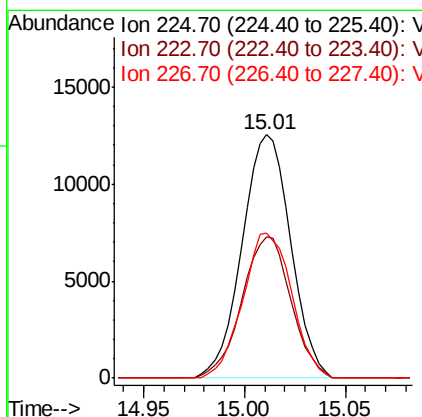
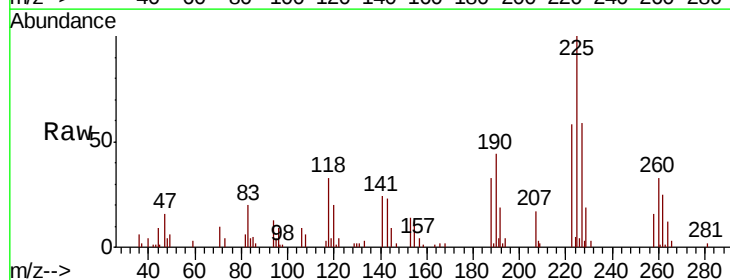
Manual Integrations
 APPROVED

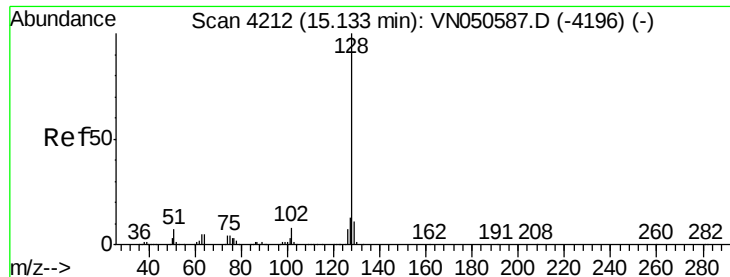
MMDadoda
 8/15/2018 3:20:57 PM



#94
 Hexachlorobutadiene
 Concen: 4.53 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.7	32.1	96.3
227	60.2	32.0	96.2





#95

Naphthalene

Concen: 2.47 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Instrument :

MSVOA_N

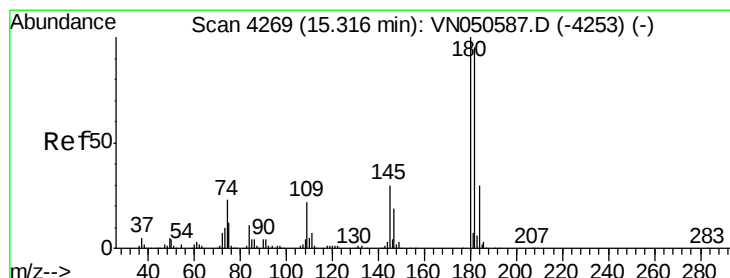
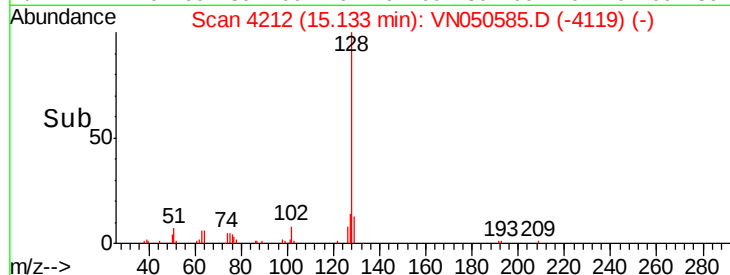
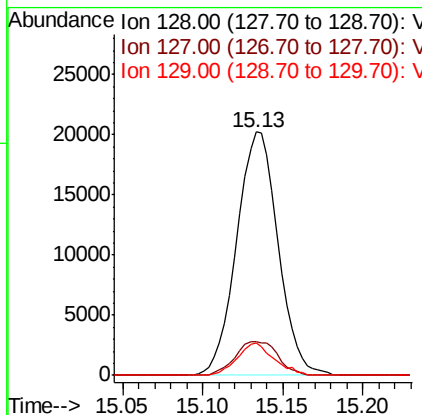
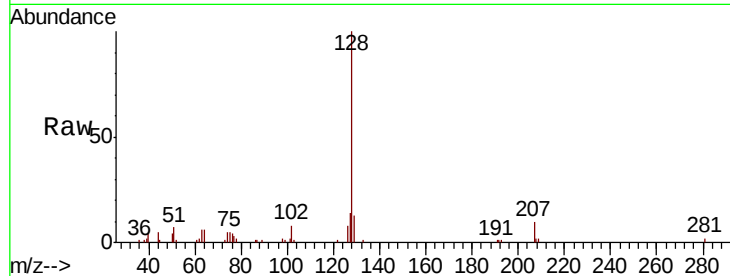
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	35734
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.3	15.5
129	11.7	8.5	12.7

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 3.35 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050585.D

Acq: 14 Aug 2018 00:11

Tgt Ion:	180	Resp:	21692
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	141.8
145	29.5	14.6	44.0

