

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050780.D
 Acq On : 21 Aug 2018 10:20
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:18:43 AM

Quant Time: Aug 22 03:48:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	600227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	899617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	808585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	362697	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	40857	5.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.30%	
35) Dibromofluoromethane	7.59	113	38051	5.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.64%	
50) Toluene-d8	10.09	98	131229	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
62) 4-Bromofluorobenzene	12.40	95	39722	4.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	32793	4.08	ug/l	98
3) Chloromethane	2.06	50	47465	4.79	ug/l	98
4) Vinyl Chloride	2.18	62	44654	4.76	ug/l	99
5) Bromomethane	2.56	94	29152	4.83	ug/l	98
6) Chloroethane	2.70	64	27730	5.11	ug/l	89
7) Trichlorofluoromethane	3.01	101	60475	5.03	ug/l	99
8) Diethyl Ether	3.41	74	19951	4.88	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	37399	4.98	ug/l	98
10) Methyl Iodide	3.95	142	22372	3.75	ug/l	100
11) Tert butyl alcohol	4.79	59	10395	22.59	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	33170	4.92	ug/l	97
13) Acrolein	3.61	56	8962	35.66	ug/l	100
14) Allyl chloride	4.32	41	48692	4.64	ug/l	99
15) Acrylonitrile	4.99	53	57723	24.68	ug/l #	85
16) Acetone	3.82	43	60509	30.37	ug/l	99
17) Carbon Disulfide	4.05	76	100566	4.45	ug/l	99
18) Methyl Acetate	4.33	43	33282	4.84	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	76138	4.49	ug/l	98
20) Methylene Chloride	4.55	84	42786	5.25	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	34551	4.76	ug/l	96
22) Diisopropyl ether	5.96	45	99656	4.76	ug/l	95
23) Vinyl Acetate	5.90	43	304324	22.57	ug/l	100
24) 1,1-Dichloroethane	5.85	63	68413	5.09	ug/l	98
25) 2-Butanone	6.84	43	85171	29.25	ug/l	99
26) 2,2-Dichloropropane	6.83	77	53892	4.99	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	38224	4.86	ug/l	97
28) Bromochloromethane	7.20	49	31328	5.49	ug/l	98
29) Tetrahydrofuran	7.22	42	38356	22.97	ug/l	97
30) Chloroform	7.37	83	70407	5.29	ug/l	96
31) Cyclohexane	7.66	56	59061	4.42	ug/l #	73
32) 1,1,1-Trichloroethane	7.57	97	58965	5.16	ug/l	99
36) 1,1-Dichloropropene	7.79	75	48790	4.60	ug/l	99
37) Ethyl Acetate	6.93	43	28260	4.84	ug/l	97
38) Carbon Tetrachloride	7.77	117	52346	4.88	ug/l	97

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 ALS Vial : 3 Sample Multiplier: 1

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 MSVOA_N
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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	48536	4.23	ug/l	95
40) Benzene	8.04	78	154490	4.83	ug/l	99
41) Methacrylonitrile	7.18	41	14845	4.81	ug/l	95
42) 1,2-Dichloroethane	8.13	62	49424	5.16	ug/l	98
43) Isopropyl Acetate	8.16	43	48277	4.60	ug/l	97
44) Trichloroethene	8.83	130	41466	4.91	ug/l	98
45) 1,2-Dichloropropane	9.12	63	40820	4.85	ug/l	100
46) Dibromomethane	9.21	93	24102	4.88	ug/l	98
47) Bromodichloromethane	9.40	83	52296	5.05	ug/l	99
48) Methyl methacrylate	9.20	41	22875	4.28	ug/l	95
49) 1,4-Dioxane	9.20	88	6538	89.75	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	165744	26.49	ug/l	97
52) Toluene	10.16	92	88084	4.64	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	46516	4.51	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	53210	4.51	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	34458	4.90	ug/l	98
56) Ethyl methacrylate	10.43	69	34288	4.30	ug/l	97
57) 1,3-Dichloropropane	10.71	76	56142	4.83	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	71600	21.01	ug/l	99
59) 2-Hexanone	10.75	43	108941	26.15	ug/l	94
60) Dibromochloromethane	10.90	129	37397	4.75	ug/l	97
61) 1,2-Dibromoethane	11.01	107	32842	4.83	ug/l	97
64) Tetrachloroethene	10.63	164	37810	4.92	ug/l	99
65) Chlorobenzene	11.43	112	103469	4.90	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	38012	4.92	ug/l	98
67) Ethyl Benzene	11.51	91	155170	4.52	ug/l	100
68) m/p-Xylenes	11.62	106	114167	8.75	ug/l	98
69) o-Xylene	11.95	106	55796	4.45	ug/l	98
70) Styrene	11.96	104	83451	4.26	ug/l	98
71) Bromoform	12.13	173	24618	4.63	ug/l #	98
73) Isopropylbenzene	12.25	105	141054	4.70	ug/l	99
74) N-amyl acetate	12.07	43	33792	4.48	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	42794	5.29	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	35324m	5.74	ug/l	
77) Bromobenzene	12.53	156	40360	4.94	ug/l	98
78) n-propylbenzene	12.59	91	152226	4.54	ug/l	99
79) 2-Chlorotoluene	12.67	91	101754	4.87	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	112945	4.66	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	8341	4.44	ug/l	90
82) 4-Chlorotoluene	12.77	91	98396	4.77	ug/l	100
83) tert-Butylbenzene	12.99	119	99289	4.73	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	111593	4.58	ug/l	100
85) sec-Butylbenzene	13.17	105	132114	4.80	ug/l	99
86) p-Isopropyltoluene	13.29	119	106340	4.54	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	67577	4.88	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	65473	4.80	ug/l	96
89) n-Butylbenzene	13.61	91	80777	4.31	ug/l	95
90) Hexachloroethane	13.87	117	24781	5.11	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	65336	4.89	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5118	4.75	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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Quant Time: Aug 22 03:48:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 03:28:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	18126	3.12	ug/l	97
94) Hexachlorobutadiene	15.01	225	22566	5.18	ug/l	96
95) Naphthalene	15.13	128	30942	2.70	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	19478	3.44	ug/l	98

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

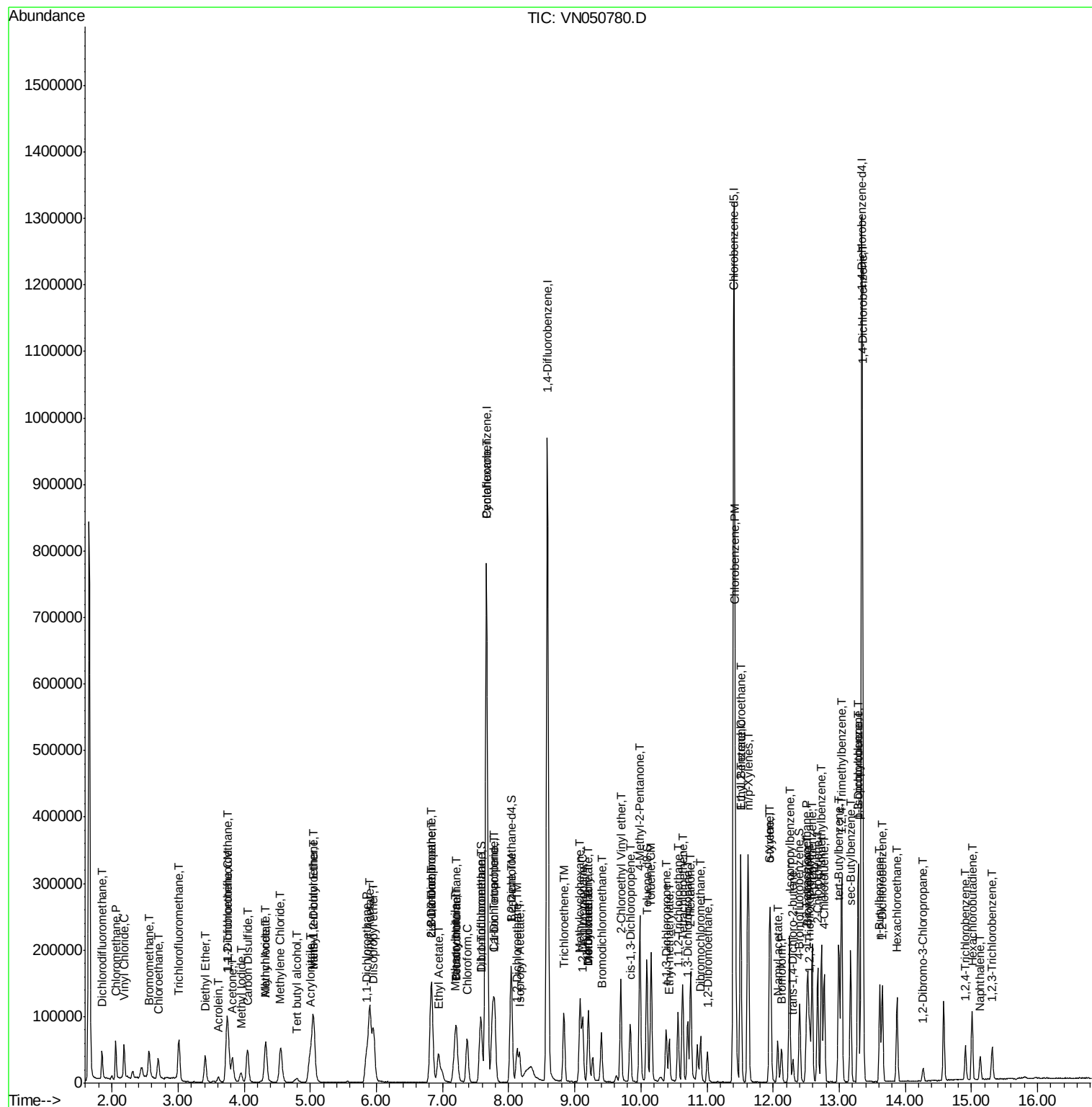
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050780.D
 Acq On : 21 Aug 2018 10:20
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

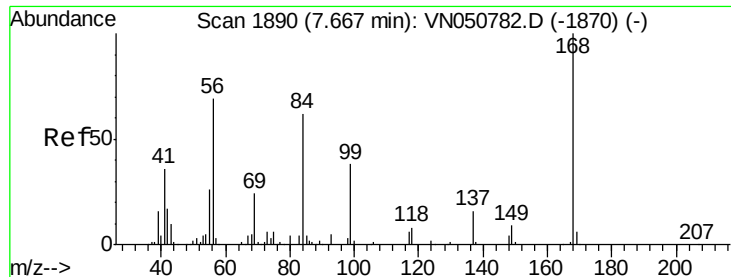
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 600227

Ion Ratio Lower Upper

168 100

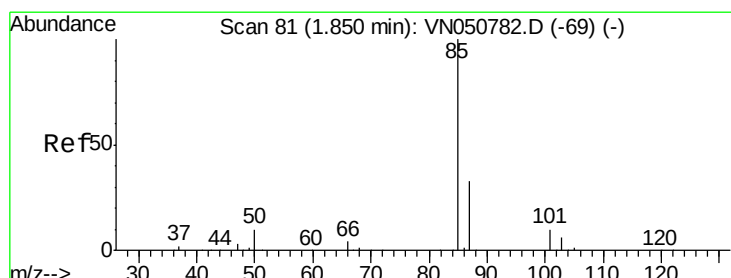
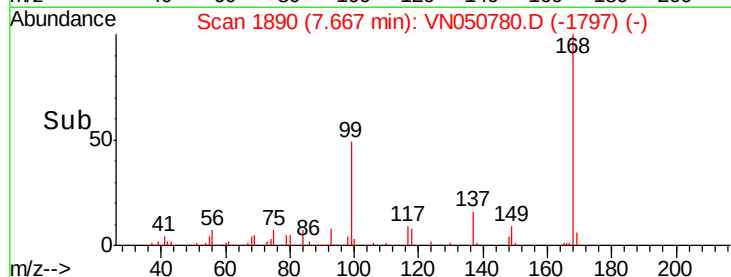
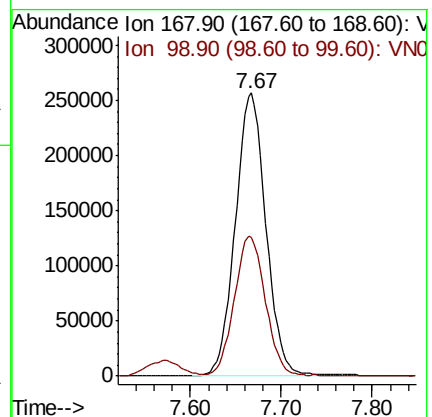
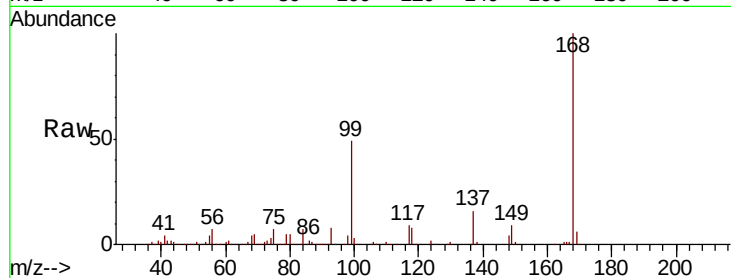
99 48.8 39.6 59.4

Manual Integrations

APPROVED

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#2

Dichlorodifluoromethane

Concen: 4.08 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050780.D

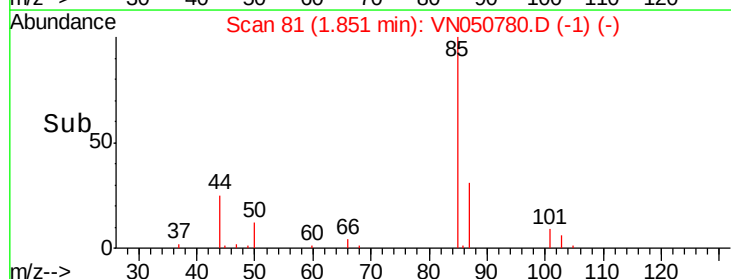
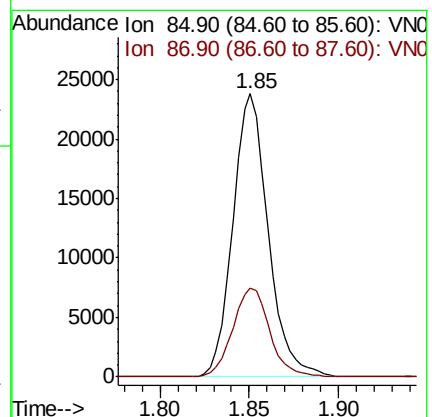
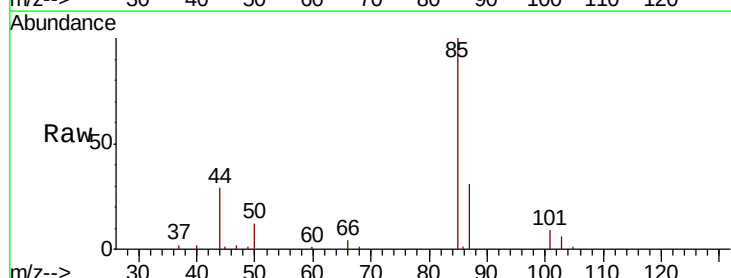
Acq: 21 Aug 2018 10:20

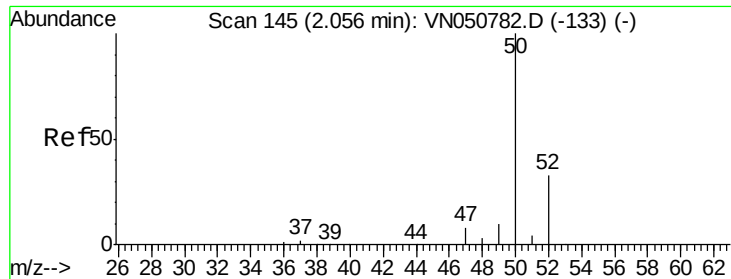
Tgt Ion: 85 Resp: 32793

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.1





#3

Chloromethane

Concen: 4.79 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 47465

Ion Ratio Lower Upper

50 100

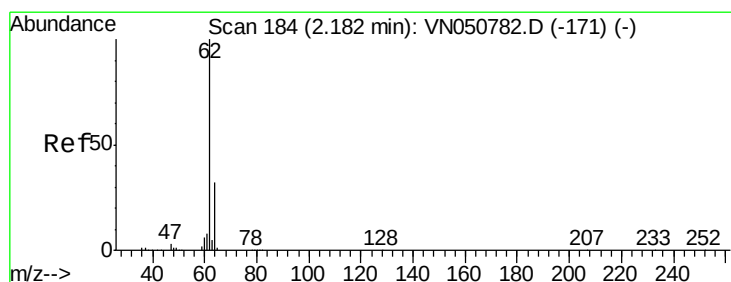
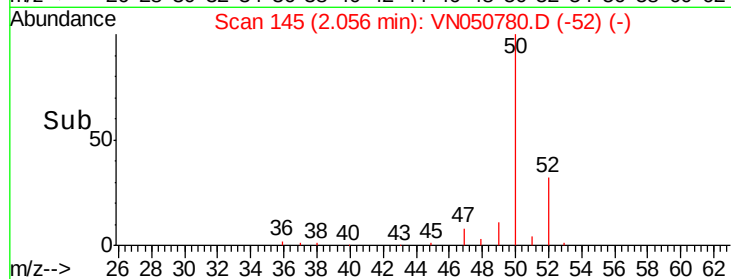
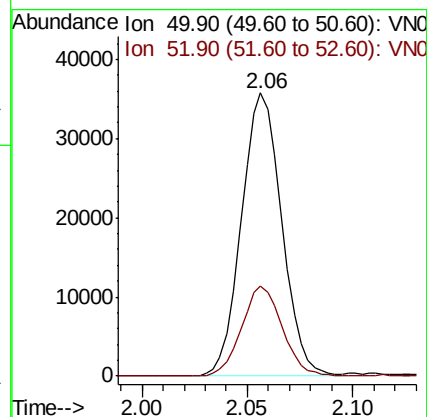
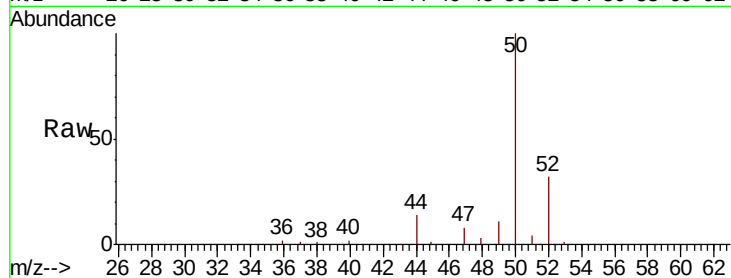
52 31.7 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.76 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050780.D

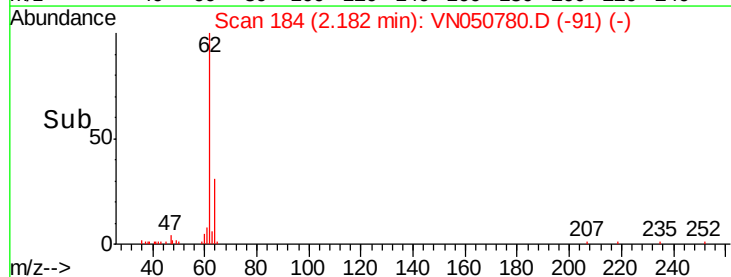
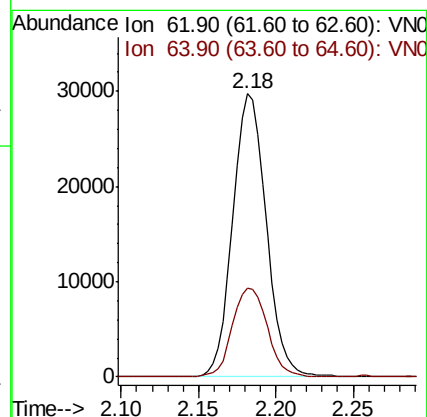
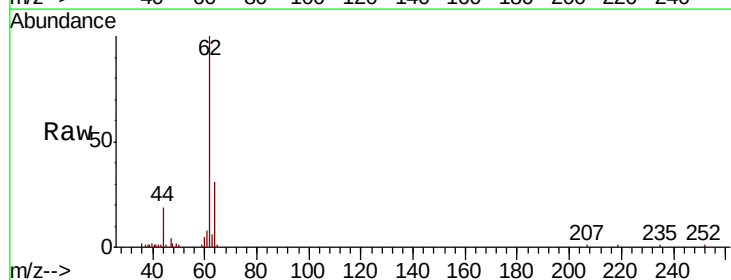
Acq: 21 Aug 2018 10:20

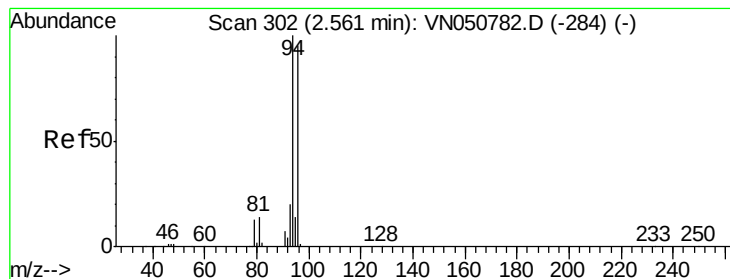
Tgt Ion: 62 Resp: 44654

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2





#5

Bromomethane

Concen: 4.83 ug/l

RT: 2.56 min Scan# 301

Delta R.T. -0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 29152

Ion Ratio Lower Upper

94 100

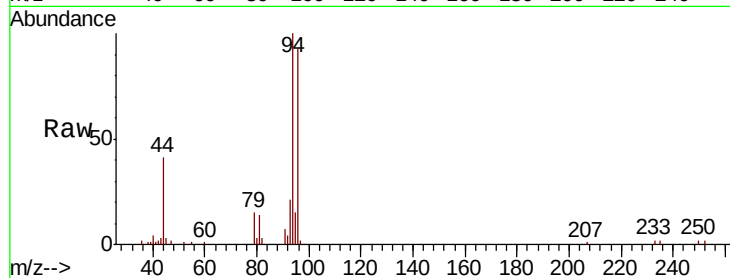
96 93.4 76.2 114.2

Manual Integrations

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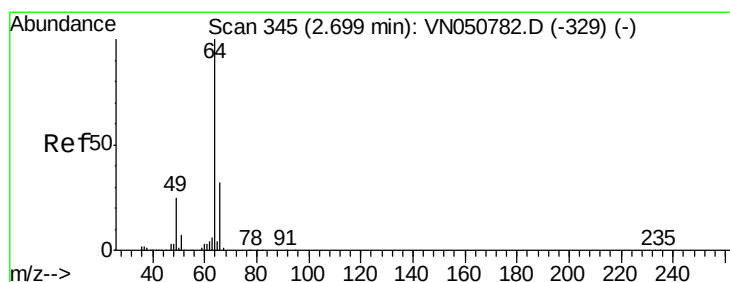
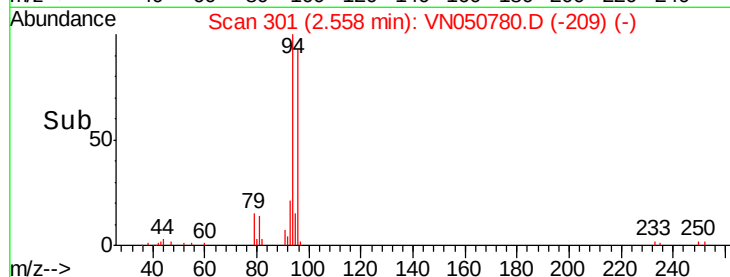
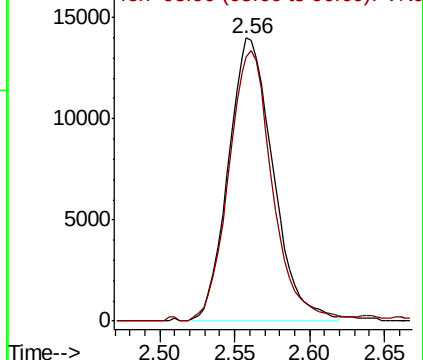
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.11 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050780.D

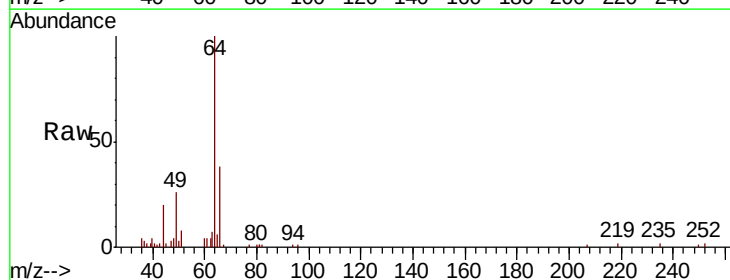
Acq: 21 Aug 2018 10:20

Tgt Ion: 64 Resp: 27730

Ion Ratio Lower Upper

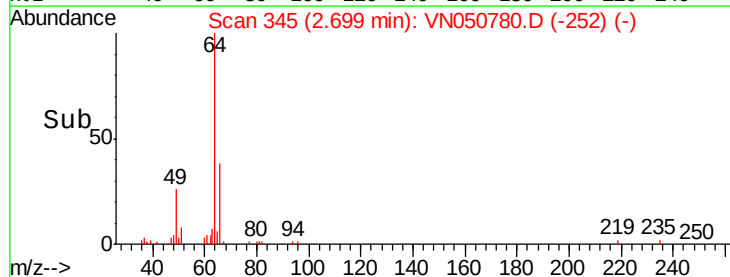
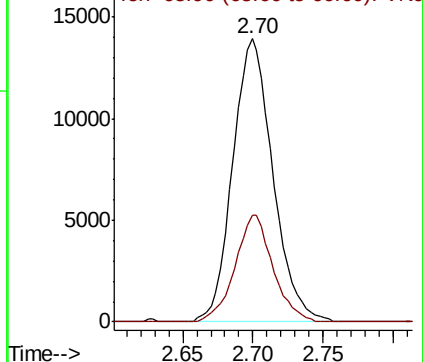
64 100

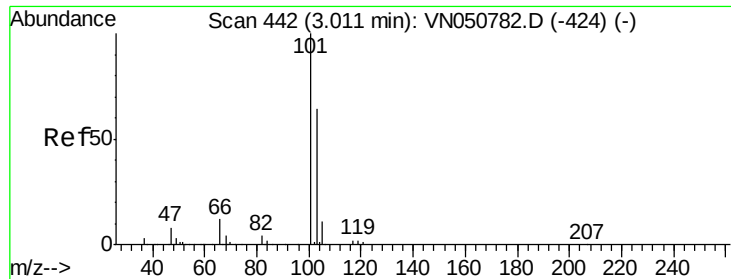
66 37.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

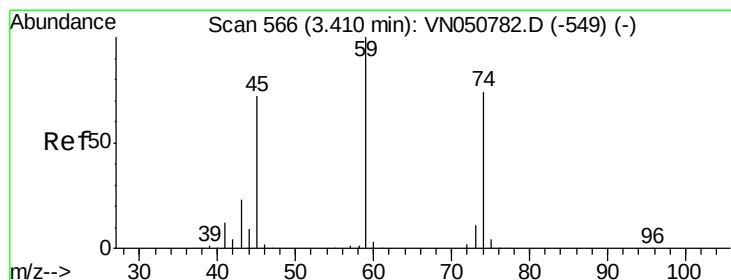
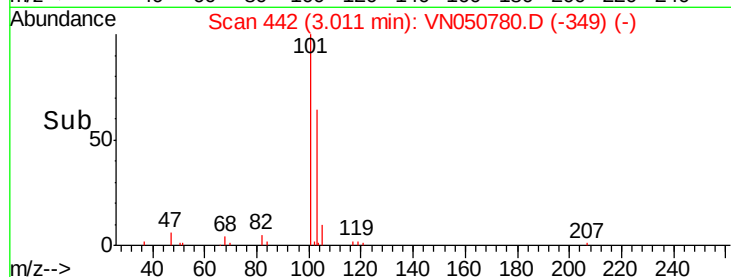
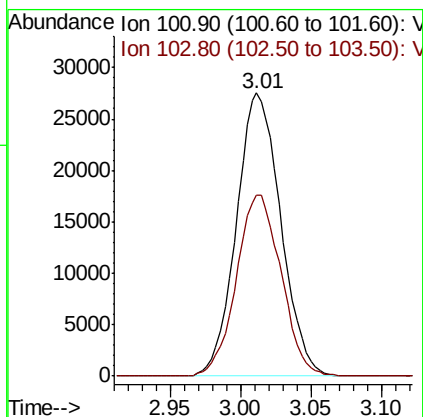
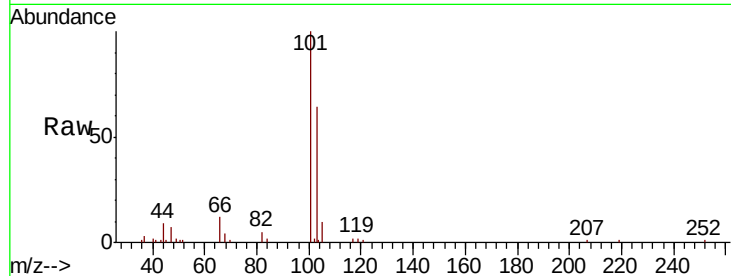
Trichlorofluoromethane
 Concen: 5.03 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.6	77.4

Manual Integrations
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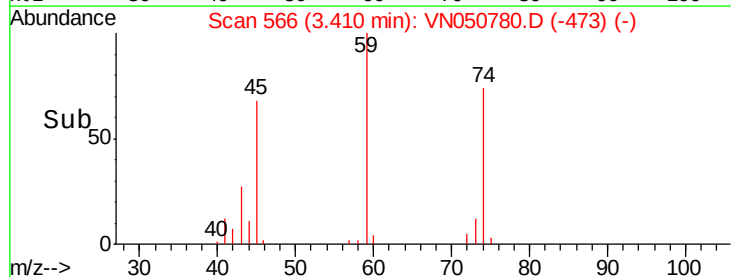
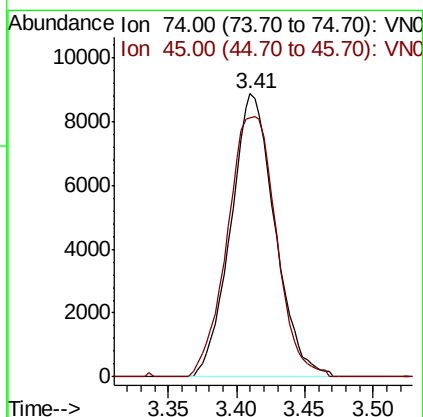
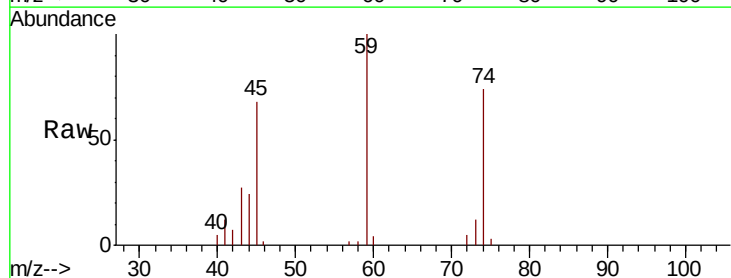
MMDadoda
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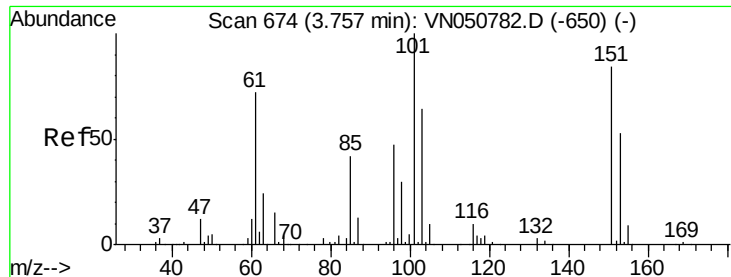


#8

Diethyl Ether
 Concen: 4.88 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.8	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.98 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

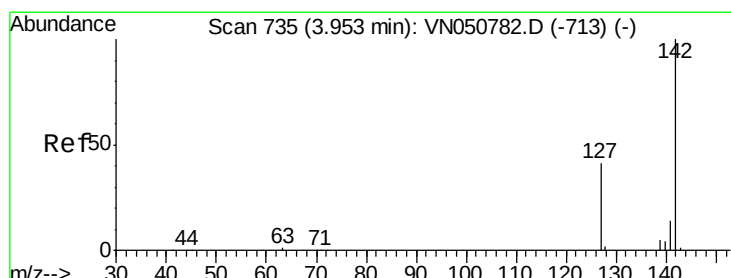
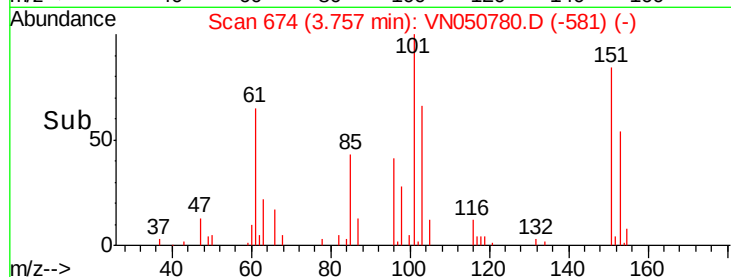
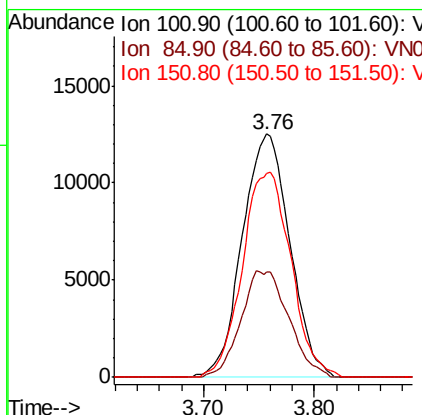
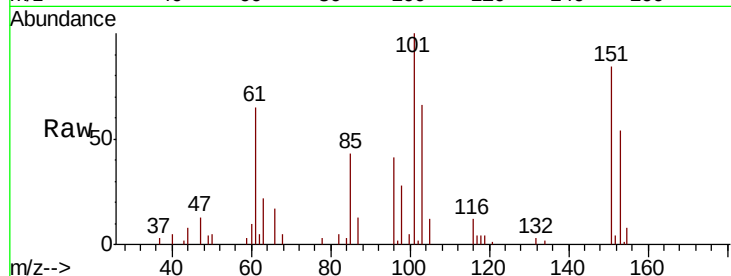
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.7	33.7	50.5
151	86.1	67.4	101.2

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#10

Methyl Iodide

Concen: 3.75 ug/l

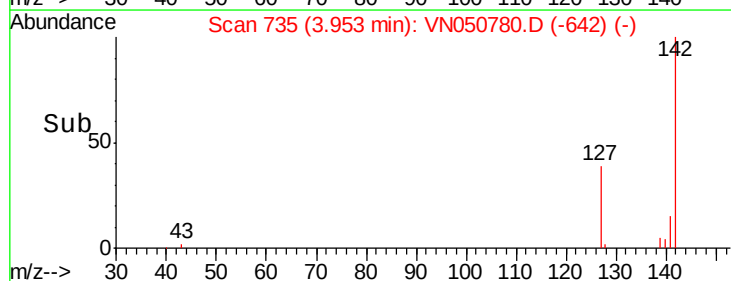
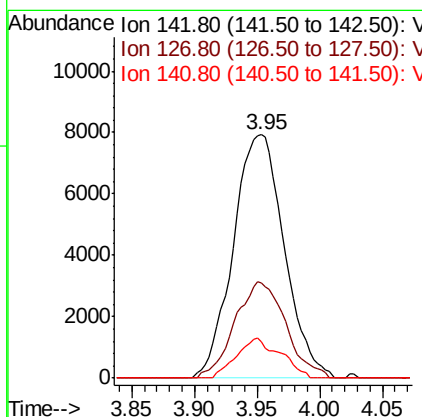
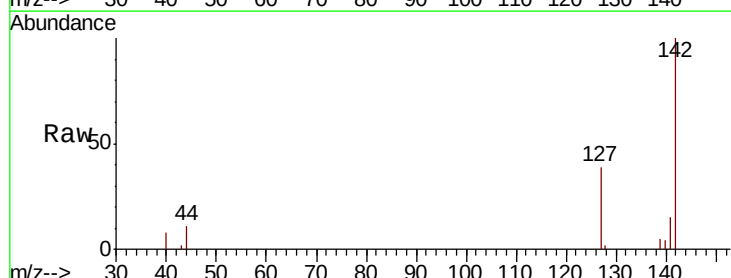
RT: 3.95 min Scan# 735

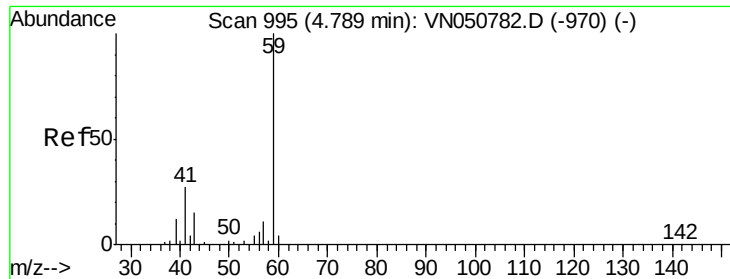
Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.6	31.7	47.5
141	14.1	11.4	17.0





#11

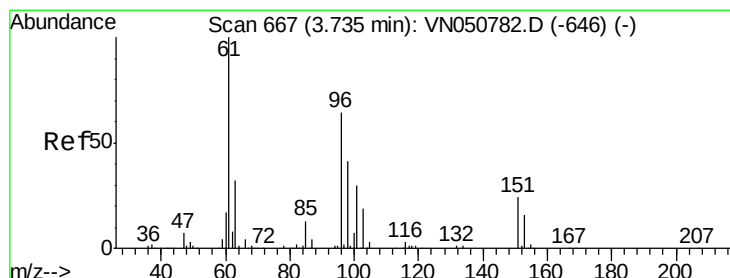
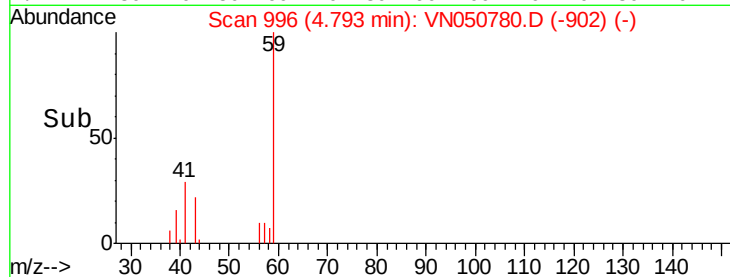
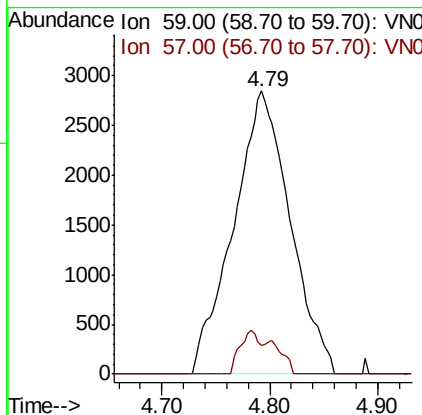
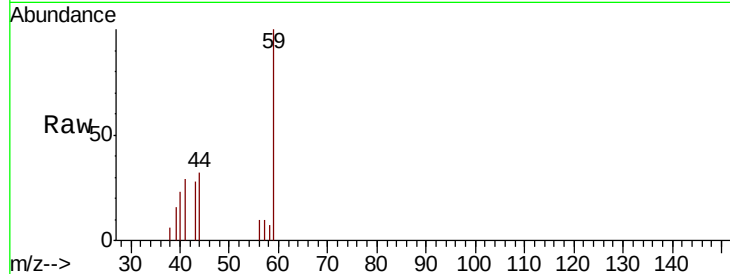
Tert butyl alcohol
Concen: 22.59 ug/l
RT: 4.79 min Scan# 996
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.3	12.5#

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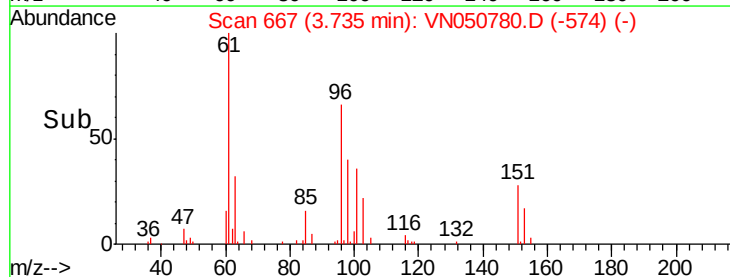
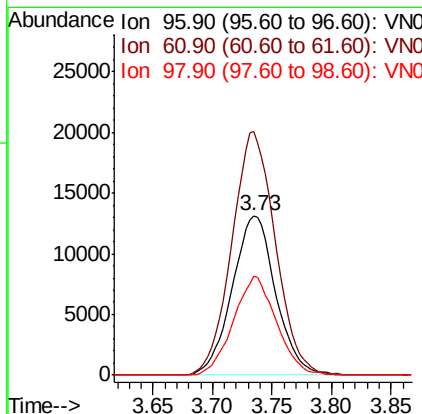
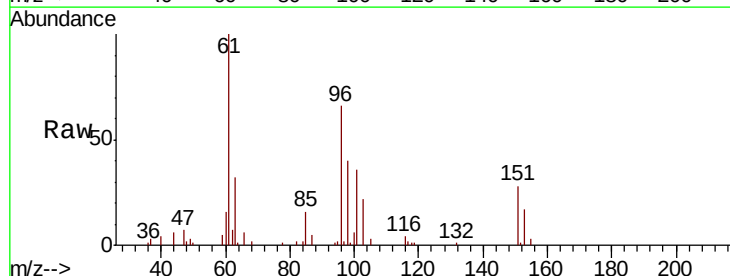
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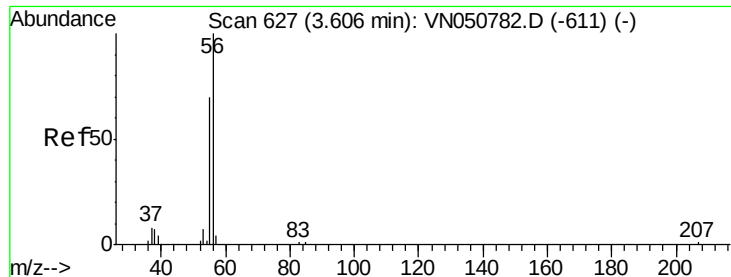


#12

1,1-Dichloroethene
Concen: 4.92 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.6	124.9	187.3
98	61.6	51.1	76.7





#13

Acrolein

Concen: 35.66 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 8962

Ion Ratio Lower Upper

56 100

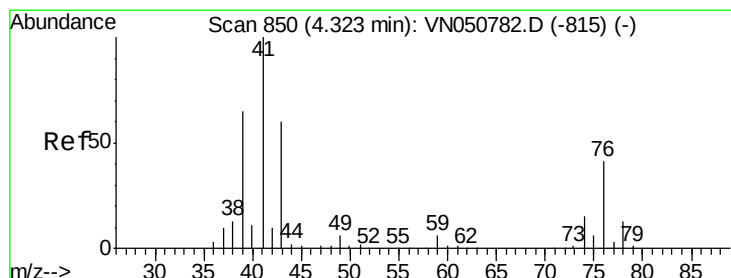
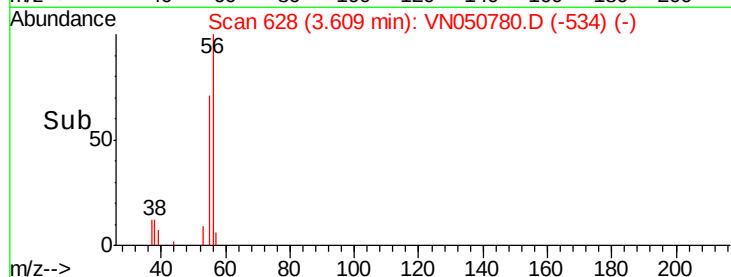
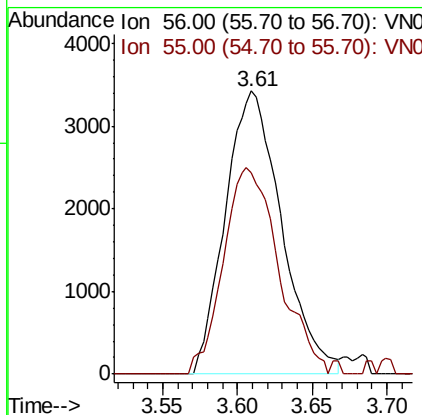
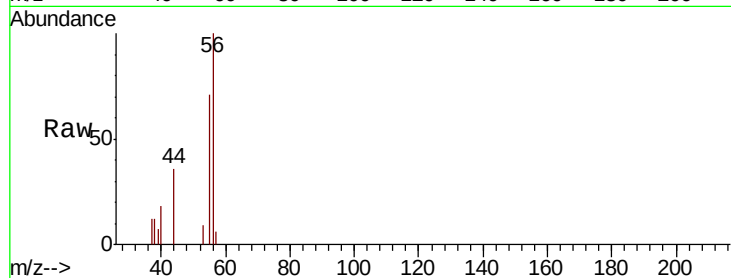
55 71.8 57.7 86.5

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#14

Allyl chloride

Concen: 4.64 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

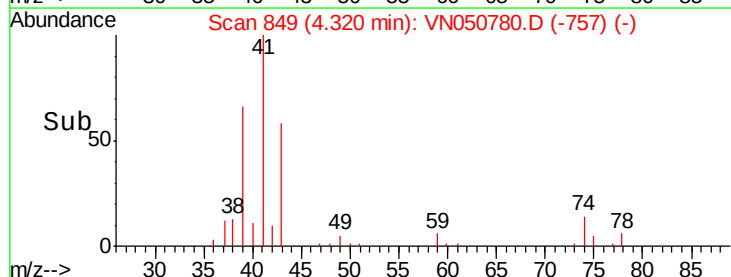
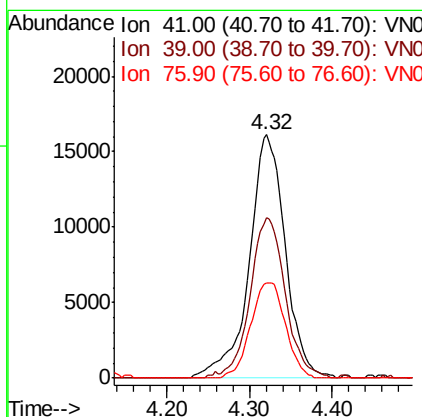
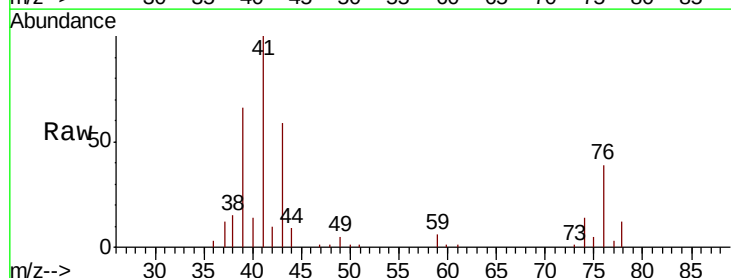
Tgt Ion: 41 Resp: 48692

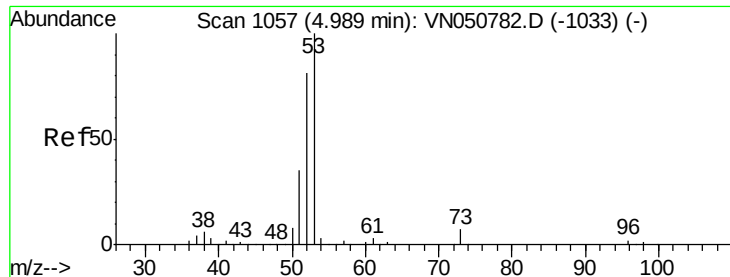
Ion Ratio Lower Upper

41 100

39 63.9 50.2 75.2

76 37.7 29.8 44.8





#15

Acrylonitrile

Concen: 24.68 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

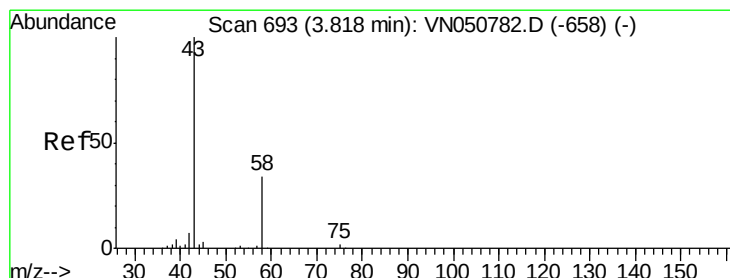
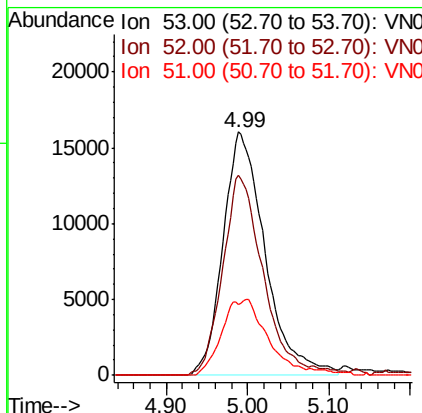
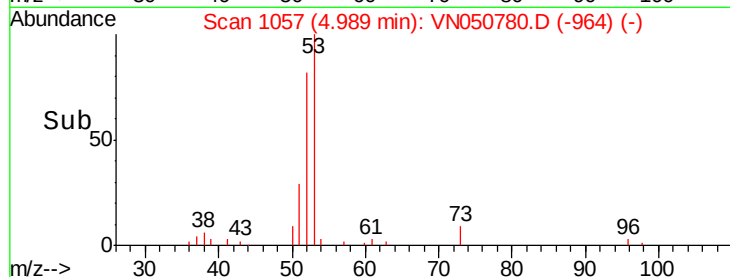
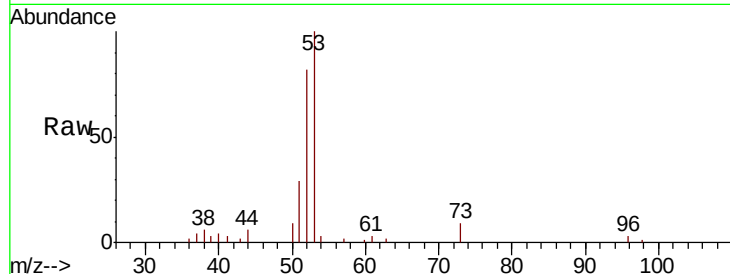
ClientSampled :

VSTDIC005

Tot Ion:	53	Resp:	57723
Ion	Ratio	Lower	Upper
53	100		
52	77.9	65.9	98.9
51	13.5	28.6	43.0#

Manual Integrations
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#16

Acetone

Concen: 30.37 ug/l

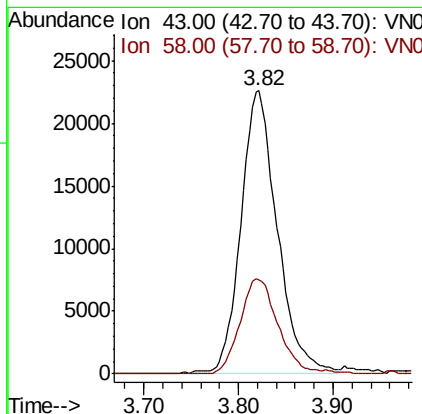
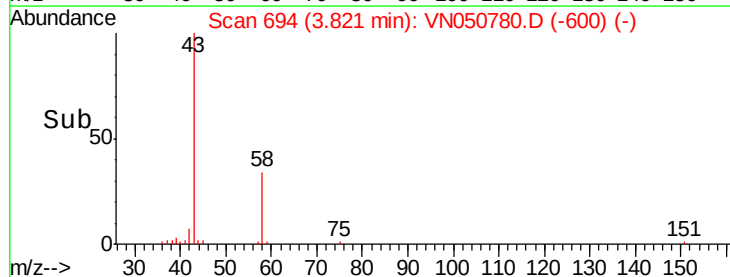
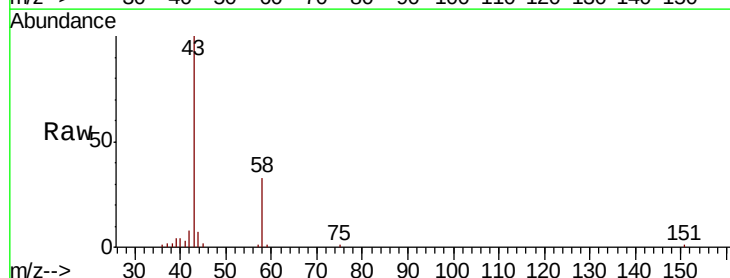
RT: 3.82 min Scan# 694

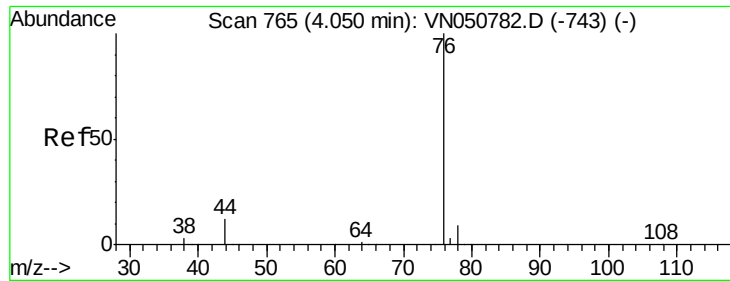
Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	43	Resp:	60509
Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.2	40.8





#17

Carbon Disulfide

Concen: 4.45 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 100566

Ion Ratio Lower Upper

76 100

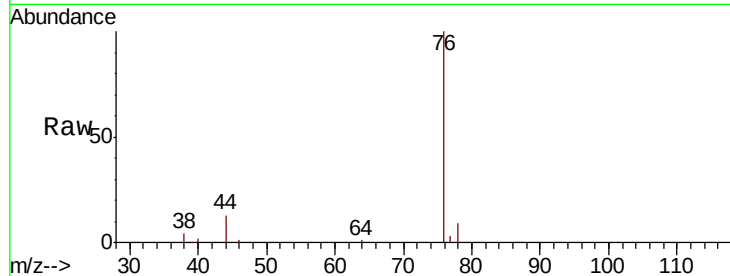
78 9.3 7.3 10.9

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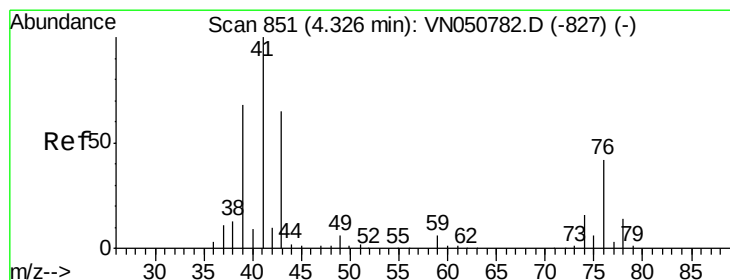
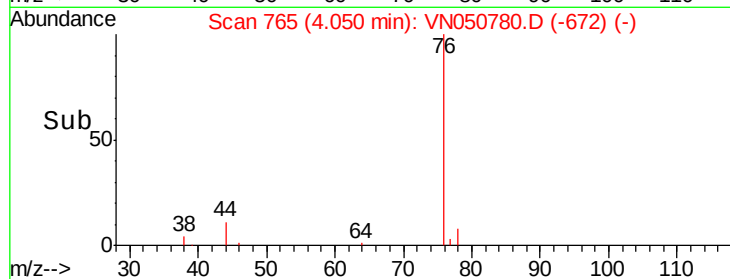
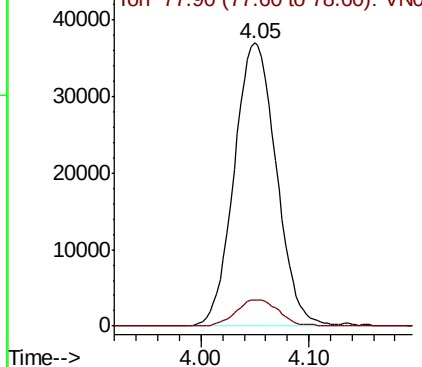
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 4.84 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050780.D

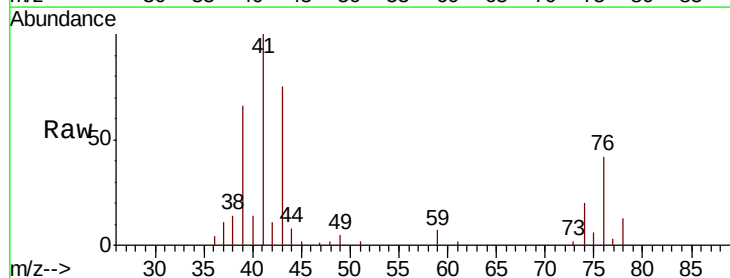
Acq: 21 Aug 2018 10:20

Tgt Ion: 43 Resp: 33282

Ion Ratio Lower Upper

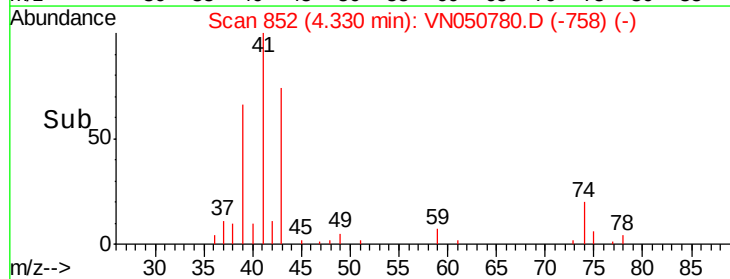
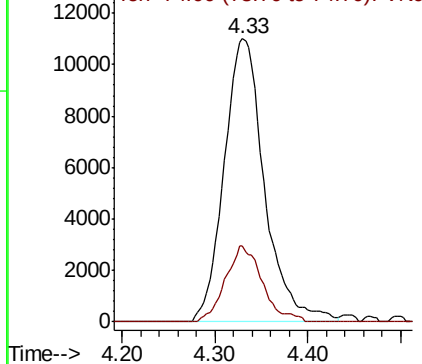
43 100

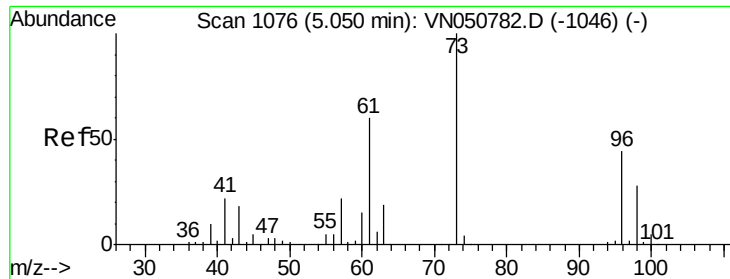
74 24.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





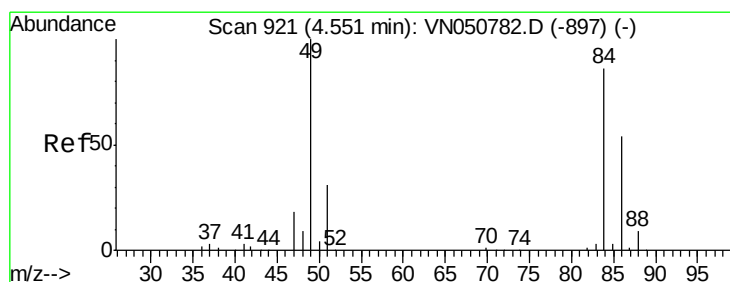
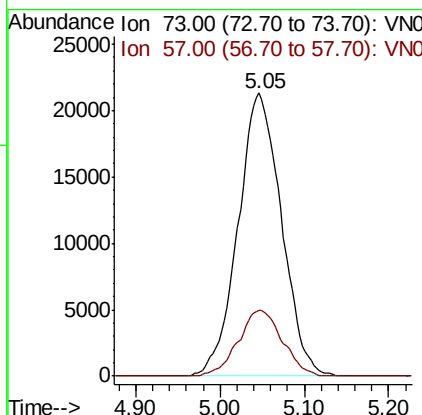
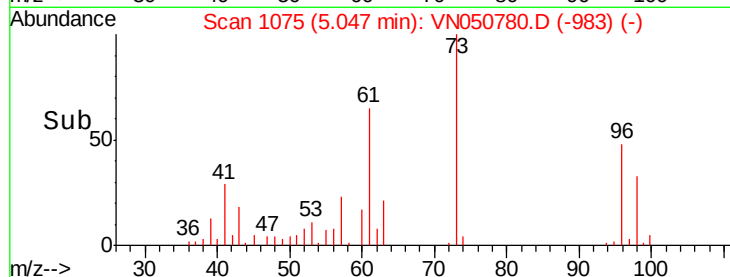
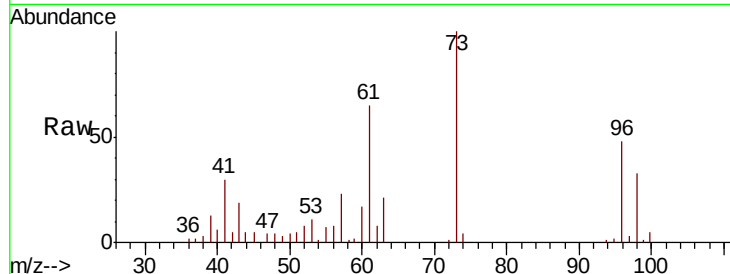
#19
Methyl tert-butyl Ether
Concen: 4.49 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 76138
Ion Ratio Lower Upper
73 100
57 23.5 17.8 26.8

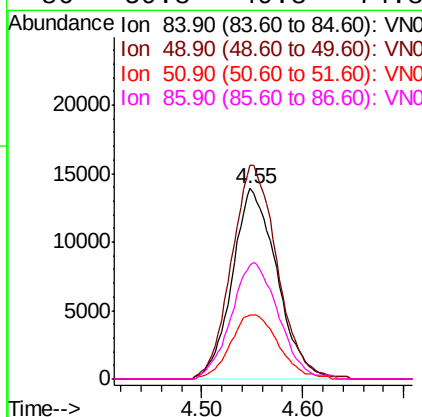
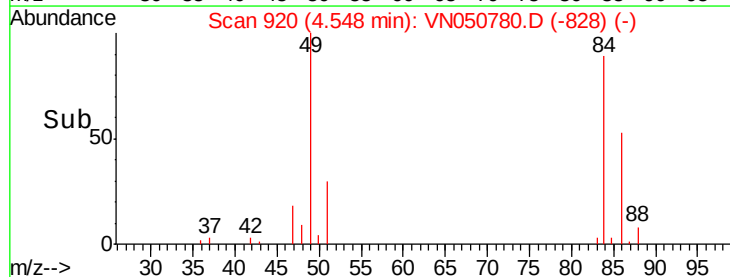
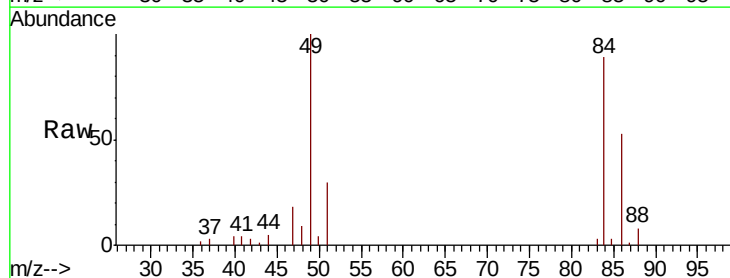
Manual Integrations
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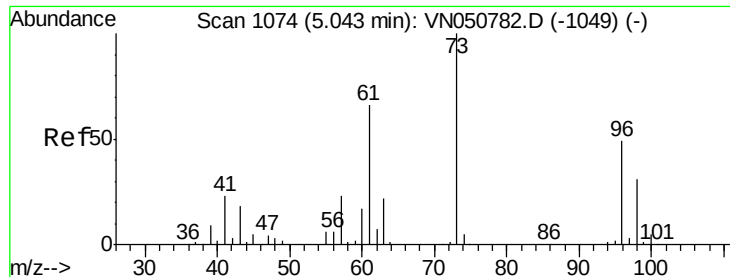
MMDadoda
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#20
Methylene Chloride
Concen: 5.25 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Tgt Ion: 84 Resp: 42786
Ion Ratio Lower Upper
84 100
49 112.2 93.2 139.8
51 33.4 29.0 43.6
86 59.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 4.76 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

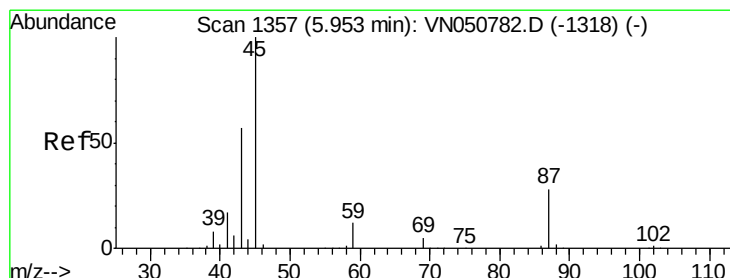
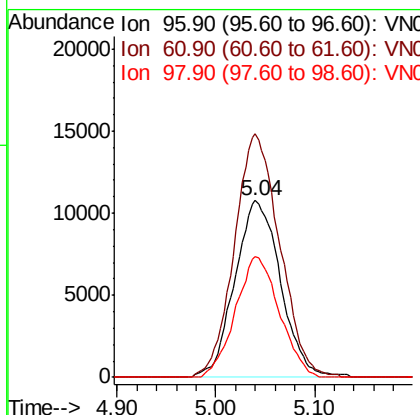
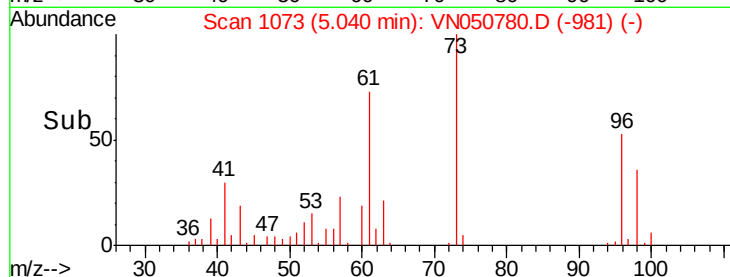
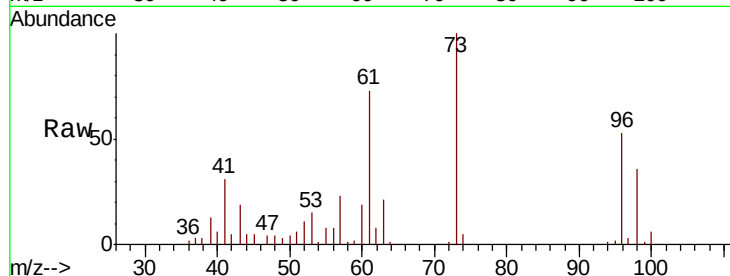
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	34551
Ion	Ratio	Lower	Upper
96	100		
61	137.9	107.4	161.0
98	68.4	50.7	76.1

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#22

Diisopropyl ether

Concen: 4.76 ug/l

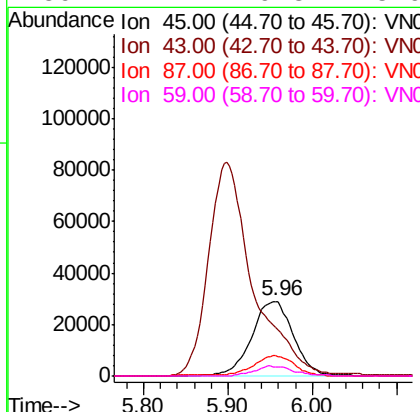
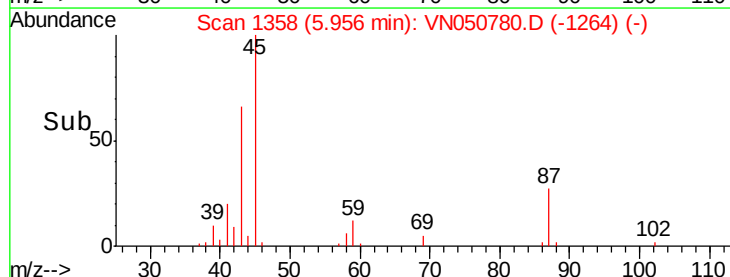
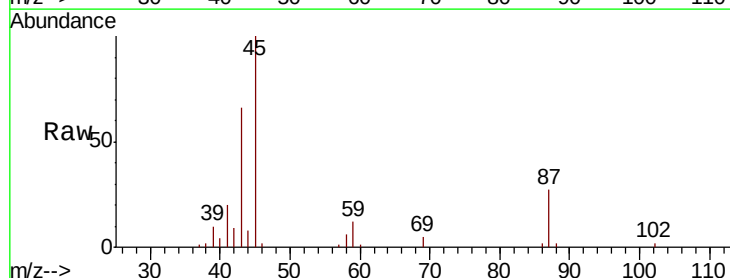
RT: 5.96 min Scan# 1358

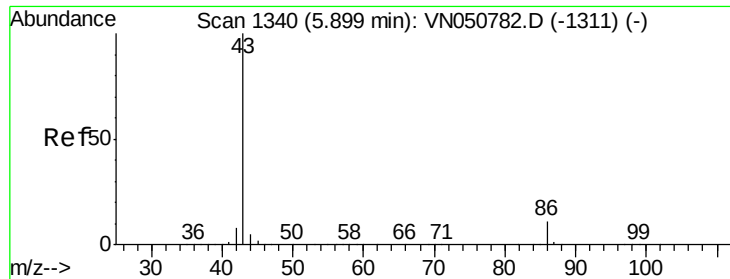
Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	45	Resp:	99656
Ion	Ratio	Lower	Upper
45	100		
43	62.6	45.9	68.9
87	27.3	22.7	34.1
59	12.2	9.3	13.9





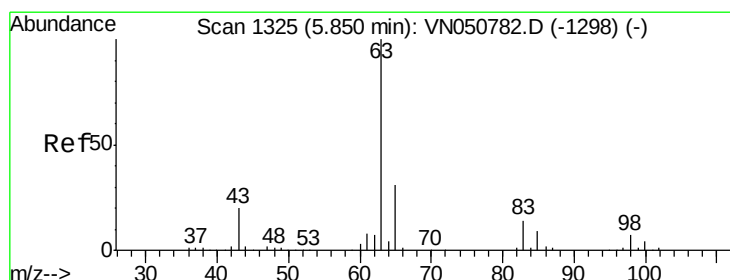
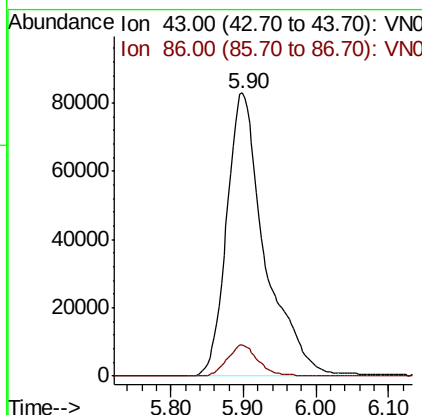
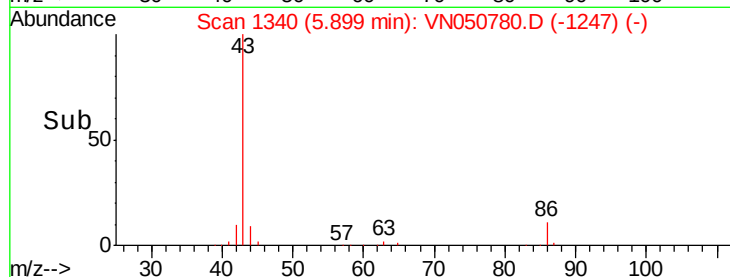
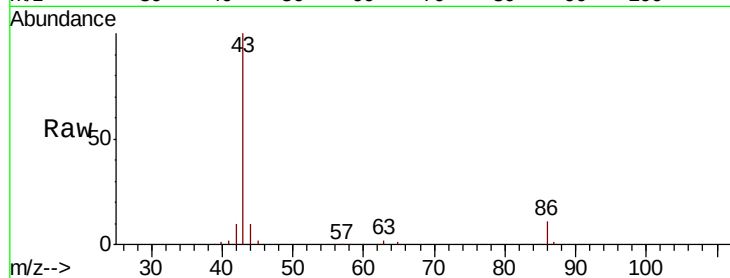
#23
 Vinyl Acetate
 Concen: 22.57 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	304324
Ion Ratio	100	Lower	Upper
43	100		
86	10.9	8.7	13.1

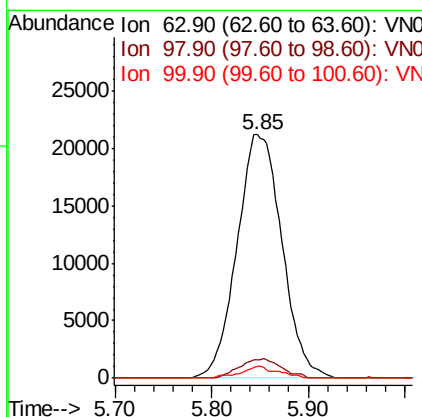
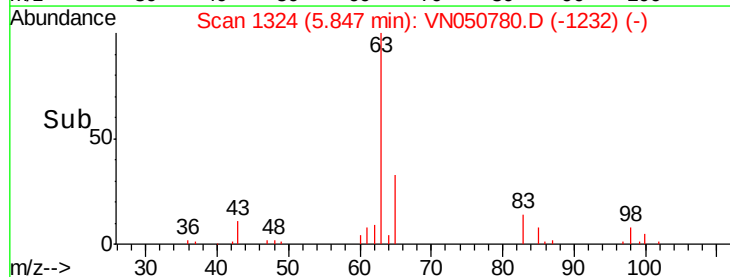
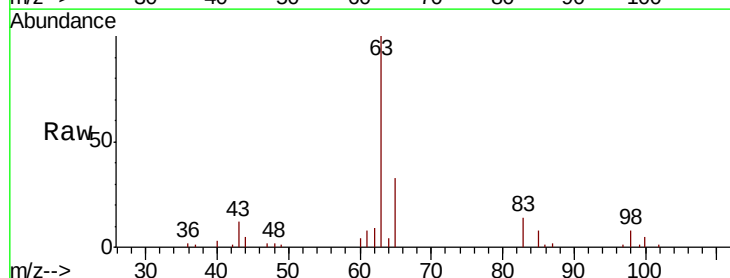
Manual Integrations
 APPROVED

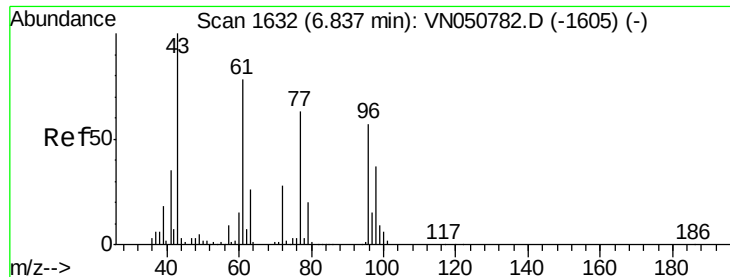
MMDadoda
 8/22/2018 11:18:43 AM



#24
 1,1-Dichloroethane
 Concen: 5.09 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Tgt Ion	63	Resp	68413
Ion Ratio	100	Lower	Upper
63	100		
98	7.6	3.3	9.8
100	4.7	2.1	6.5





#25

2-Butanone

Concen: 29.25 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 85171

Ion Ratio Lower Upper

43 100

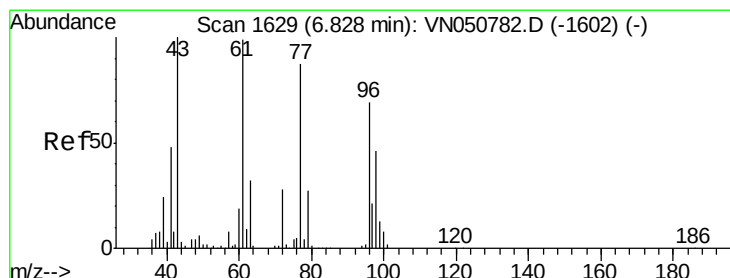
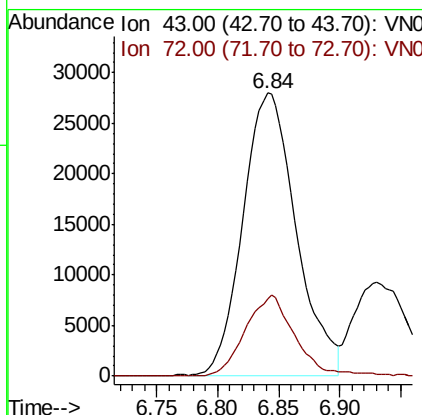
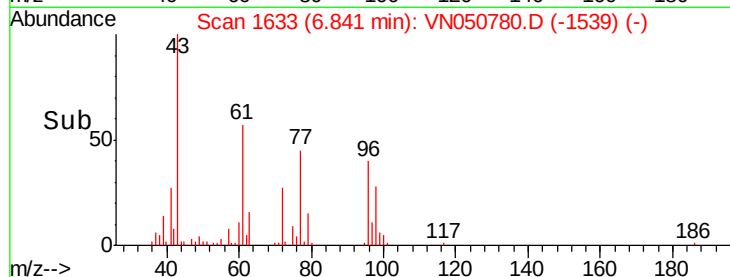
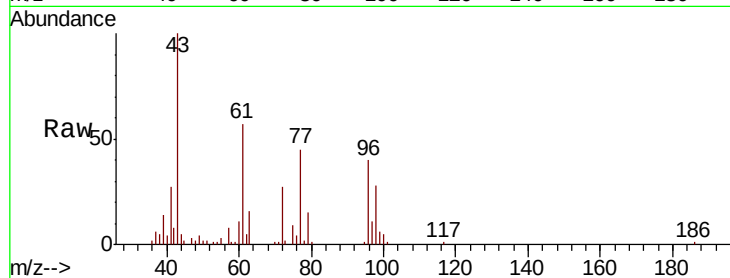
72 27.3 22.3 33.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.99 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050780.D

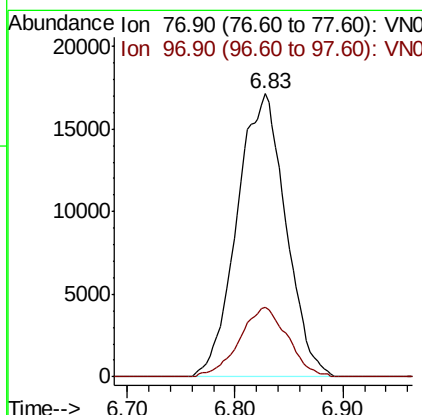
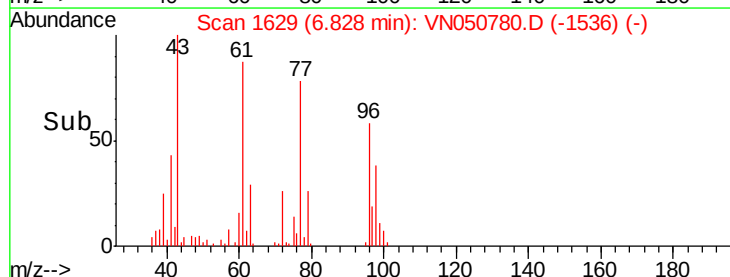
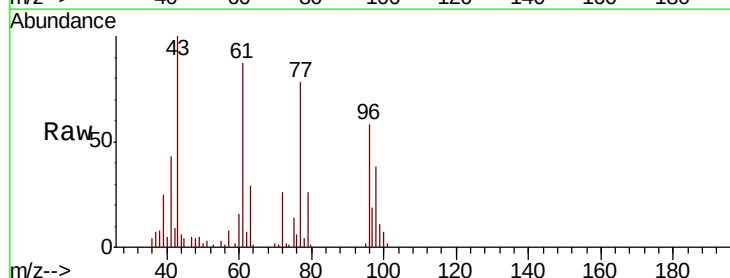
Acq: 21 Aug 2018 10:20

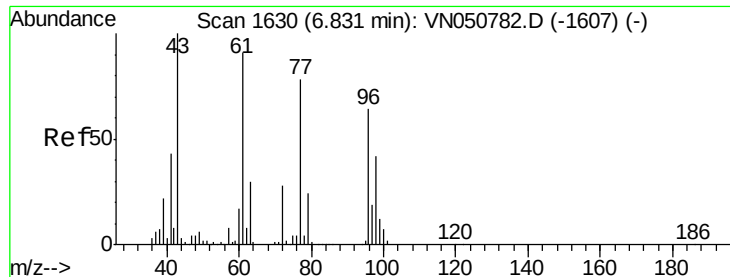
Tgt Ion: 77 Resp: 53892

Ion Ratio Lower Upper

77 100

97 24.3 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 4.86 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

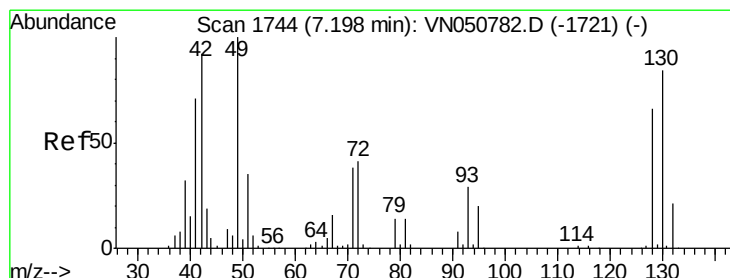
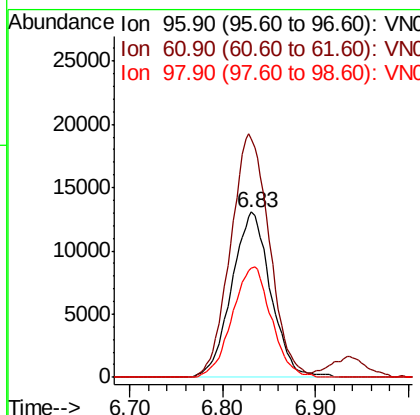
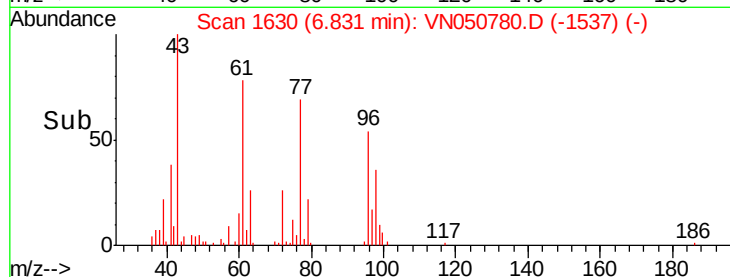
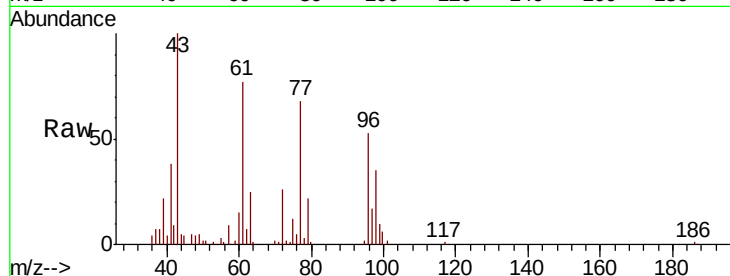
ClientSampled :

VSTDIC005

Tot Ion:	96	Resp:	38224
Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	283.4
98	66.6	0.0	129.8

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#28

Bromochloromethane

Concen: 5.49 ug/l

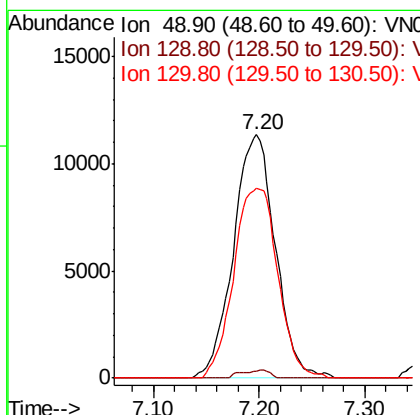
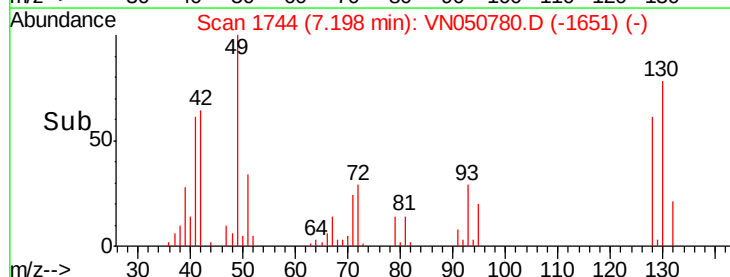
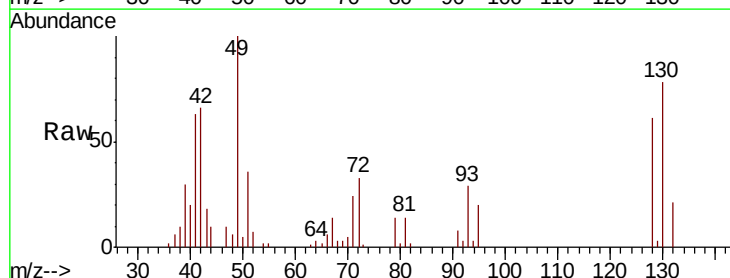
RT: 7.20 min Scan# 1744

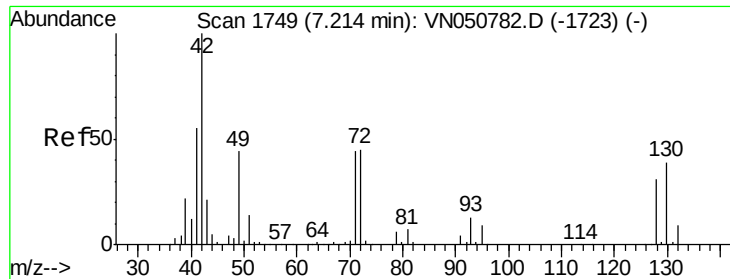
Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	49	Resp:	31328
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.2
130	82.2	67.1	100.7





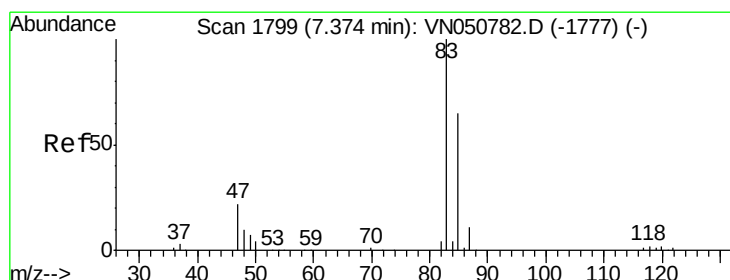
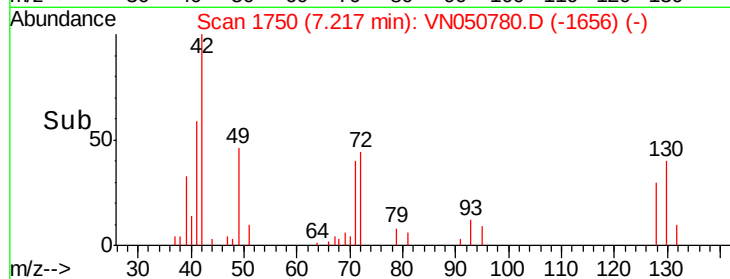
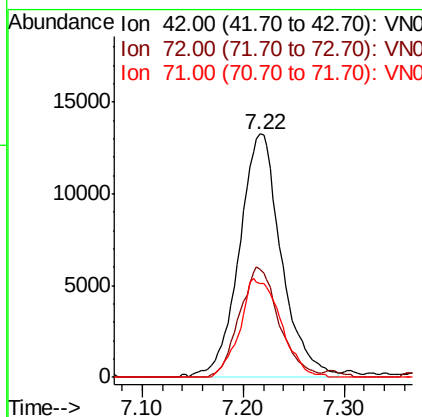
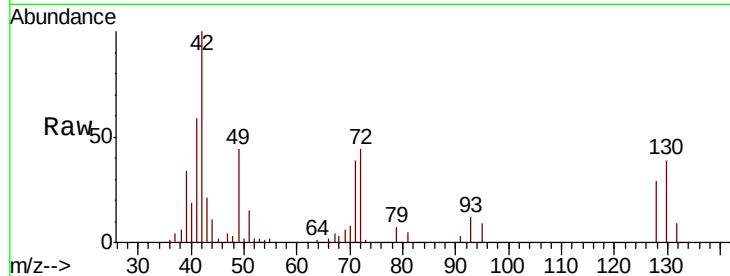
#29
Tetrahydrofuran
Concen: 22.97 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	35.5	53.3
71	39.4	33.7	50.5

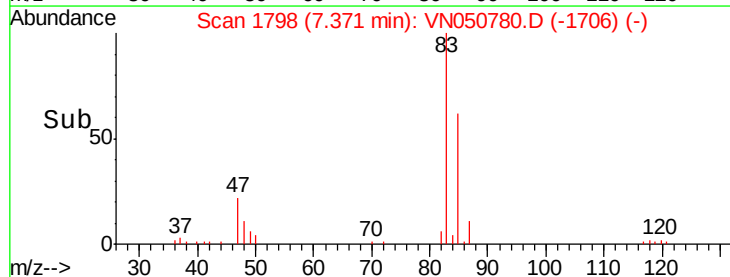
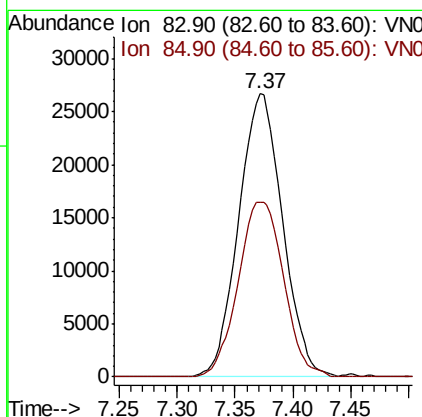
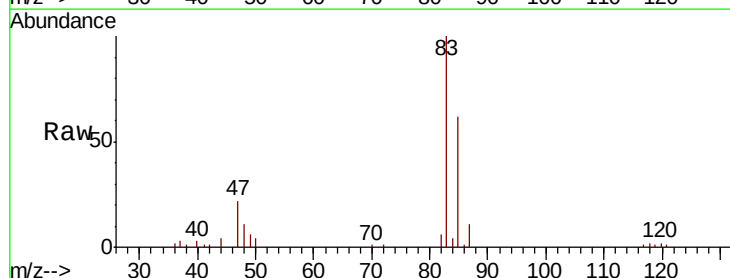
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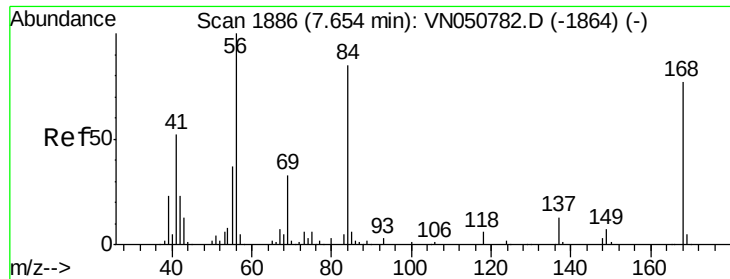
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#30
Chloroform
Concen: 5.29 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.2	78.4





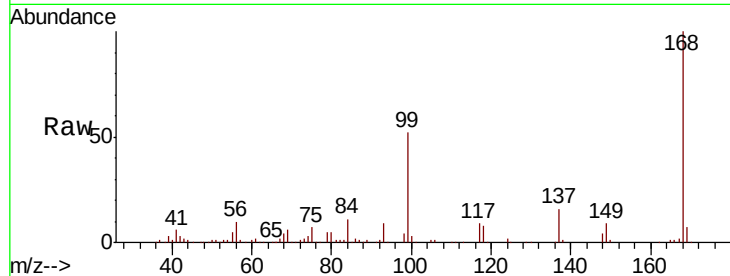
#31
Cyclohexane
Concen: 4.42 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

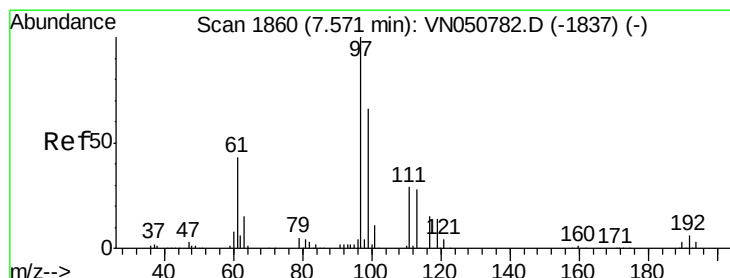
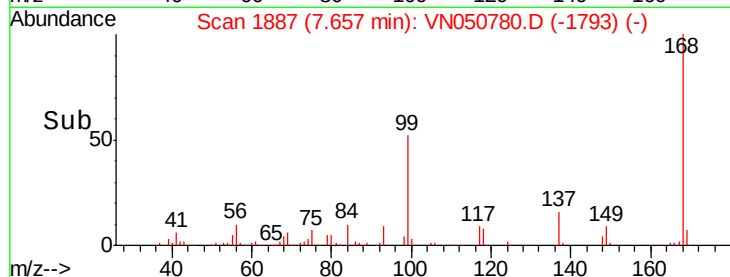
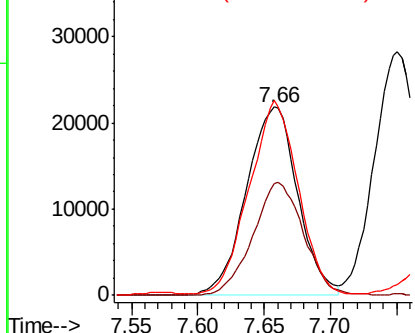
Tot Ion	Ratio	Lower	Upper
56	100		
69	59.7	26.2	39.4#
84	103.0	68.3	102.5#

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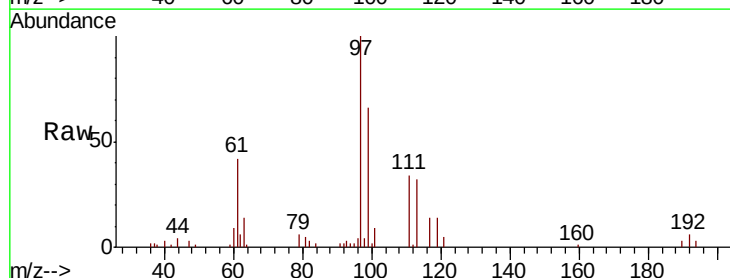


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

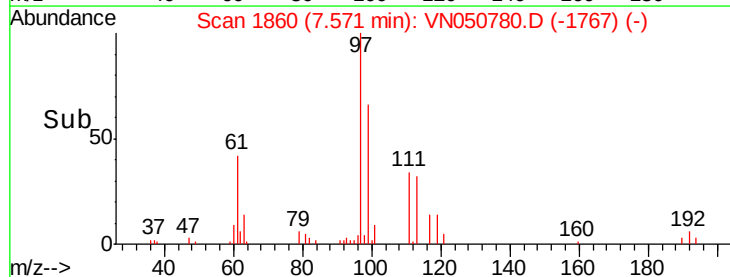
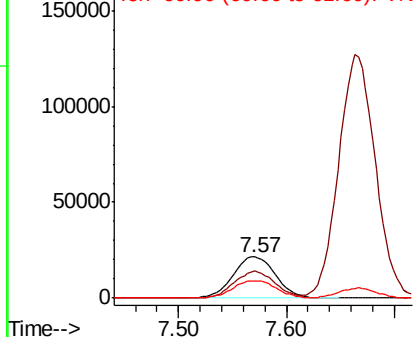


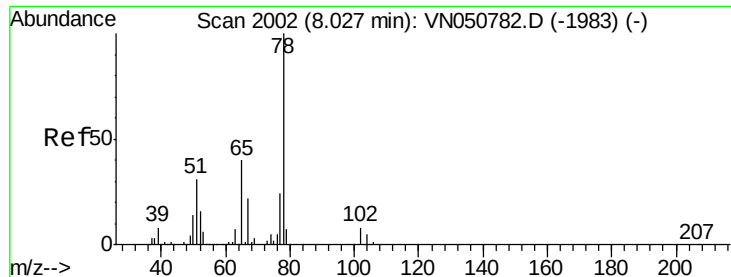
#32
1,1,1-Trichloroethane
Concen: 5.16 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.8	77.6
61	43.7	34.9	52.3



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





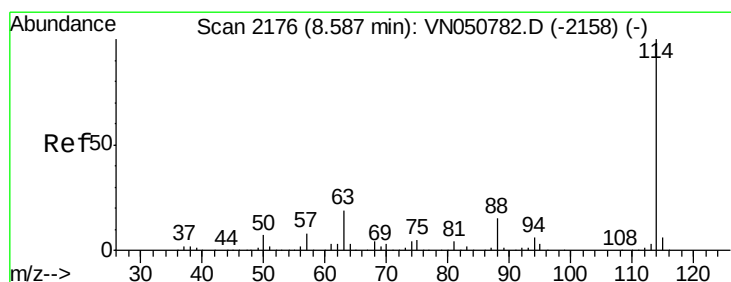
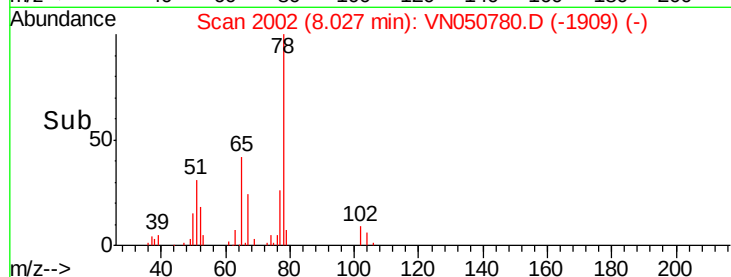
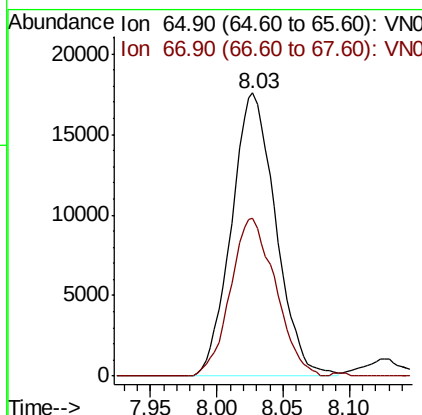
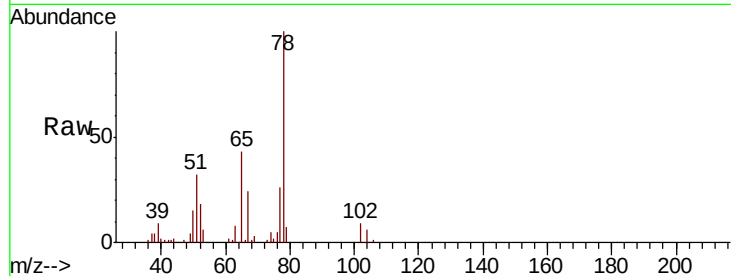
#33
 1,2-Dichloroethane-d4
 Concen: 5.65 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	40857		
67	56.7		0.0	110.4

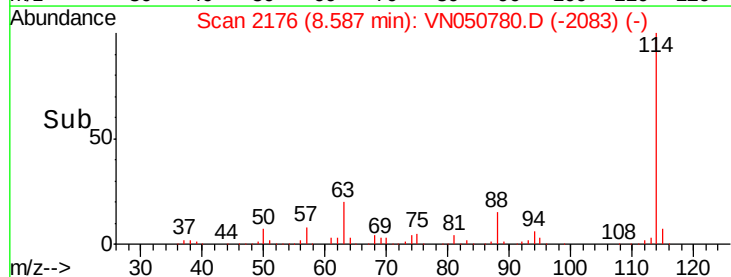
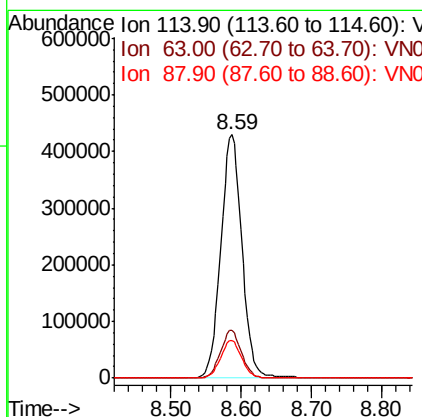
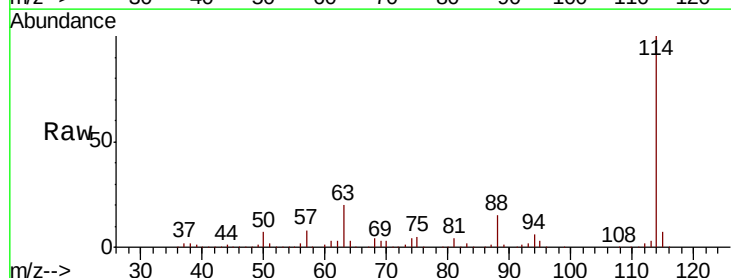
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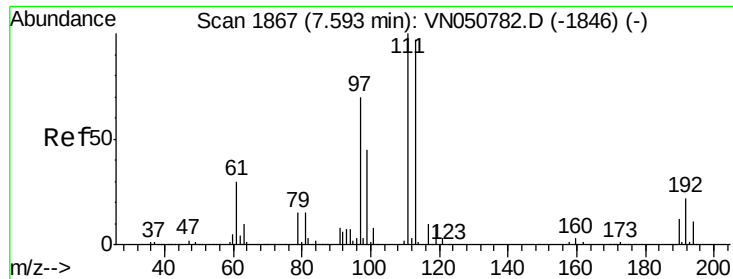
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	899617		
63	19.8		0.0	38.6
88	15.5		0.0	30.6





#35

Dibromofluoromethane

Concen: 5.32 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

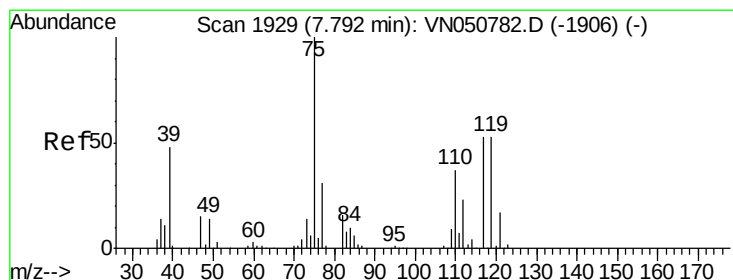
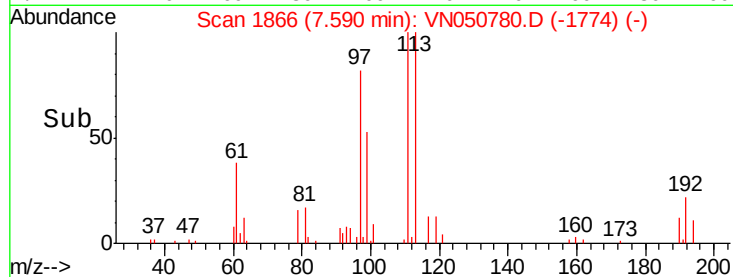
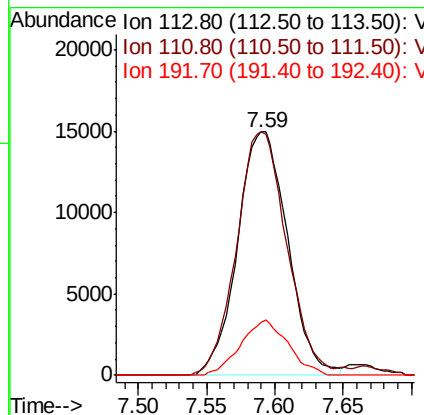
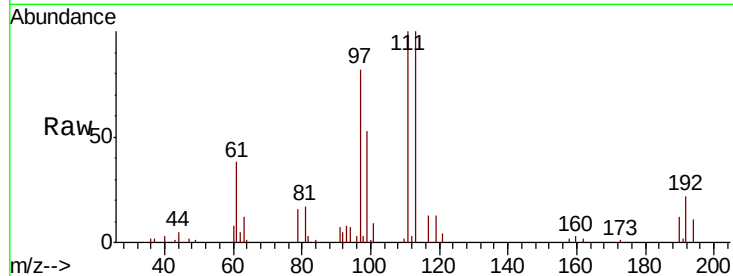
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	38051
Ion Ratio	Lower	Upper	
113	100		
111	100.2	82.6	123.8
192	21.5	18.0	27.0

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#36

1,1-Dichloropropene

Concen: 4.60 ug/l

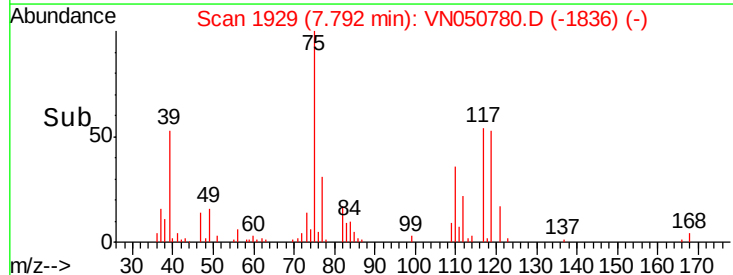
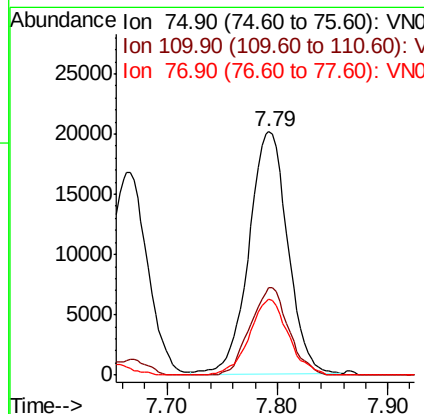
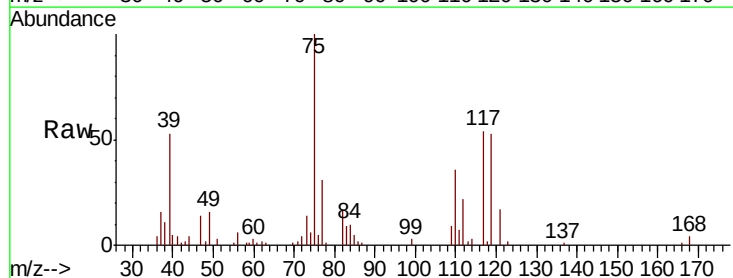
RT: 7.79 min Scan# 1929

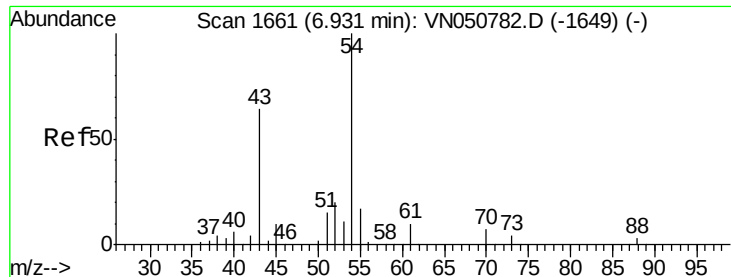
Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	75	Resp:	48790
Ion Ratio	Lower	Upper	
75	100		
110	35.8	18.1	54.4
77	31.5	24.8	37.2





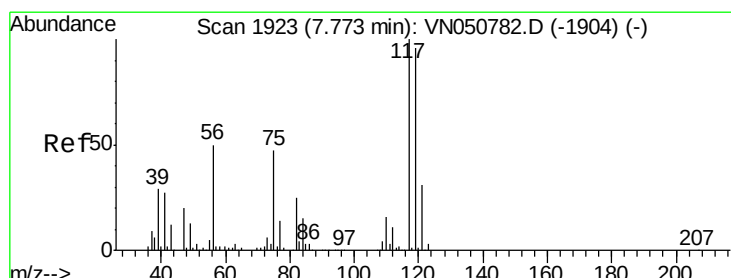
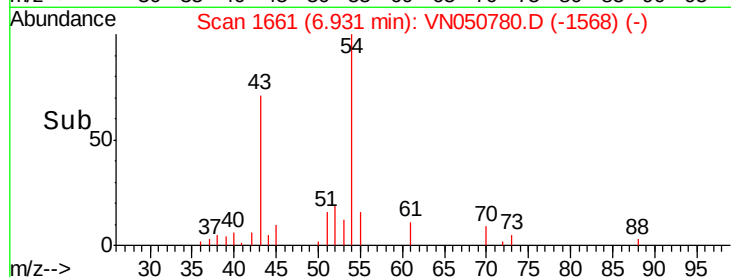
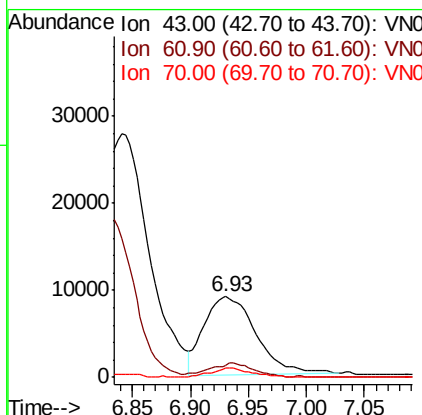
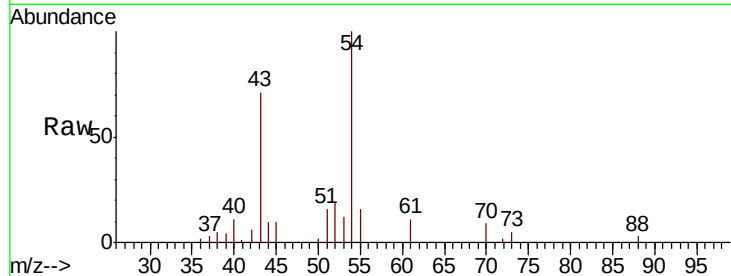
#37
Ethyl Acetate
Concen: 4.84 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.0	18.0
70	9.3	8.6	13.0

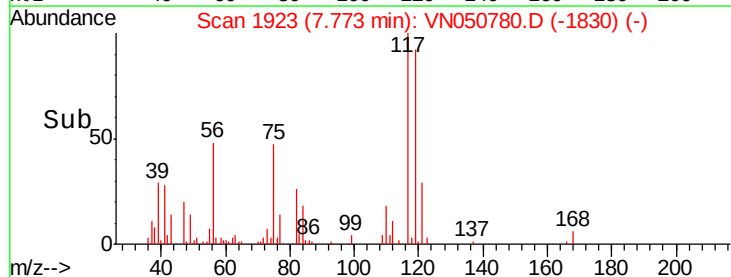
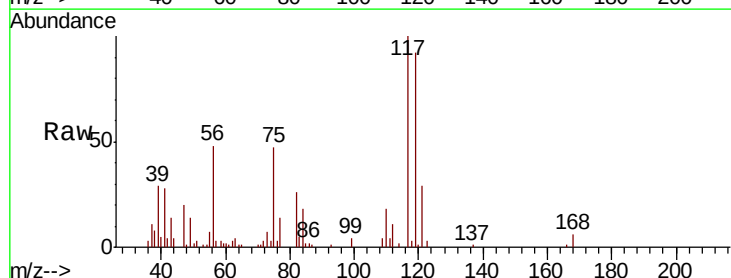
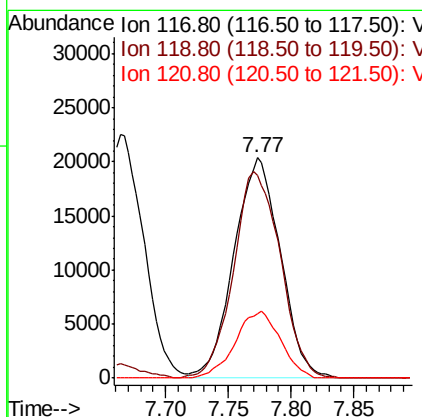
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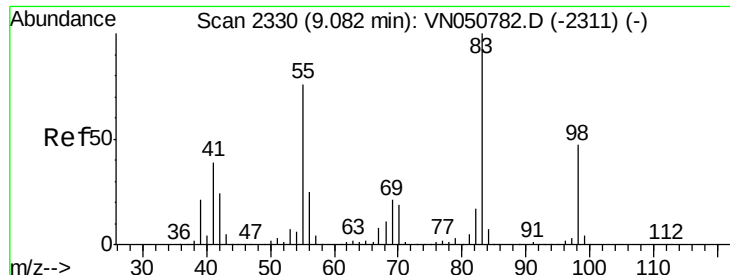
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#38
Carbon Tetrachloride
Concen: 4.88 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	76.3	114.5
121	29.3	24.6	36.8





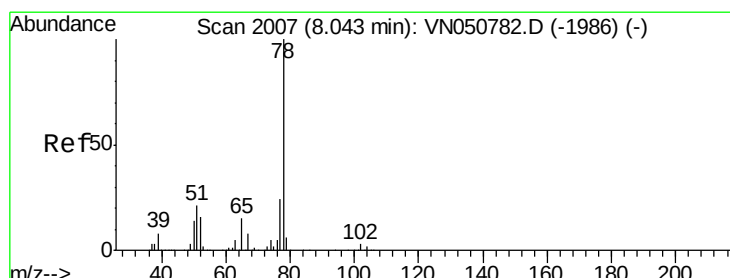
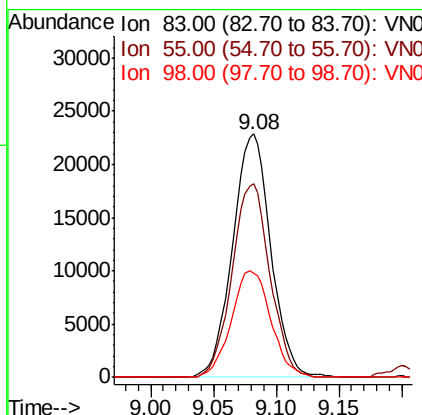
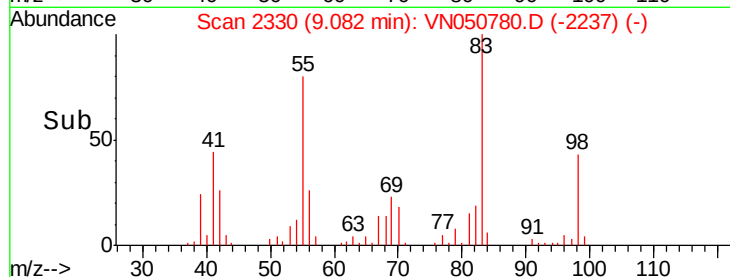
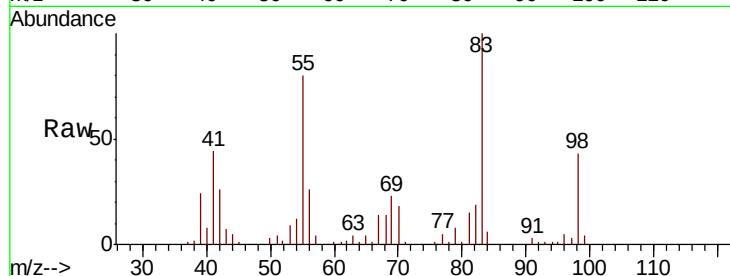
#39
Methylvlcyclohexane
Concen: 4.23 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	48536
Ion Ratio	100	Lower	Upper
83	100		
55	79.5	61.0	91.4
98	42.9	37.5	56.3

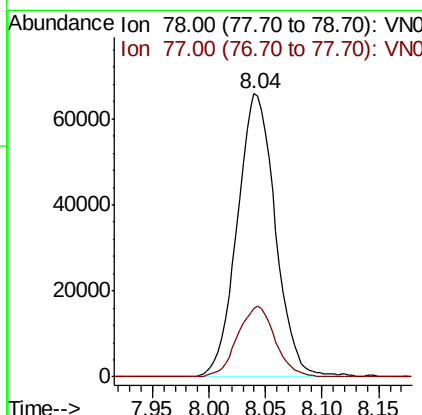
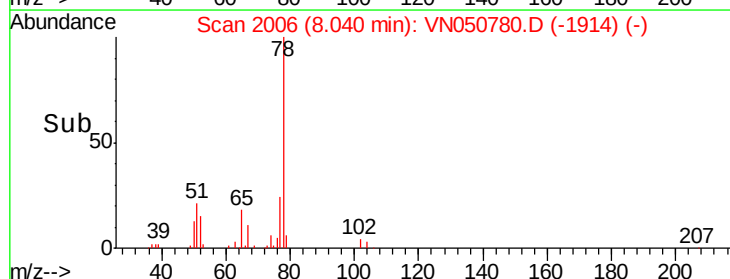
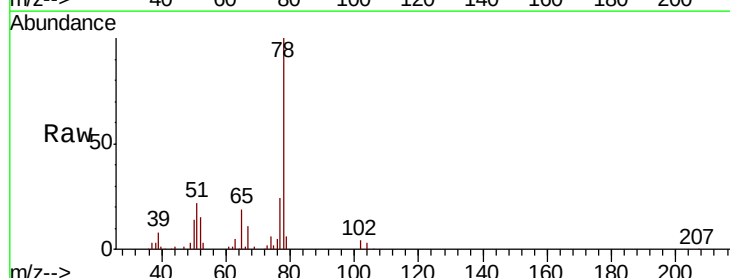
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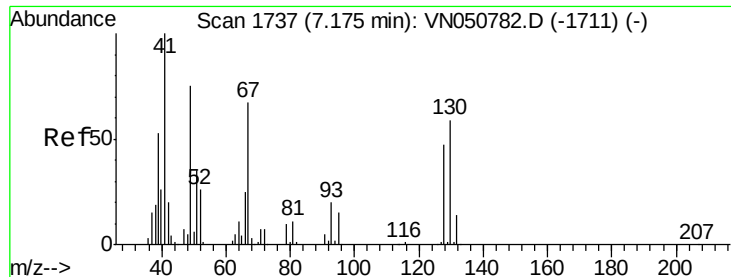
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#40
Benzene
Concen: 4.83 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Tgt Ion	78	Resp	154490
Ion Ratio	100	Lower	Upper
78	100		
77	24.3	19.0	28.4





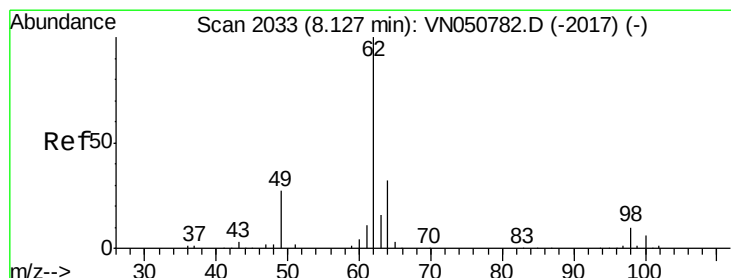
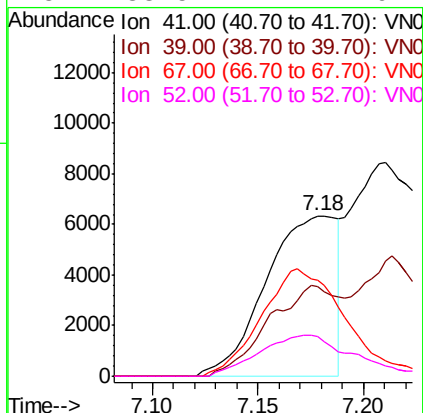
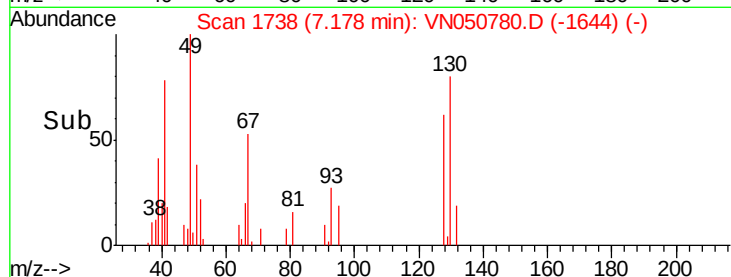
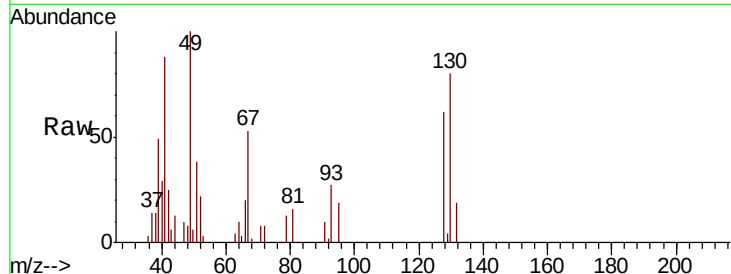
#41
Methacrylonitrile
Concen: 4.81 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:	41	Resp:	14845
Ion	Ratio	Lower	Upper
41	100		
39	56.8	45.4	68.0
67	79.1	70.6	106.0
52	33.5	27.1	40.7

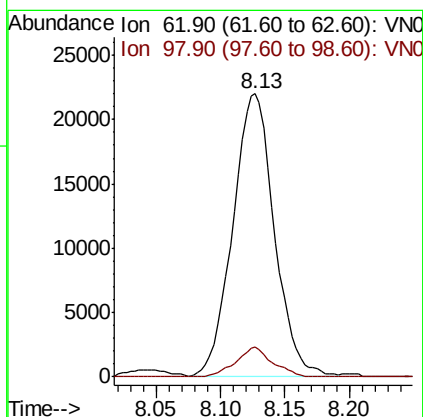
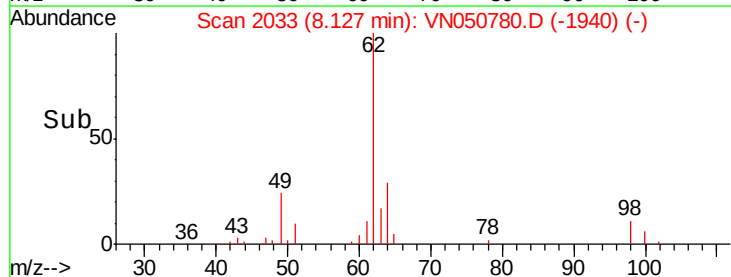
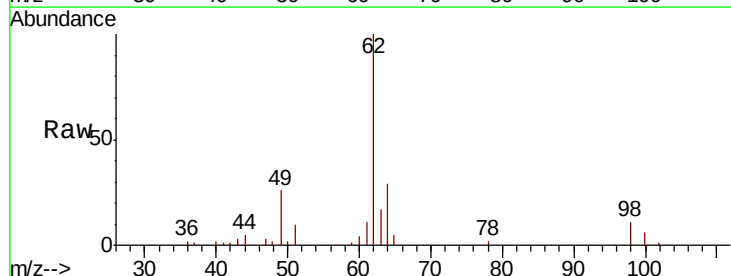
Manual Integrations
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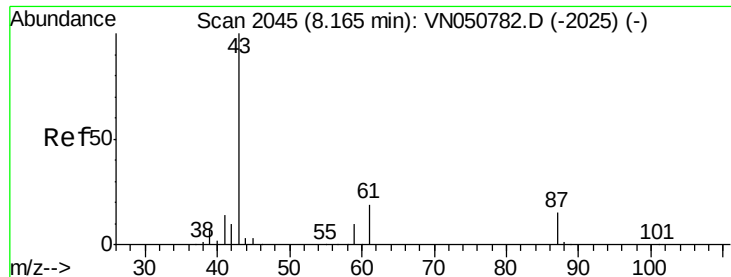
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#42
1,2-Dichloroethane
Concen: 5.16 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Tgt Ion:	62	Resp:	49424
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.6





#43

Isopropyl Acetate

Concen: 4.60 ug/l

RT: 8.16 min Scan# 2044

Delta R.T. -0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

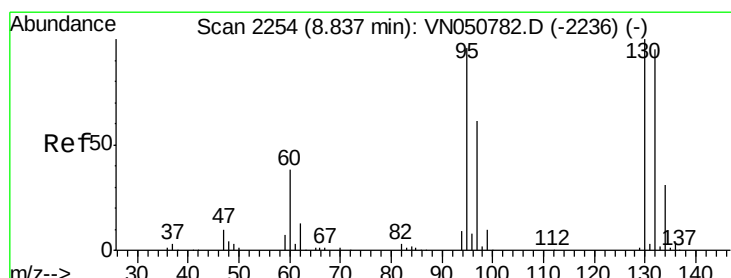
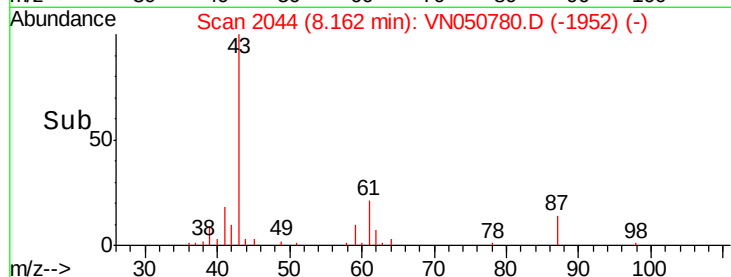
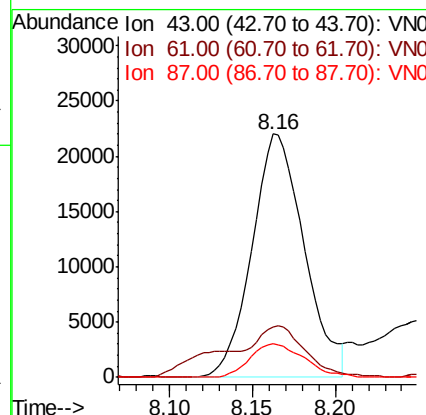
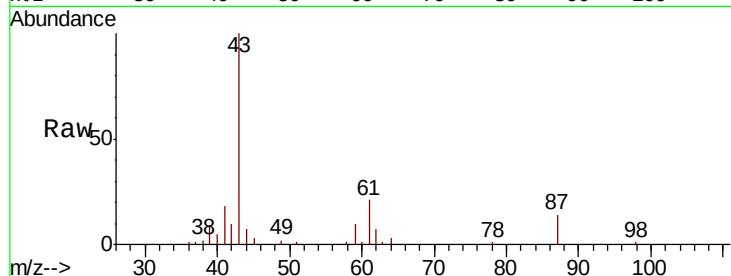
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	48277
Ion	Ratio	Lower	Upper
43	100		
61	19.8	17.5	26.3
87	14.3	11.3	16.9

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#44

Trichloroethene

Concen: 4.91 ug/l

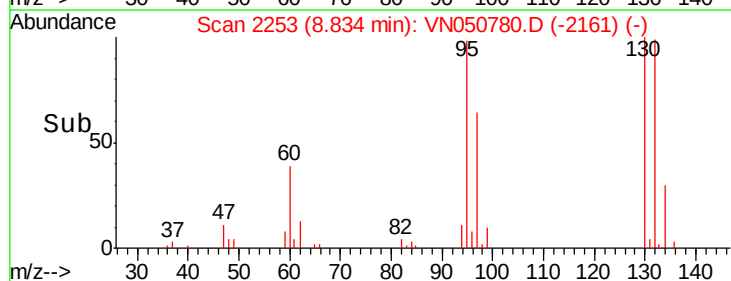
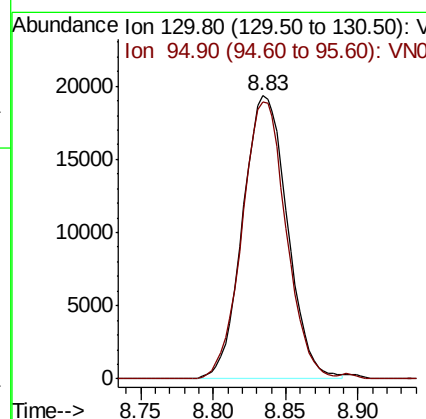
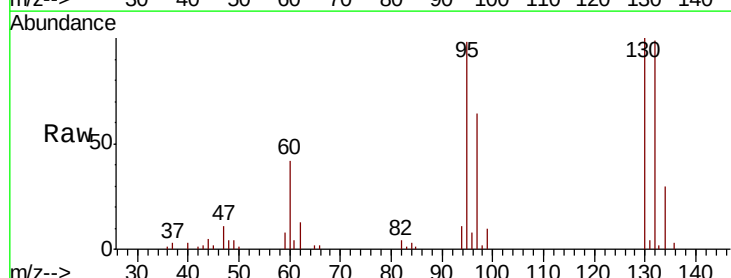
RT: 8.83 min Scan# 2253

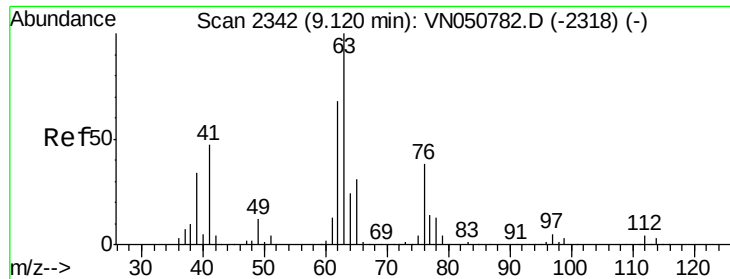
Delta R.T. -0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	130	Resp:	41466
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	193.0





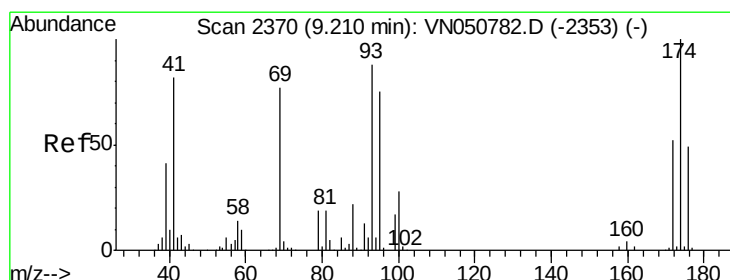
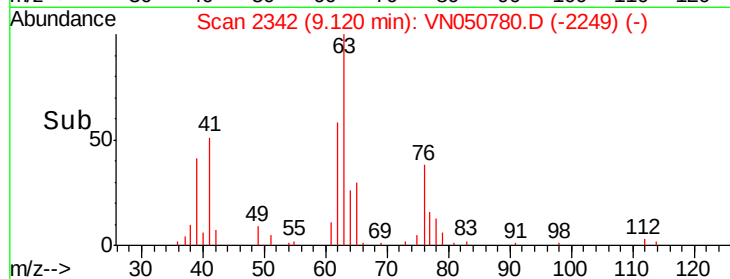
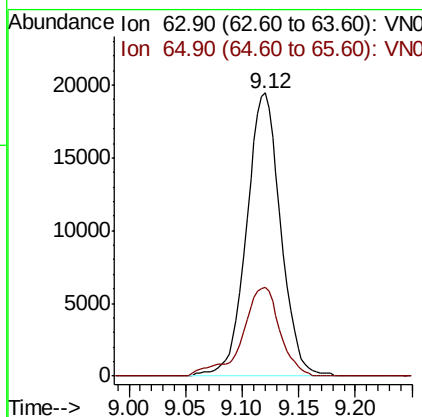
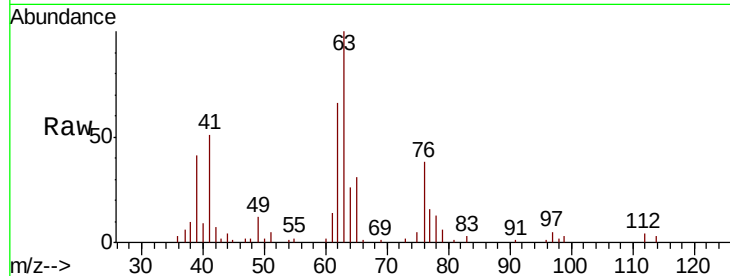
#45
 1,2-Dichloropropane
 Concen: 4.85 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.0	37.6

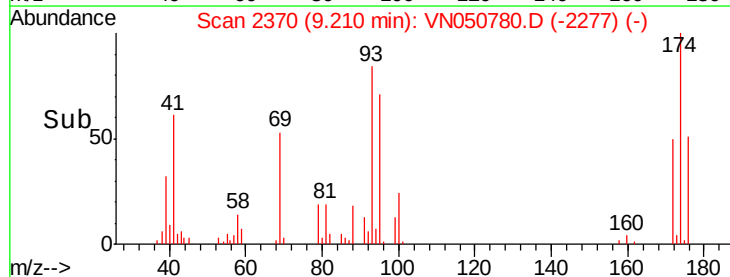
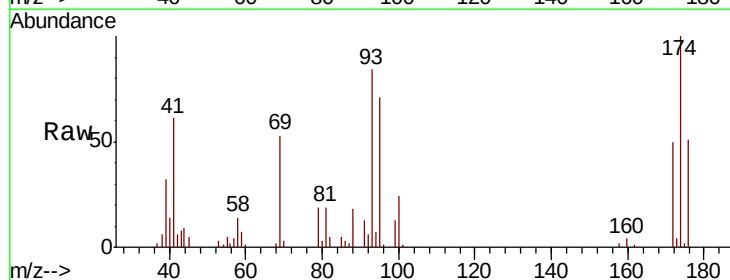
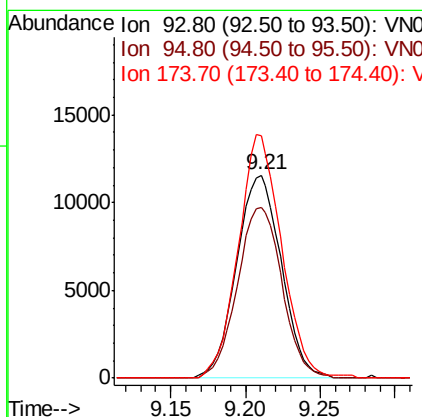
Manual Integrations
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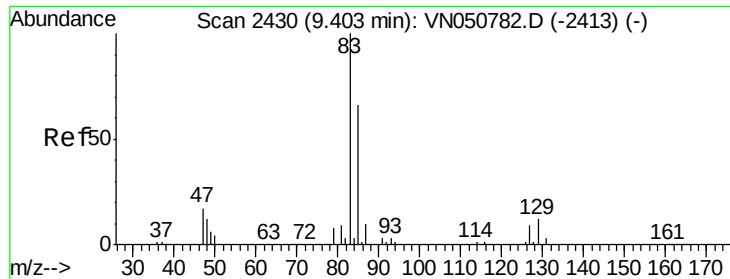
MMDadoda
 8/22/2018 11:18:43 AM



#46
 Dibromomethane
 Concen: 4.88 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.7	100.1
174	115.6	89.8	134.6





#47

Bromodichloromethane

Concen: 5.05 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

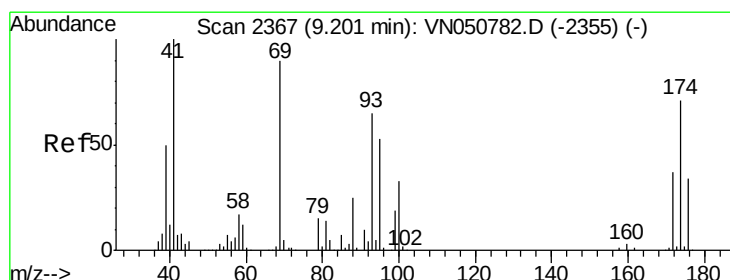
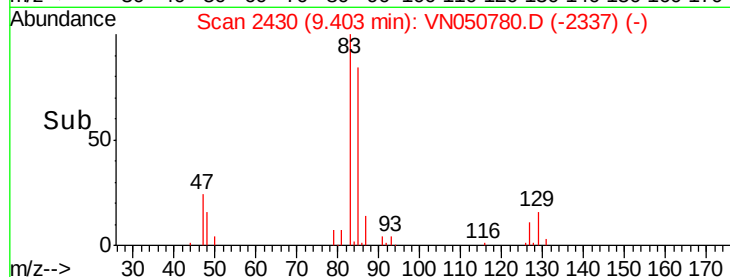
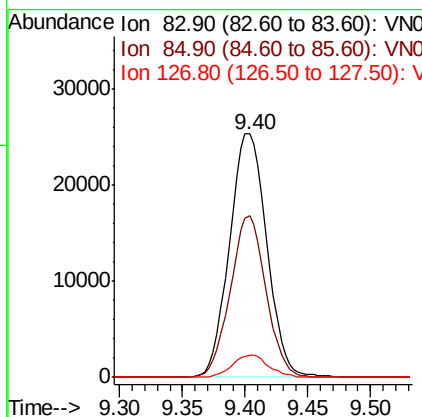
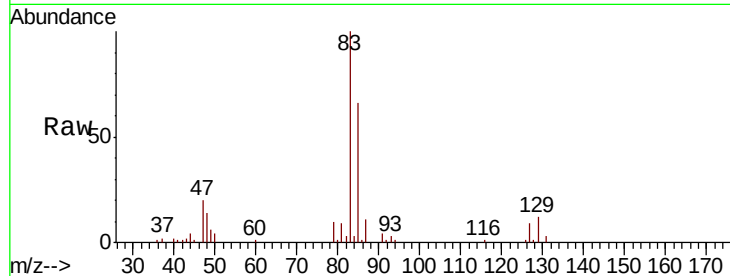
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	52296
Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.6	78.8
127	9.0	7.2	10.8

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#48

Methyl methacrylate

Concen: 4.28 ug/l

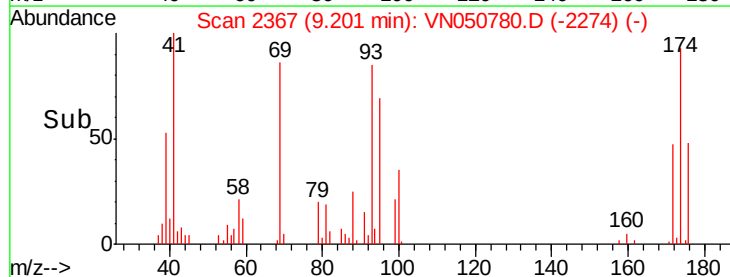
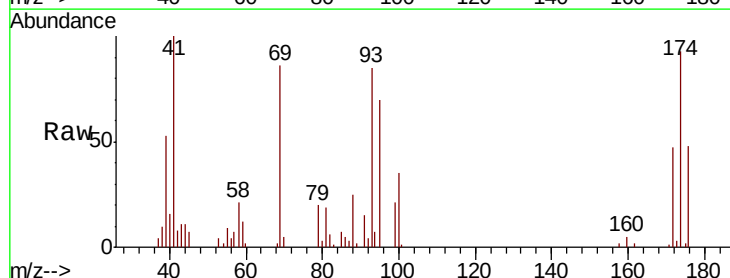
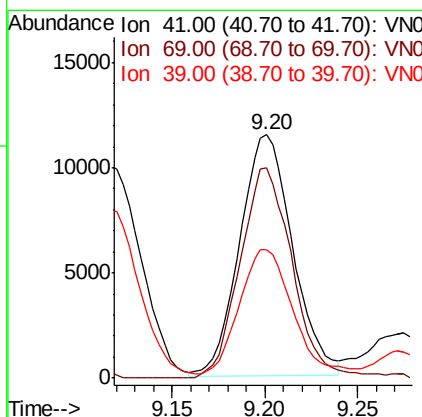
RT: 9.20 min Scan# 2367

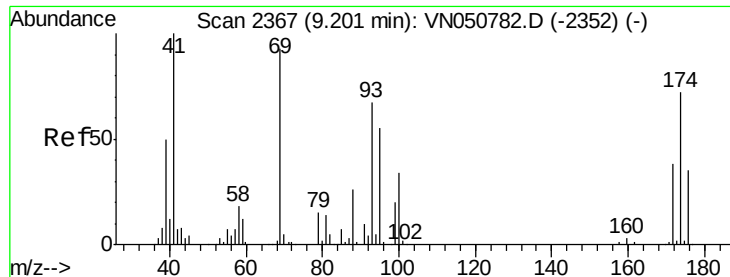
Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	41	Resp:	22875
Ion	Ratio	Lower	Upper
41	100		
69	85.7	74.7	112.1
39	53.0	42.2	63.2





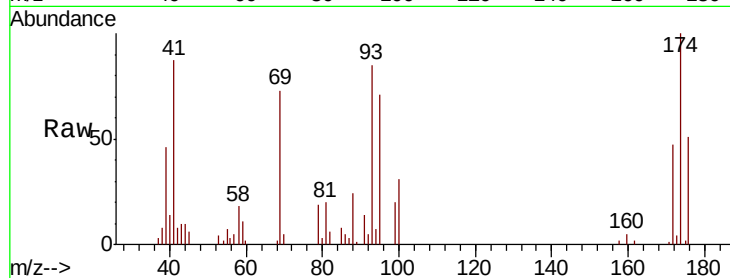
#49
1,4-Dioxane
Concen: 89.75 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	25.9	38.9
58	77.2	55.0	82.4

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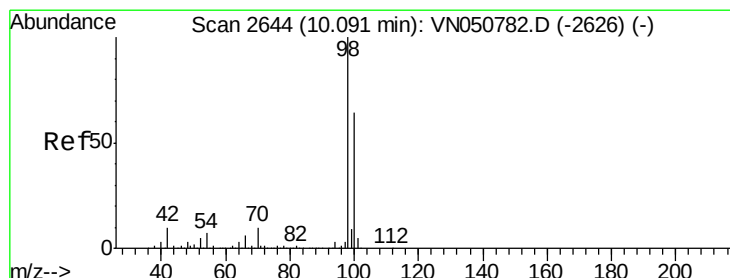
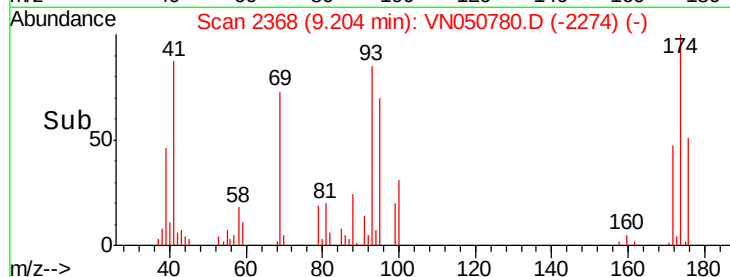
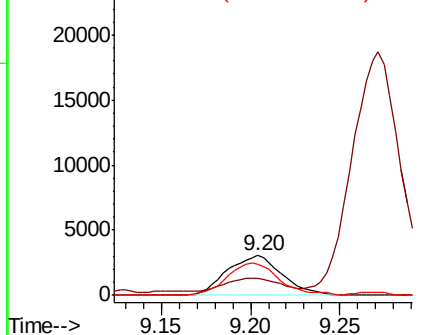


Abundance

Ion 88.00 (87.70 to 88.70): VN050782.D (-2352) (-)

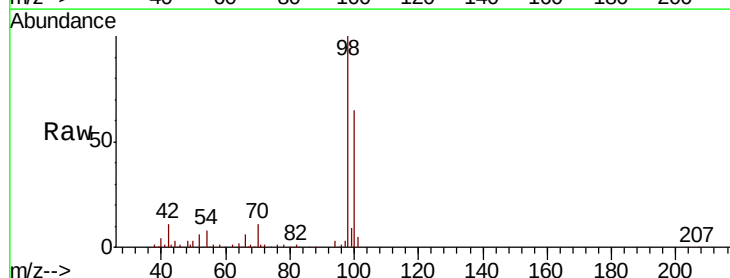
Ion 43.00 (42.70 to 43.70): VN050782.D (-2352) (-)

Ion 58.00 (57.70 to 58.70): VN050782.D (-2352) (-)



#50
Toluene-d8
Concen: 4.90 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

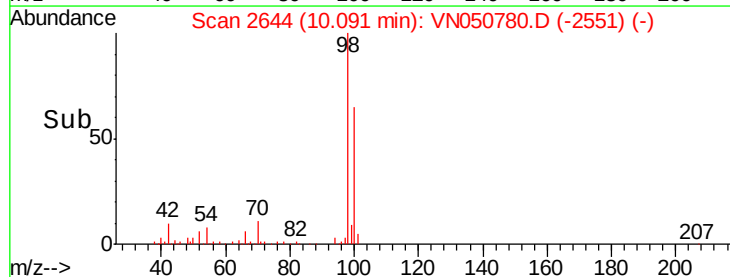
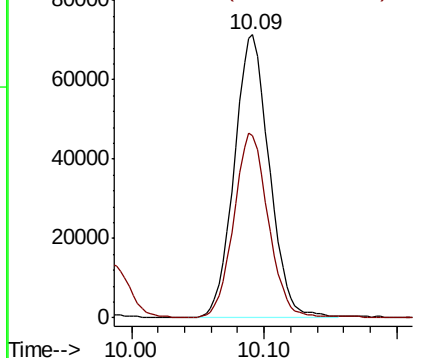
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3

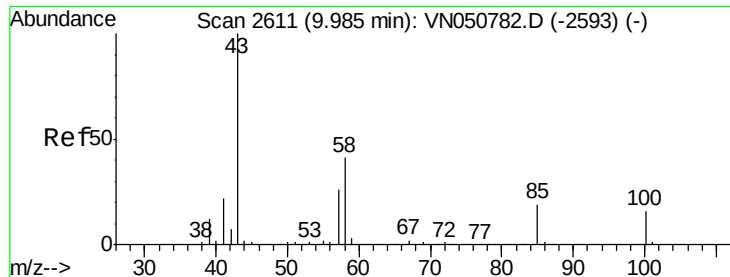


Abundance

Ion 98.00 (97.70 to 98.70): VN050782.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN050782.D (-2626) (-)





#51

4-Methyl-2-Pentanone

Concen: 26.49 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 165744

Ion Ratio Lower Upper

43 100

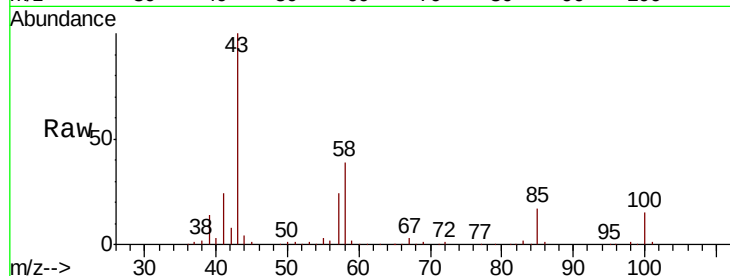
58 38.5 32.4 48.6

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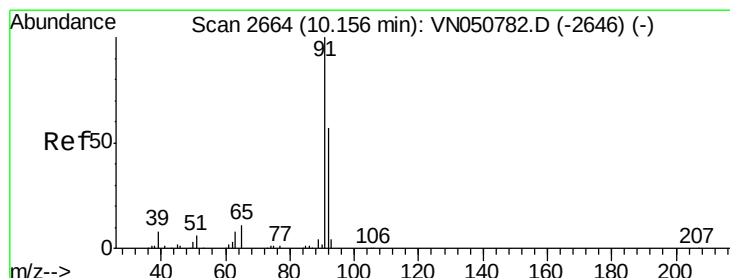
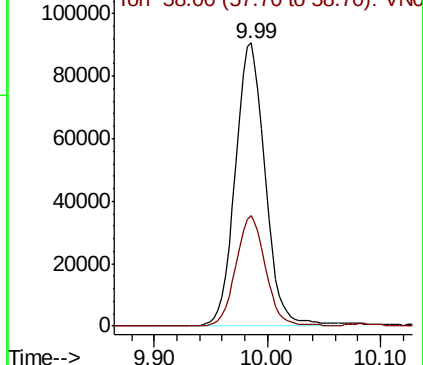
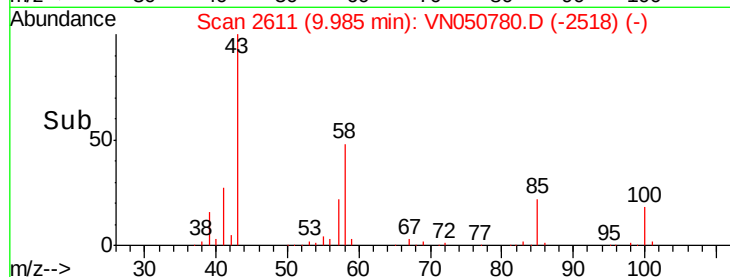
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Abundance Ion 43.00 (42.70 to 43.70): VN050780.D (-2593) (-)

Ion 58.00 (57.70 to 58.70): VN050780.D (-2593) (-)



#52

Toluene

Concen: 4.64 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050780.D

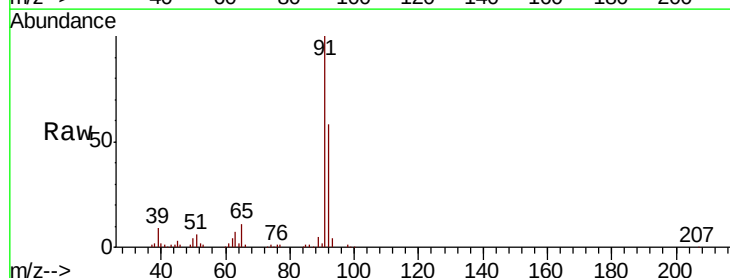
Acq: 21 Aug 2018 10:20

Tgt Ion: 92 Resp: 88084

Ion Ratio Lower Upper

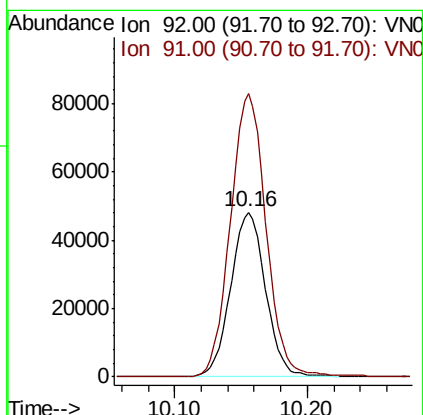
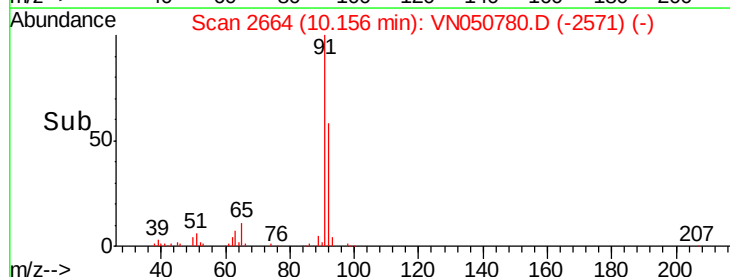
92 100

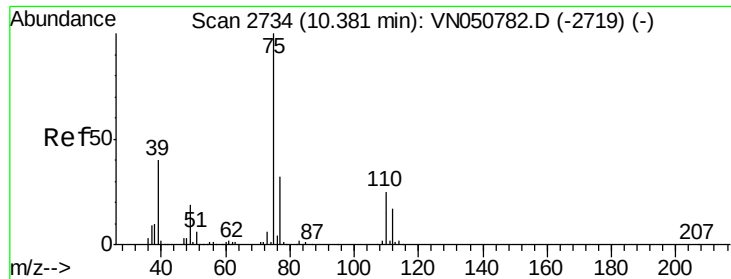
91 176.2 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN050780.D (-2646) (-)

Ion 91.00 (90.70 to 91.70): VN050780.D (-2646) (-)





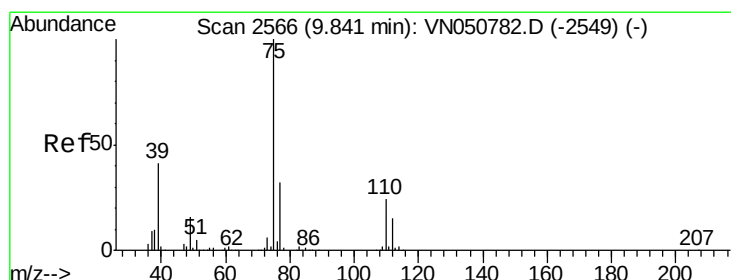
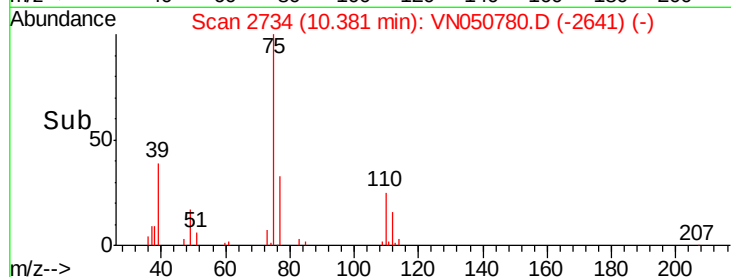
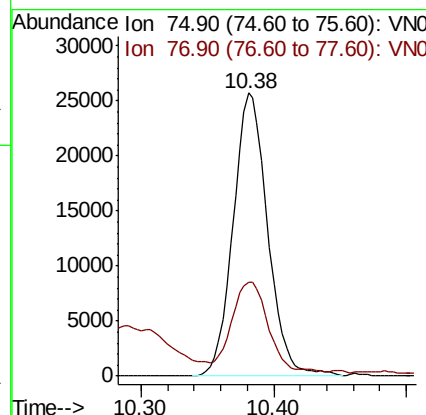
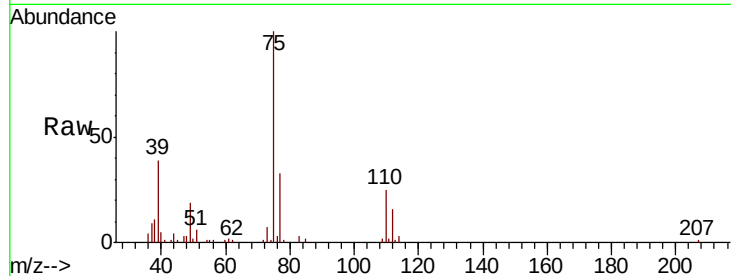
#53
t-1,3-Dichloropropene
Concen: 4.51 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	75	Resp	46516
Ion Ratio	Lower	Upper	
75	100		
77	31.2	25.7	38.5

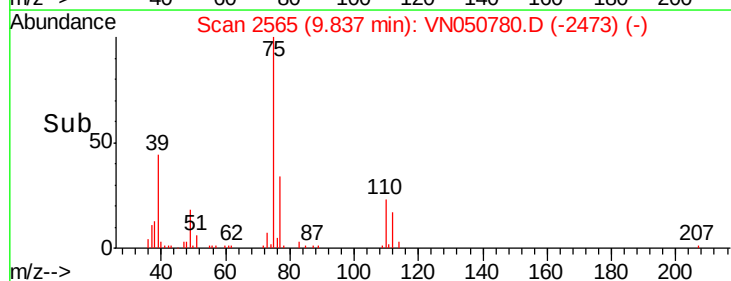
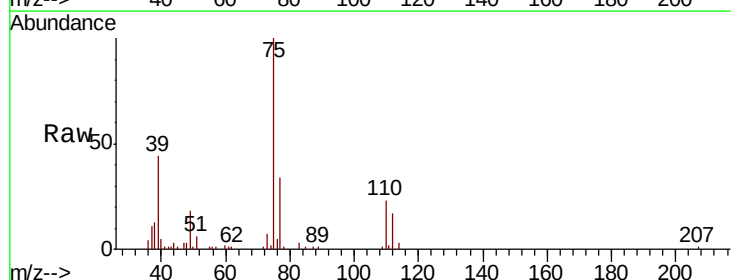
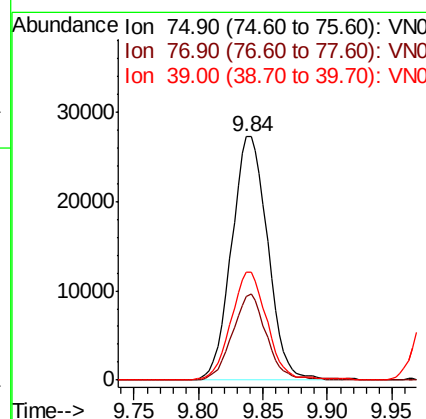
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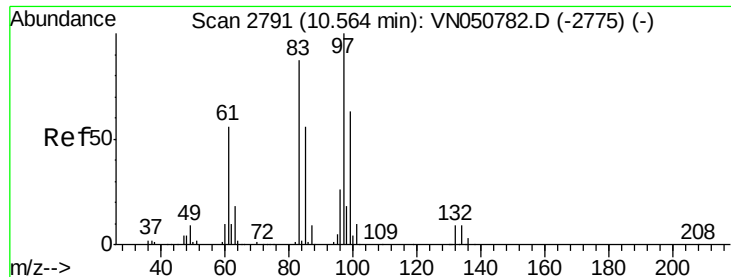
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#54
cis-1,3-Dichloropropene
Concen: 4.51 ug/l
RT: 9.84 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Tgt Ion	75	Resp	53210
Ion Ratio	Lower	Upper	
75	100		
77	34.2	25.4	38.2
39	44.2	33.0	49.4





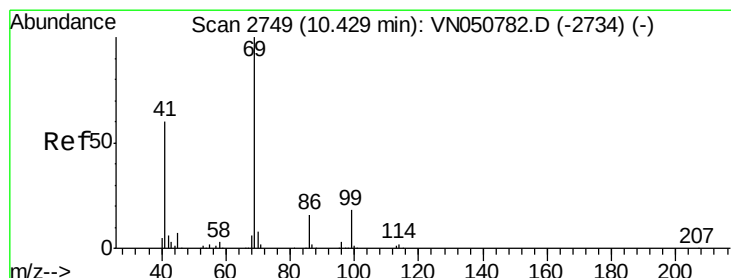
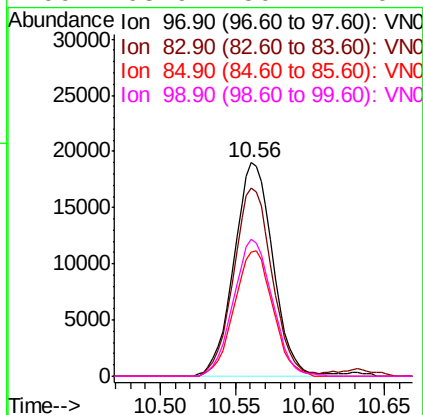
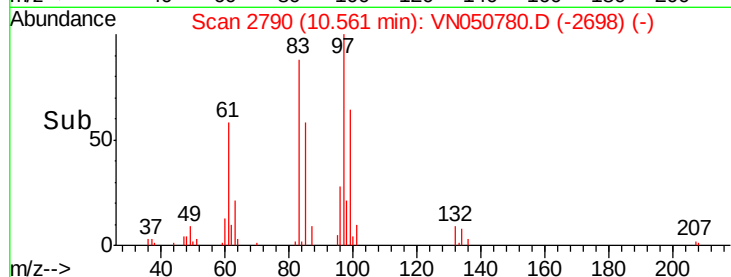
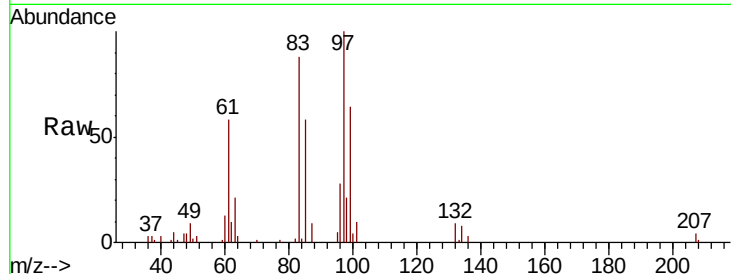
#55
 1,1,2-Trichloroethane
 Concen: 4.90 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		34458		
83	88.3	69.7	104.5		
85	58.4	44.5	66.7		
99	63.9	50.7	76.1		

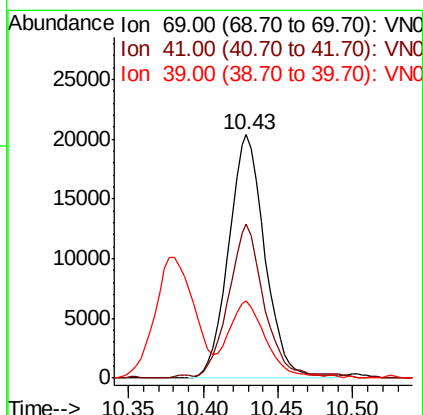
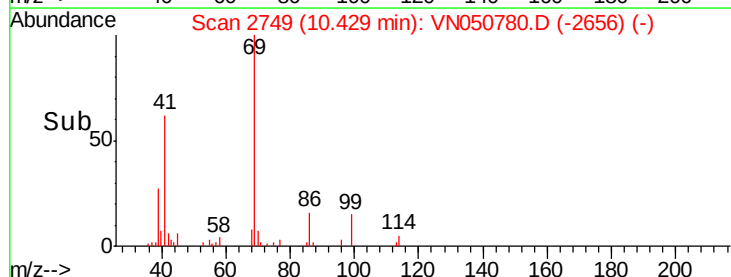
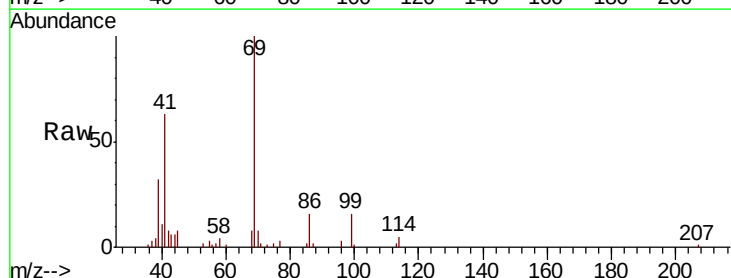
Manual Integrations
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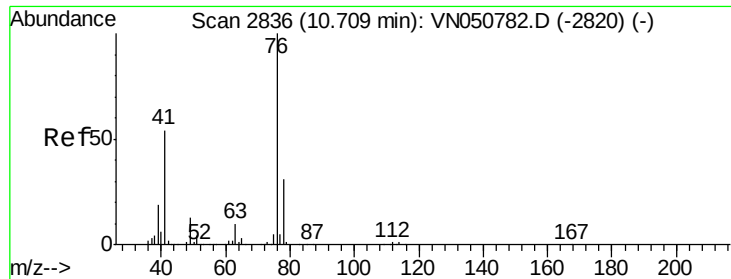
MMDadoda
 8/22/2018 11:18:43 AM



#56
 Ethyl methacrylate
 Concen: 4.30 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		34288		
41	59.5	48.3	72.5		
39	33.3	24.0	36.0		





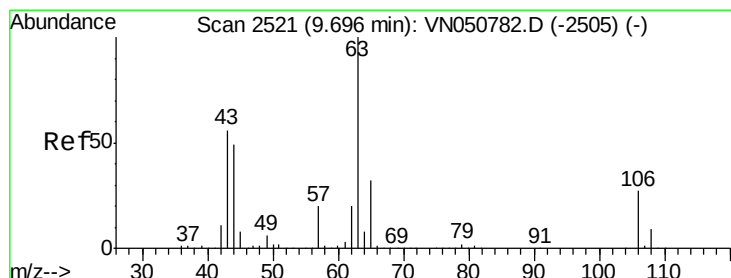
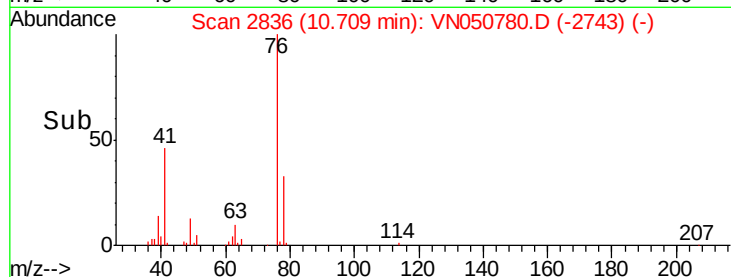
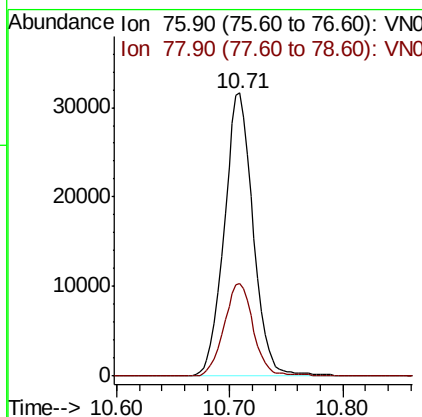
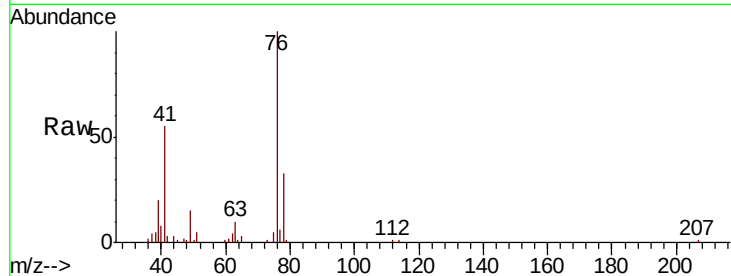
#57
 1,3-Dichloropropane
 Concen: 4.83 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 76 Resp: 56142
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.5 38.3

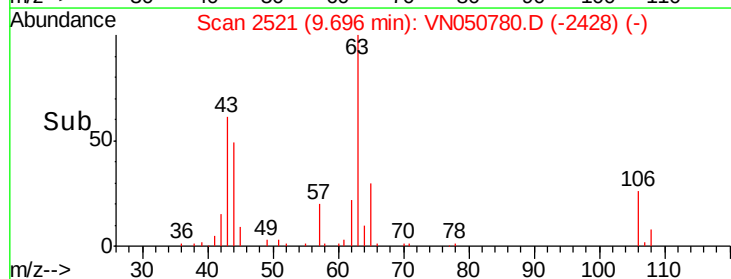
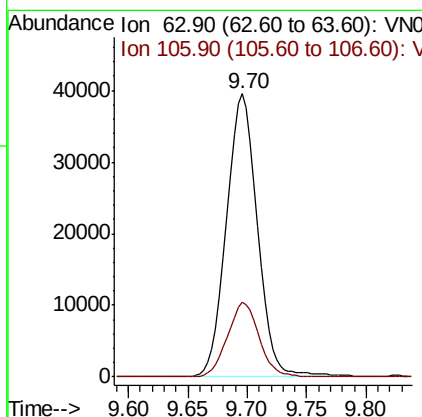
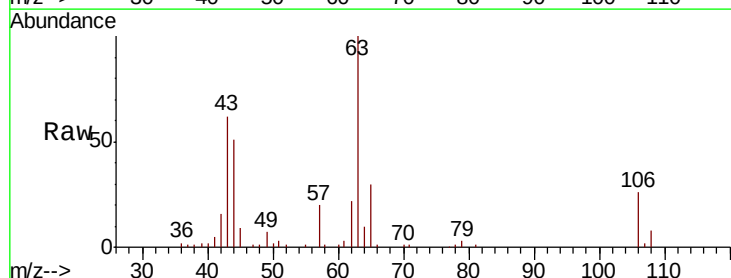
Manual Integrations
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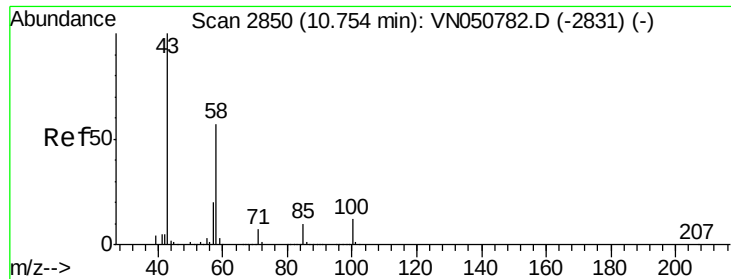
MMDadoda
 8/22/2018 11:18:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.01 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 63 Resp: 71600
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.9 32.9





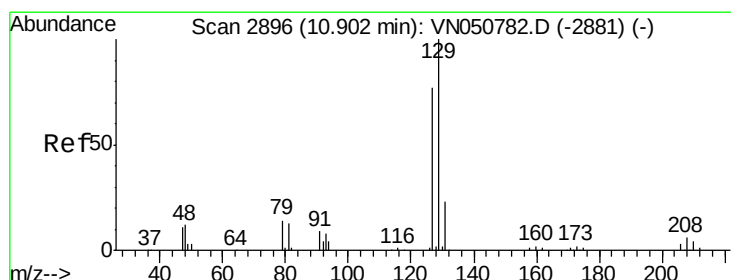
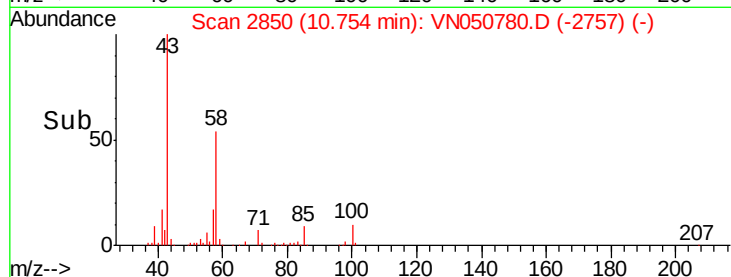
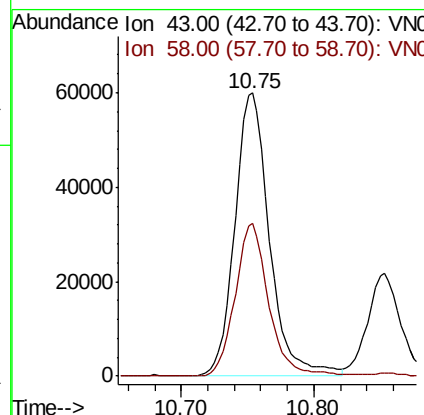
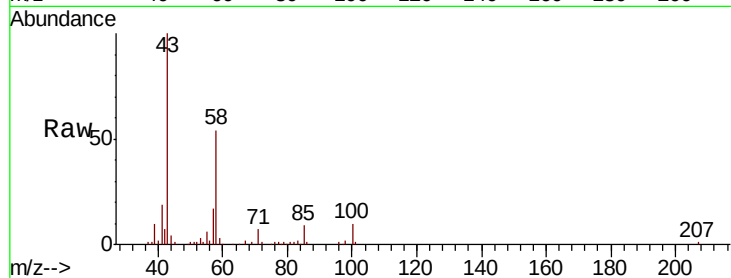
#59
2-Hexanone
Concen: 26.15 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43.00	Resp	108941
Ion Ratio	43	100	
Lower	58	52.1	28.3
Upper			85.0

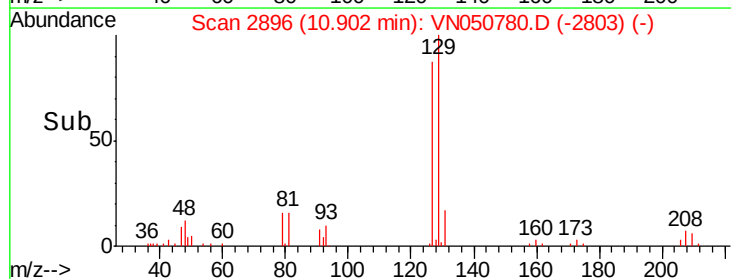
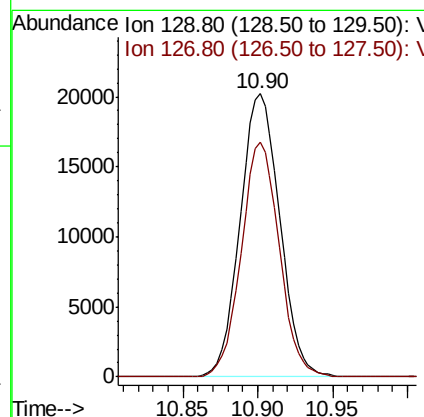
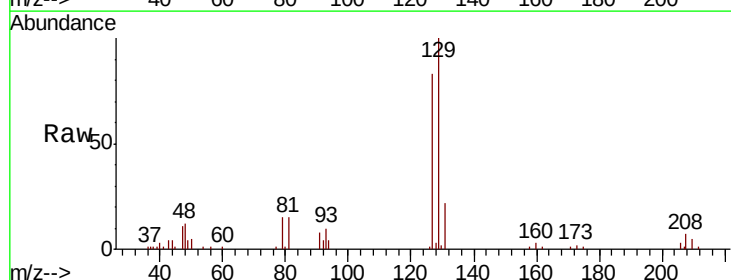
Manual Integrations
APPROVED

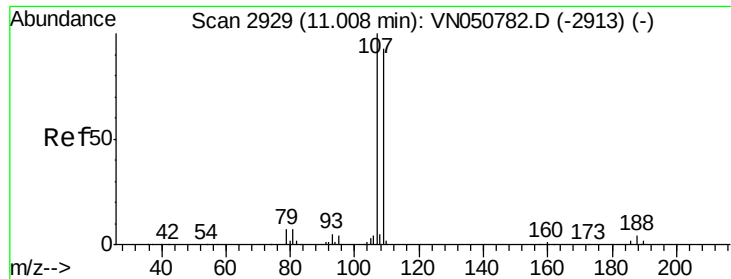
MMDadoda
8/22/2018 11:18:43 AM



#60
Dibromochloromethane
Concen: 4.75 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Tgt Ion	129	Resp	37397
Ion Ratio	129	100	
Lower	127	79.2	38.3
Upper			114.9





#61

1,2-Dibromoethane

Concen: 4.83 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 32842

Ion Ratio Lower Upper

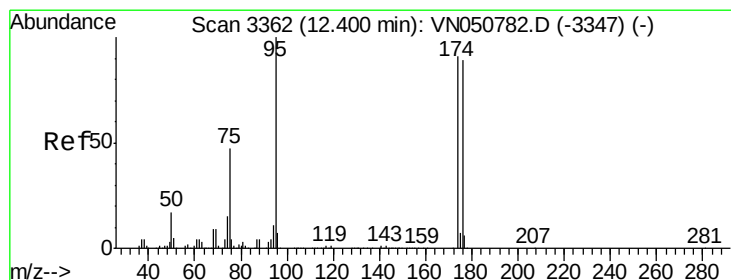
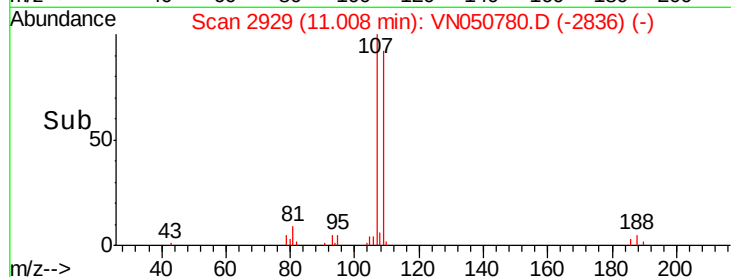
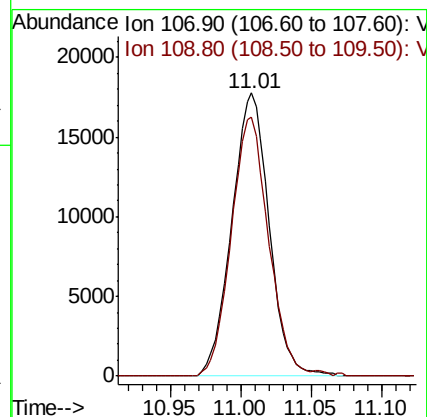
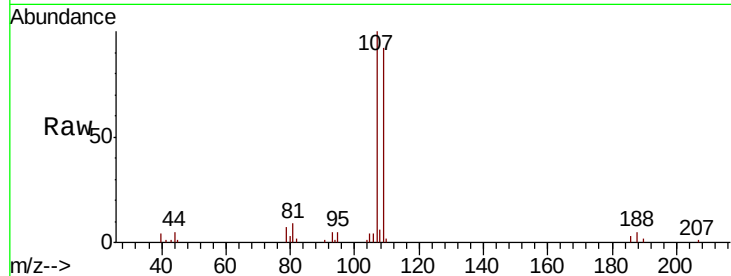
107 100

109 91.4 75.4 113.2

Manual Integrations
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MMDadoda

8/22/2018 11:18:43 AM



#62

4-Bromofluorobenzene

Concen: 4.47 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

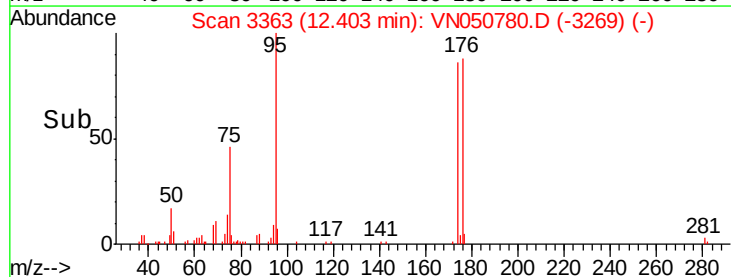
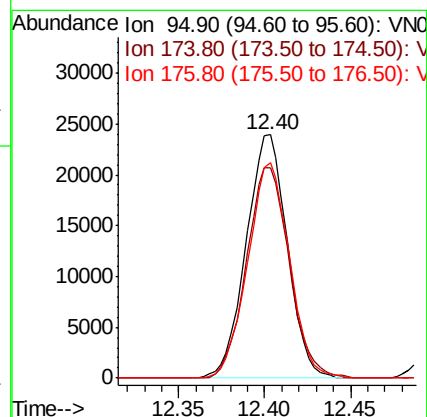
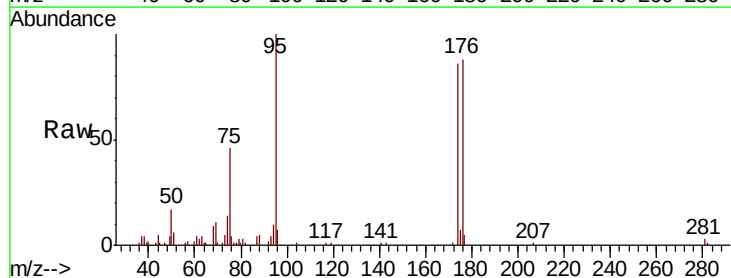
Tgt Ion: 95 Resp: 39722

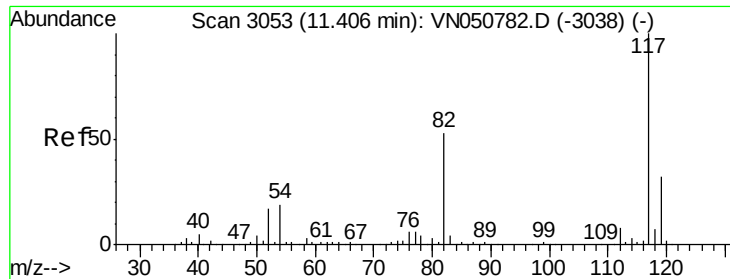
Ion Ratio Lower Upper

95 100

174 90.2 0.0 183.0

176 89.6 0.0 178.8





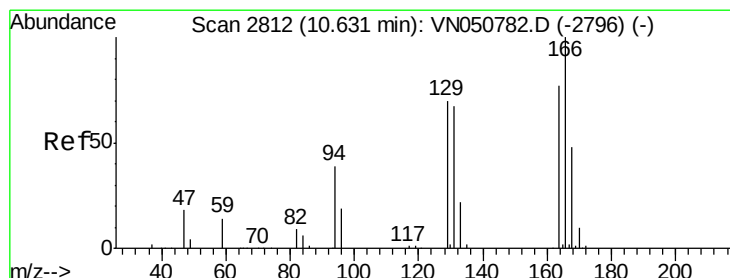
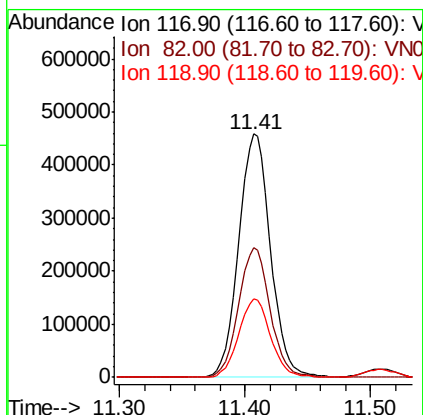
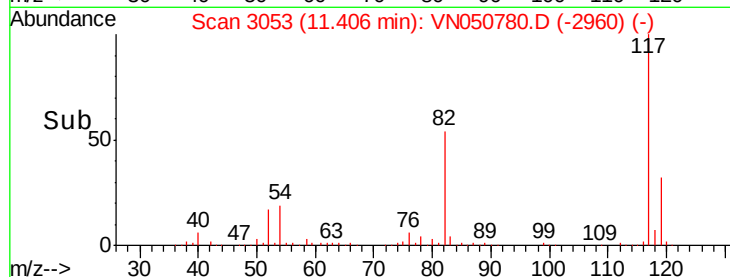
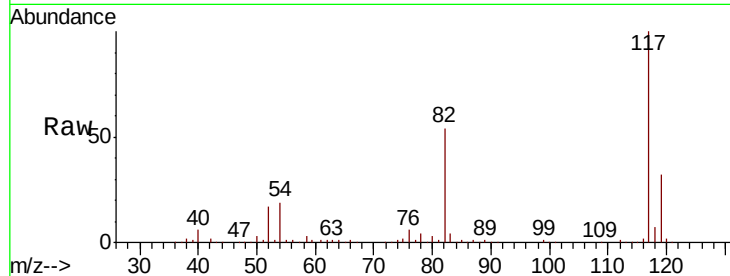
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.6	64.0
119	32.1	25.8	38.6

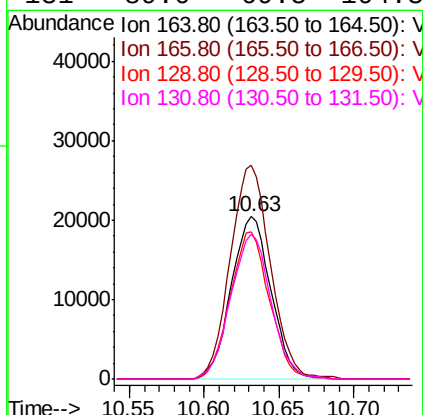
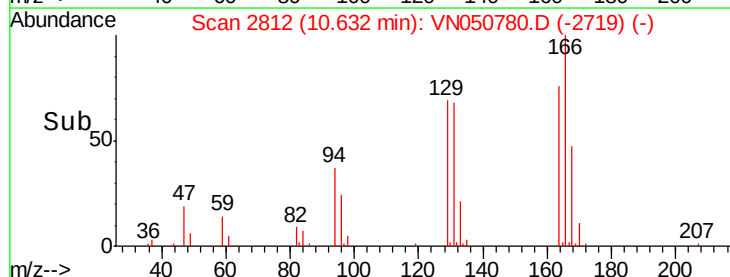
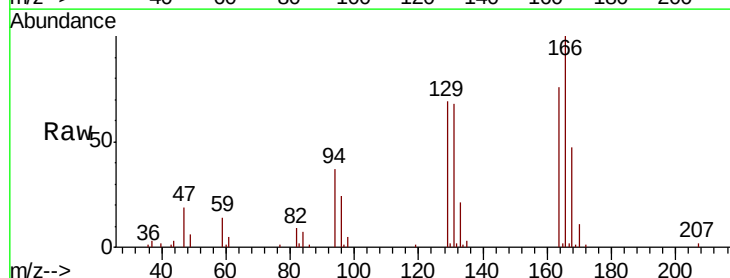
Manual Integrations
APPROVED

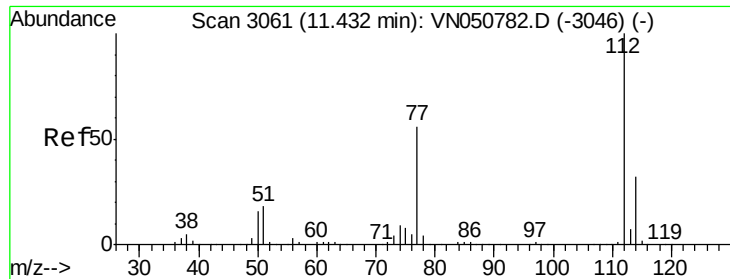
MMDadoda
8/22/2018 11:18:43 AM



#64
Tetrachloroethene
Concen: 4.92 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	103.5	155.3
129	90.9	72.7	109.1
131	89.0	69.5	104.3





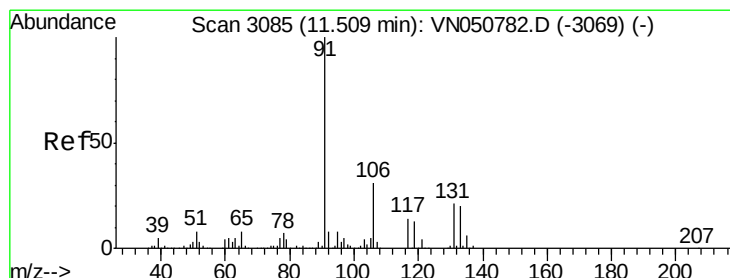
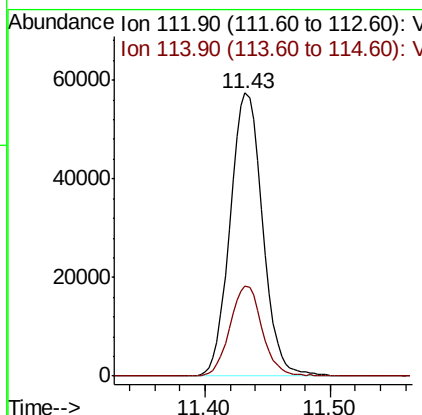
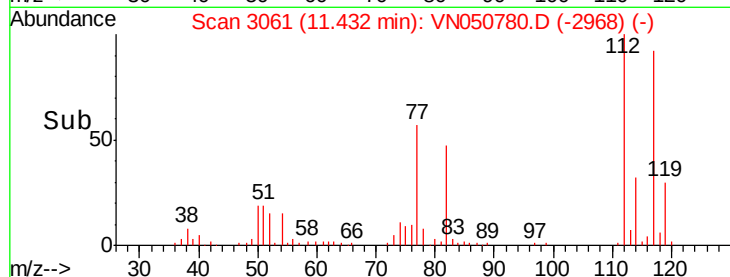
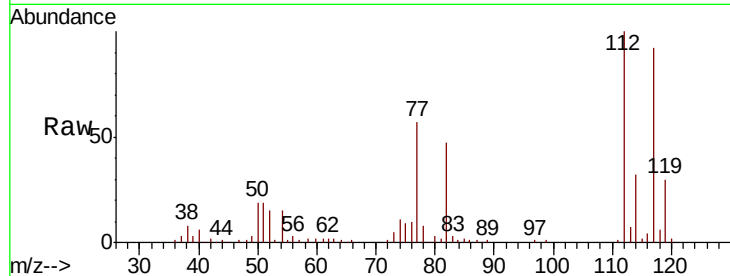
#65
Chlorobenzene
Concen: 4.90 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:112 Resp: 103469
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4

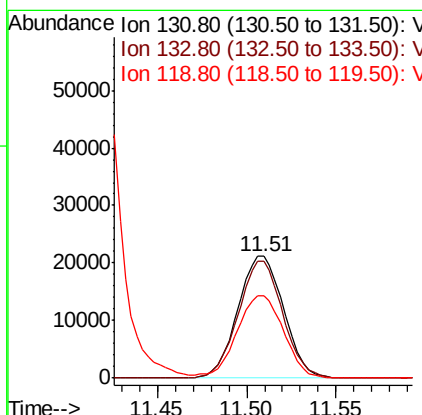
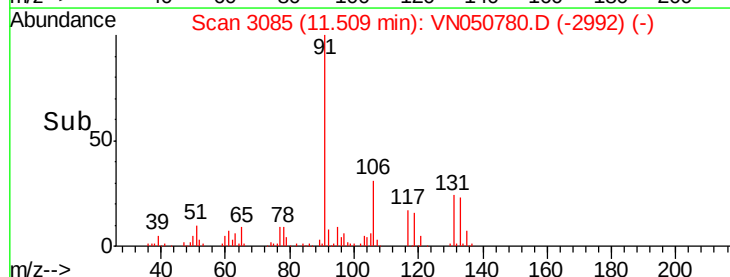
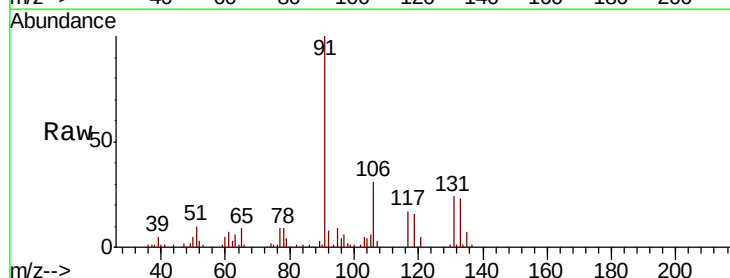
Manual Integrations
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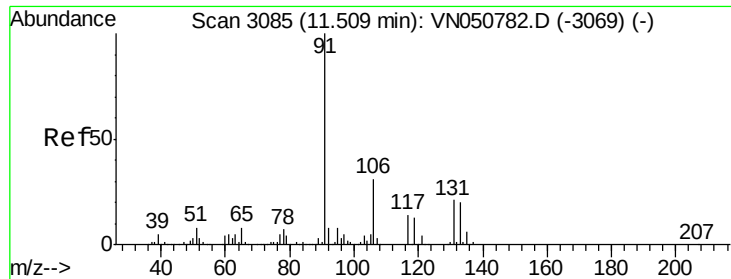
MMDadoda
8/22/2018 11:18:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.92 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Tgt Ion:131 Resp: 38012
Ion Ratio Lower Upper
131 100
133 93.6 47.4 142.3
119 68.6 32.8 98.4





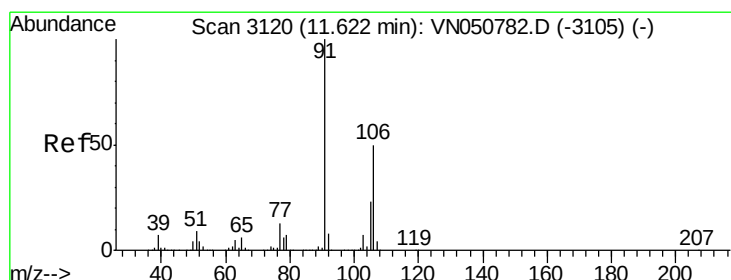
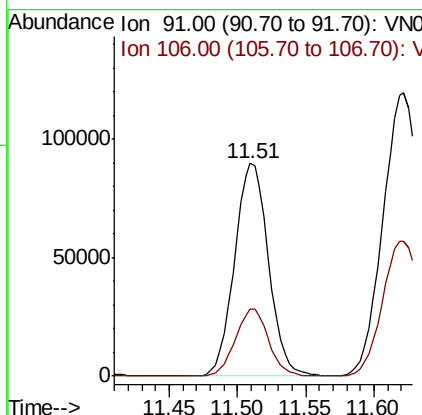
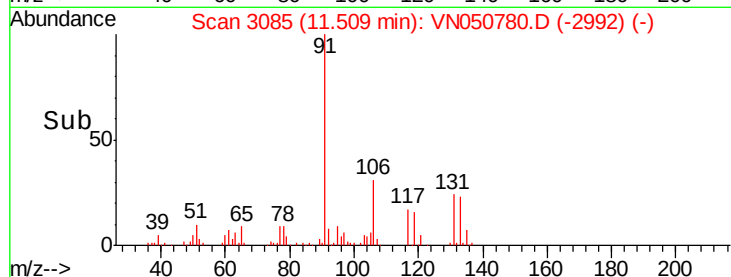
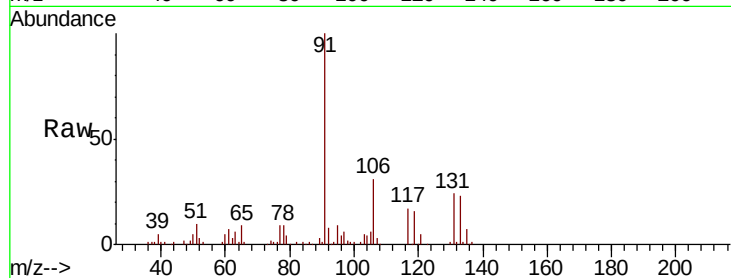
#67
Ethyl Benzene
Concen: 4.52 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	91	Resp	155170
Ion Ratio	Lower	Upper	
91	100		
106	31.2	25.0	37.4

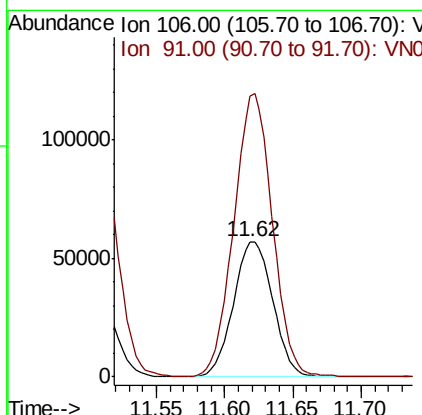
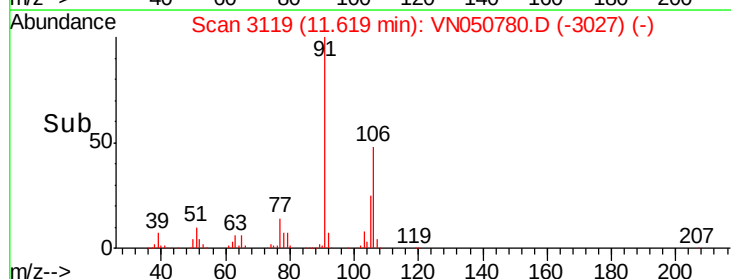
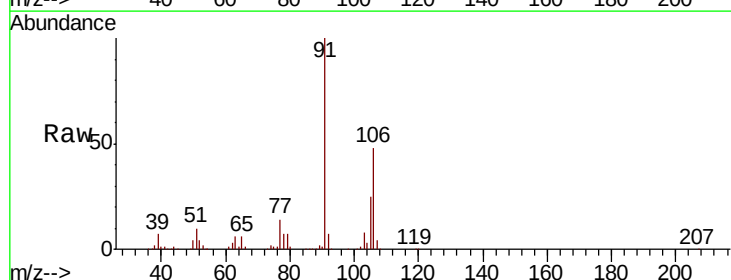
Manual Integrations
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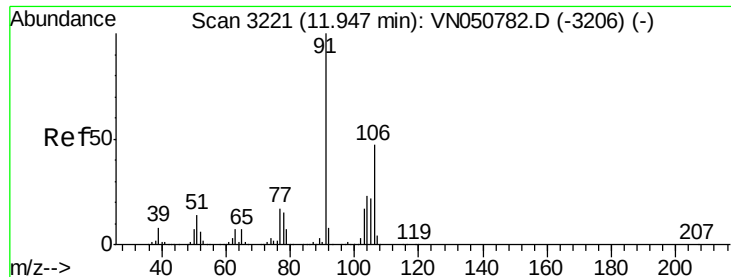
MMDadoda
8/22/2018 11:18:43 AM



#68
m/p-Xylenes
Concen: 8.75 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Tgt Ion	106	Resp	114167
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
106	100		
91	204.8	161.0	241.6





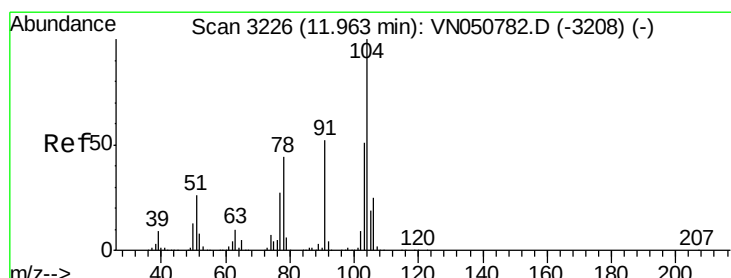
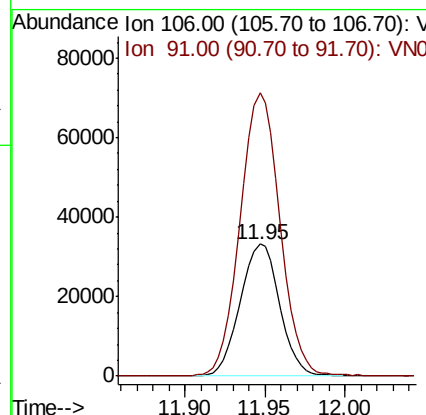
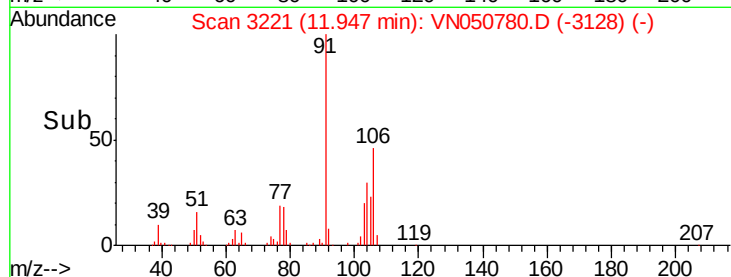
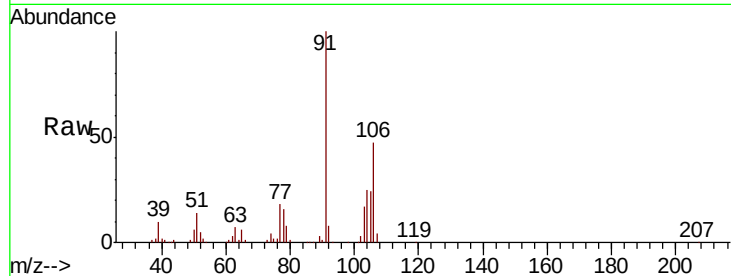
#69
o-Xylene
Concen: 4.45 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		55796		
91	216.5	106.5	319.5		

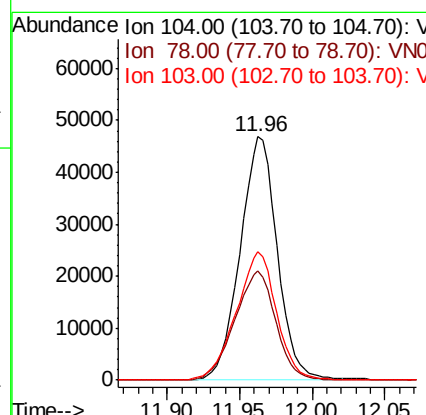
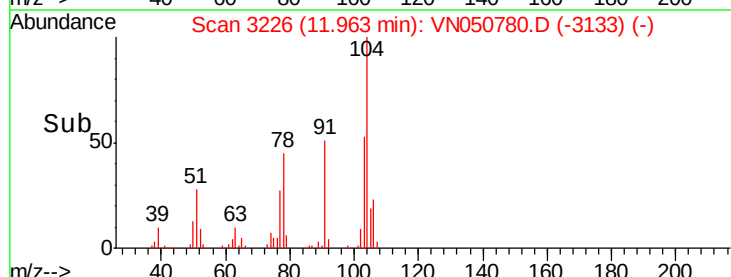
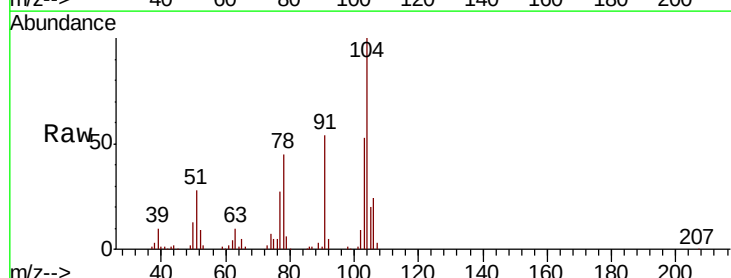
Manual Integrations
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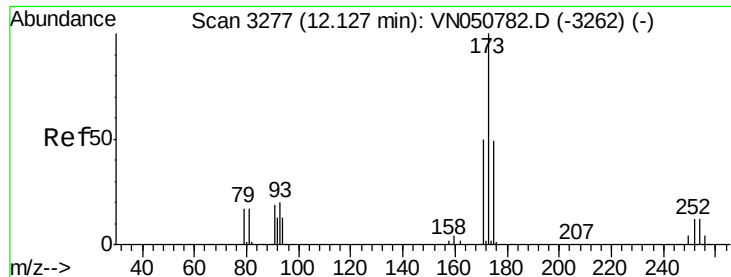
MMDadoda
8/22/2018 11:18:43 AM



#70
Styrene
Concen: 4.26 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		83451		
78	49.3	38.2	57.4		
103	57.0	44.4	66.6		





#71

Bromoform

Concen: 4.63 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 24618

Ion Ratio Lower Upper

173 100

175 50.2 24.4 73.4

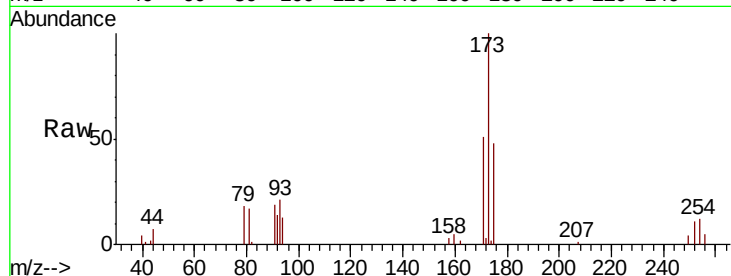
254 0.0 0.1 0.1#

Manual Integrations

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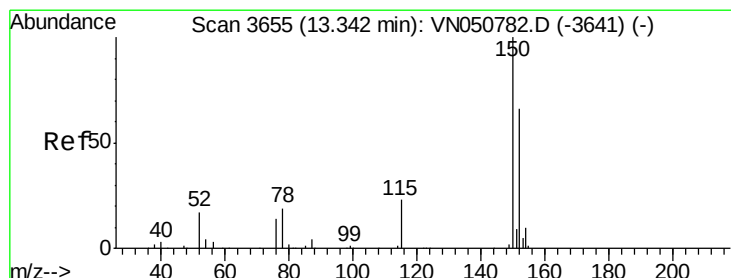
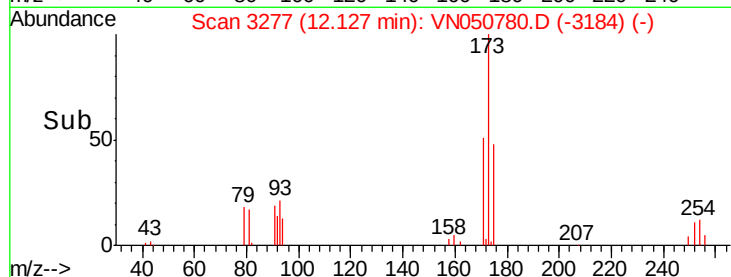
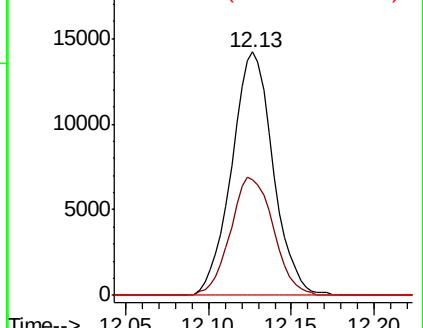
8/22/2018 11:18:43 AM



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: 13.34 min Scan# 3655

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

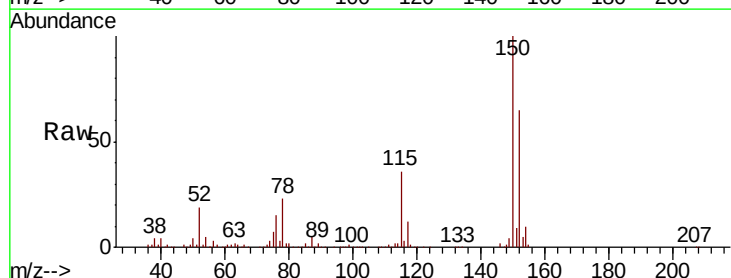
Tgt Ion:152 Resp: 362697

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

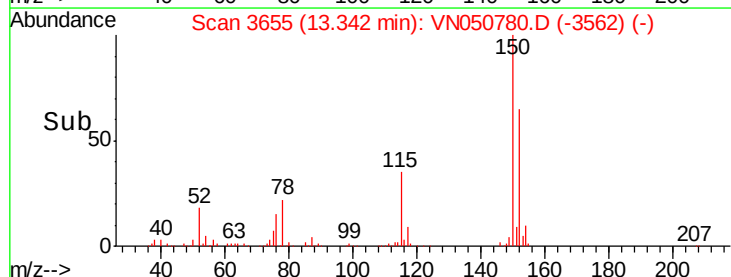
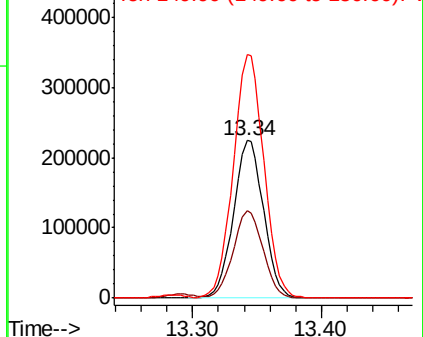
150 157.1 0.0 351.4

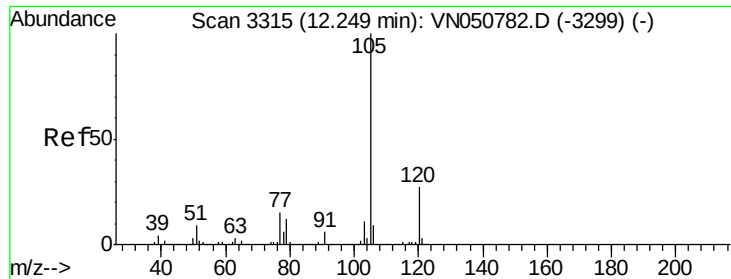


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





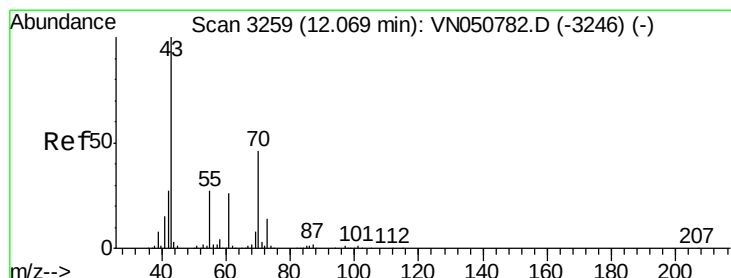
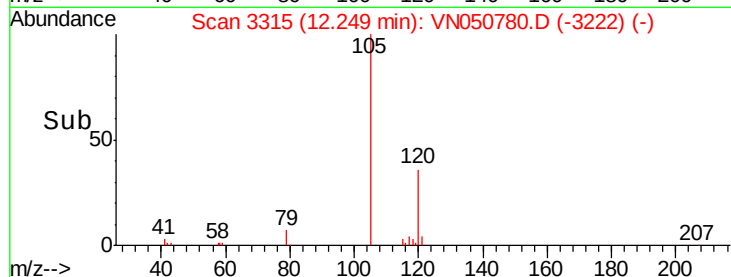
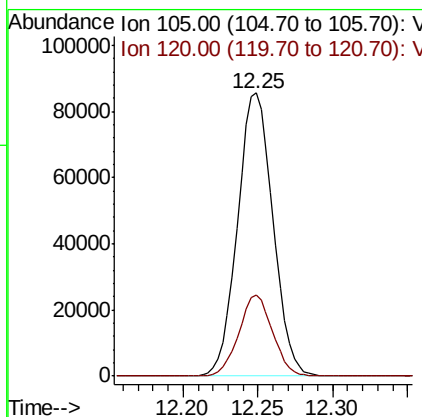
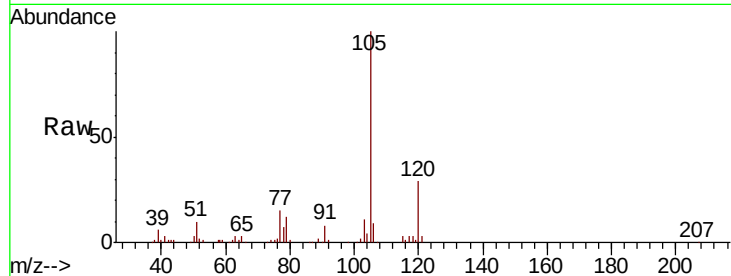
#73
Isopropylbenzene
Concen: 4.70 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.4

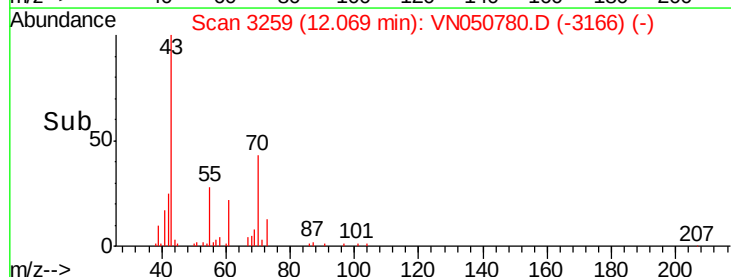
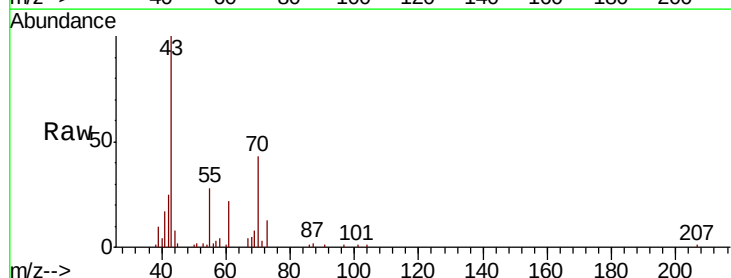
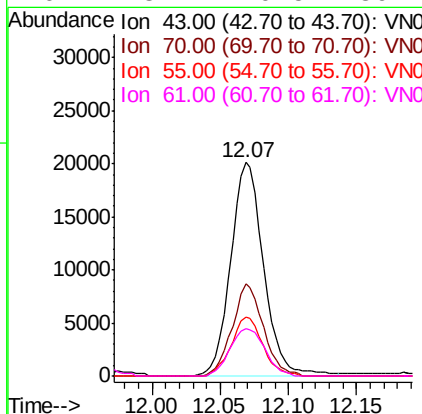
Manual Integrations
APPROVED

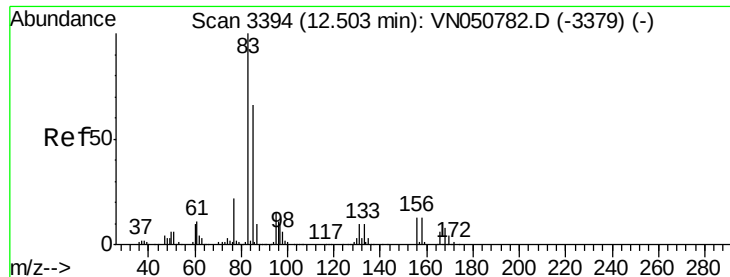
MMDadoda
8/22/2018 11:18:43 AM



#74
N-ethyl acetate
Concen: 4.48 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.6	36.2	54.2
55	26.4	21.8	32.8
61	23.4	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 5.29 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

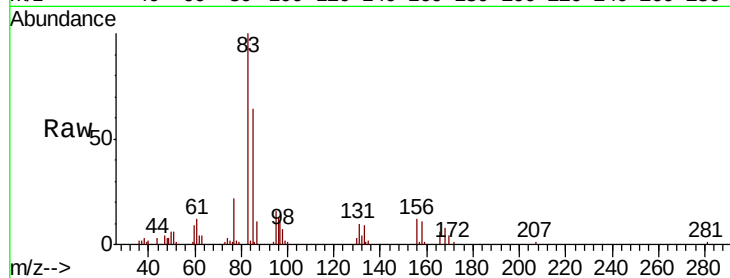
ClientSampleId :

VSTDIC005

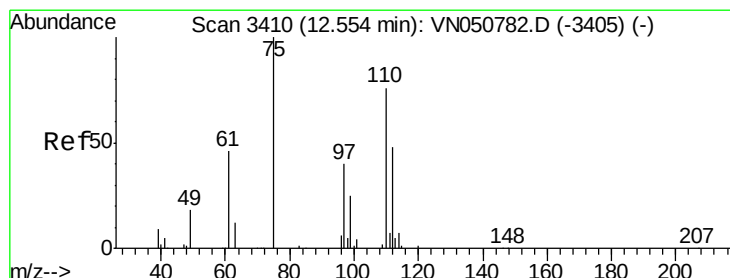
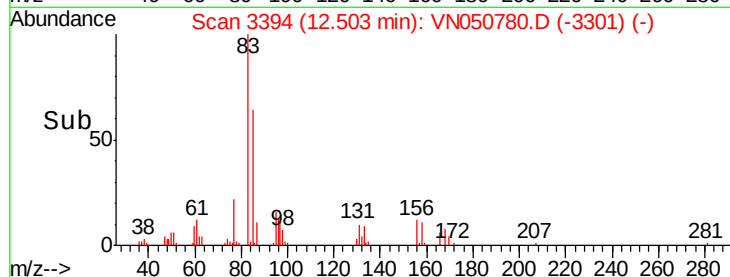
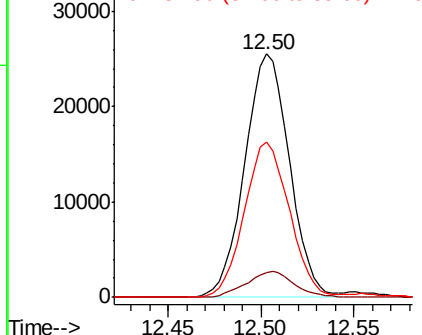
Tot Ion:	83	Resp:	42794
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.3	15.9
85	63.9	31.9	95.7

Manual Integrations
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MMDadoda
8/22/2018 11:18:43 AM



Abundance Ion 82.90 (82.60 to 83.60): VN050780.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 5.74 ug/l m

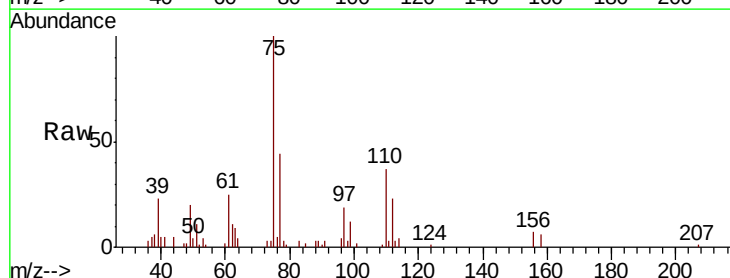
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

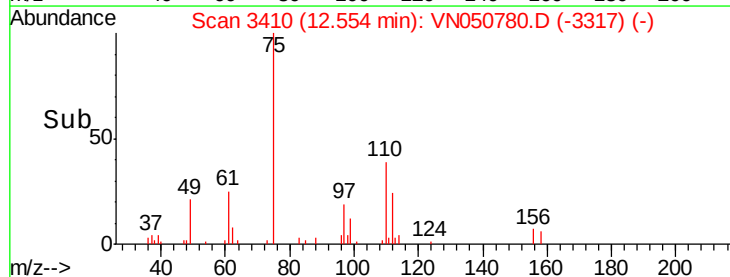
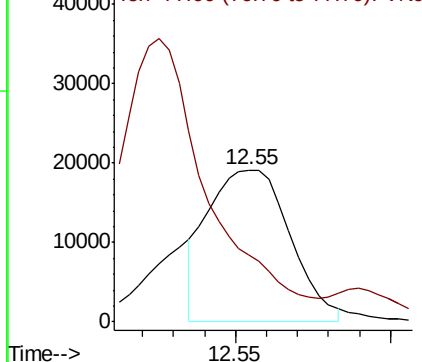
Lab File: VN050780.D

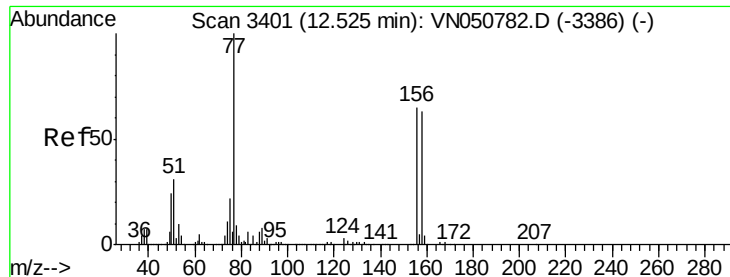
Acq: 21 Aug 2018 10:20

Tgt Ion:	75	Resp:	35324
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050780.D (-3379) (-)





#77

Bromobenzene

Concen: 4.94 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:156 Resp: 40360

Ion Ratio Lower Upper

156 100

77 180.9 89.9 269.7

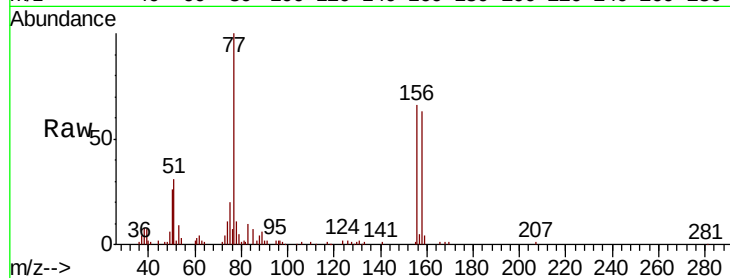
158 94.8 49.3 147.9

Manual Integrations

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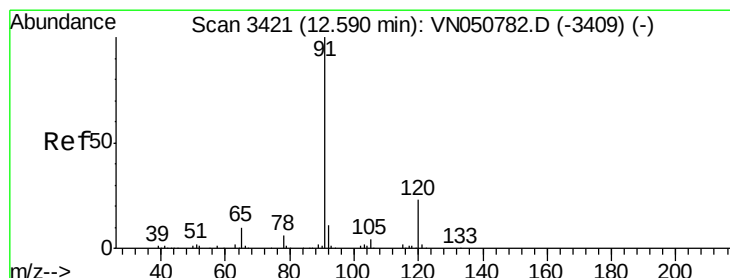
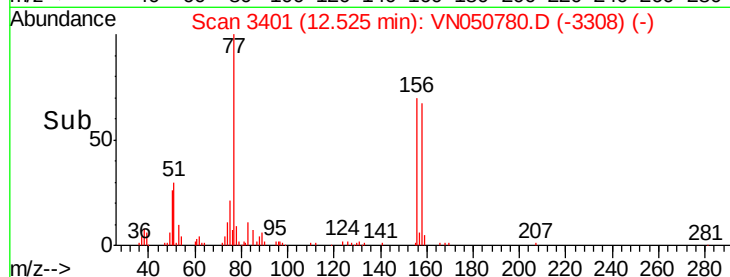
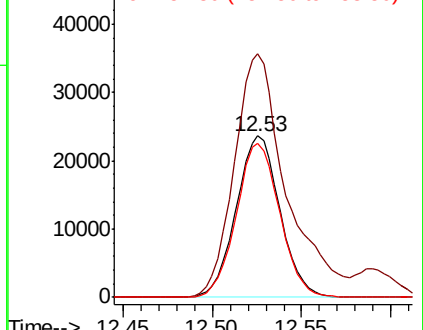
8/22/2018 11:18:43 AM



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: 4.54 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN050780.D

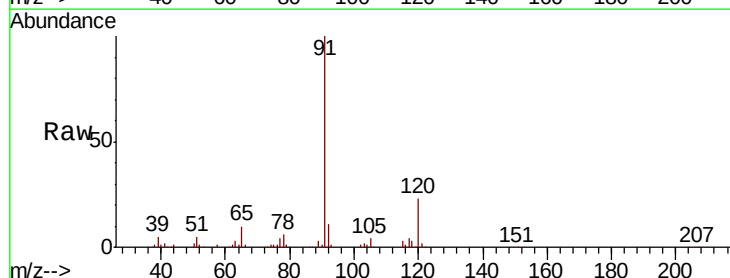
Acq: 21 Aug 2018 10:20

Tgt Ion: 91 Resp: 152226

Ion Ratio Lower Upper

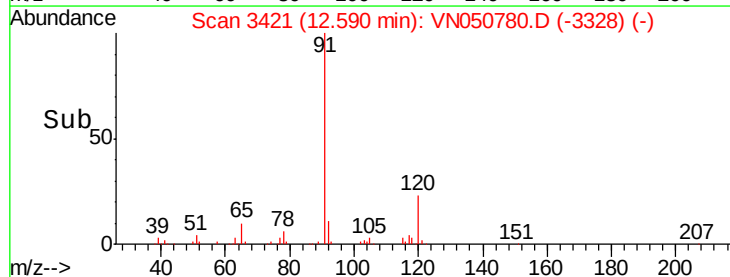
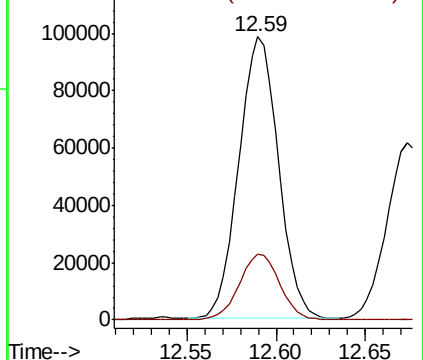
91 100

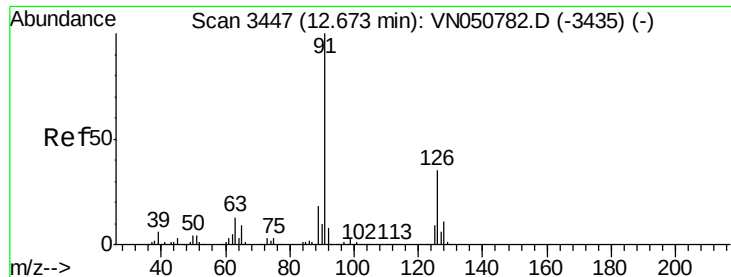
120 23.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.87 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 101754

Ion Ratio Lower Upper

91 100

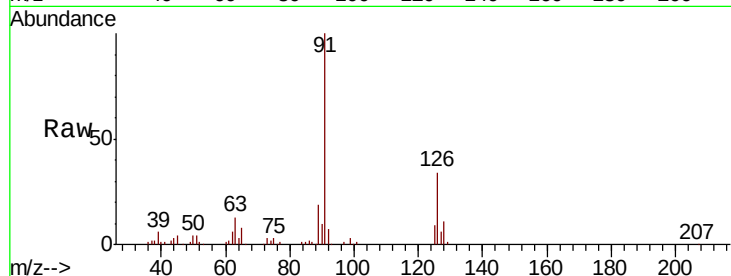
126 35.4 17.8 53.3

Manual Integrations

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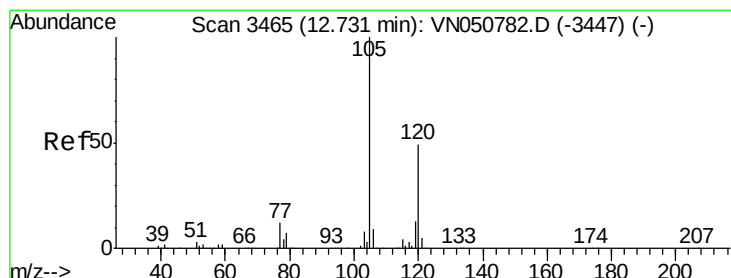
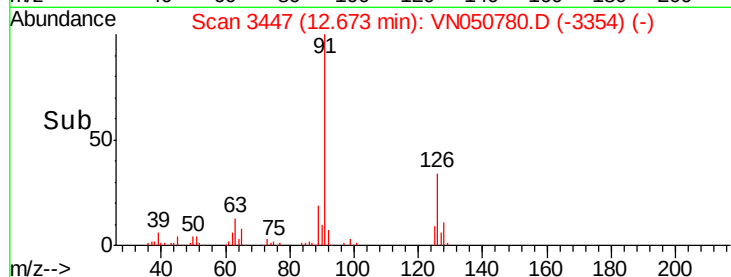
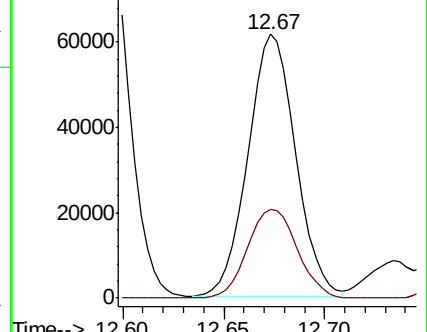
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8/22/2018 11:18:43 AM



Abundance Ion 91.00 (90.70 to 91.70): VN050780.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050780.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.66 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. 0.00 min

Lab File: VN050780.D

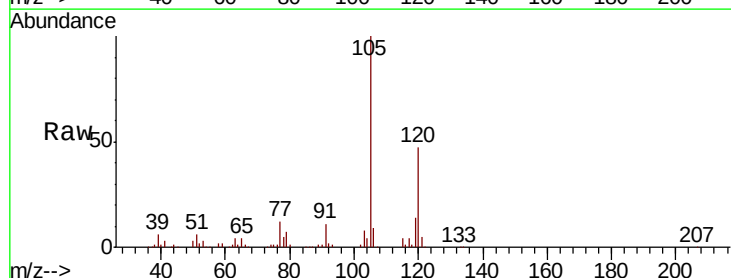
Acq: 21 Aug 2018 10:20

Tgt Ion: 105 Resp: 112945

Ion Ratio Lower Upper

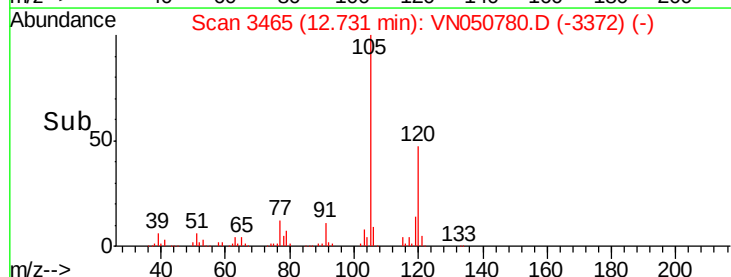
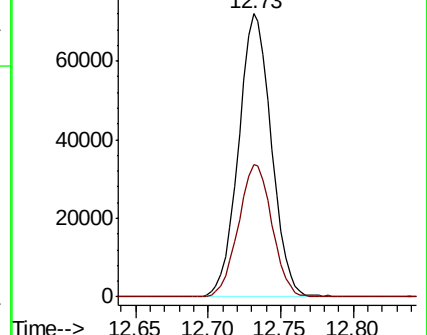
105 100

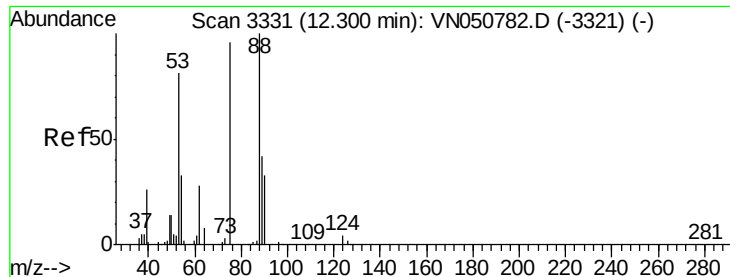
120 47.8 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN050780.D (-3372) (-)

Ion 120.00 (119.70 to 120.70): VN050780.D (-3372) (-)





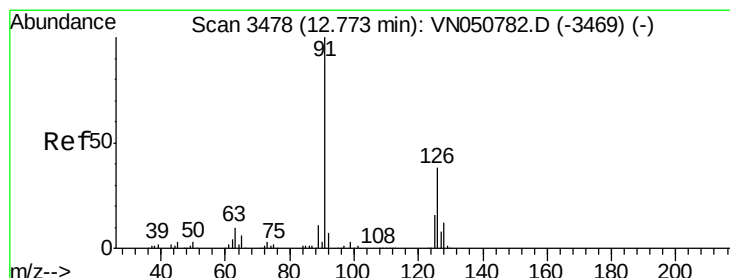
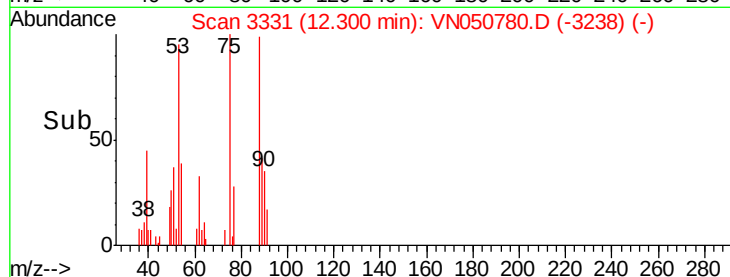
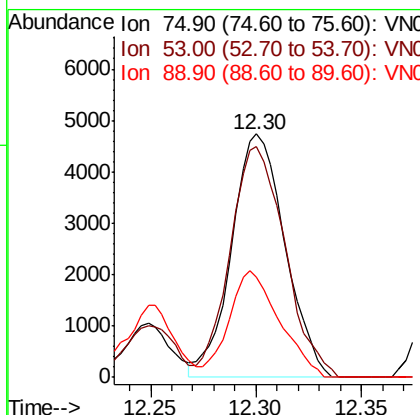
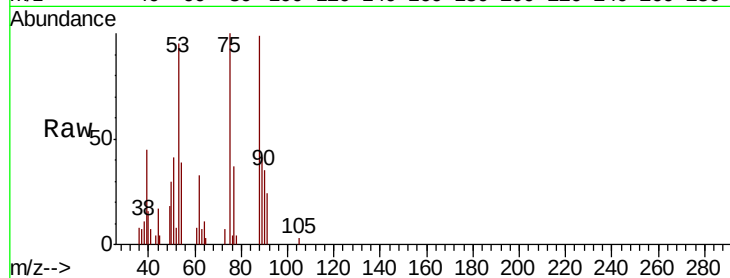
#81
trans-1,4-Dichloro-2-butene
Concen: 4.44 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.7	68.9	103.3
89	41.0	36.1	54.1

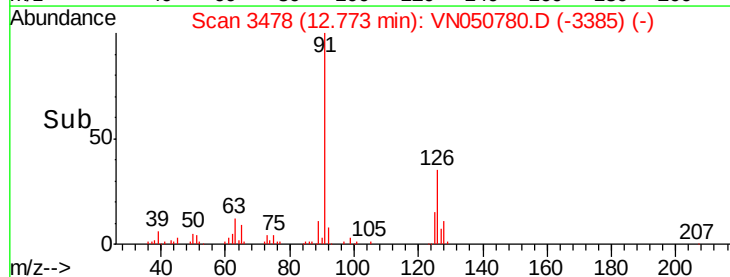
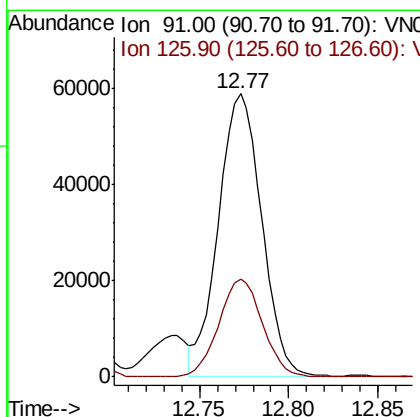
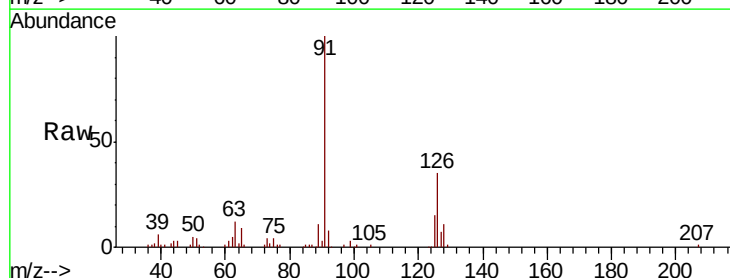
Manual Integrations
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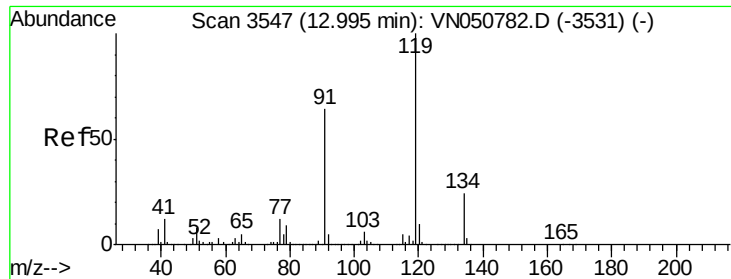
MMDadoda
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#82
4-Chlorotoluene
Concen: 4.77 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050780.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.5





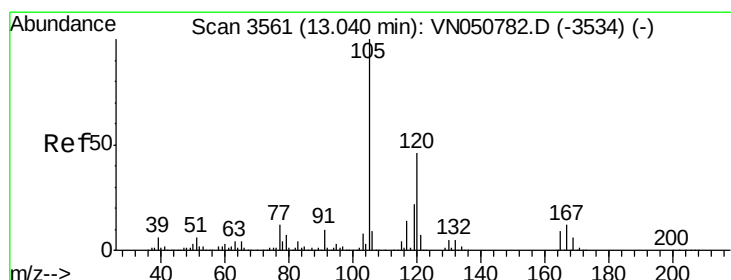
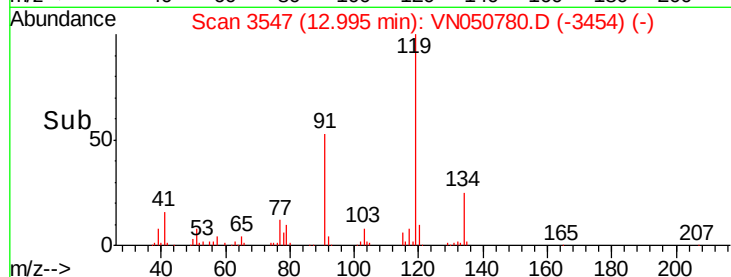
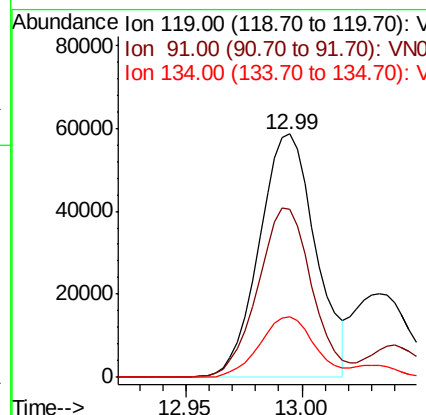
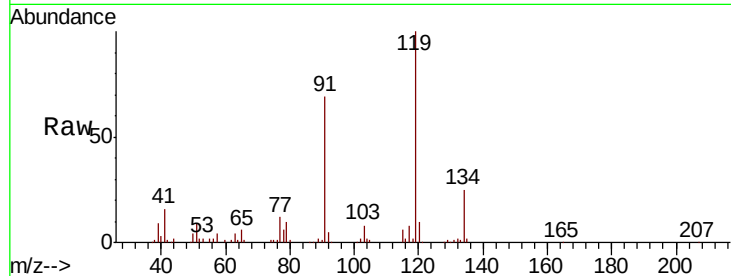
#83
 tert-Butylbenzene
 Concen: 4.73 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	31.6	94.7
134	24.5	13.4	40.1

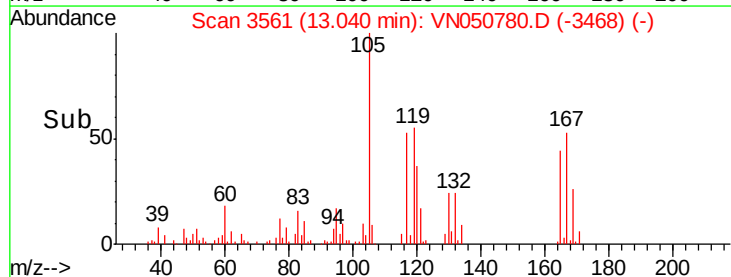
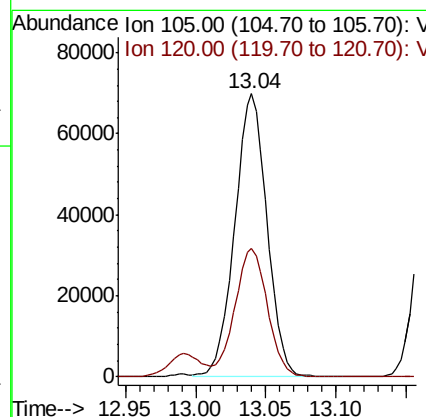
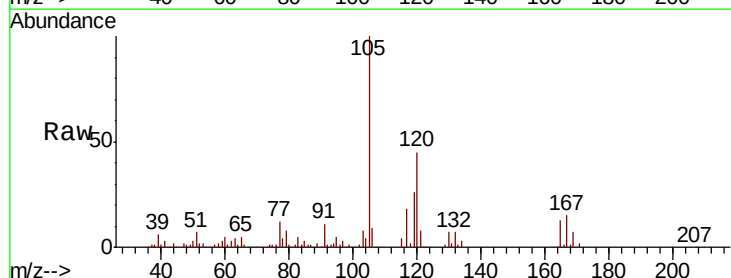
Manual Integrations
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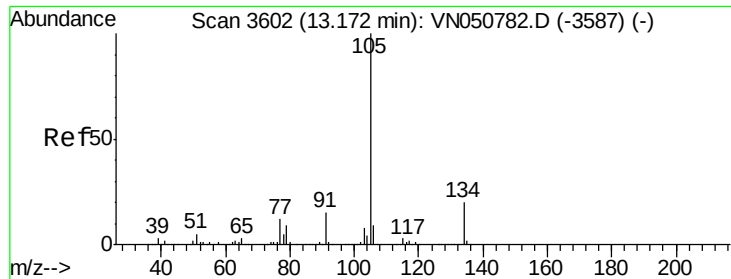
MMDadoda
 8/22/2018 11:18:43 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.58 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.8





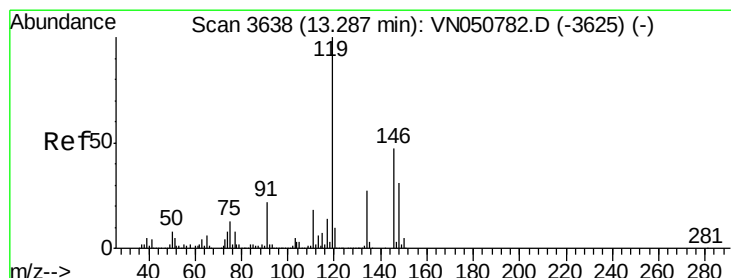
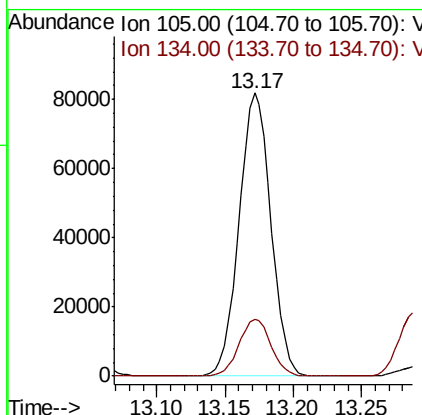
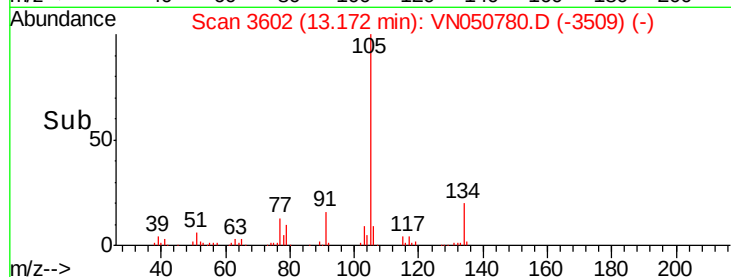
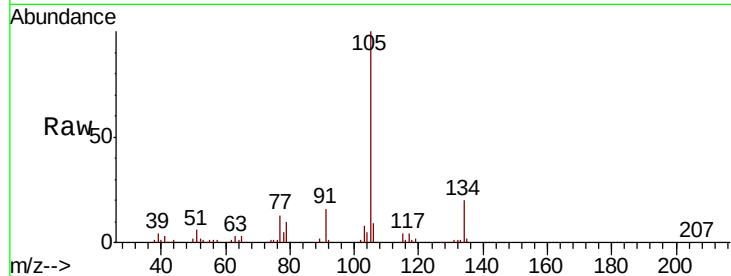
#85
 sec-Butylbenzene
 Concen: 4.80 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.3	30.8

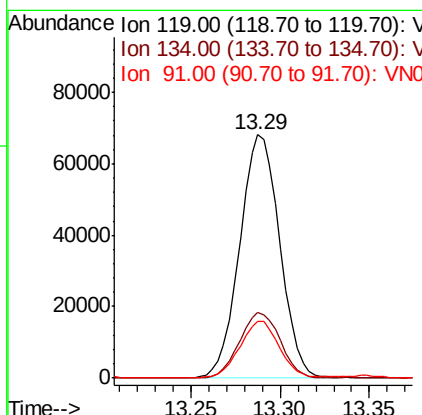
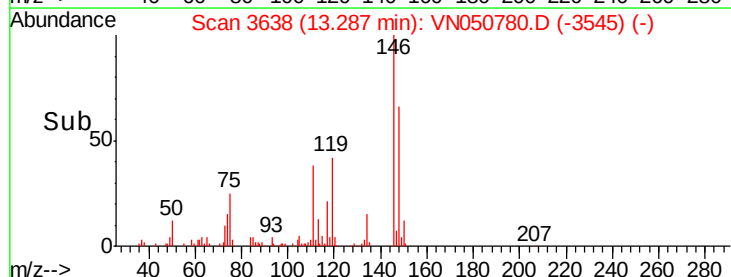
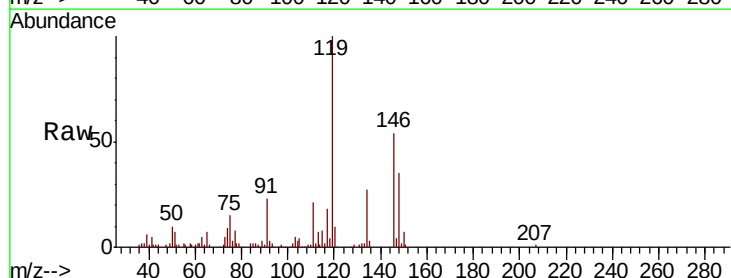
Manual Integrations
 APPROVED

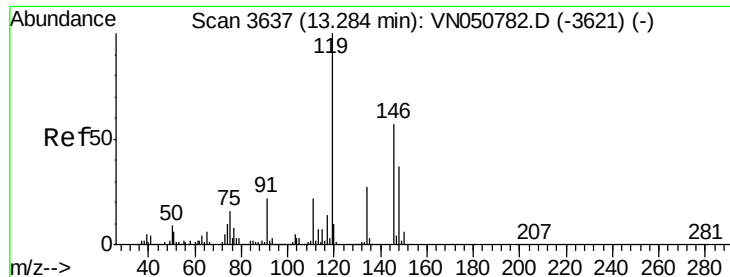
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 8/22/2018 11:18:43 AM



#86
 p-Isopropyltoluene
 Concen: 4.54 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.7	41.0
91	23.5	11.2	33.5





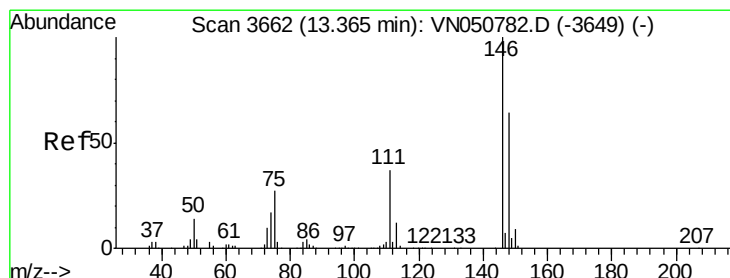
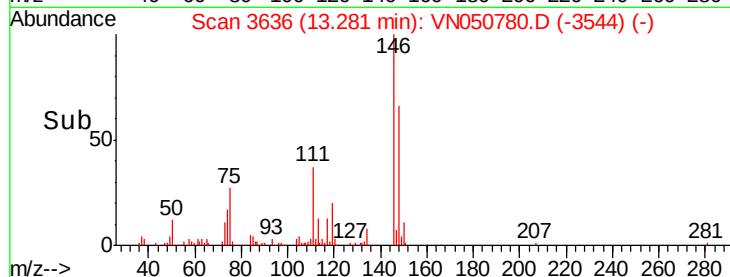
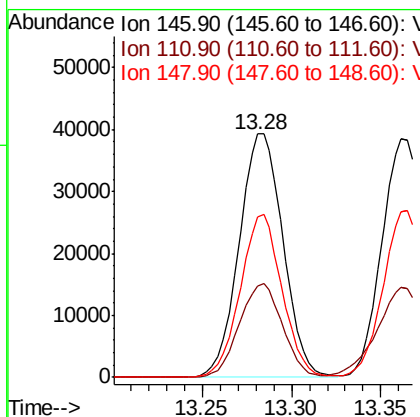
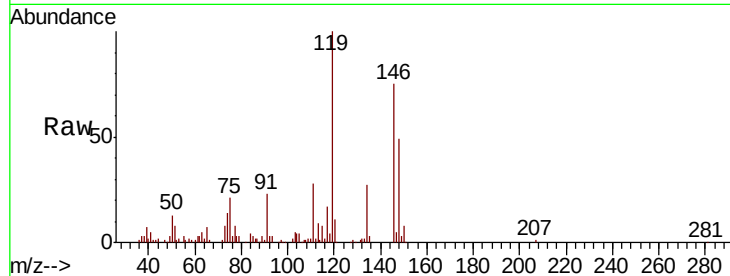
#87
 1,3-Dichlorobenzene
 Concen: 4.88 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.3
148	63.5	32.2	96.6

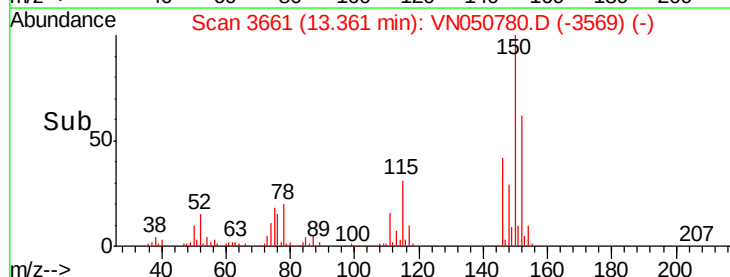
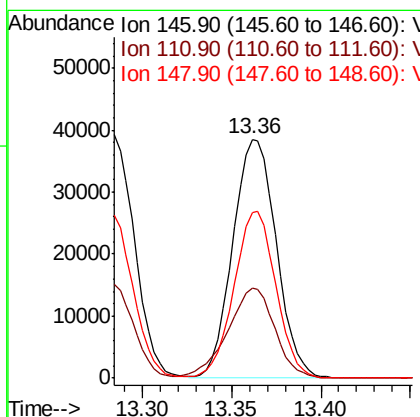
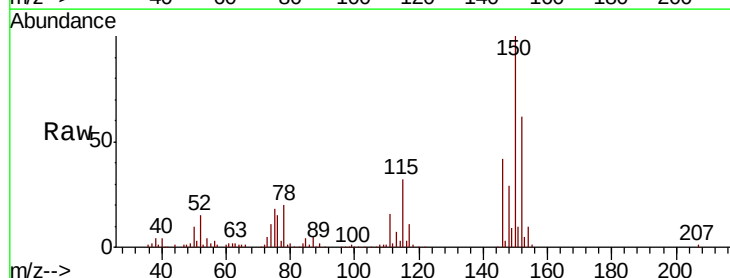
Manual Integrations
 APPROVED

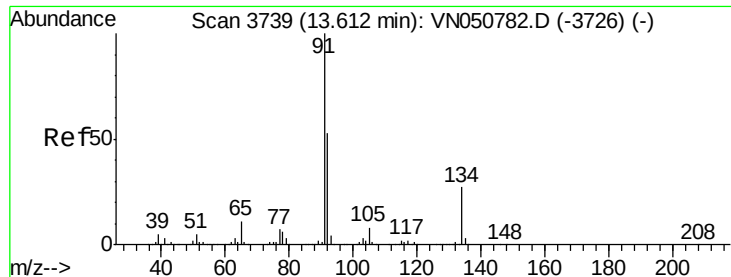
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#88
 1,4-Dichlorobenzene
 Concen: 4.80 ug/l
 RT: 13.36 min Scan# 3661
 Delta R.T. -0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	18.8	56.3
148	67.3	32.2	96.6





#89

n-Butylbenzene

Concen: 4.31 ug/l

RT: 13.61 min Scan# 3739

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

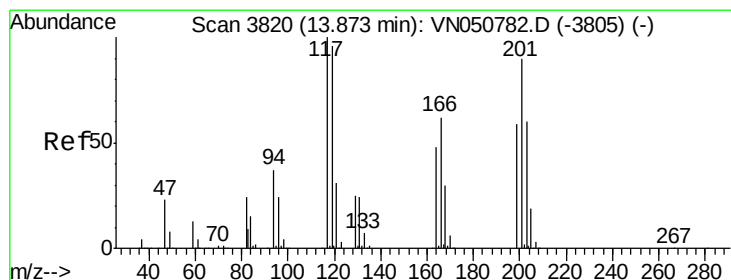
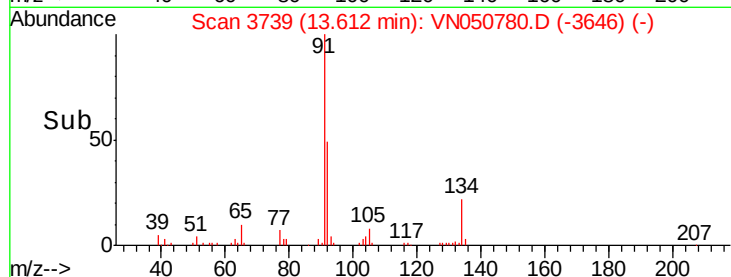
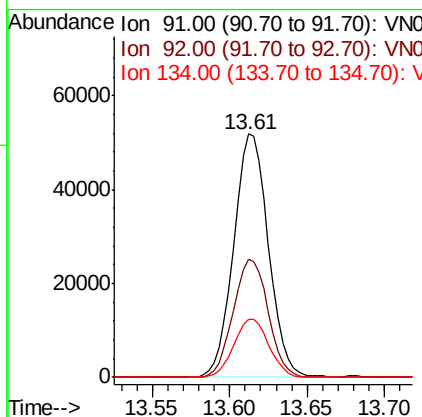
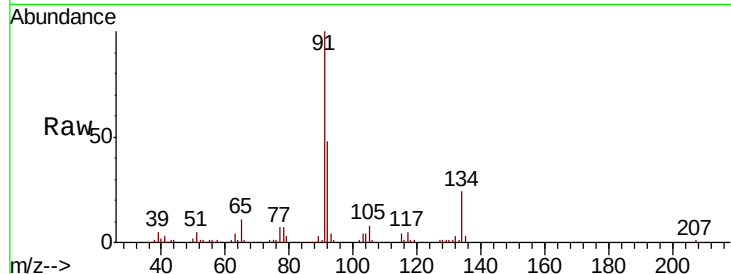
ClientSampled :

VSTDIC005

Tot Ion:	91	Resp:	80777
Ion	Ratio	Lower	Upper
91	100		
92	48.5	26.1	78.2
134	23.9	13.2	39.6

Manual Integrations
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#90

Hexachloroethane

Concen: 5.11 ug/l

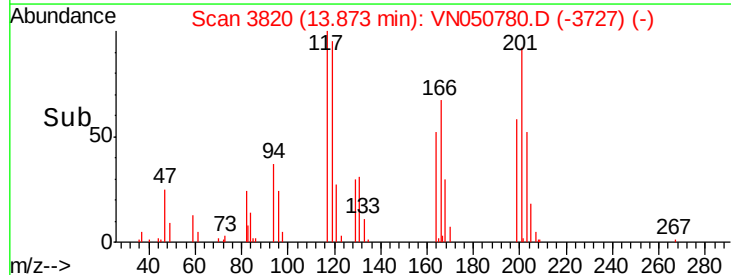
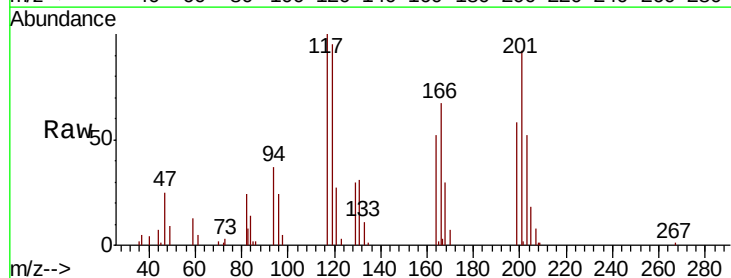
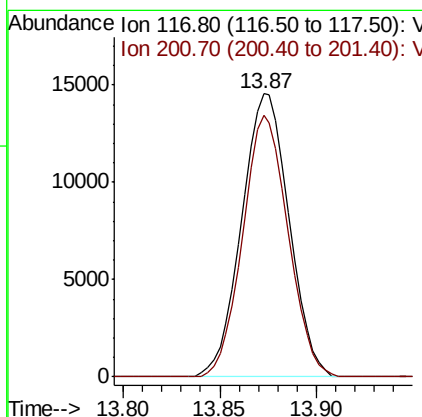
RT: 13.87 min Scan# 3820

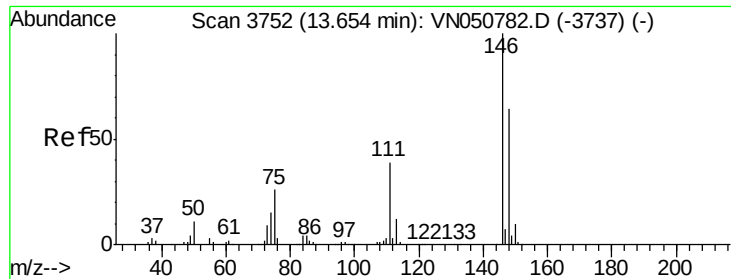
Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	117	Resp:	24781
Ion	Ratio	Lower	Upper
117	100		
201	88.4	46.0	137.8





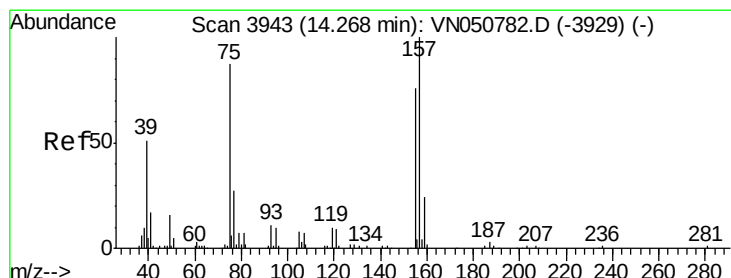
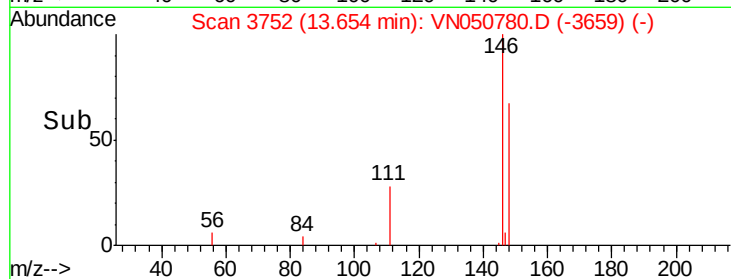
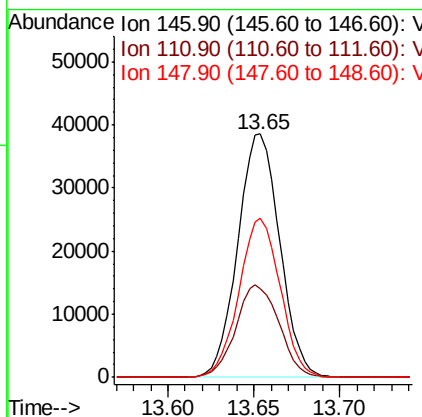
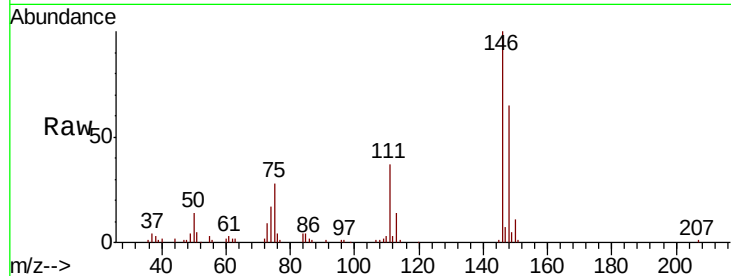
#91
 1,2-Dichlorobenzene
 Concen: 4.89 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	64.2	32.3	96.8

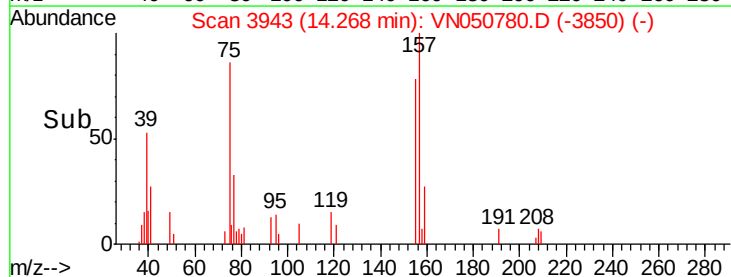
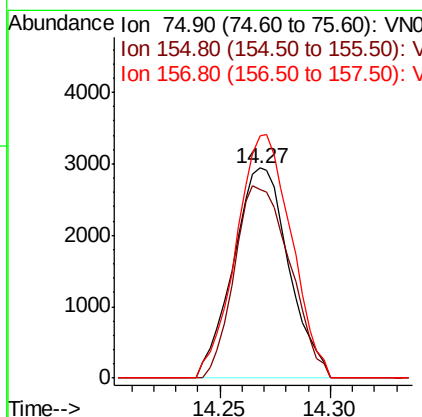
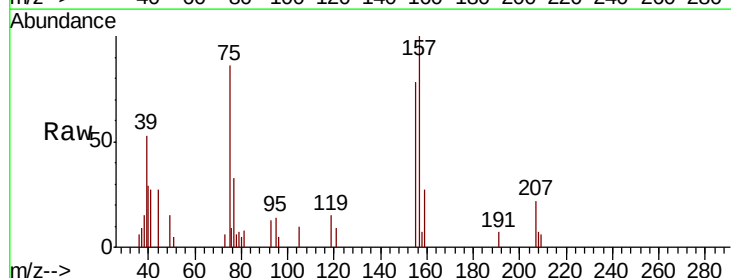
Manual Integrations
 APPROVED

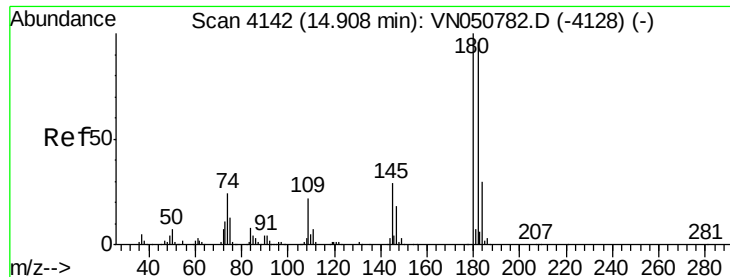
MMDadoda
 8/22/2018 11:18:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.75 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	46.4	139.1
157	115.3	60.7	182.0





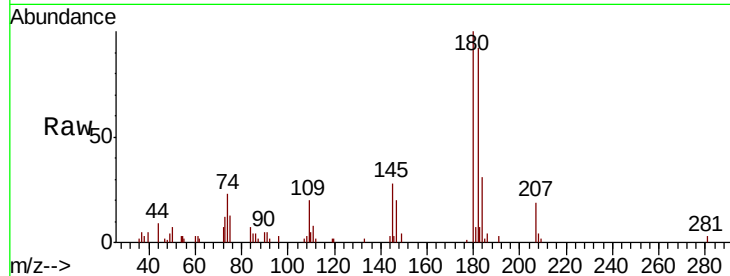
#93
 1,2,4-Trichlorobenzene
 Concen: 3.12 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion:	180	Resp:	18126
Ion Ratio	Lower	Upper	
180	100		
182	93.0	48.2	144.6
145	29.9	14.1	42.2

Manual Integrations
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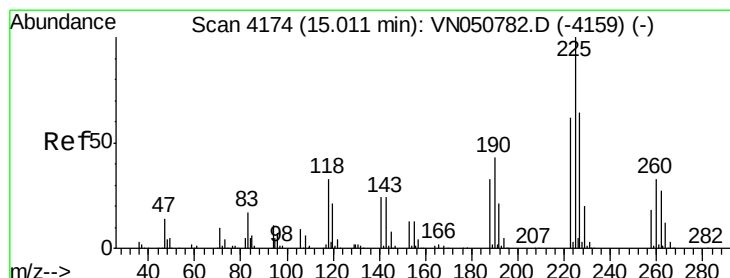
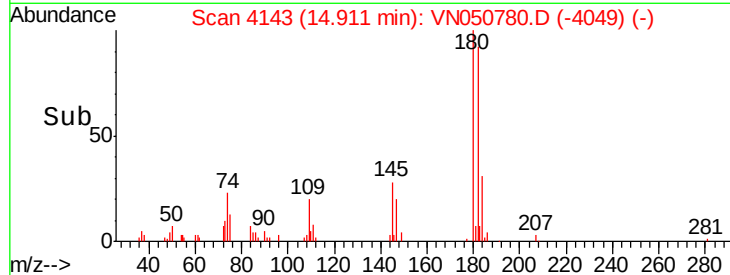
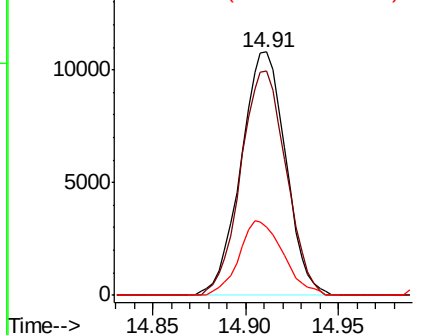


Abundance

Ion 179.80 (179.50 to 180.50): V

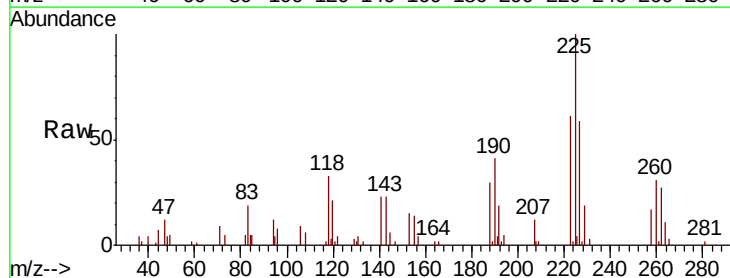
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.18 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050780.D
 Acq: 21 Aug 2018 10:20

Tgt Ion:	225	Resp:	22566
Ion Ratio	Lower	Upper	
225	100		
223	60.5	31.3	93.8
227	59.4	32.0	96.2

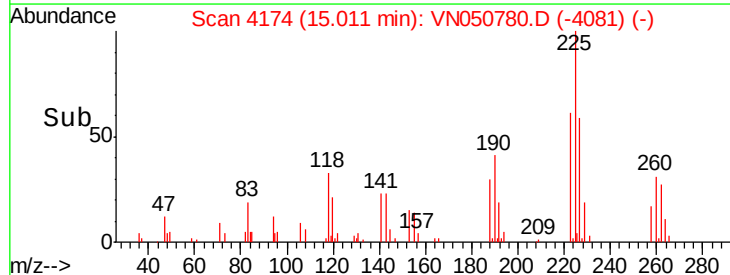
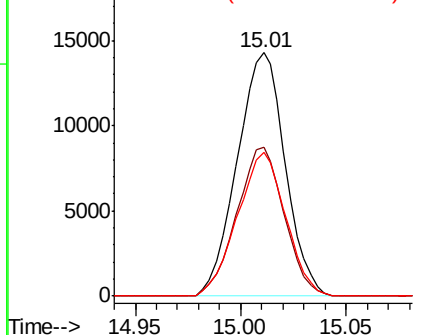


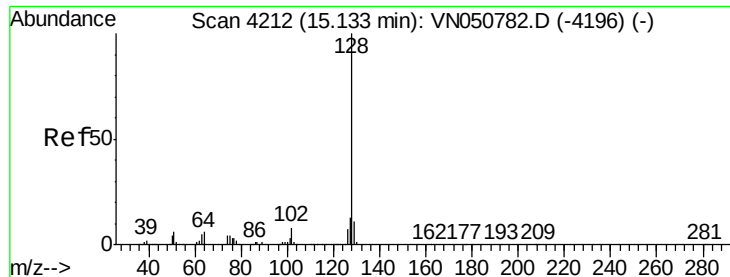
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.70 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_N

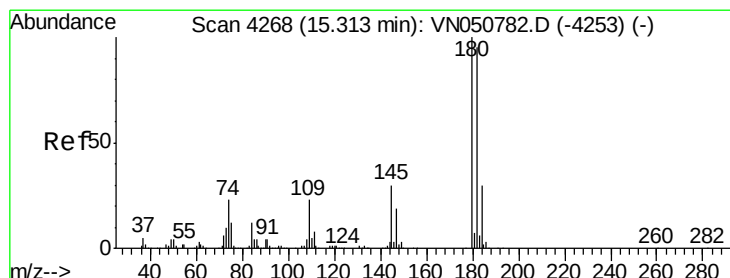
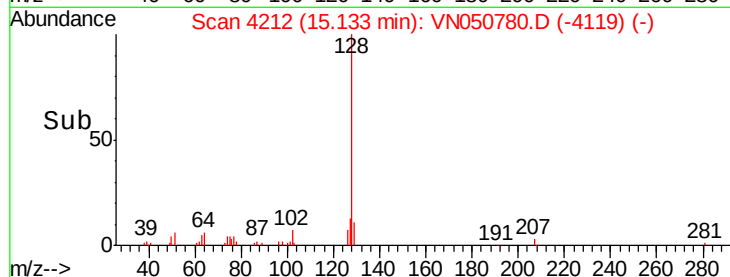
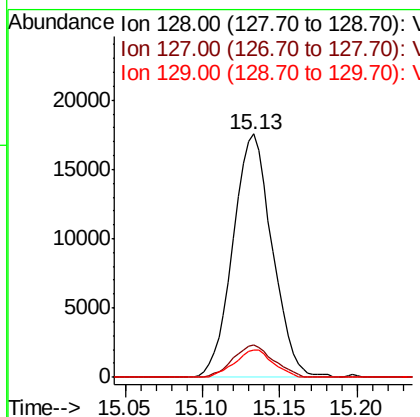
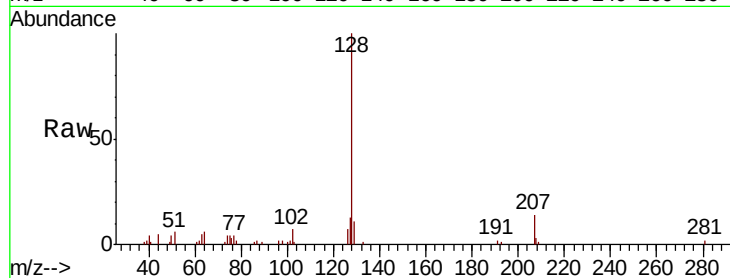
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	30942
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
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MMDadoda
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#96

1,2,3-Trichlorobenzene

Concen: 3.44 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050780.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	180	Resp:	19478
Ion Ratio	Lower	Upper	
180	100		
182	93.8	48.0	144.2
145	31.5	15.2	45.6

