

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050595.D
 Acq On : 14 Aug 2018 12:18
 Operator : MD\SY
 Sample : VN0814WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:25 PM

Quant Time: Aug 15 08:34:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	715777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1041625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	924848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	456013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	447232	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	7.59	113	415962	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.09	98	1540710	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.40	95	479897	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	155155	19.23	ug/l	98
3) Chloromethane	2.06	50	194795	19.51	ug/l	100
4) Vinyl Chloride	2.18	62	201512	18.80	ug/l	97
5) Bromomethane	2.56	94	104396	16.73	ug/l	96
6) Chloroethane	2.70	64	122475	19.60	ug/l	98
7) Trichlorofluoromethane	3.01	101	270273	19.22	ug/l	99
8) Diethyl Ether	3.41	74	91444	19.54	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	166805	19.61	ug/l	100
10) Methyl Iodide	3.95	142	109131	22.49	ug/l	99
11) Tert butyl alcohol	4.80	59	52206	105.97	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	149743	19.28	ug/l	99
13) Acrolein	3.61	56	17241	85.24	ug/l	96
14) Allyl chloride	4.33	41	234685	19.43	ug/l	99
15) Acrylonitrile	4.99	53	265786	98.23	ug/l	100
16) Acetone	3.82	43	251613	110.88	ug/l	99
17) Carbon Disulfide	4.05	76	467284	19.12	ug/l	100
18) Methyl Acetate	4.33	43	129800	19.88	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	400844	20.28	ug/l	100
20) Methylene Chloride	4.55	84	175333	19.67	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	166670	19.79	ug/l	96
22) Diisopropyl ether	5.96	45	512995	20.71	ug/l	99
23) Vinyl Acetate	5.90	43	1674161	103.33	ug/l	100
24) 1,1-Dichloroethane	5.85	63	306914	19.15	ug/l	100
25) 2-Butanone	6.84	43	391495	105.83	ug/l	98
26) 2,2-Dichloropropane	6.83	77	251295	23.42	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	184141	19.64	ug/l	98
28) Bromochloromethane	7.20	49	144404	19.80	ug/l	99
29) Tetrahydrofuran	7.22	42	201042	104.08	ug/l	99
30) Chloroform	7.37	83	305740	18.82	ug/l	97
31) Cyclohexane	7.66	56	271116	19.61	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	264783	19.37	ug/l	98
36) 1,1-Dichloropropene	7.80	75	232641	20.06	ug/l	100
37) Ethyl Acetate	6.93	43	146734	22.39	ug/l	99
38) Carbon Tetrachloride	7.78	117	235763	19.60	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	245427	20.44	ug/l	99
40) Benzene	8.04	78	708078	20.07	ug/l	100
41) Methacrylonitrile	7.20	41	100813m	28.45	ug/l	
42) 1,2-Dichloroethane	8.13	62	216369	20.01	ug/l	100
43) Isopropyl Acetate	8.17	43	240266	20.12	ug/l	# 87
44) Trichloroethene	8.84	130	184252	19.50	ug/l	99
45) 1,2-Dichloropropane	9.12	63	185795	19.78	ug/l	99
46) Dibromomethane	9.21	93	109679	19.78	ug/l	97
47) Bromodichloromethane	9.40	83	230295	19.43	ug/l	99
48) Methyl methacrylate	9.20	41	119262	19.84	ug/l	100
49) 1,4-Dioxane	9.20	88	31665	399.92	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	847553	104.92	ug/l	100
52) Toluene	10.16	92	426351	20.24	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	221157	20.03	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	265975	21.00	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	156799	19.93	ug/l	100
56) Ethyl methacrylate	10.43	69	181420	19.29	ug/l	98
57) 1,3-Dichloropropane	10.71	76	259458	20.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	437439	97.61	ug/l	100
59) 2-Hexanone	10.75	43	564093	108.19	ug/l	99
60) Dibromochloromethane	10.90	129	170363	19.62	ug/l	100
61) 1,2-Dibromoethane	11.01	107	147750	19.72	ug/l	100
64) Tetrachloroethene	10.63	164	167560	19.51	ug/l	97
65) Chlorobenzene	11.43	112	455240	19.78	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	170323	19.74	ug/l	99
67) Ethyl Benzene	11.51	91	749753	20.17	ug/l	100
68) m/p-Xylenes	11.62	106	584052	41.09	ug/l	99
69) o-Xylene	11.95	106	274279	20.24	ug/l	99
70) Styrene	11.96	104	444909	19.05	ug/l	100
71) Bromoform	12.13	173	112475	19.66	ug/l	# 99
73) Isopropylbenzene	12.25	105	728690	20.45	ug/l	100
74) N-amyl acetate	12.07	43	190171	20.52	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	183634	20.84	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	142348m	18.68	ug/l	
77) Bromobenzene	12.53	156	188131	19.45	ug/l	99
78) n-propylbenzene	12.59	91	815566	20.53	ug/l	99
79) 2-Chlorotoluene	12.68	91	496098	20.03	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	596235	20.90	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	43228	21.08	ug/l	98
82) 4-Chlorotoluene	12.77	91	499404	20.40	ug/l	100
83) tert-Butylbenzene	12.99	119	491889	19.86	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	607422	21.22	ug/l	99
85) sec-Butylbenzene	13.17	105	663972	20.52	ug/l	99
86) p-Isopropyltoluene	13.29	119	574202	20.94	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	323170	19.63	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	315301	19.29	ug/l	100
89) n-Butylbenzene	13.62	91	439626	19.86	ug/l	99
90) Hexachloroethane	13.88	117	101455	18.40	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	311218	19.37	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26018	20.47	ug/l	96

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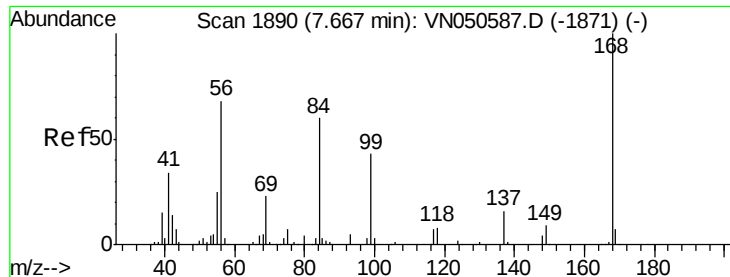
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139563	18.70	ug/l	100
94) Hexachlorobutadiene	15.01	225	97895	19.87	ug/l	98
95) Naphthalene	15.13	128	274685	18.31	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	136902	19.03	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion:168 Resp: 715777

Ion Ratio Lower Upper

168 100

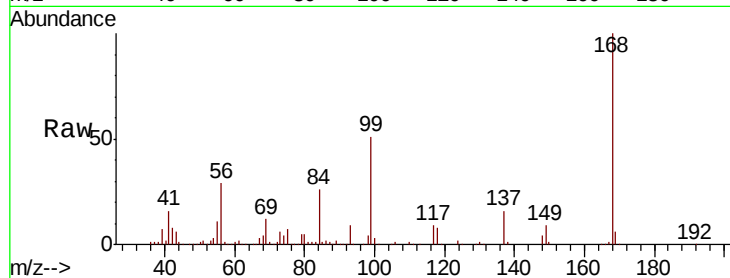
99 50.2 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

200000

100000

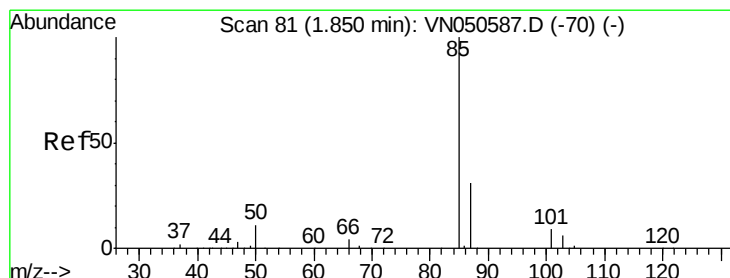
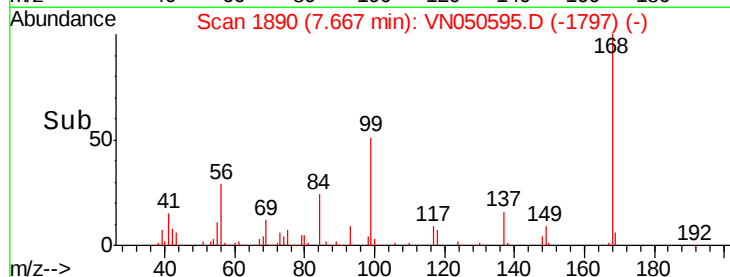
0

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.23 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050595.D

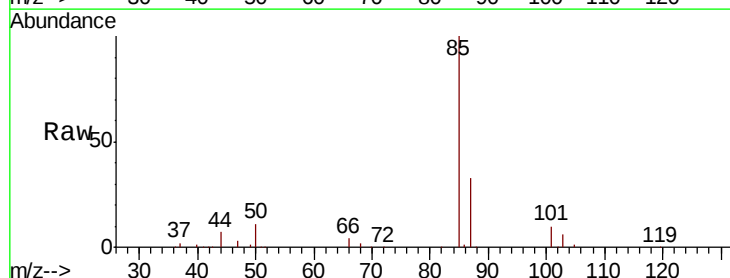
Acq: 14 Aug 2018 12:18

Tgt Ion: 85 Resp: 155155

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

40000

20000

0

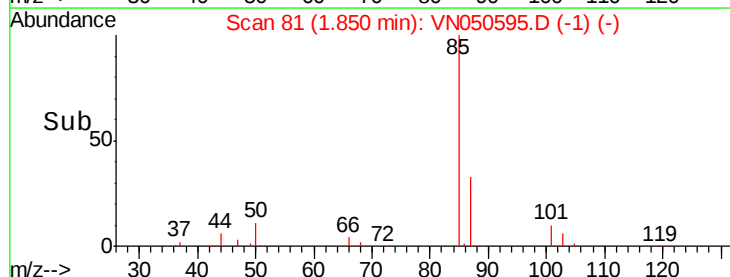
1.80

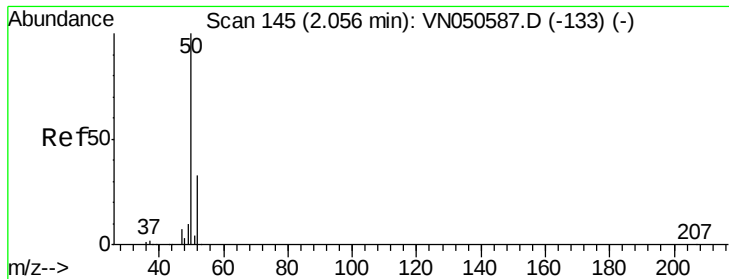
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 19.51 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion: 50 Resp: 194795

Ion Ratio Lower Upper

50 100

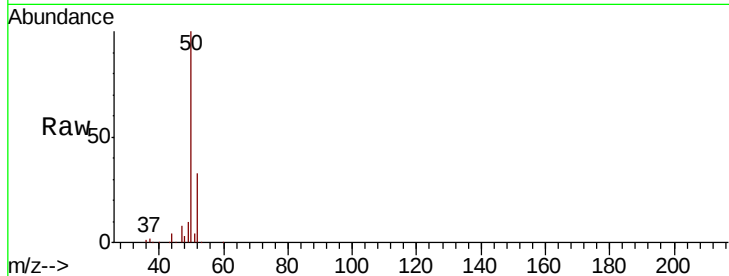
52 32.6 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

150000

100000

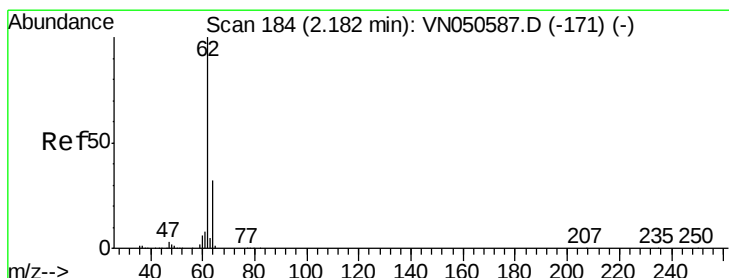
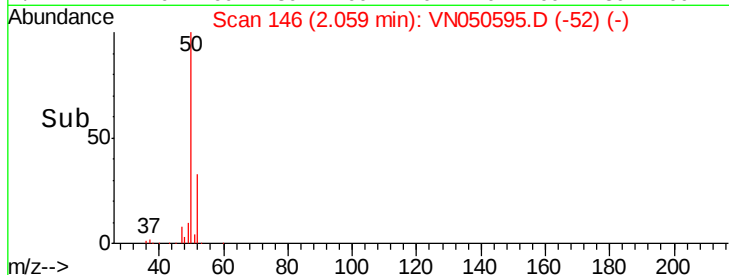
50000

0

2.06

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 18.80 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050595.D

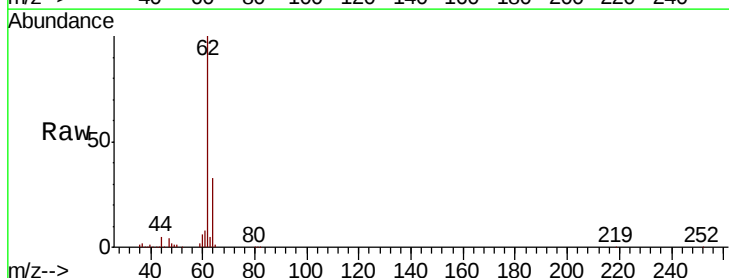
Acq: 14 Aug 2018 12:18

Tgt Ion: 62 Resp: 201512

Ion Ratio Lower Upper

62 100

64 32.9 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

150000

100000

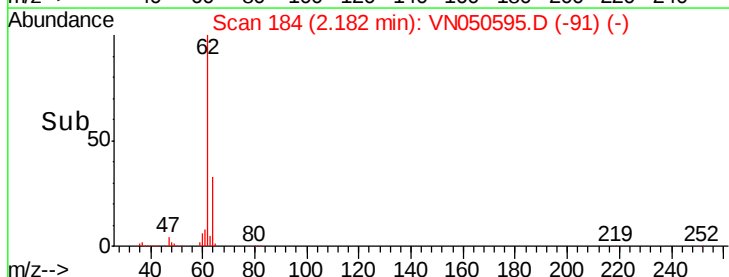
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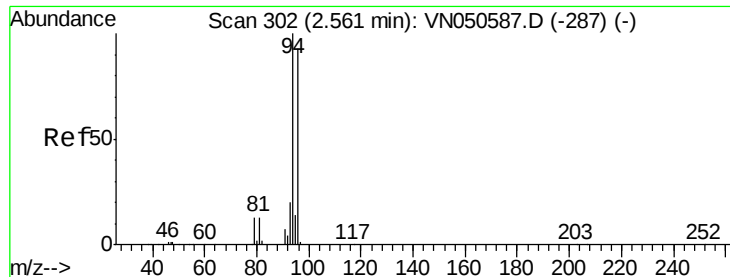
0

2.18

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 16.73 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion: 94 Resp: 104396

Ion Ratio Lower Upper

94 100

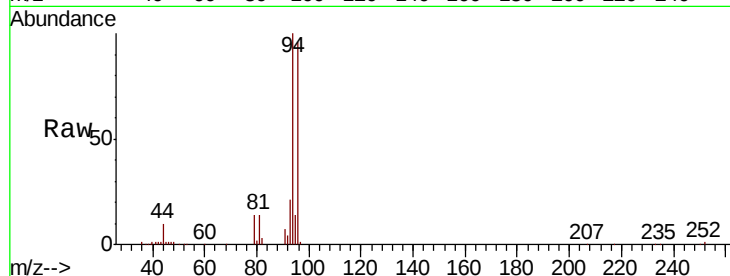
96 96.1 74.0 111.0

Manual Integrations

APPROVED

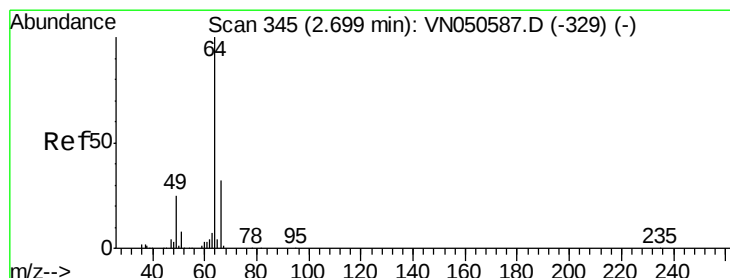
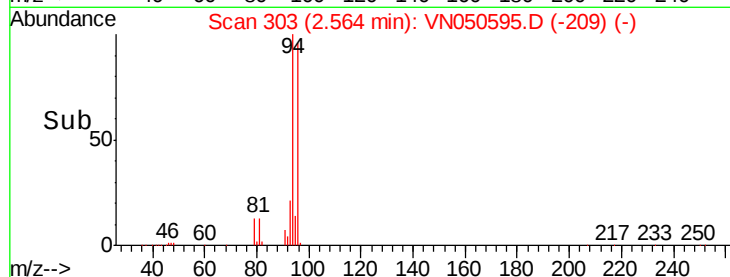
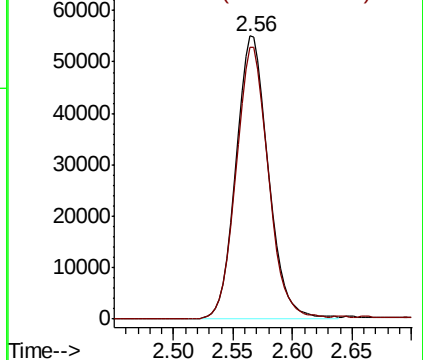
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.60 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050595.D

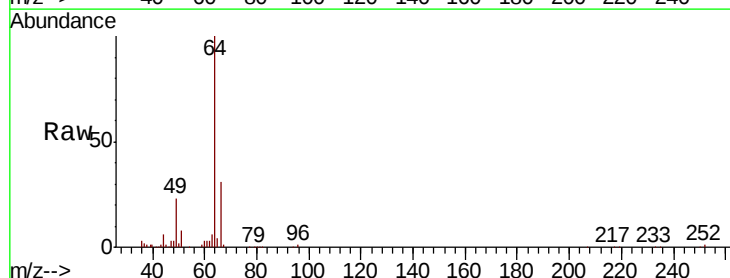
Acq: 14 Aug 2018 12:18

Tgt Ion: 64 Resp: 122475

Ion Ratio Lower Upper

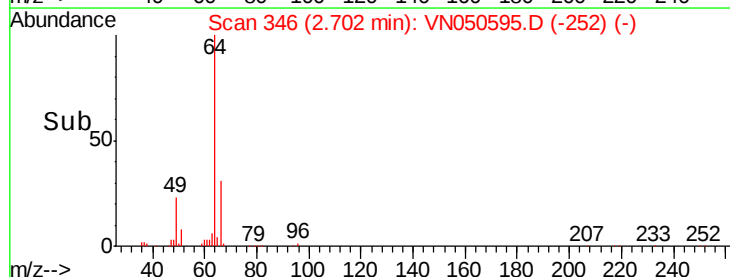
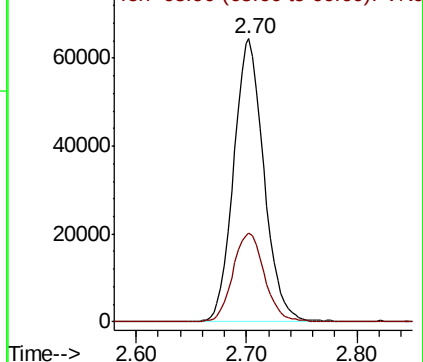
64 100

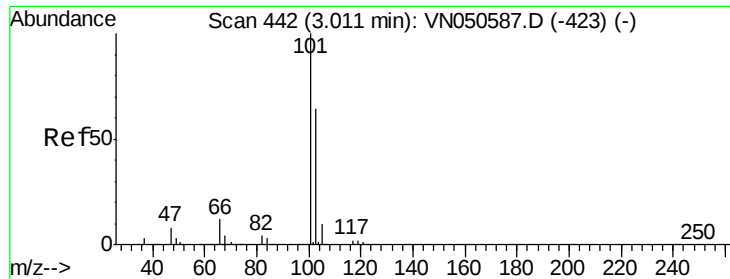
66 31.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

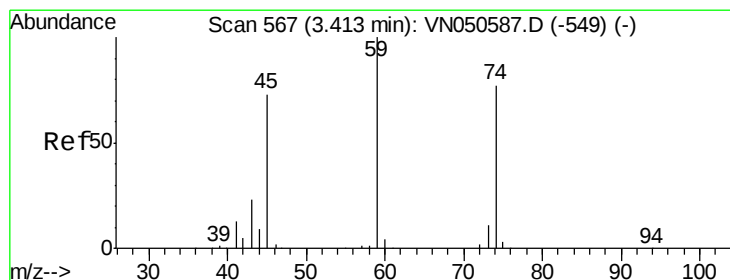
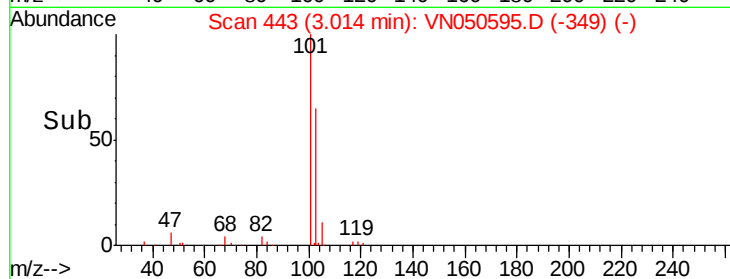
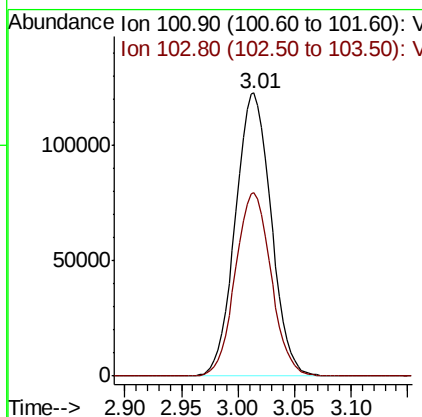
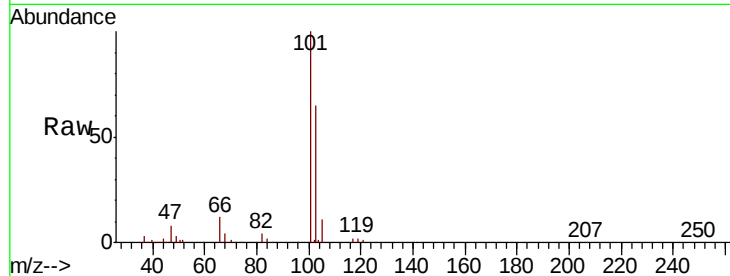
Trichlorofluoromethane
 Concen: 19.22 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
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 VN0814WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.4	77.0

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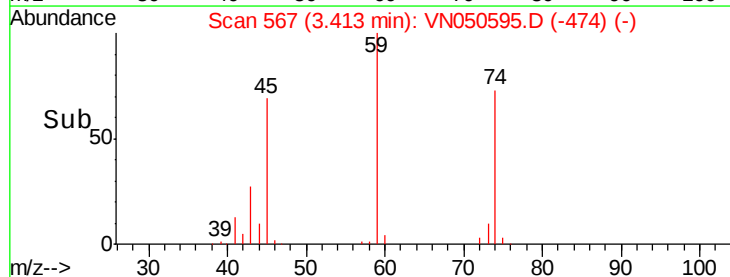
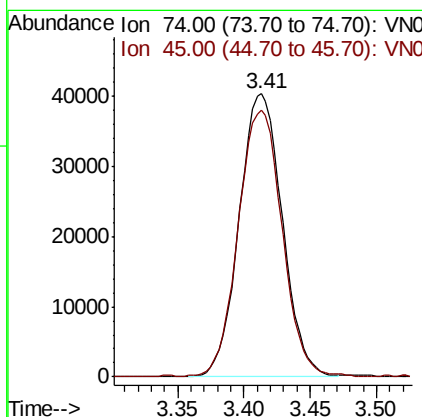
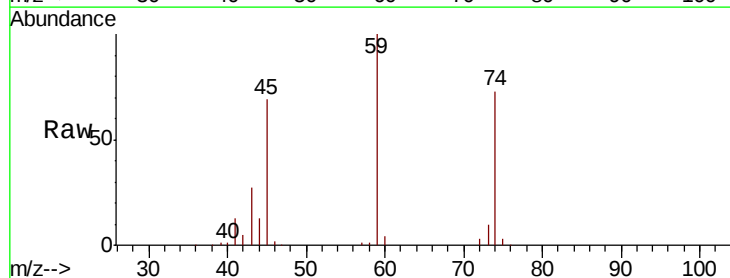
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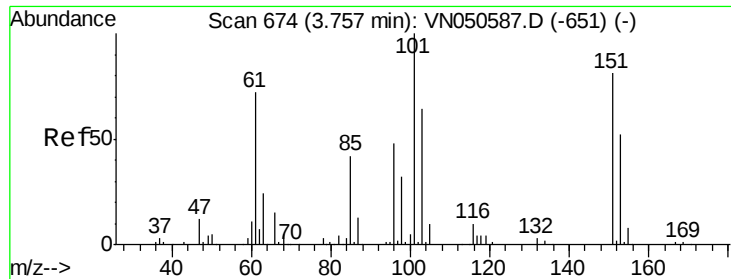


#8

Diethyl Ether
 Concen: 19.54 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	48.0	144.2





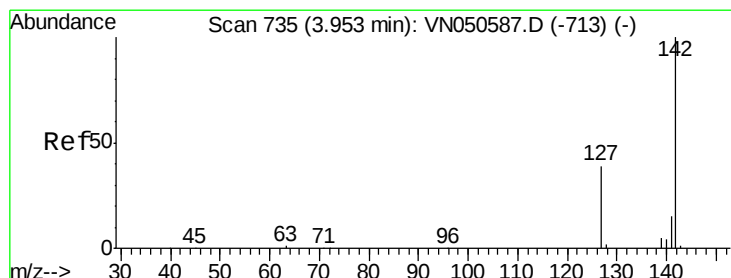
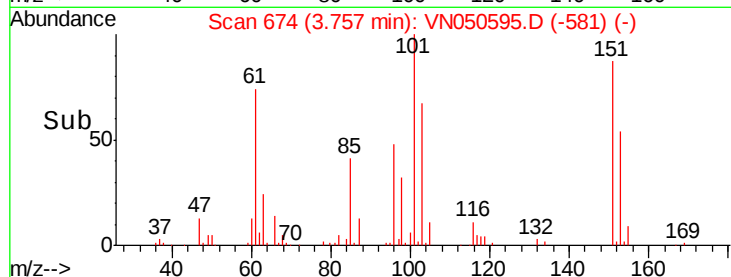
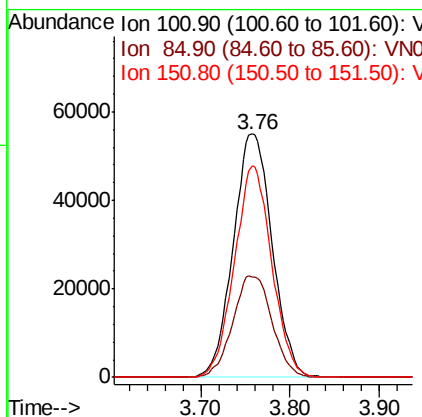
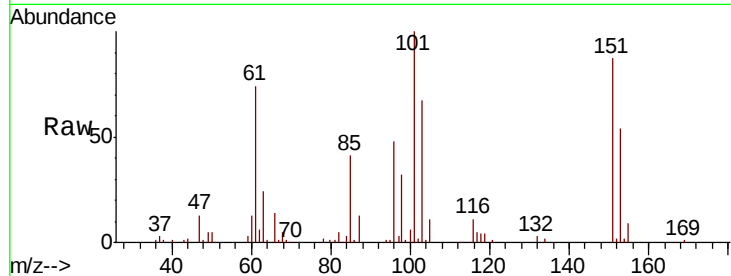
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.61 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	166805		
85	42.0		33.4	50.0
151	83.3		66.6	100.0

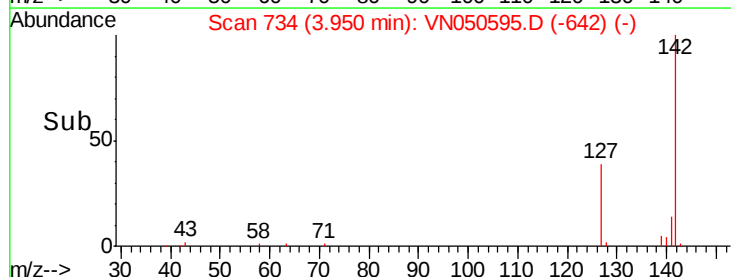
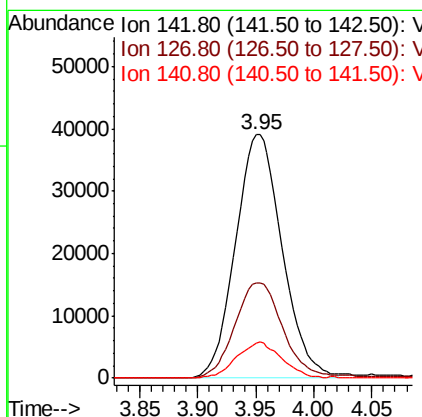
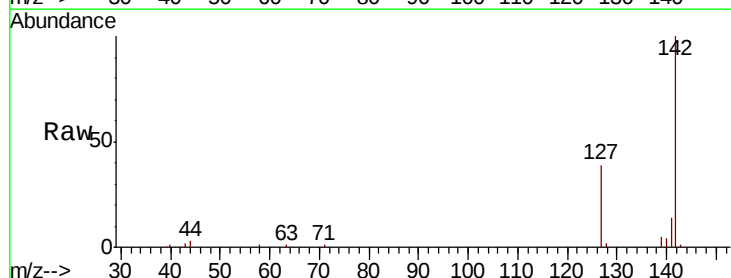
Manual Integrations
 APPROVED

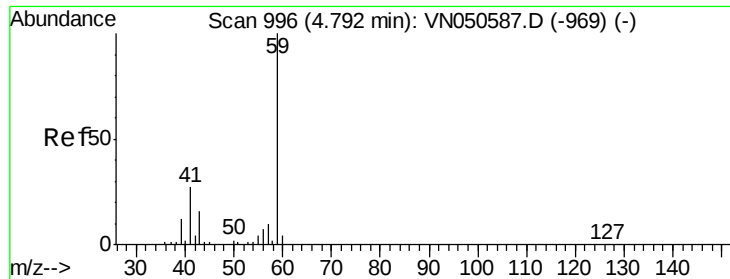
MMDadoda
 8/15/2018 3:31:25 PM



#10
 Methyl Iodide
 Concen: 22.49 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	109131		
127	40.3		32.6	49.0
141	14.4		11.5	17.3





#11

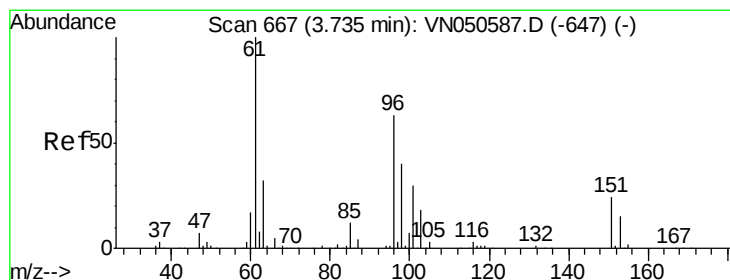
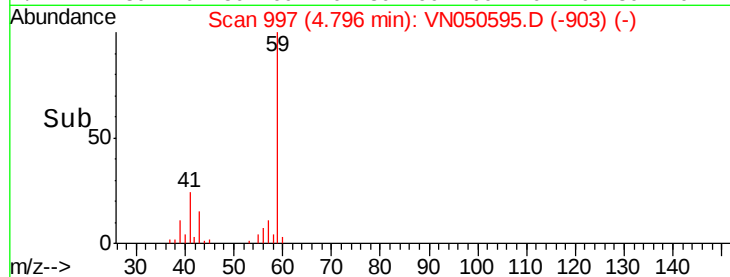
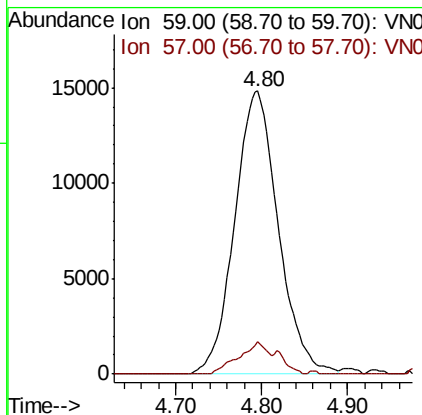
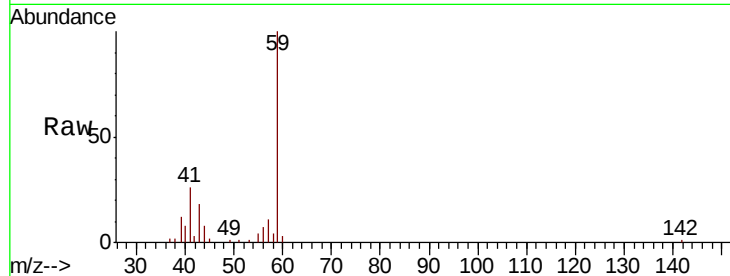
Tert butyl alcohol
 Concen: 105.97 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion: 59 Resp: 52206
 Ion Ratio Lower Upper
 59 100
 57 7.5 8.4 12.6#

Manual Integrations
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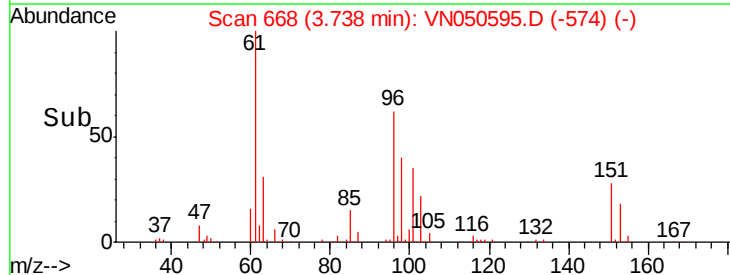
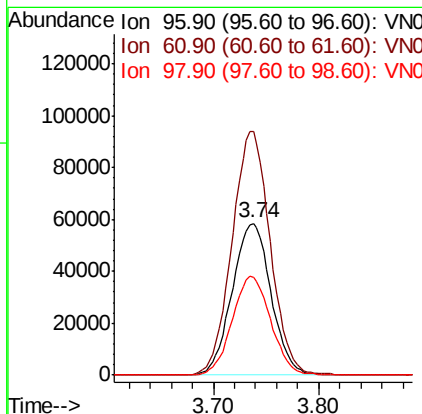
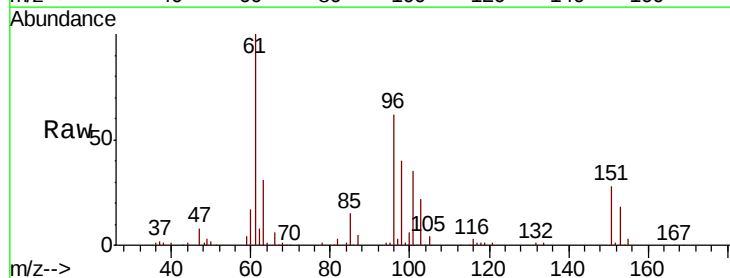
MMDadoda
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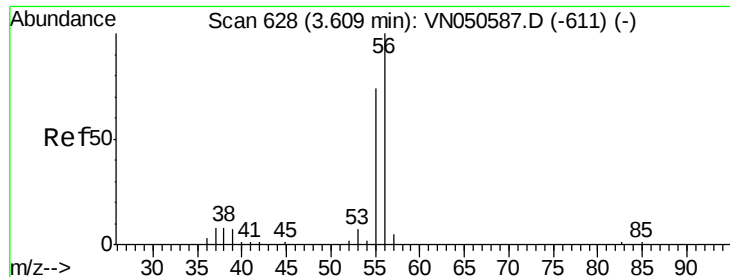


#12

1,1-Dichloroethene
 Concen: 19.28 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion: 96 Resp: 149743
 Ion Ratio Lower Upper
 96 100
 61 160.1 126.9 190.3
 98 64.3 51.1 76.7





#13

Acrolein

Concen: 85.24 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion: 56 Resp: 17241

Ion Ratio Lower Upper

56 100

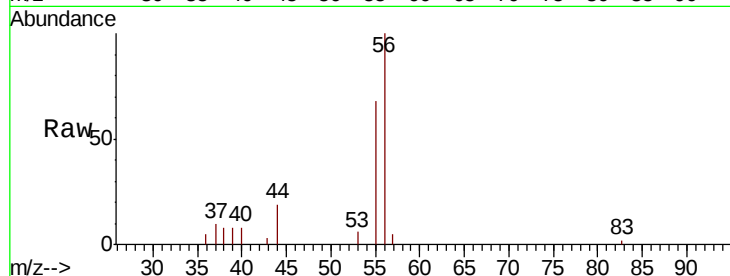
55 74.0 56.3 84.5

Manual Integrations

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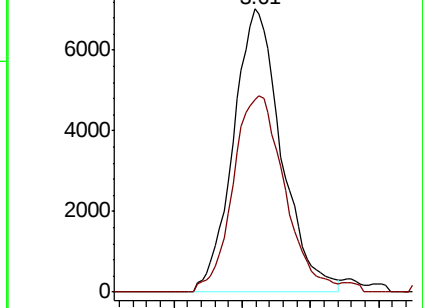
MMDadoda

8/15/2018 3:31:25 PM

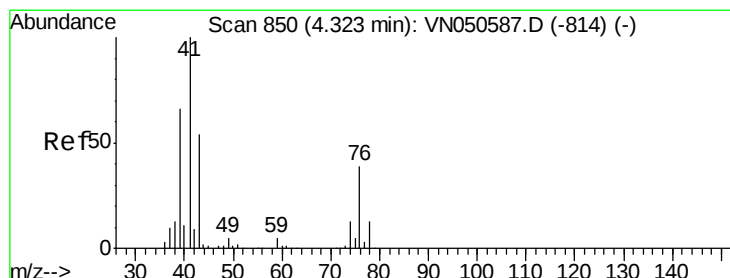
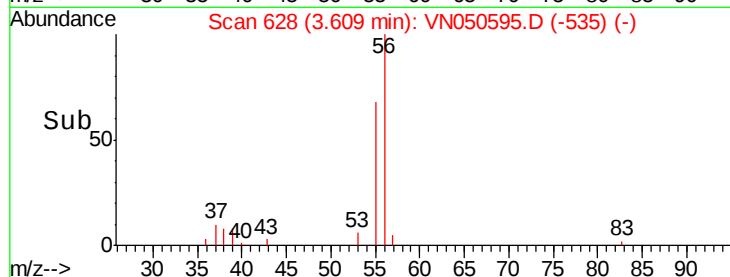


Abundance Ion 56.00 (55.70 to 56.70): VN050587.D (-611) (-)

Ion 55.00 (54.70 to 55.70): VN050587.D (-611) (-)



Time-->



#14

Allyl chloride

Concen: 19.43 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

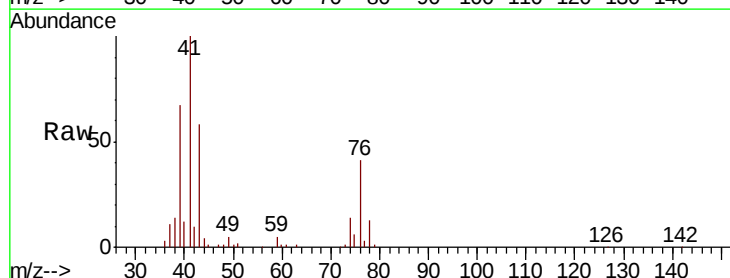
Tgt Ion: 41 Resp: 234685

Ion Ratio Lower Upper

41 100

39 64.8 51.4 77.0

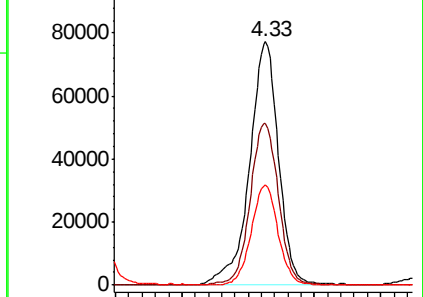
76 37.4 29.4 44.0



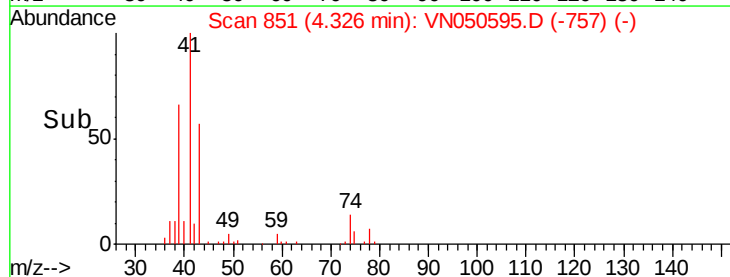
Abundance Ion 41.00 (40.70 to 41.70): VN050587.D (-814) (-)

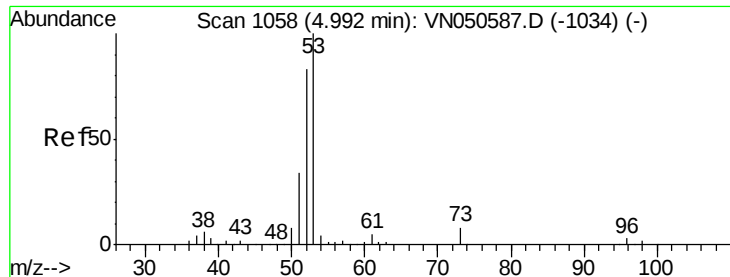
Ion 39.00 (38.70 to 39.70): VN050587.D (-814) (-)

Ion 75.90 (75.60 to 76.60): VN050587.D (-814) (-)



Time-->





#15

Acrylonitrile

Concen: 98.23 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

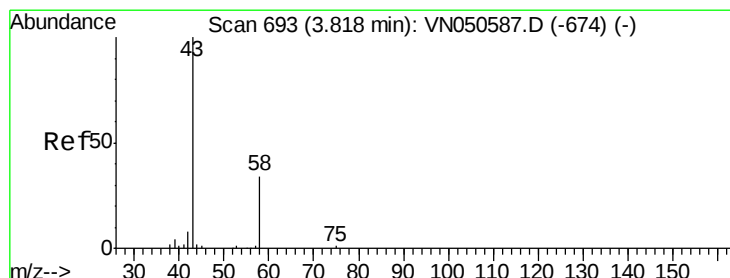
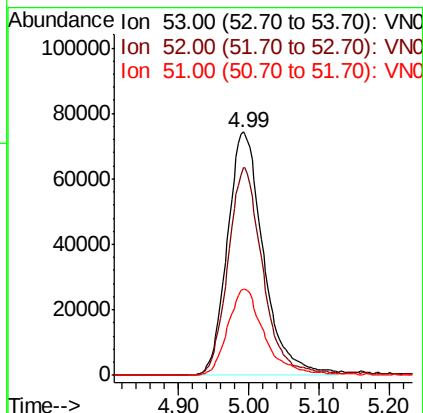
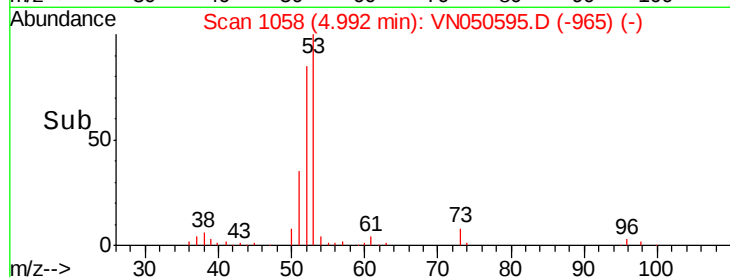
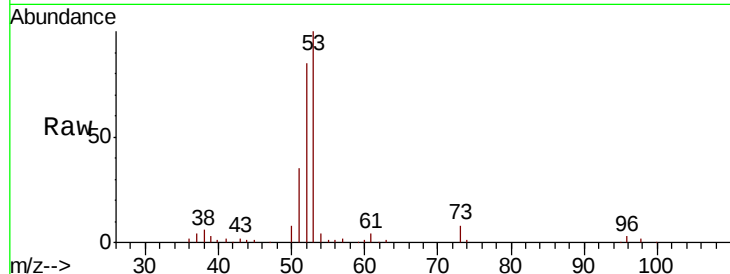
ClientSampleId :

VN0814WBS01

Tot Ion:	53	Resp:	265786
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.2	99.2
51	36.1	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 110.88 ug/l

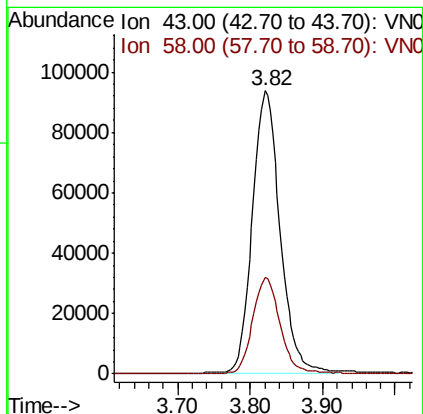
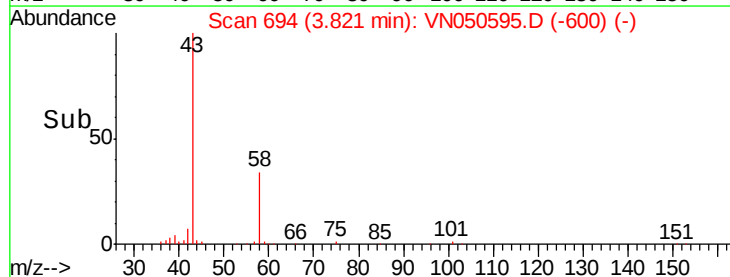
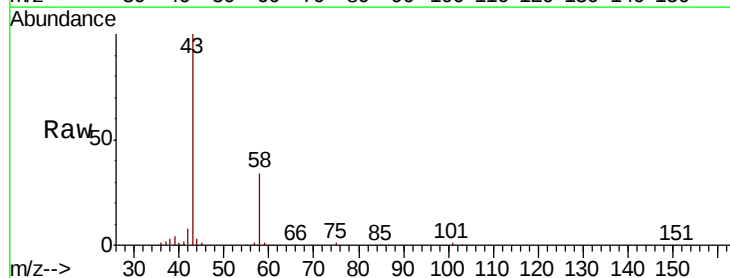
RT: 3.82 min Scan# 694

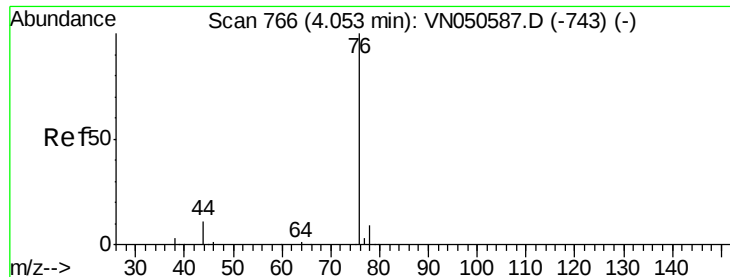
Delta R.T. 0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Tgt Ion:	43	Resp:	251613
Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.1	40.7





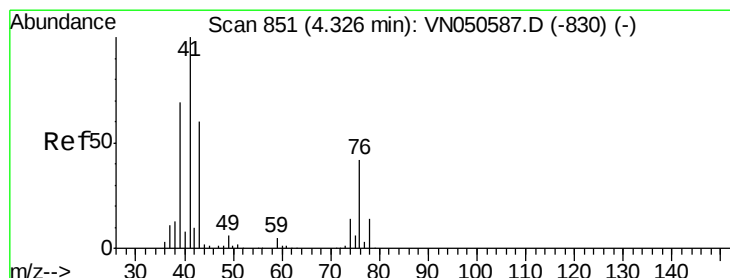
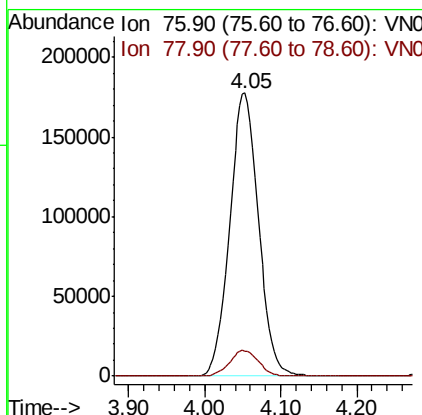
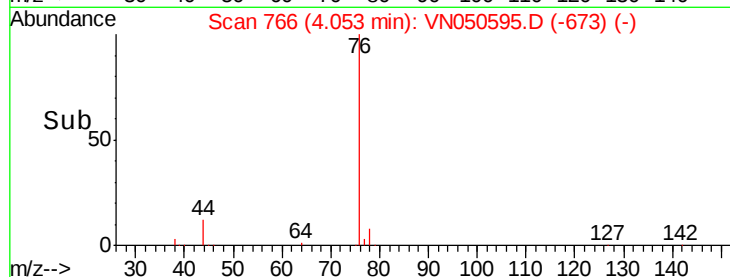
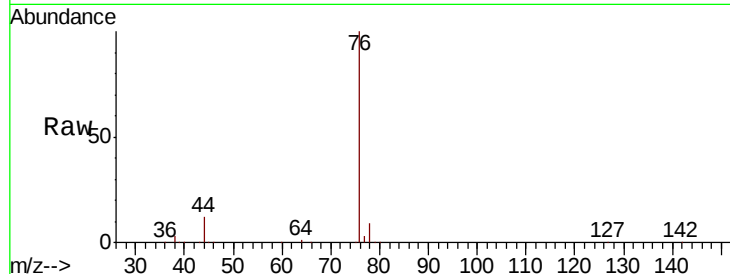
#17
Carbon Disulfide
Concen: 19.12 ug/l
RT: 4.05 min Scan# 766
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

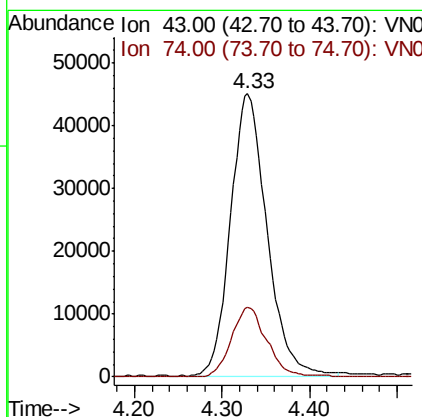
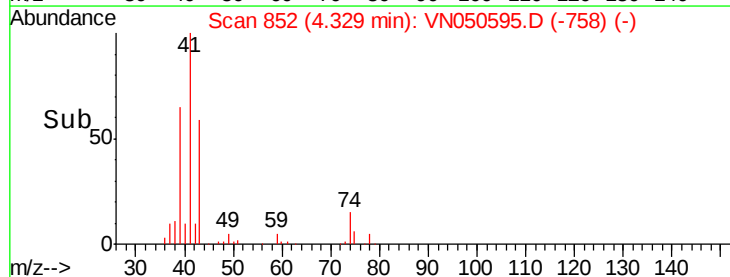
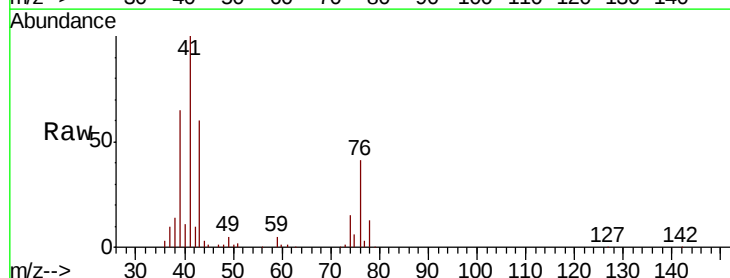
Manual Integrations
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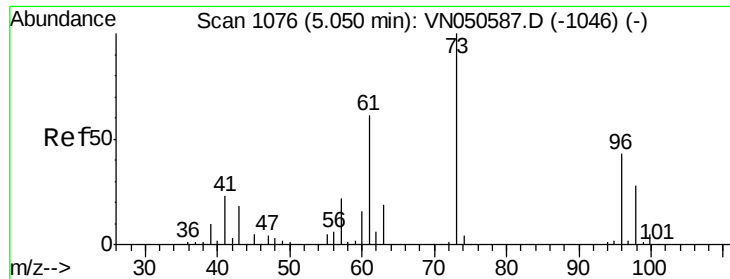
MMDadoda
8/15/2018 3:31:25 PM



#18
Methyl Acetate
Concen: 19.88 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.7	29.5





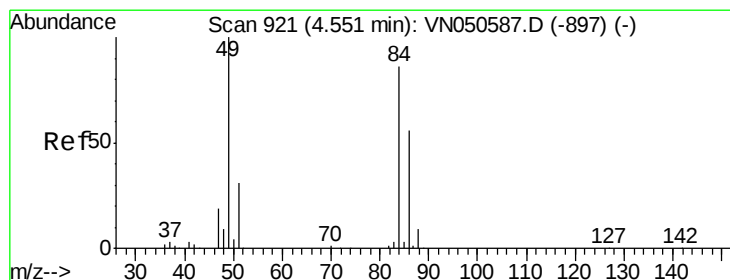
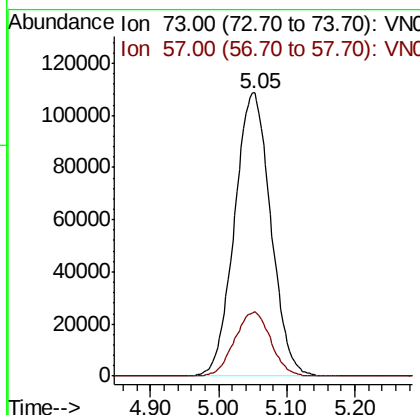
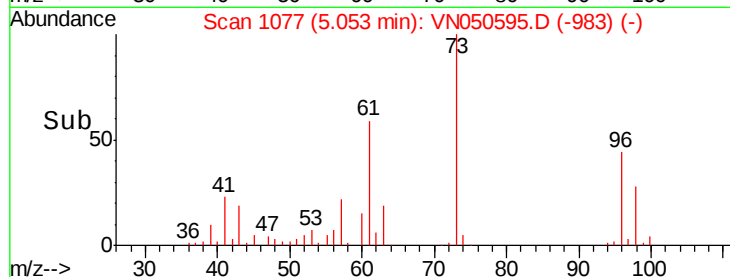
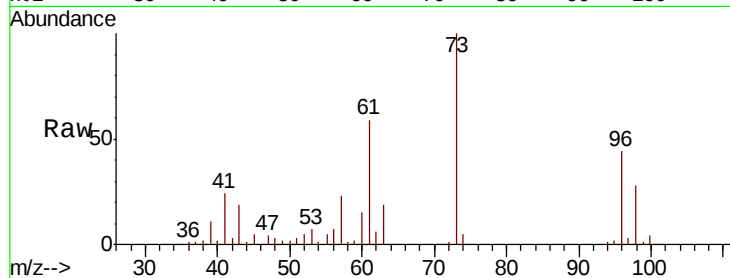
#19
Methyl tert-butyl Ether
Concen: 20.28 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.9	26.9

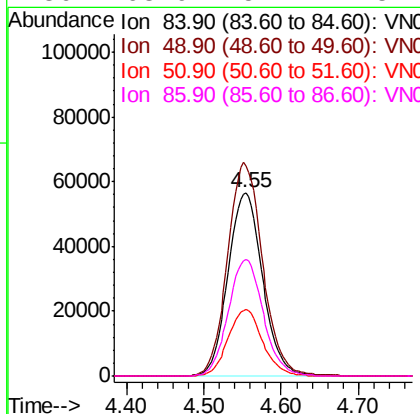
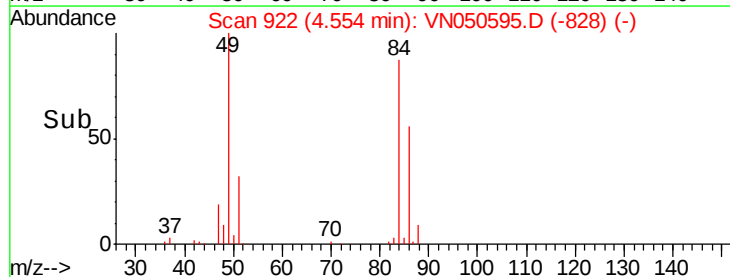
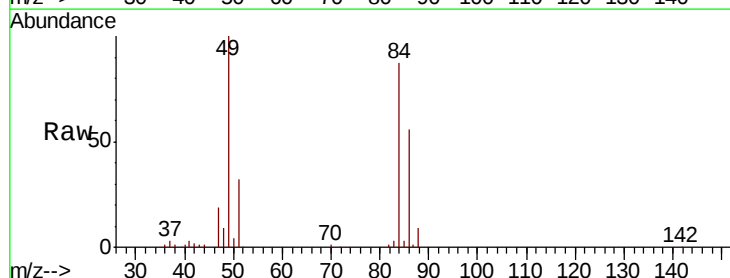
Manual Integrations
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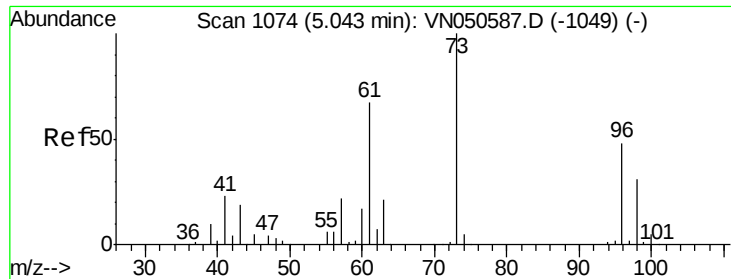
MMDadoda
8/15/2018 3:31:25 PM



#20
Methylene Chloride
Concen: 19.67 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.9	92.6	138.8
51	36.3	28.6	43.0
86	63.9	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 19.79 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

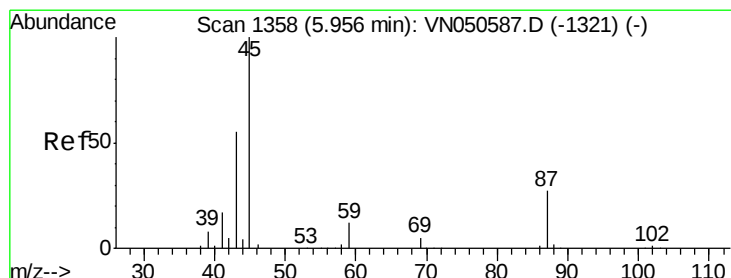
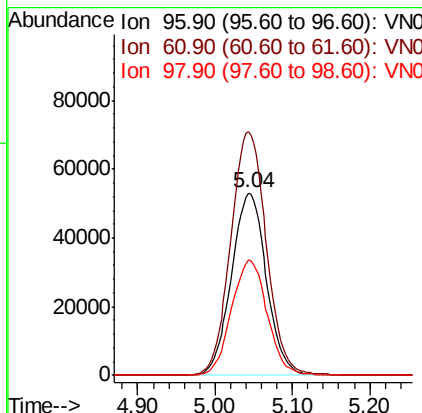
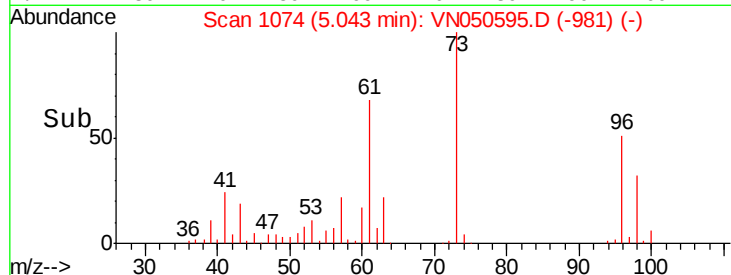
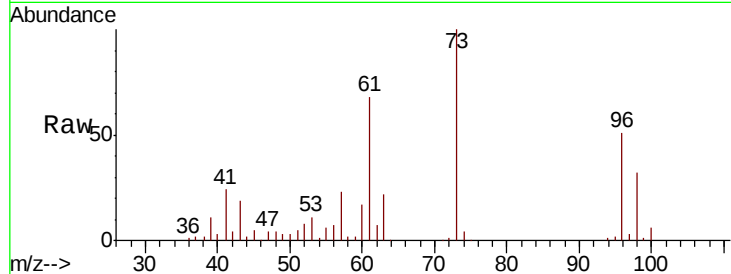
ClientSampleId :

VN0814WBS01

Tot Ion:	96	Resp:	166670
Ion	Ratio	Lower	Upper
96	100		
61	133.4	111.2	166.8
98	63.1	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.71 ug/l

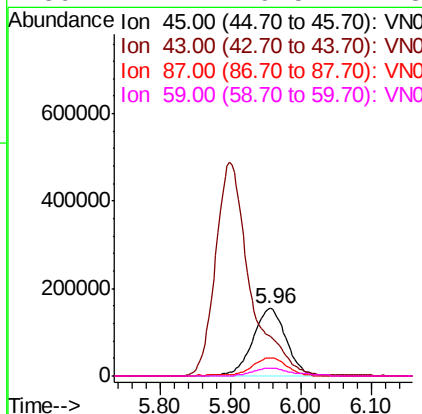
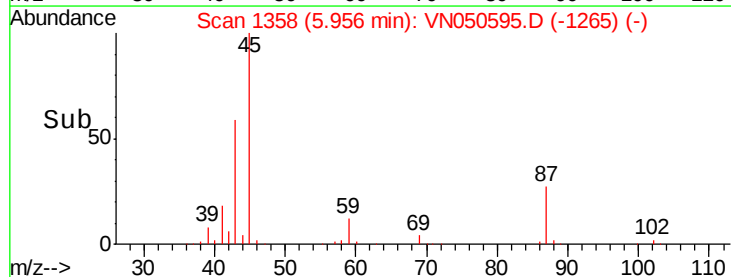
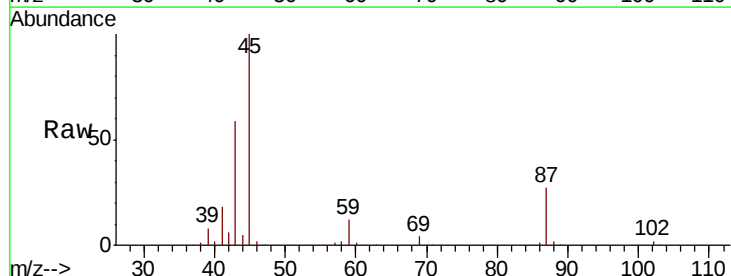
RT: 5.96 min Scan# 1358

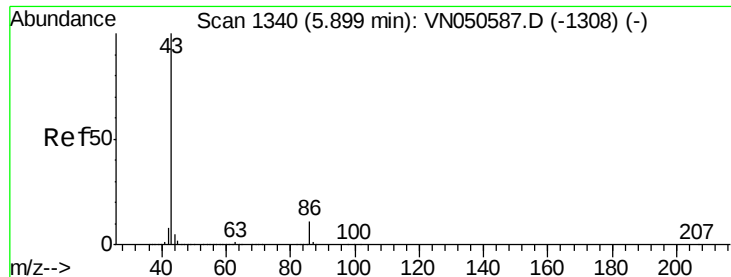
Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Tgt Ion:	45	Resp:	512995
Ion	Ratio	Lower	Upper
45	100		
43	56.9	44.5	66.7
87	27.1	22.2	33.2
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 103.33 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion: 43 Resp: 1674161

Ion Ratio Lower Upper

43 100

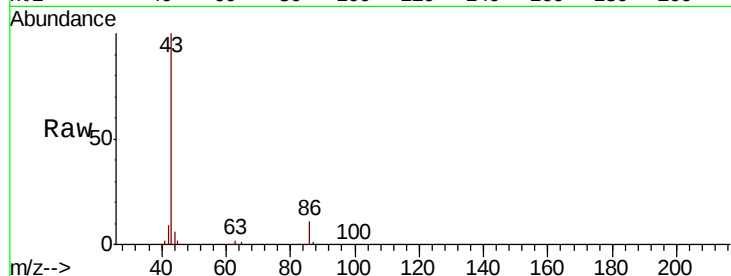
86 10.5 8.4 12.6

Manual Integrations

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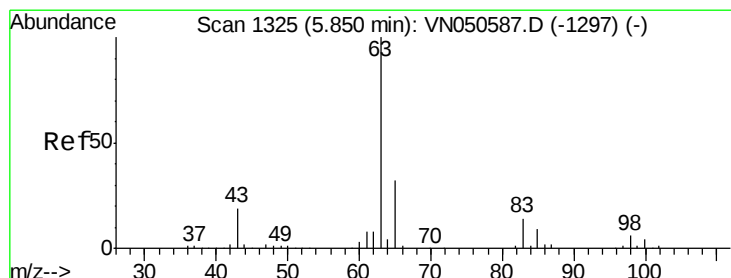
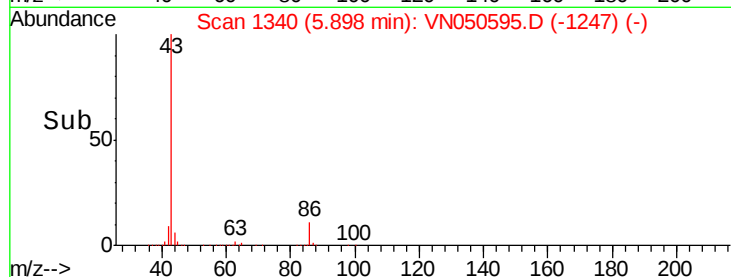
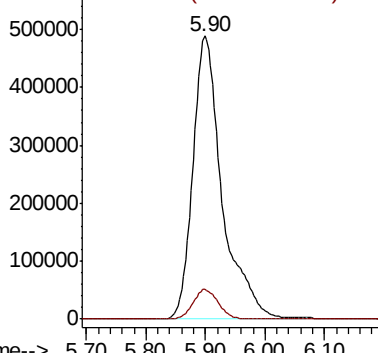
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.15 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

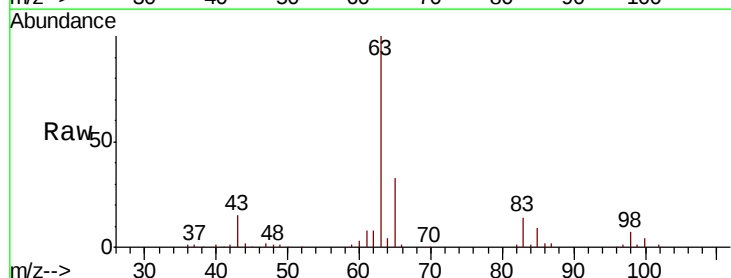
Tgt Ion: 63 Resp: 306914

Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

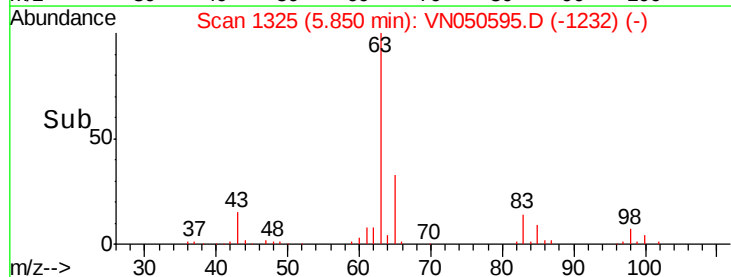
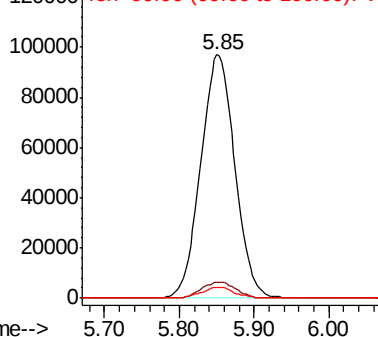
100 4.3 2.1 6.5

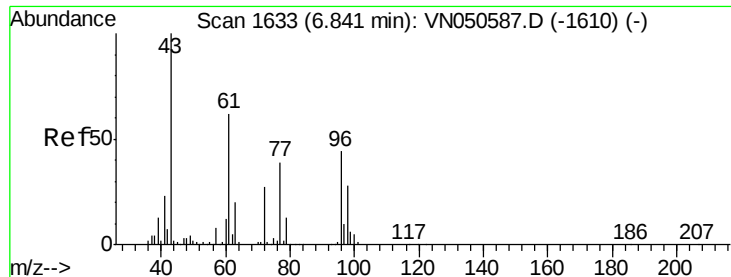


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 105.83 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion: 43 Resp: 391495

Ion Ratio Lower Upper

43 100

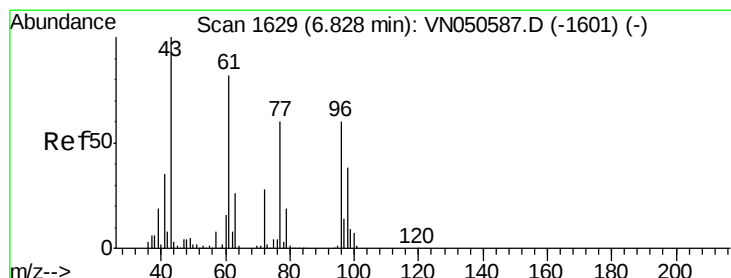
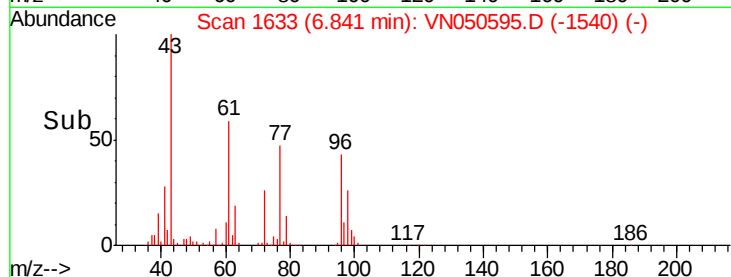
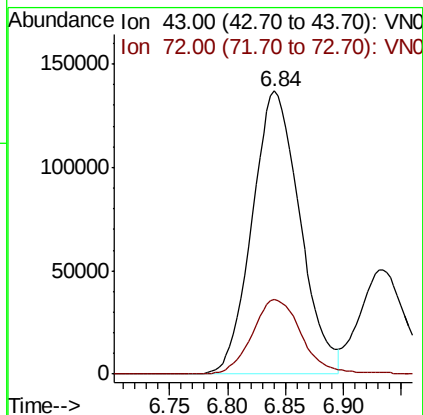
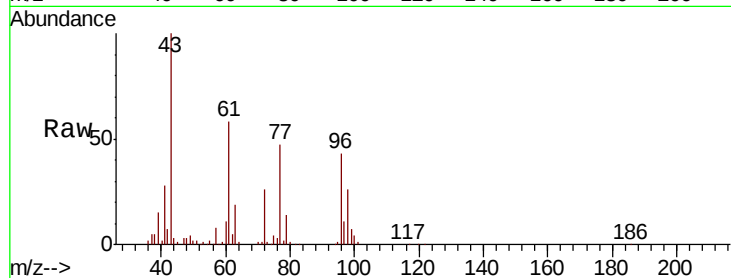
72 26.4 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 23.42 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050595.D

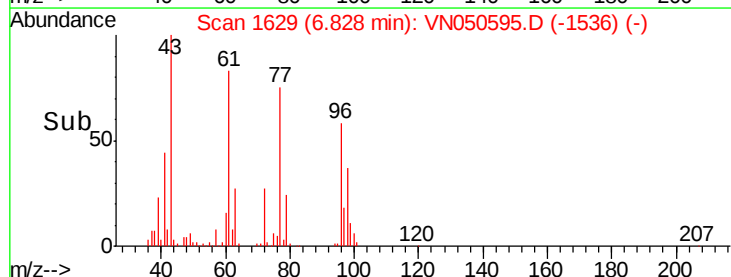
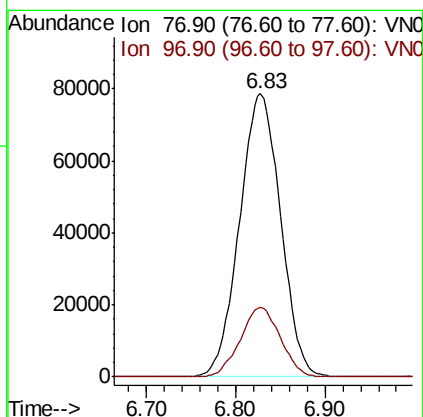
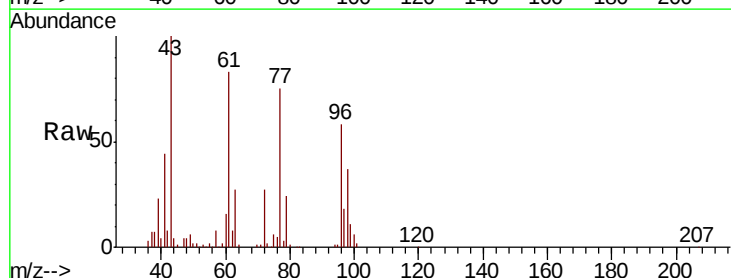
Acq: 14 Aug 2018 12:18

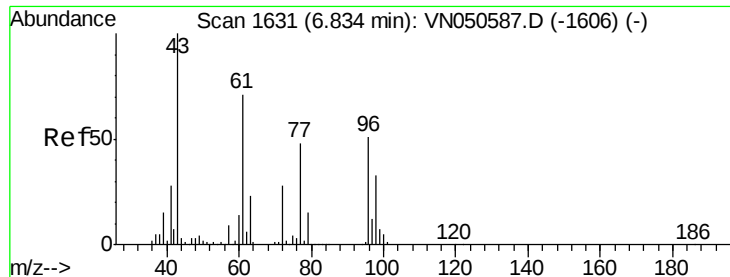
Tgt Ion: 77 Resp: 251295

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.4





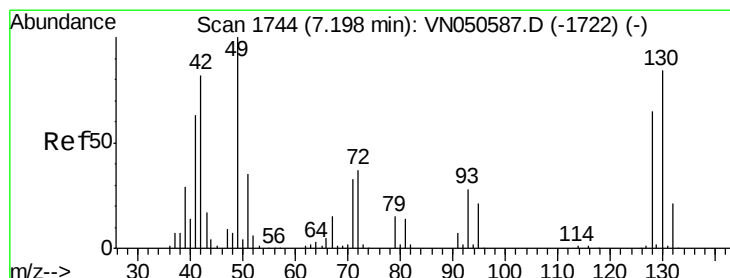
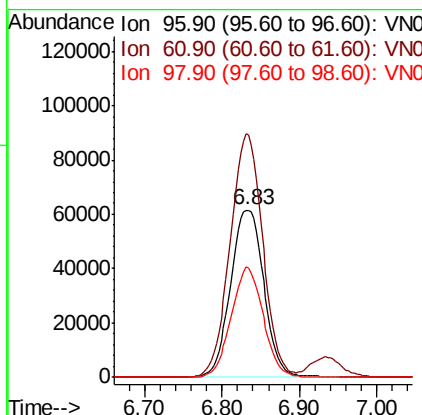
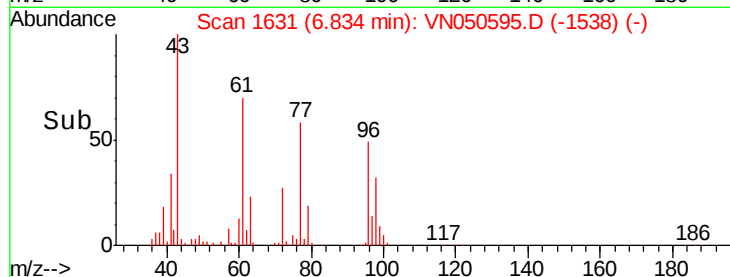
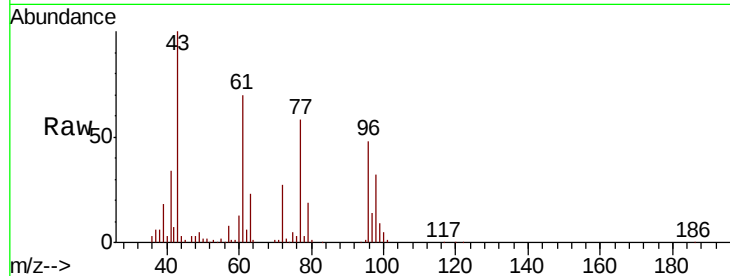
#27
 cis-1,2-Dichloroethene
 Concen: 19.64 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	184141		
61	142.4	0.0	278.2	
98	62.9	0.0	128.8	

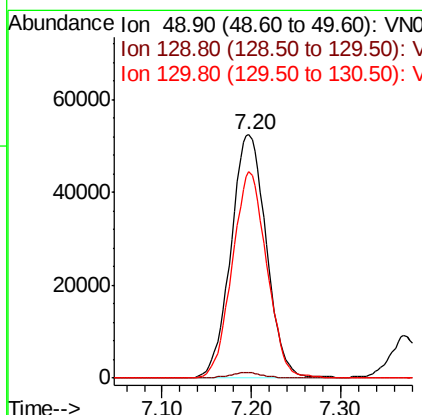
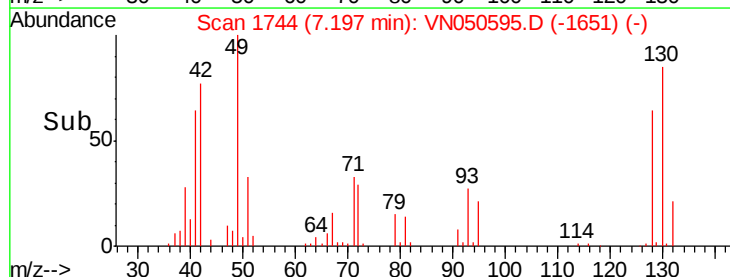
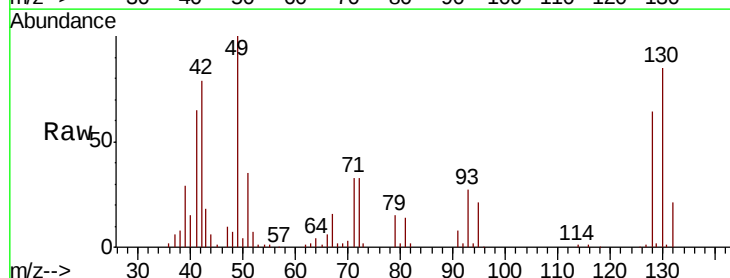
Manual Integrations
 APPROVED

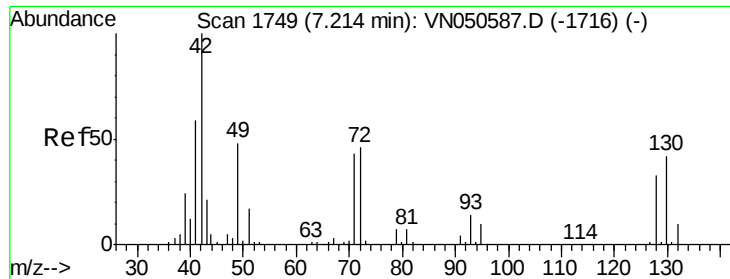
MMDadoda
 8/15/2018 3:31:25 PM



#28
 Bromochloromethane
 Concen: 19.80 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	144404		
129	1.9	0.0	4.2	
130	83.0	66.8	100.2	





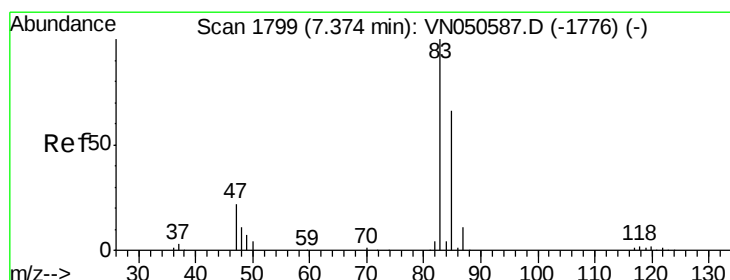
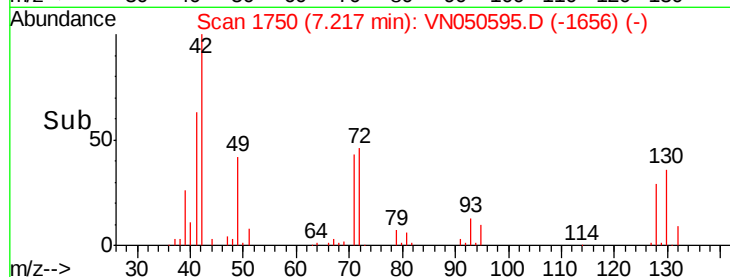
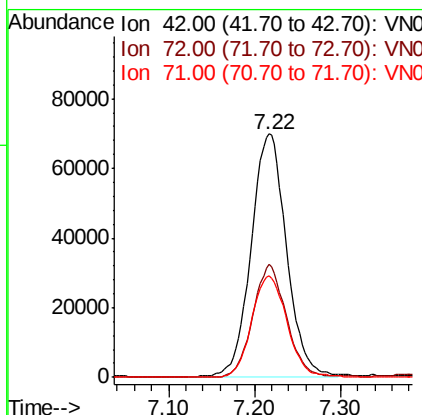
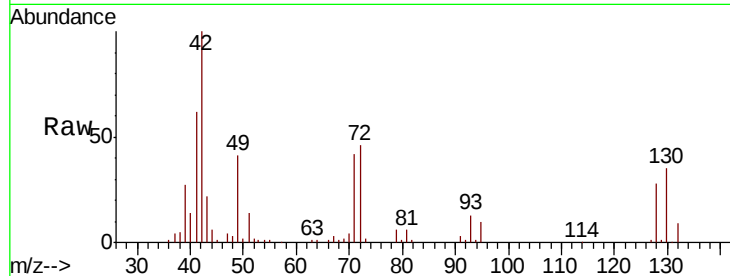
#29
Tetrahydrofuran
Concen: 104.08 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.8	53.6
71	41.5	33.4	50.0

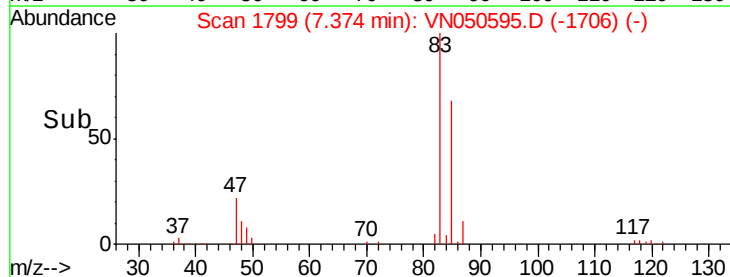
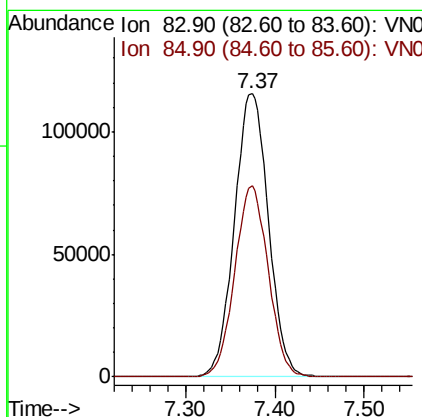
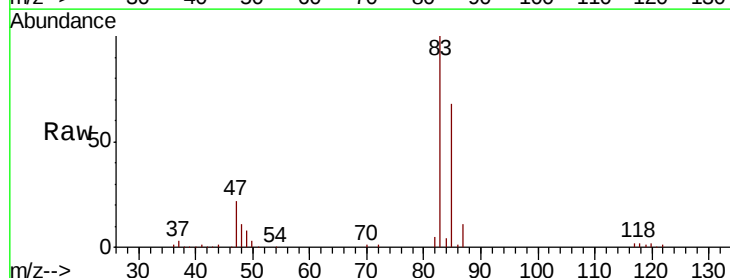
Manual Integrations
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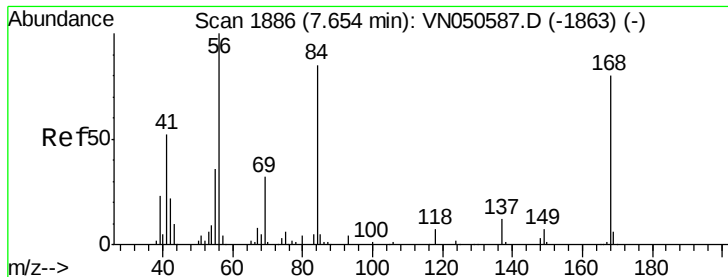
MMDadoda
8/15/2018 3:31:25 PM



#30
Chloroform
Concen: 18.82 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.5	78.7





#31

Cyclohexane

Concen: 19.61 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion: 56 Resp: 271116

Ion Ratio Lower Upper

56 100

69 38.1 25.8 38.6

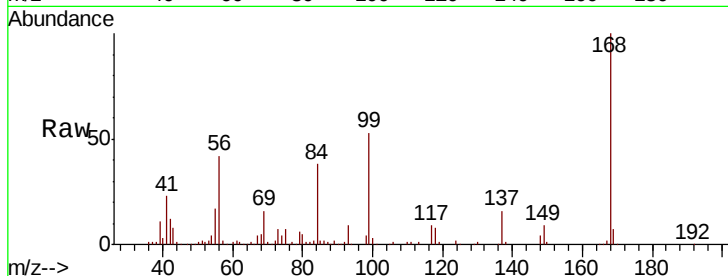
84 88.9 67.8 101.6

Manual Integrations

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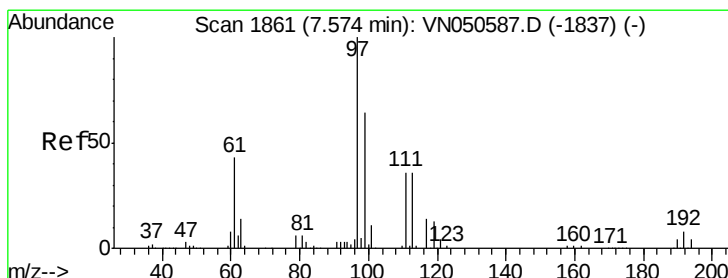
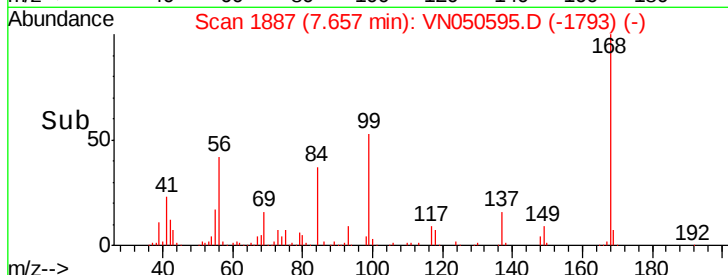
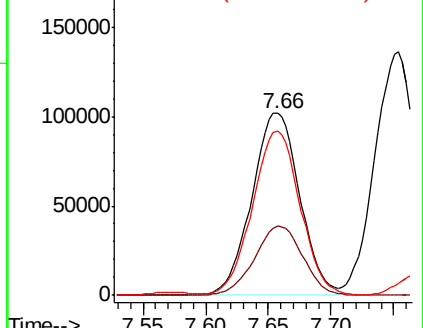
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.37 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

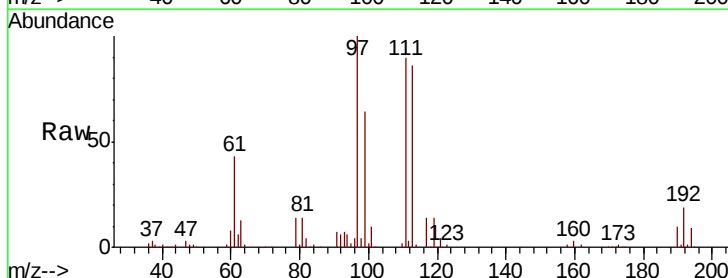
Tgt Ion: 97 Resp: 264783

Ion Ratio Lower Upper

97 100

99 65.2 51.1 76.7

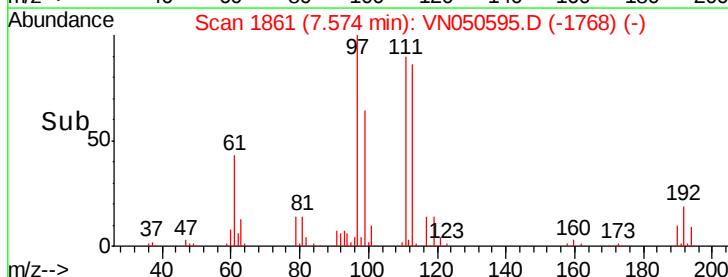
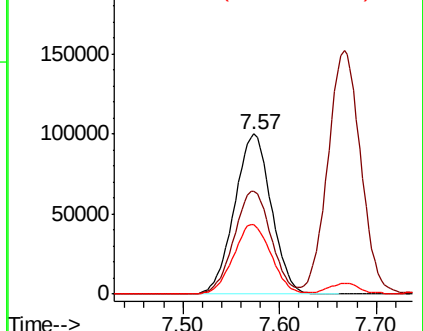
61 44.4 34.8 52.2

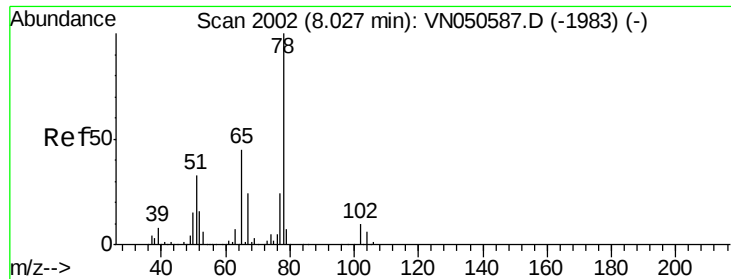


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





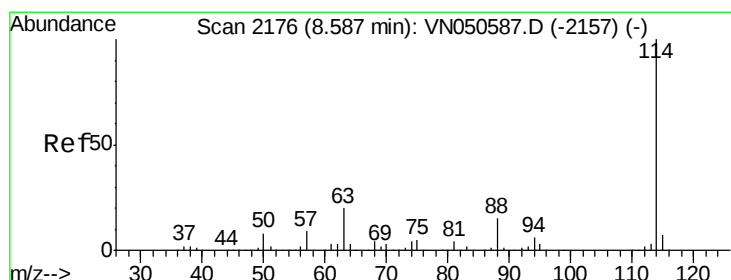
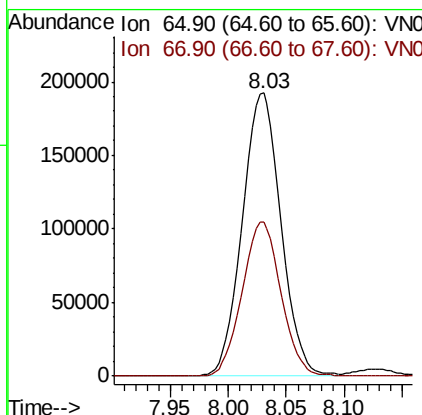
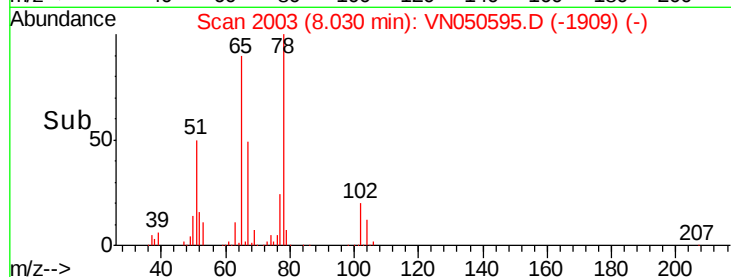
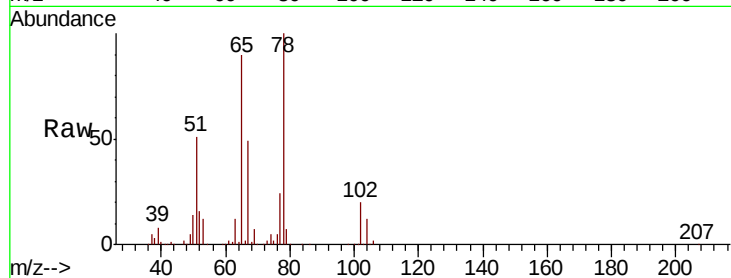
#33
 1,2-Dichloroethane-d4
 Concen: 49.57 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.8	0.0	109.8	

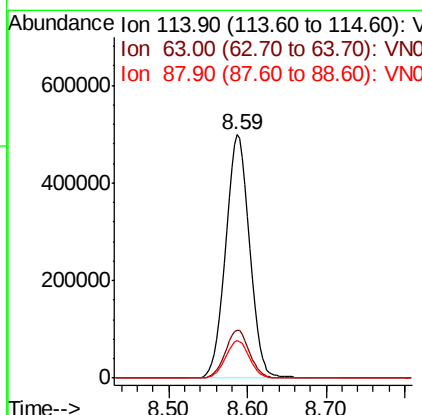
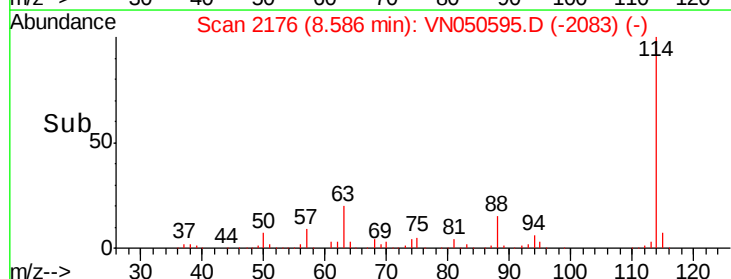
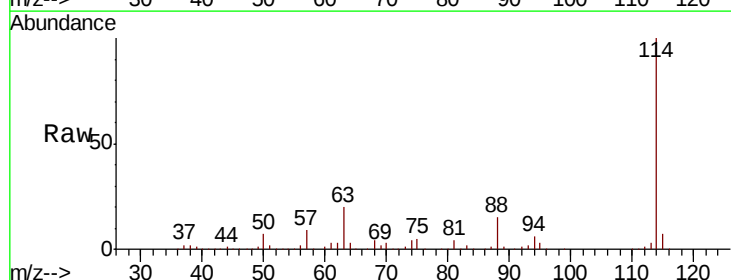
Manual Integrations
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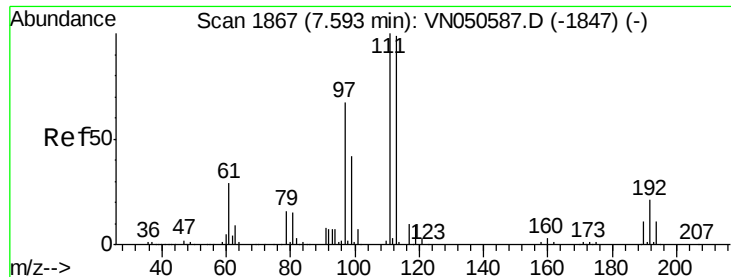
MMDadoda
 8/15/2018 3:31:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	40.0	
88	15.4	0.0	30.8	





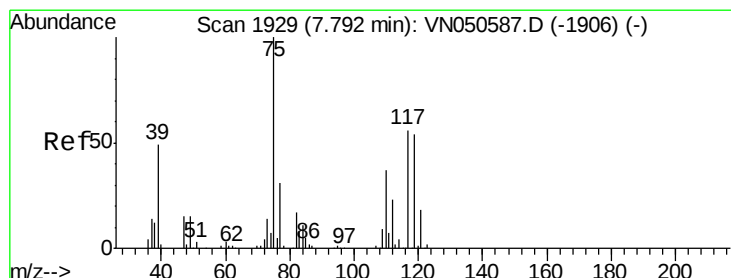
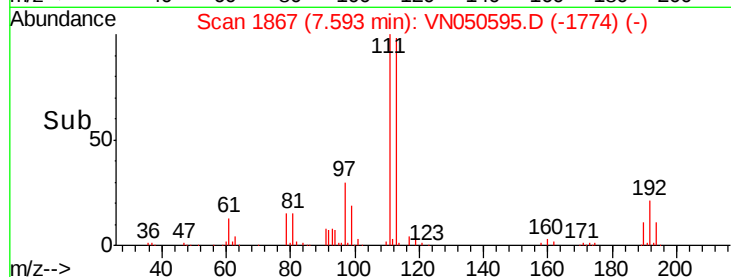
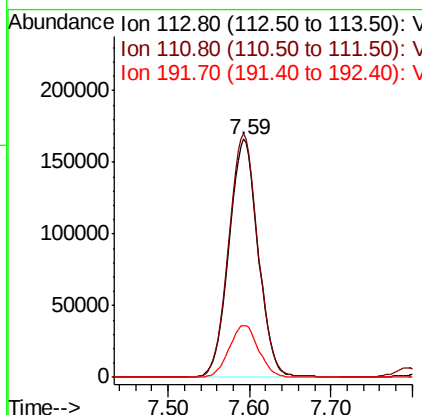
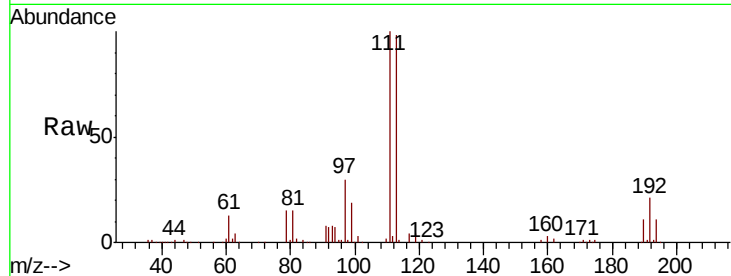
#35
Dibromofluoromethane
Concen: 50.02 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	81.0	121.6	
192	22.0	17.6	26.4	

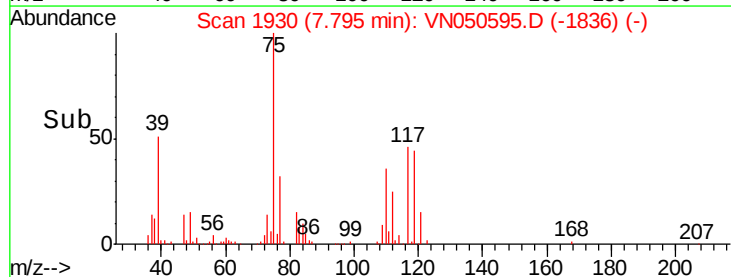
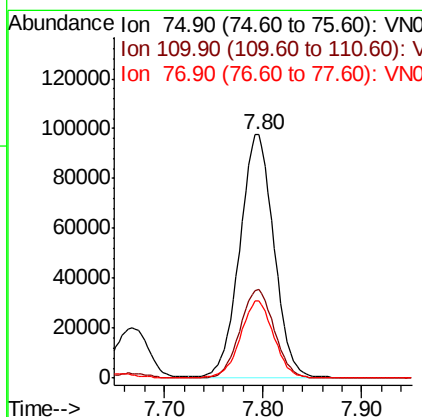
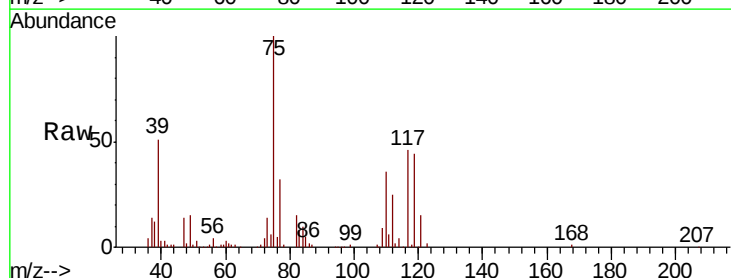
Manual Integrations
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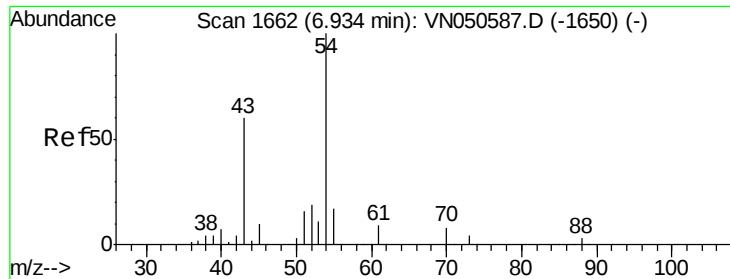
MMDadoda
8/15/2018 3:31:25 PM



#36
1,1-Dichloropropene
Concen: 20.06 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.8	18.3	54.9	
77	31.3	25.0	37.4	





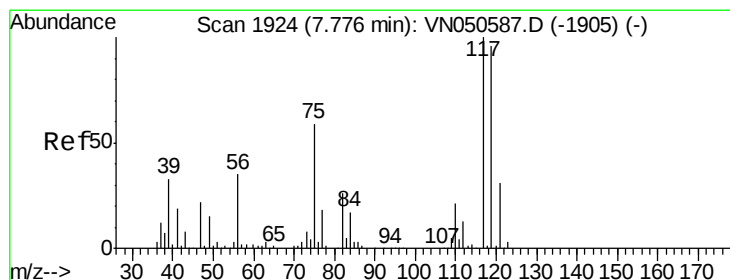
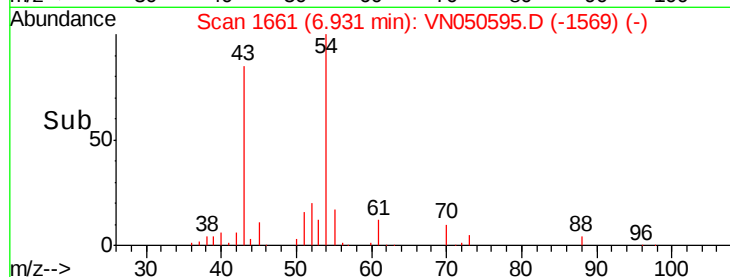
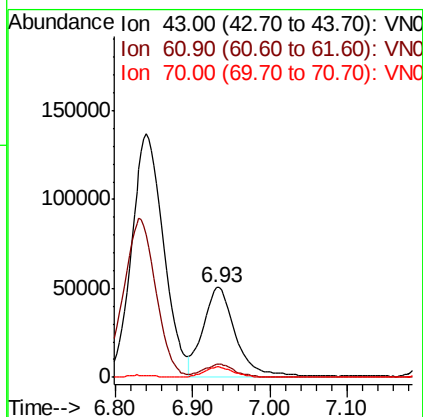
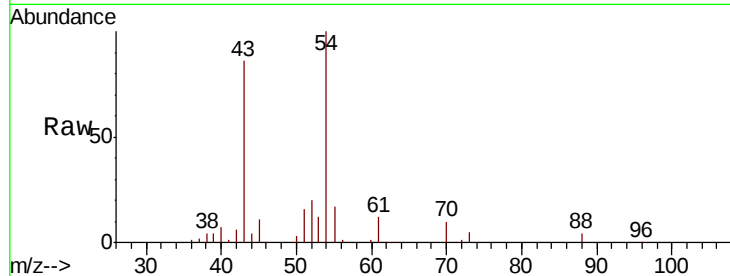
#37
Ethyl Acetate
Concen: 22.39 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	43	Resp	146734
Ion Ratio	Lower	Upper	
43	100		
61	14.3	12.0	18.0
70	10.9	8.5	12.7

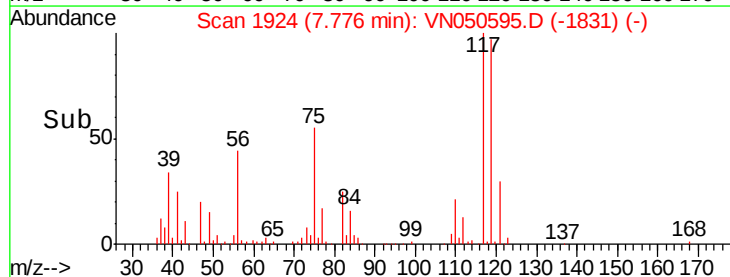
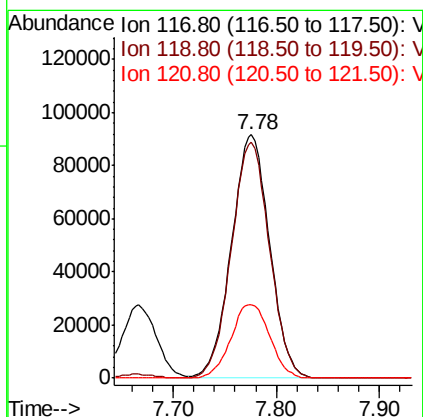
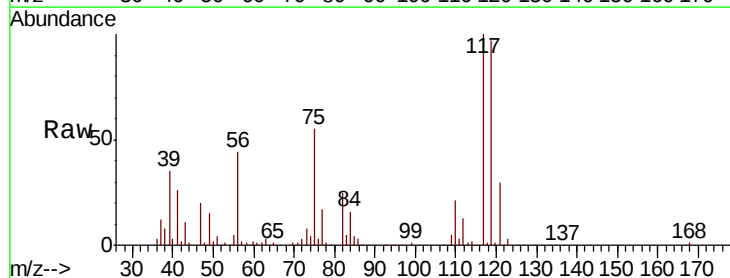
Manual Integrations
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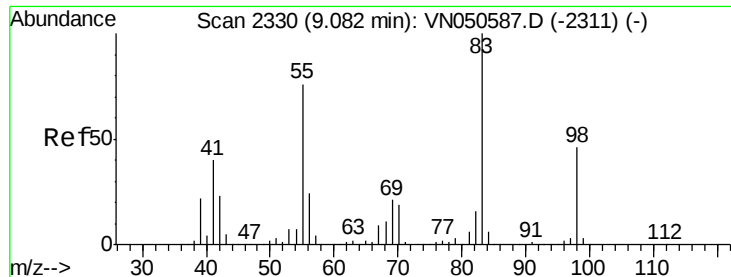
MMDadoda
8/15/2018 3:31:25 PM



#38
Carbon Tetrachloride
Concen: 19.60 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	117	Resp	235763
Ion Ratio	Lower	Upper	
117	100		
119	97.2	76.6	115.0
121	30.0	25.0	37.6





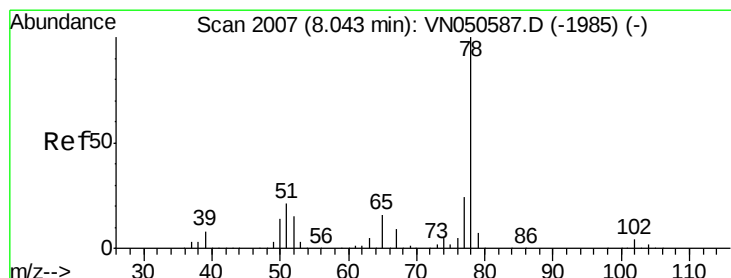
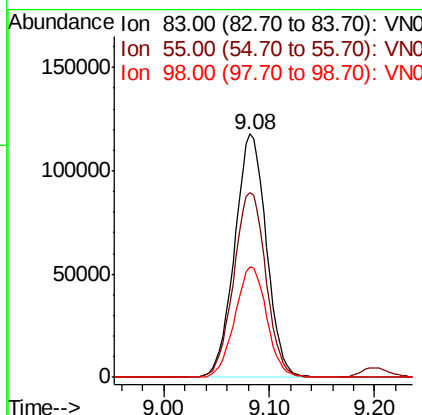
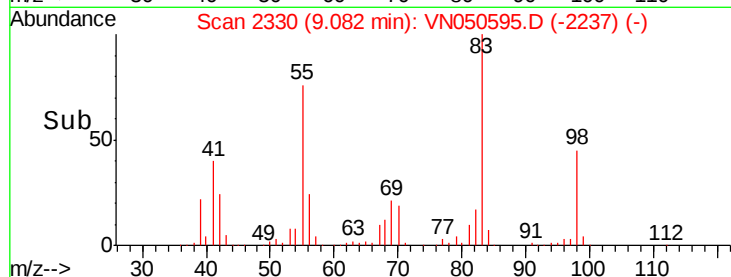
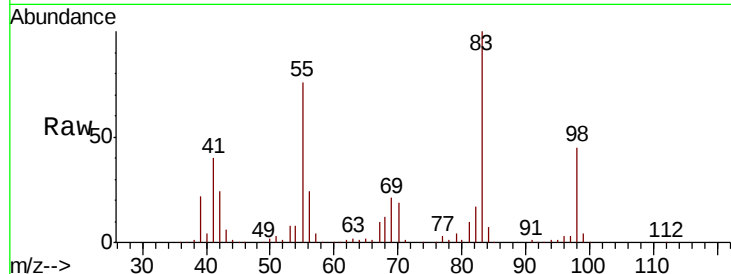
#39
Methvlcvclohexane
Concen: 20.44 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.6	91.0
98	45.2	37.0	55.4

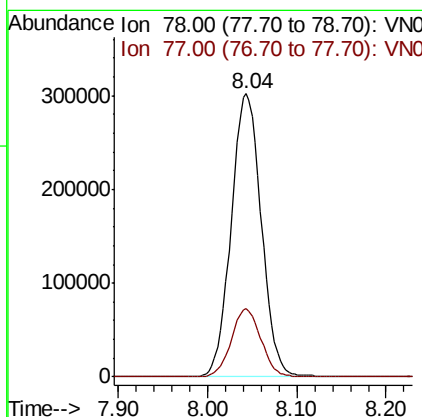
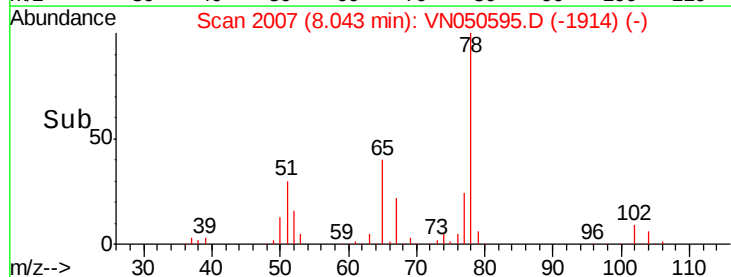
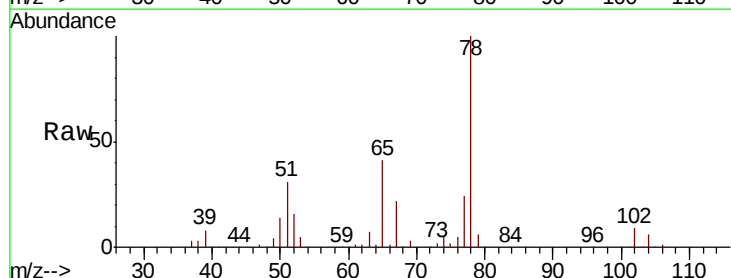
Manual Integrations
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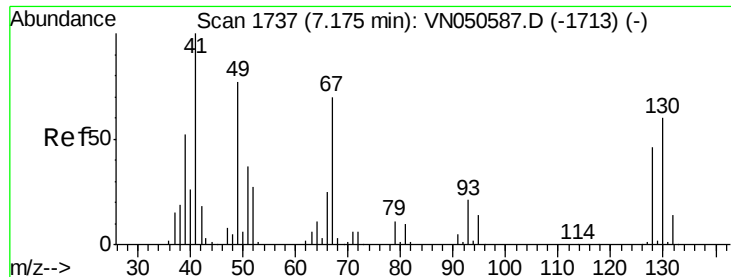
MMDadoda
8/15/2018 3:31:25 PM



#40
Benzene
Concen: 20.07 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





#41

Methacrylonitrile

Concen: 28.45 ug/l m

RT: 7.20 min Scan# 1745

Delta R.T. 0.03 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion: 41 Resp: 100813
Ion Ratio Lower Upper

41 100

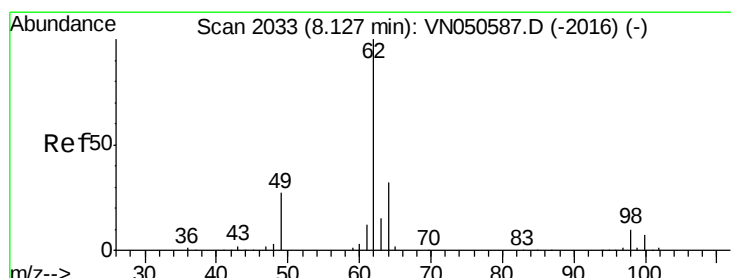
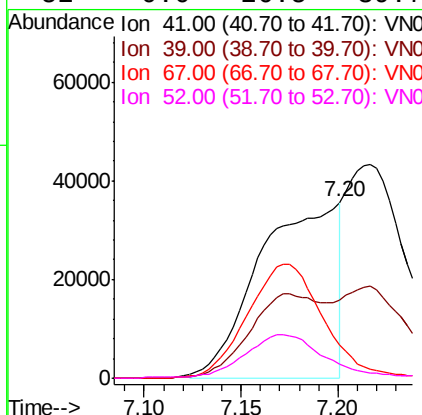
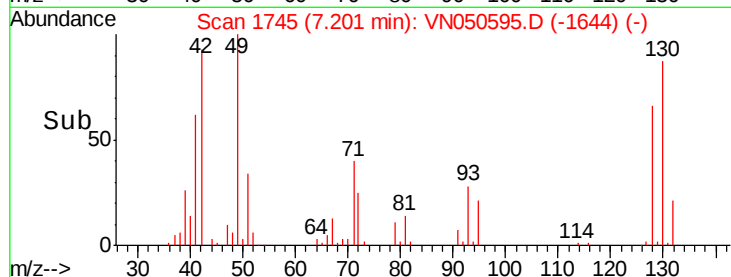
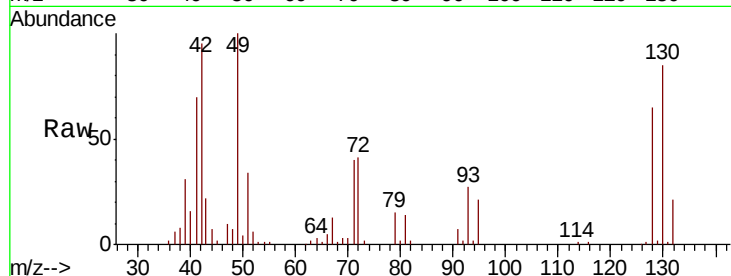
39 0.0 44.6 66.8#

67 0.0 66.7 100.1#

52 0.0 26.5 39.7#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.01 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. -0.00 min

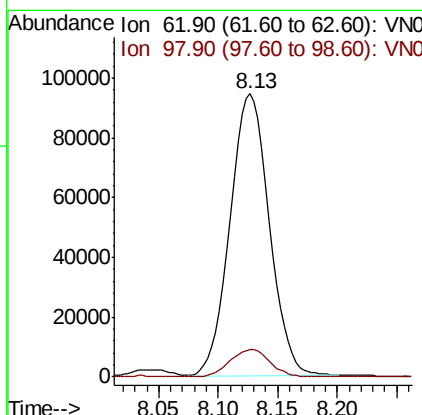
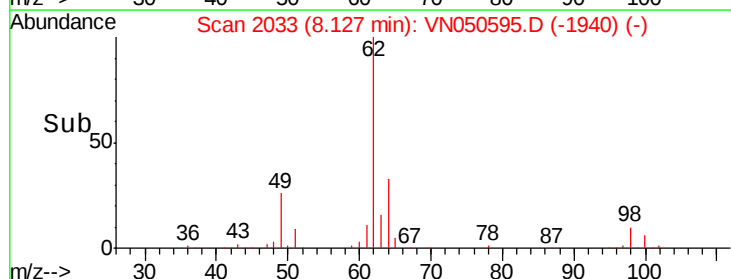
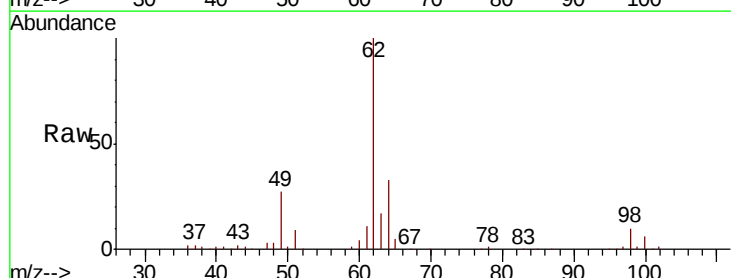
Lab File: VN050595.D

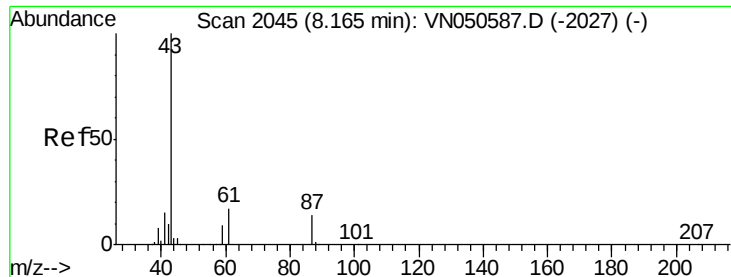
Acq: 14 Aug 2018 12:18

Tgt Ion: 62 Resp: 216369
Ion Ratio Lower Upper

62 100

98 9.8 0.0 19.4





#43

Isopropyl Acetate

Concen: 20.12 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

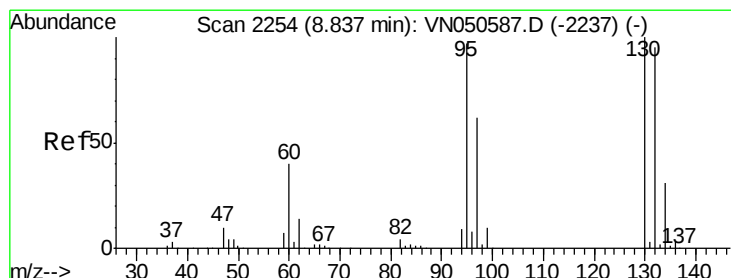
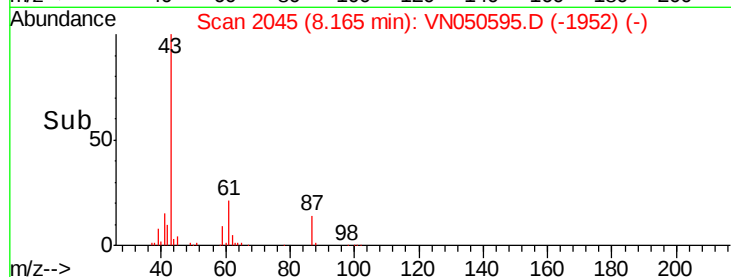
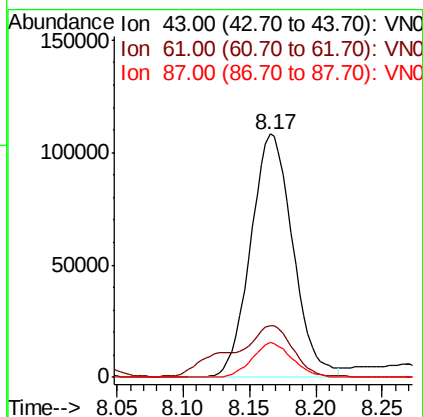
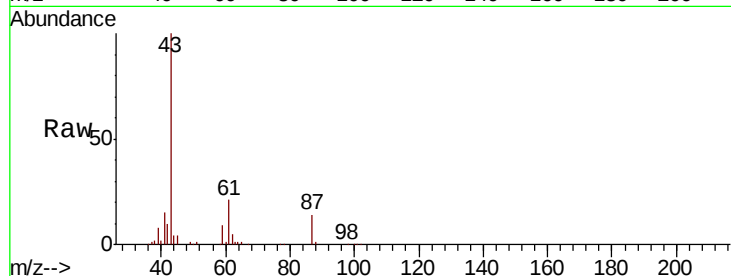
ClientSampleId :

VN0814WBS01

Tot Ion:	43	Resp:	240266
Ion Ratio		Lower	Upper
43	100		
61	30.4	16.2	24.2#
87	13.7	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 19.50 ug/l

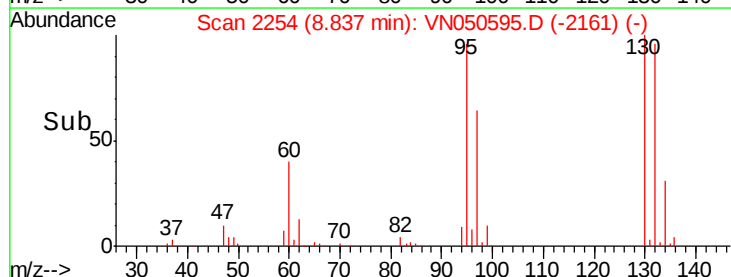
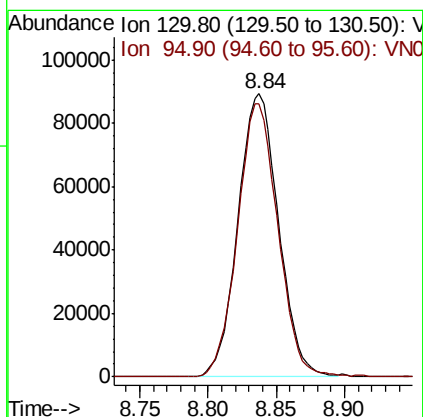
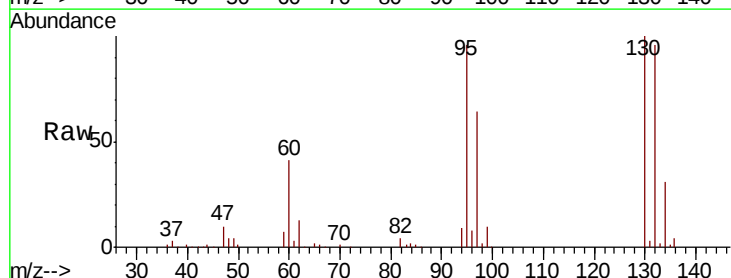
RT: 8.84 min Scan# 2254

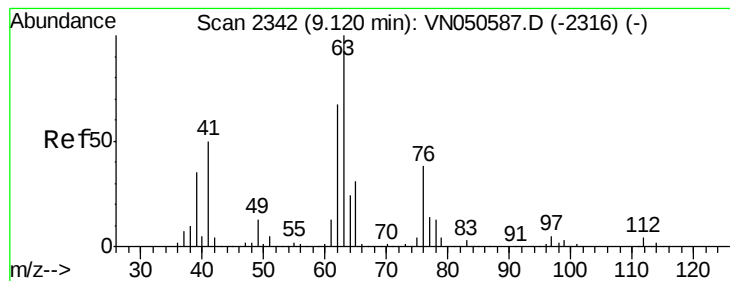
Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Tgt Ion:	130	Resp:	184252
Ion Ratio		Lower	Upper
130	100		
95	96.4	0.0	193.8





#45

1,2-Dichloropropane

Concen: 19.78 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion: 63 Resp: 185795

Ion Ratio Lower Upper

63 100

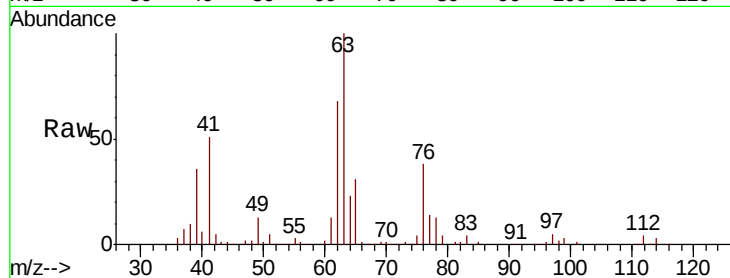
65 31.1 24.5 36.7

Manual Integrations

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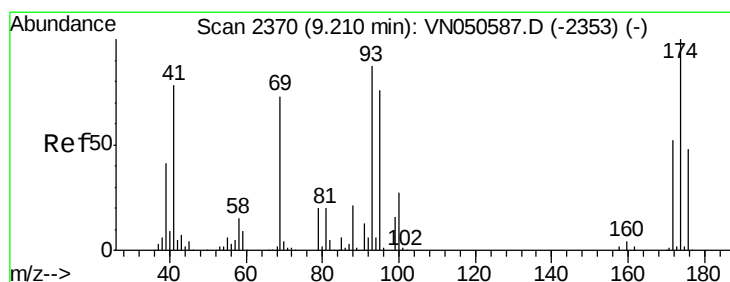
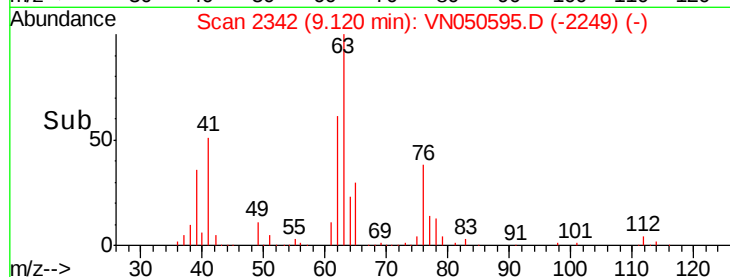
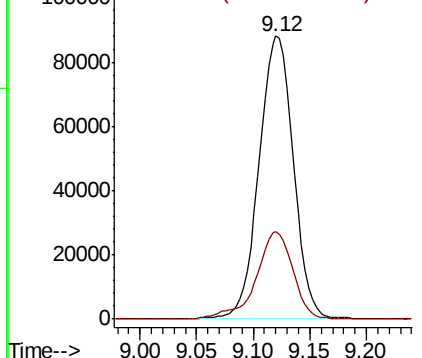
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.78 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

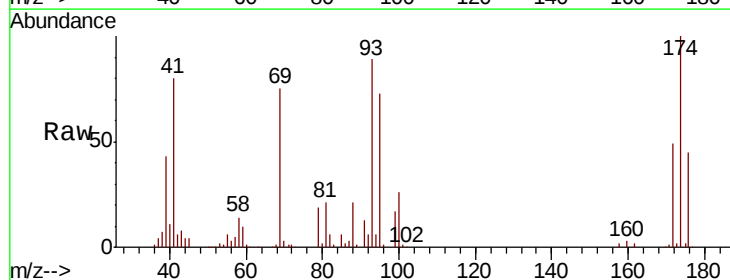
Tgt Ion: 93 Resp: 109679

Ion Ratio Lower Upper

93 100

95 82.4 69.1 103.7

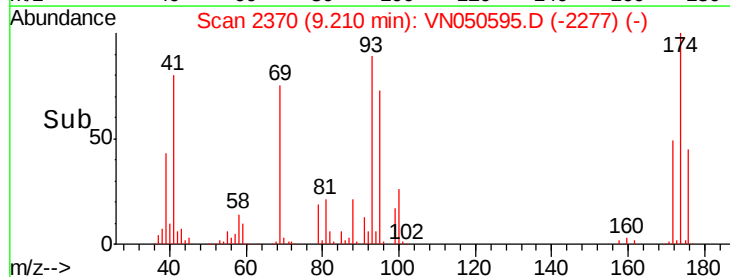
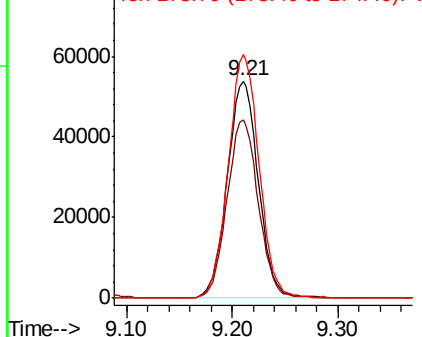
174 111.5 91.0 136.6

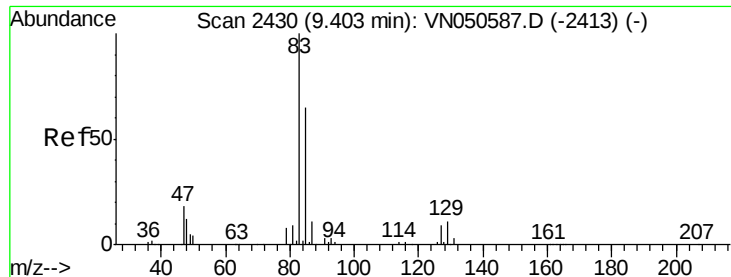


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.43 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

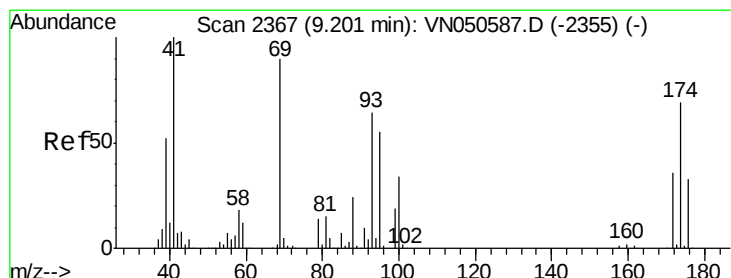
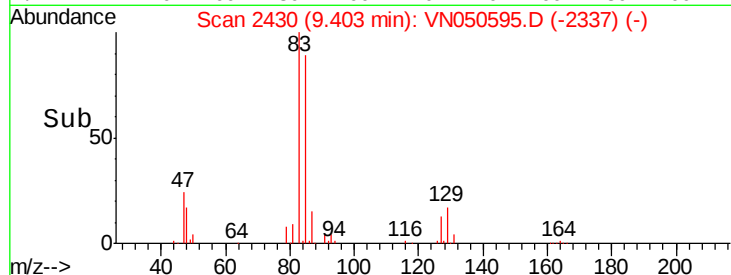
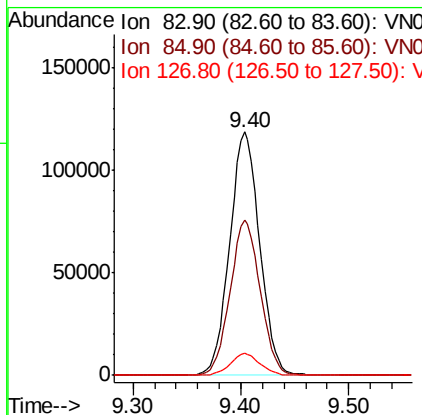
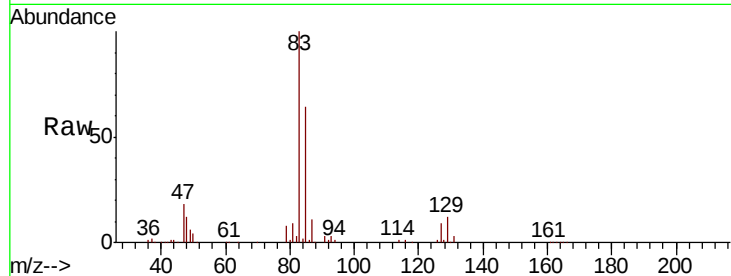
ClientSampleId :

VN0814WBS01

Tot Ion:	83	Resp:	230295
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.8	77.6
127	9.0	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.84 ug/l

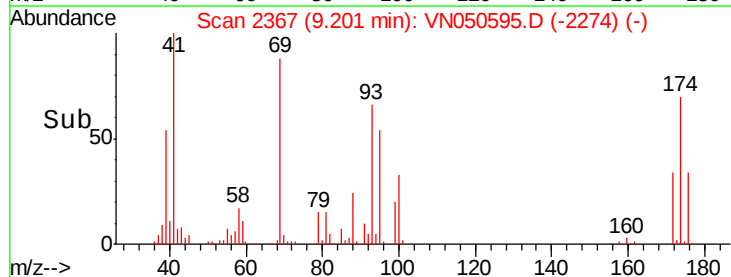
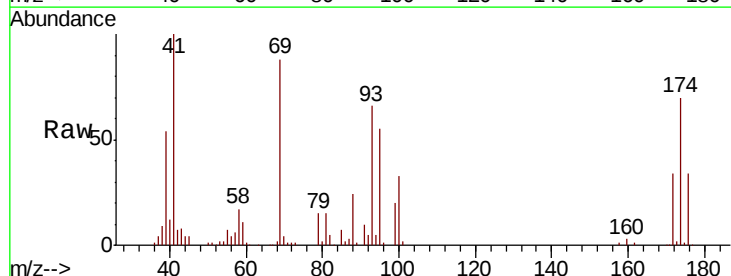
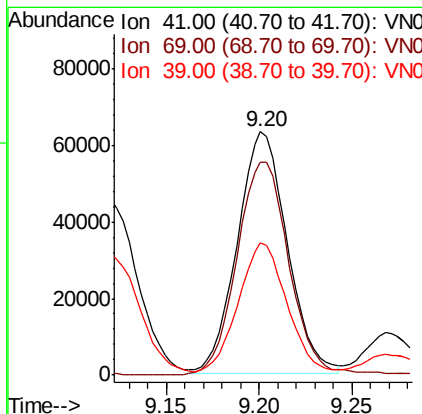
RT: 9.20 min Scan# 2367

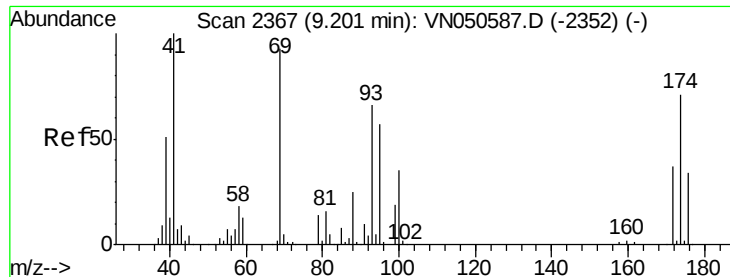
Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Tgt Ion:	41	Resp:	119262
Ion Ratio	Lower	Upper	
41	100		
69	91.9	73.4	110.0
39	53.2	43.0	64.6





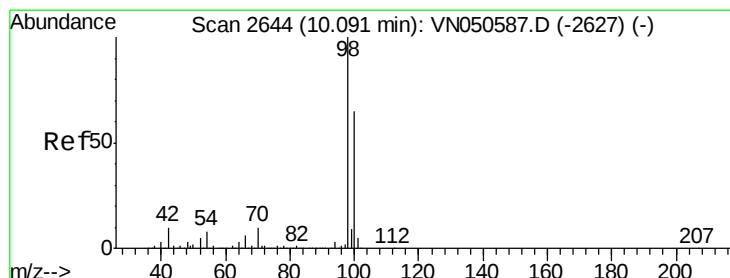
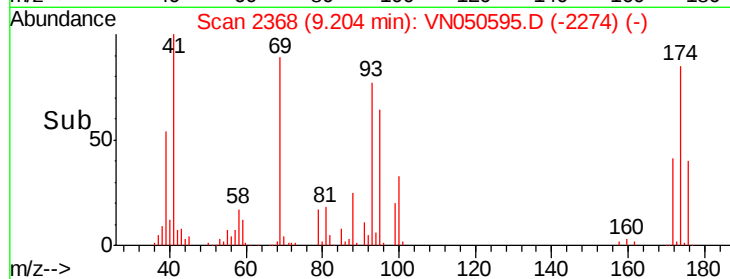
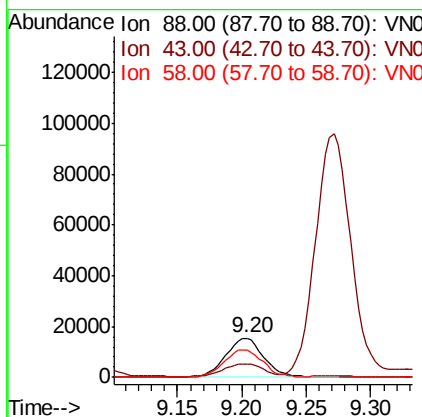
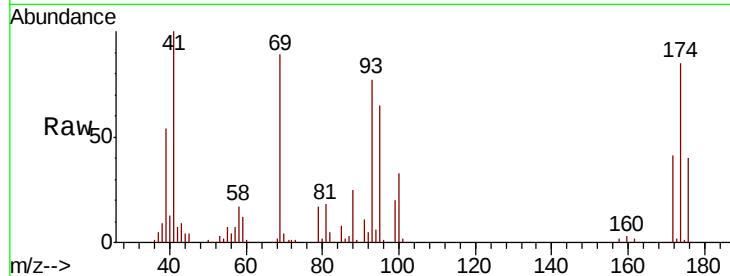
#49
 1,4-Dioxane
 Concen: 399.92 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	25.9	38.9
58	70.9	56.5	84.7

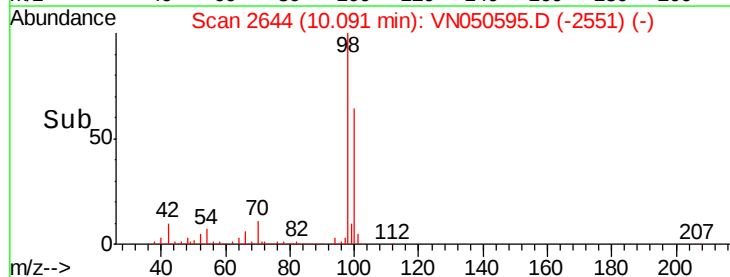
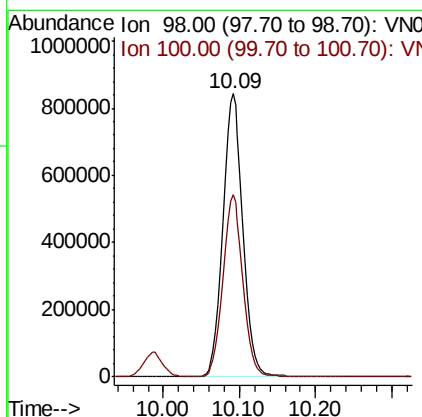
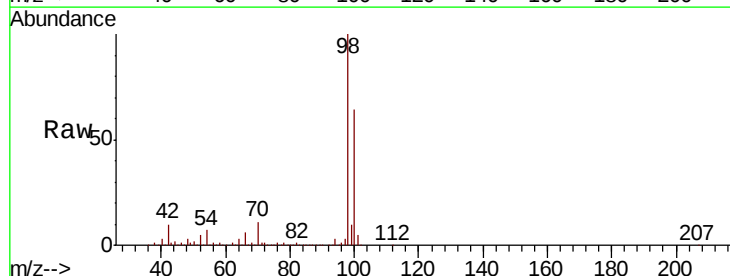
Manual Integrations
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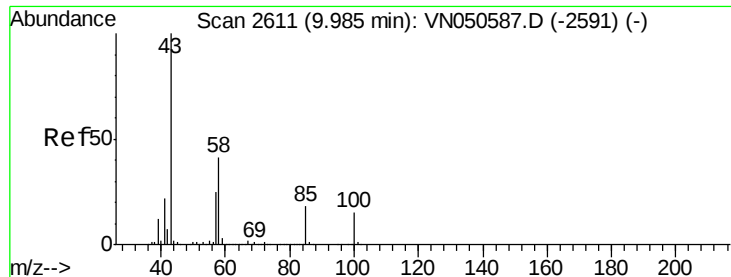
MMDadoda
 8/15/2018 3:31:25 PM



#50
 Toluene-d8
 Concen: 49.23 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 104.92 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0814WBS01

Tot Ion: 43 Resp: 847553

Ion Ratio Lower Upper

43 100

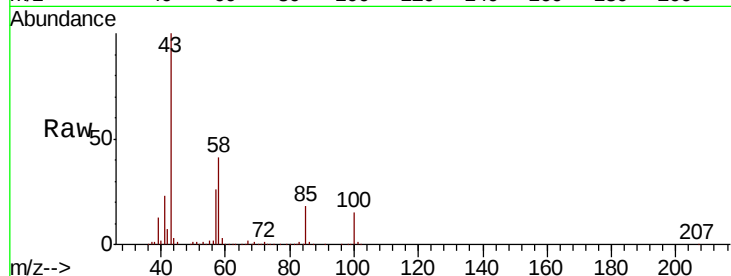
58 40.6 32.5 48.7

Manual Integrations

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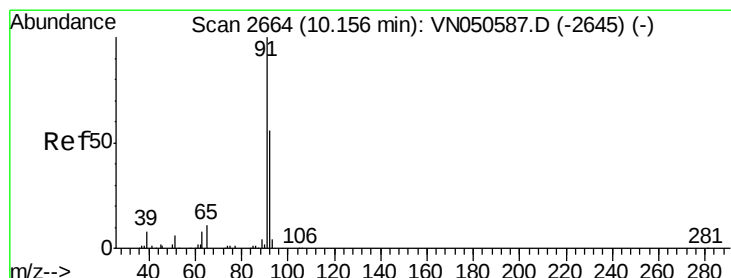
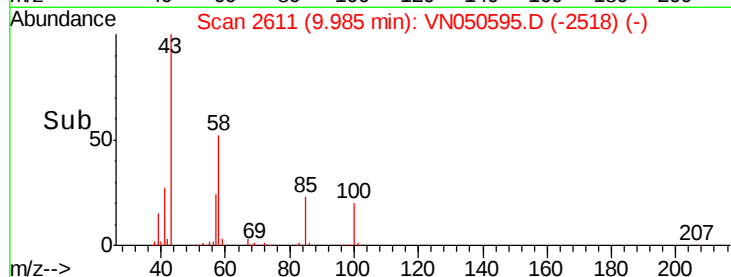
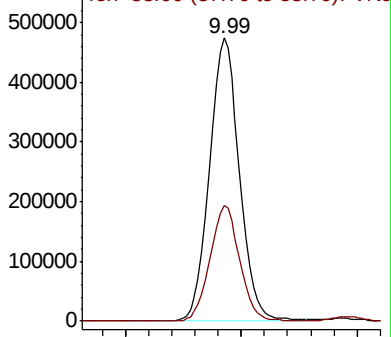
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.24 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050595.D

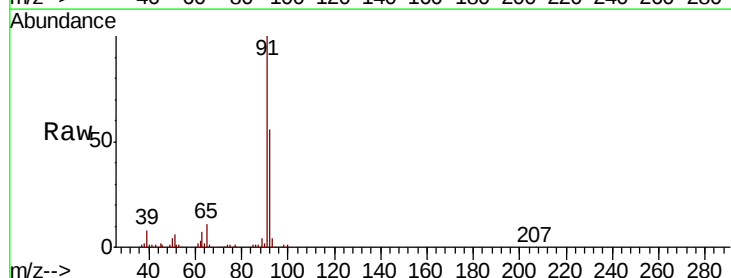
Acq: 14 Aug 2018 12:18

Tgt Ion: 92 Resp: 426351

Ion Ratio Lower Upper

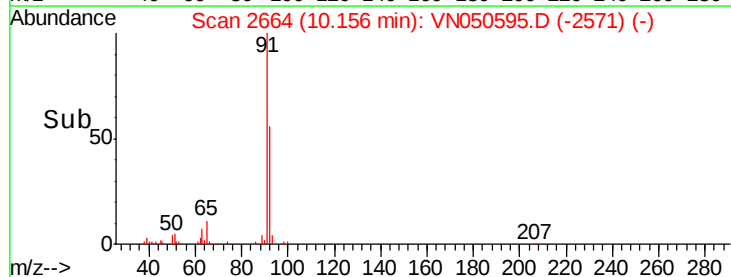
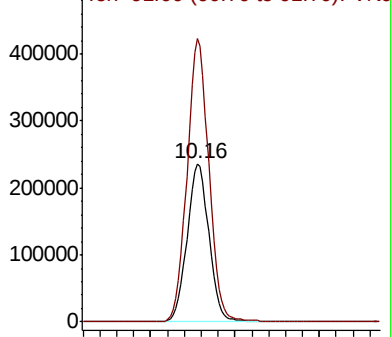
92 100

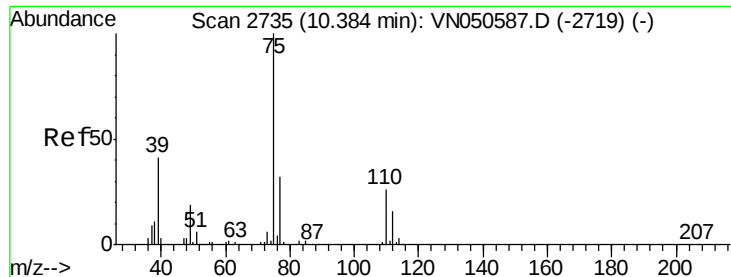
91 178.1 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





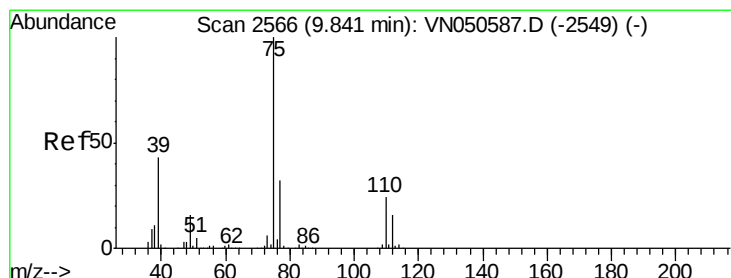
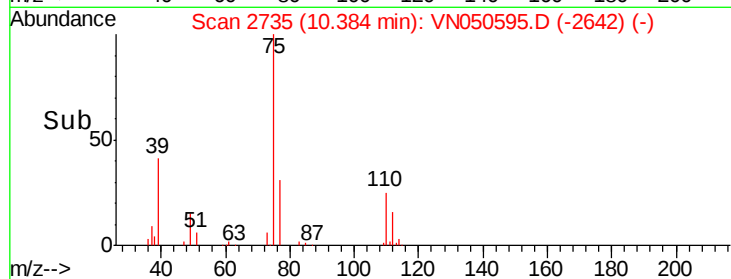
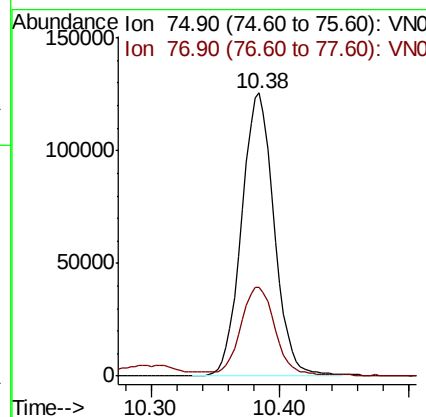
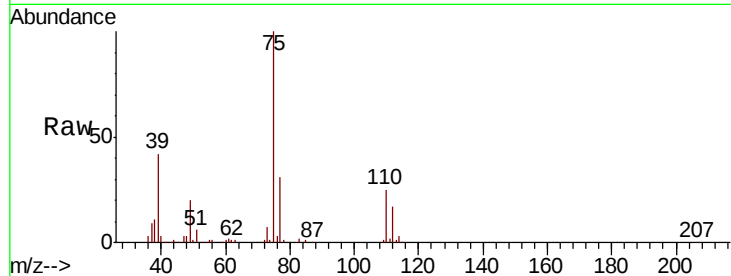
#53
t-1,3-Dichloropropene
Concen: 20.03 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampled :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.6

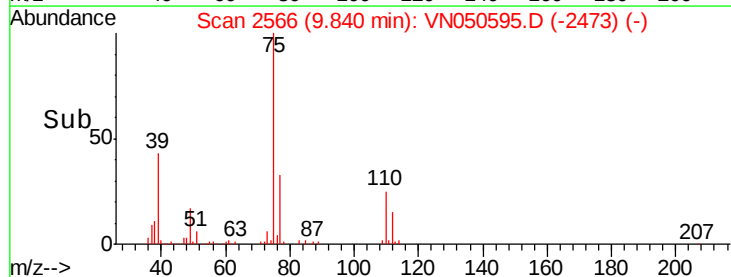
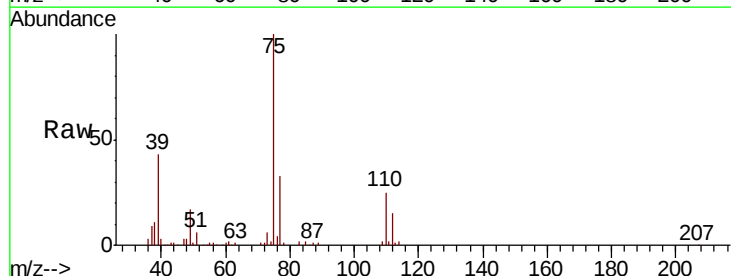
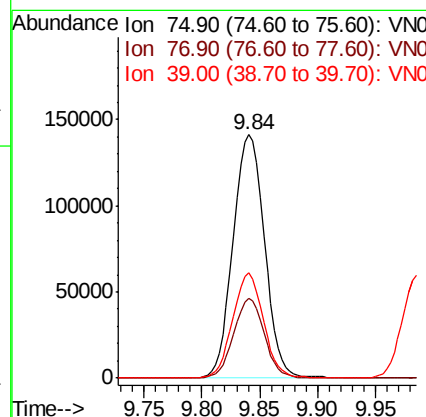
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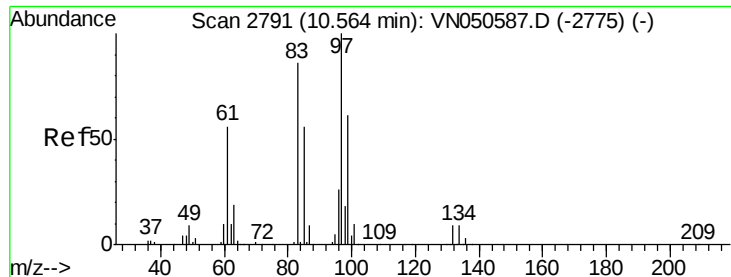
MMDadoda
8/15/2018 3:31:25 PM



#54
cis-1,3-Dichloropropene
Concen: 21.00 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.6	38.4
39	43.3	34.4	51.6





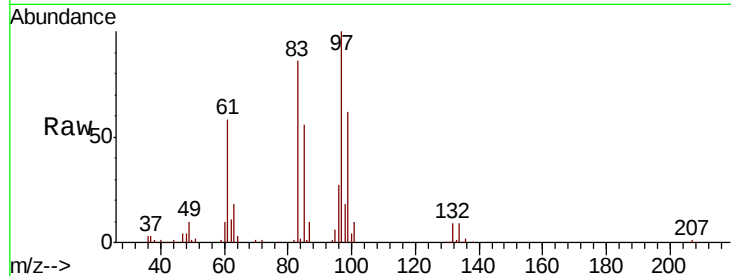
#55
 1,1,2-Trichloroethane
 Concen: 19.93 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

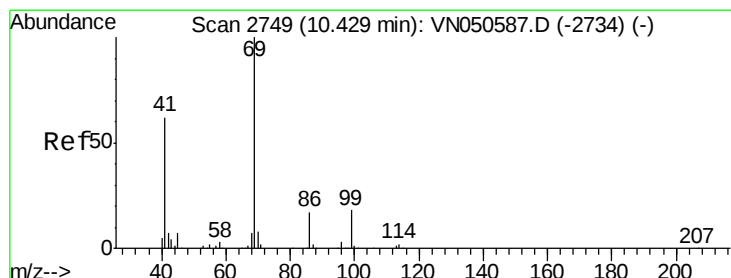
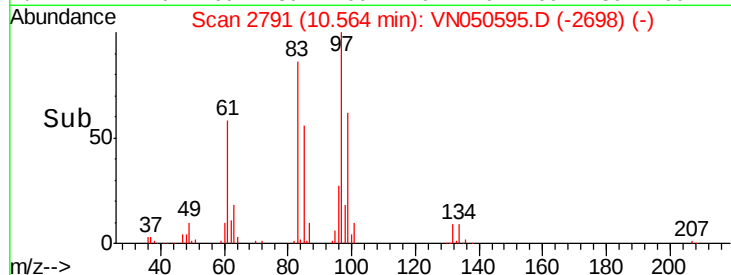
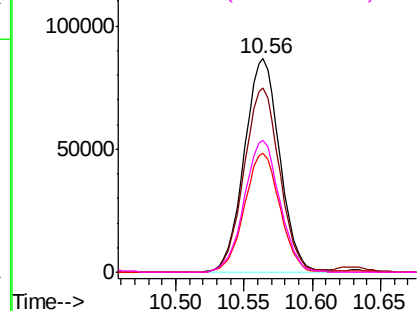
Tot Ion	Ratio	Resp	Lower	Upper
97	100	156799		
83	86.1	68.5	102.7	
85	55.6	44.6	66.8	
99	61.9	49.1	73.7	

Manual Integrations
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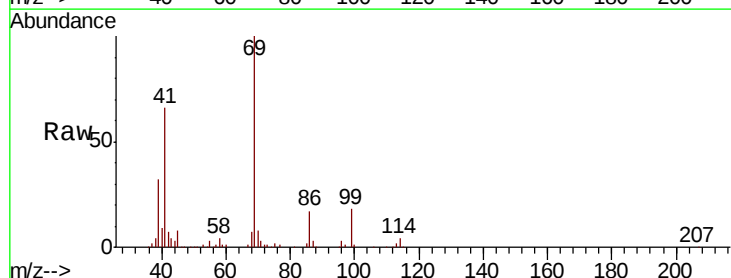


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

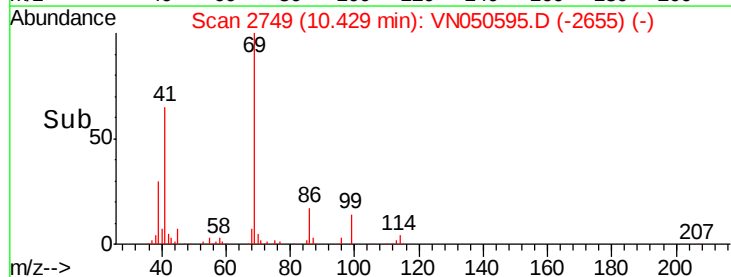
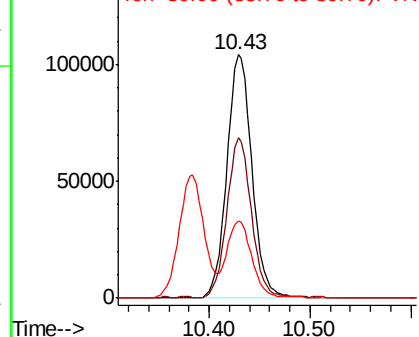


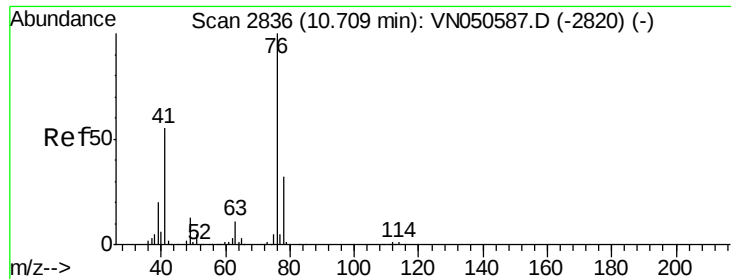
#56
 Ethyl methacrylate
 Concen: 19.29 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	181420		
41	63.7	49.7	74.5	
39	31.1	24.2	36.2	



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.11 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion: 76 Resp: 259458

Ion Ratio Lower Upper

76 100

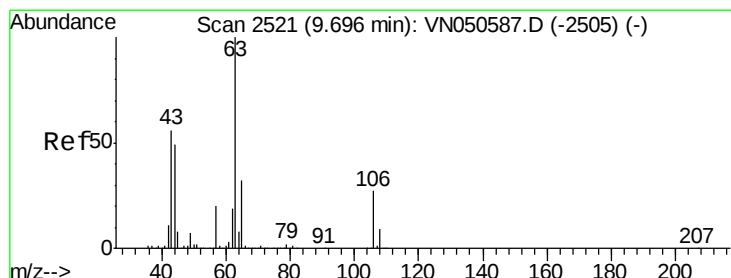
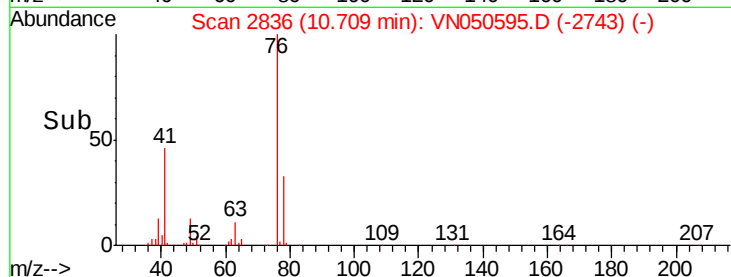
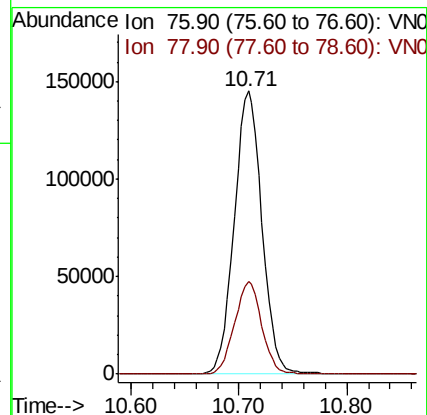
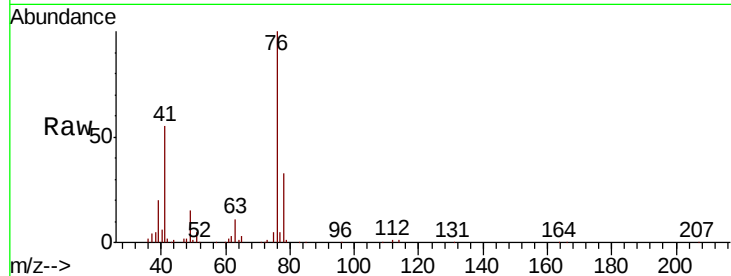
78 32.2 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 97.61 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050595.D

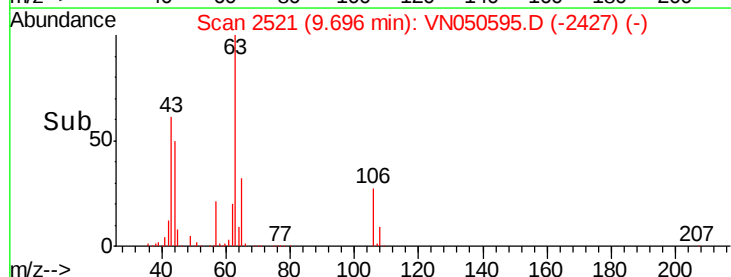
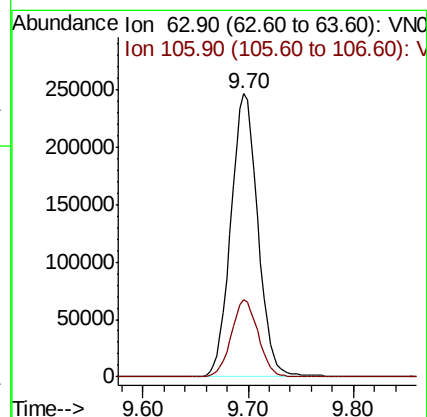
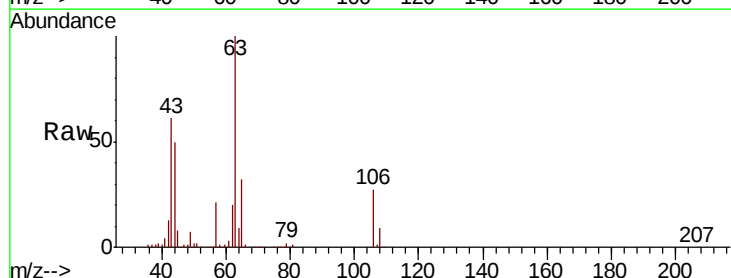
Acq: 14 Aug 2018 12:18

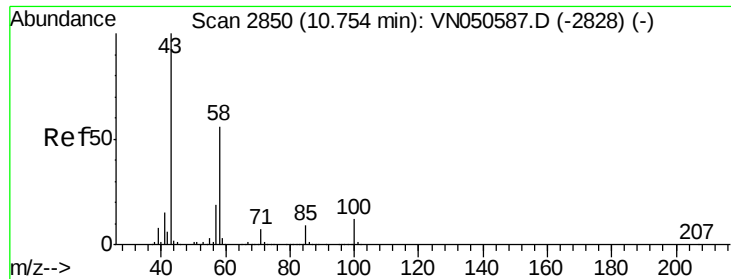
Tgt Ion: 63 Resp: 437439

Ion Ratio Lower Upper

63 100

106 27.2 21.7 32.5





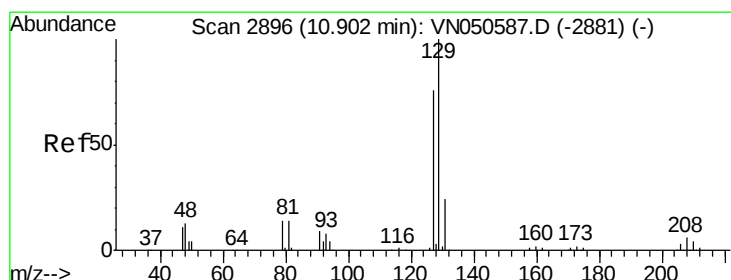
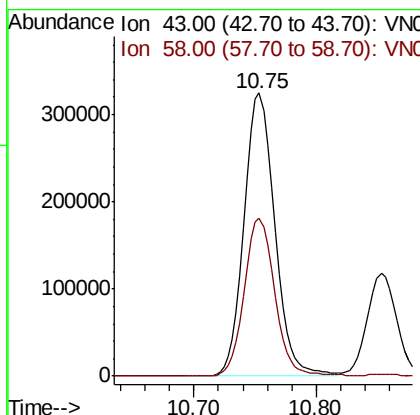
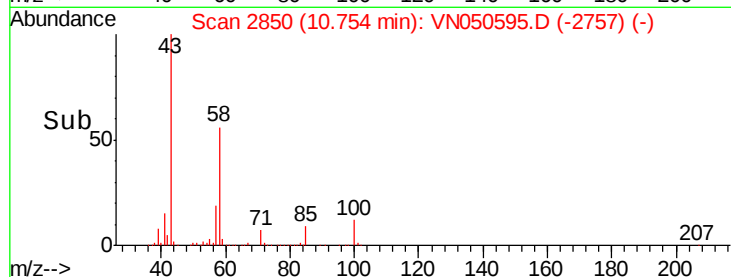
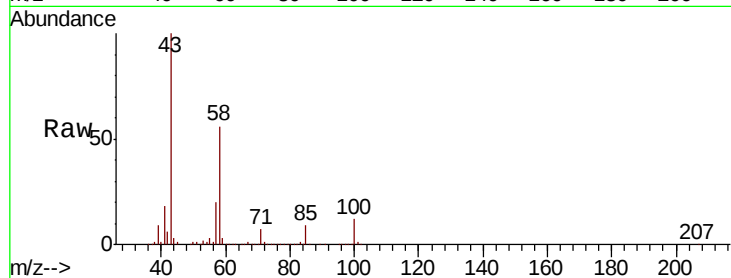
#59
2-Hexanone
Concen: 108.19 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	43.00	Resp	564093
Ion Ratio	43	100	
Lower	58	55.3	28.0
Upper			84.0

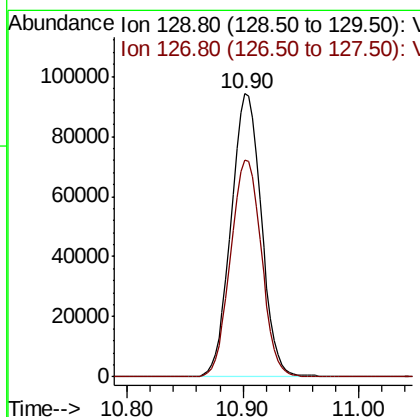
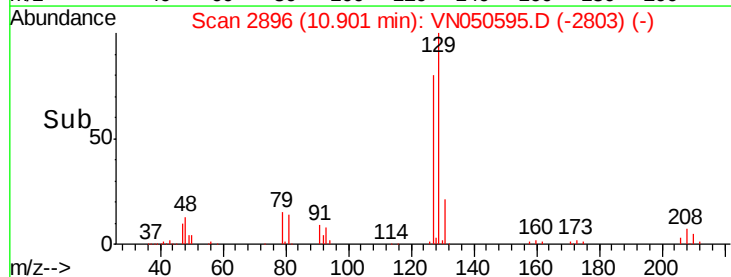
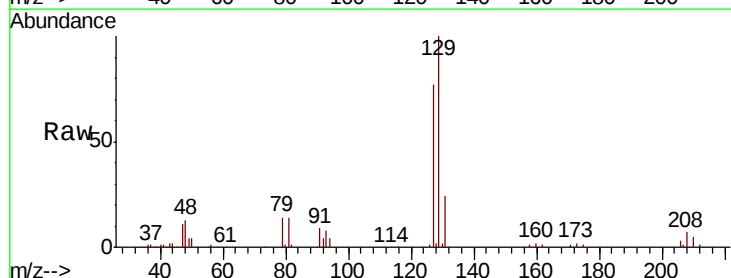
Manual Integrations
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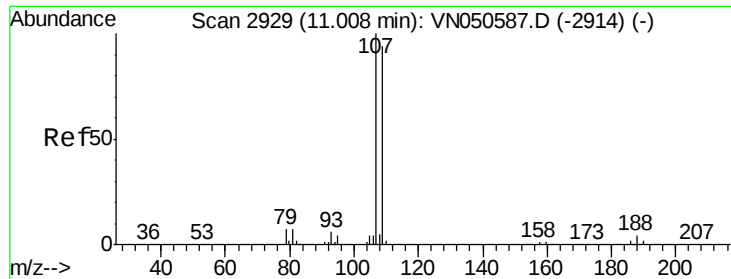
MMDadoda
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#60
Dibromochloromethane
Concen: 19.62 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	129	Resp	170363
Ion Ratio	129	100	
Lower	127	77.8	38.9
Upper			116.7





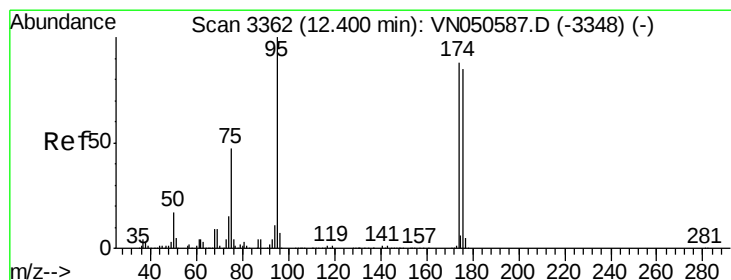
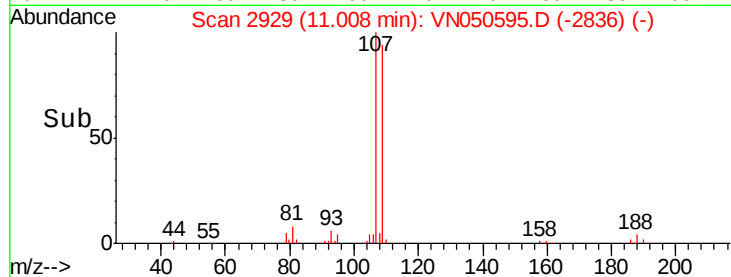
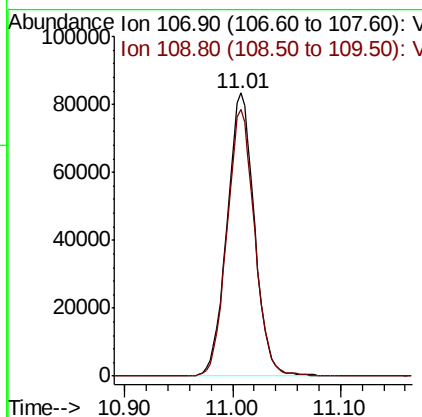
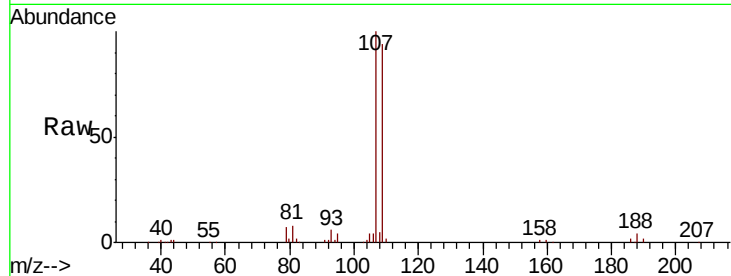
#61
 1,2-Dibromoethane
 Concen: 19.72 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion: 107 Resp: 147750
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.7 113.5

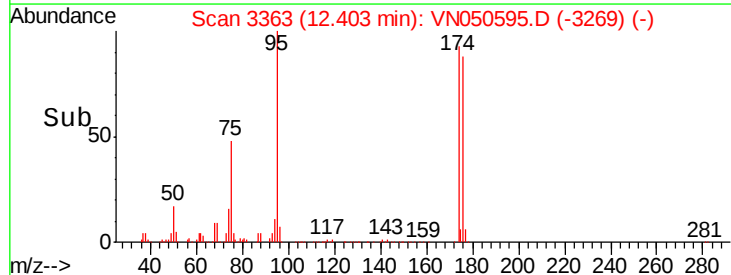
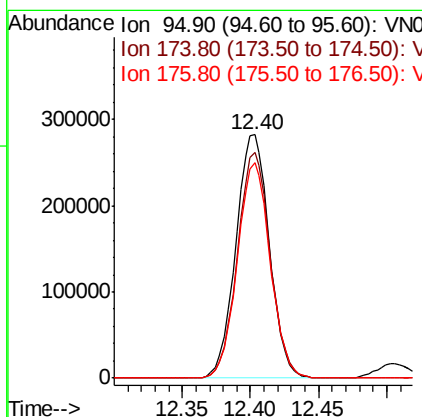
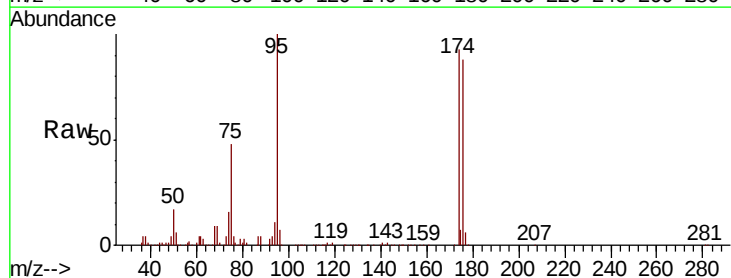
Manual Integrations
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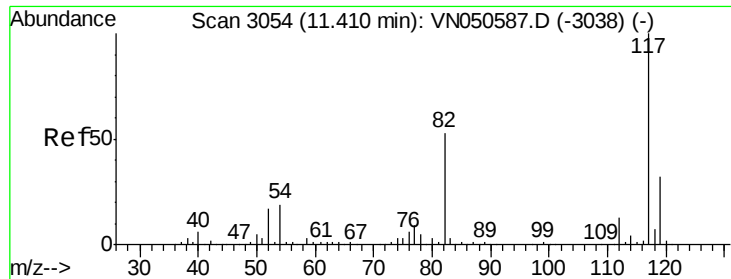
MMDadoda
 8/15/2018 3:31:25 PM



#62
 4-Bromofluorobenzene
 Concen: 46.41 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion: 95 Resp: 479897
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 177.8
 176 87.1 0.0 175.0





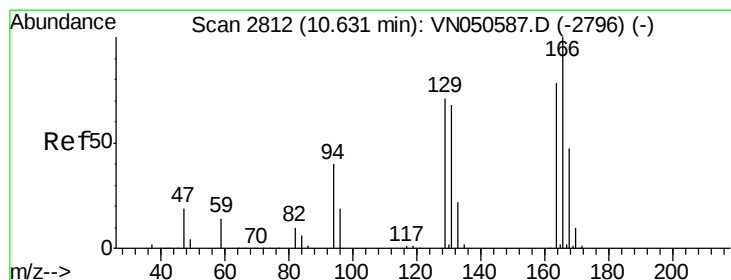
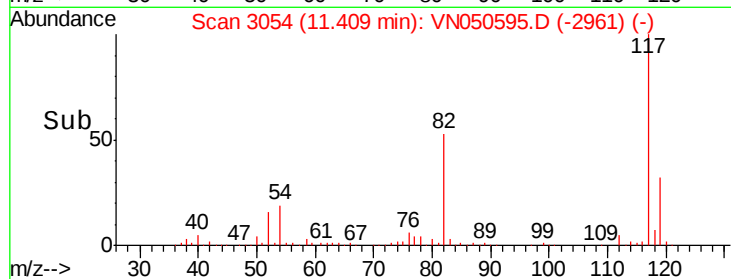
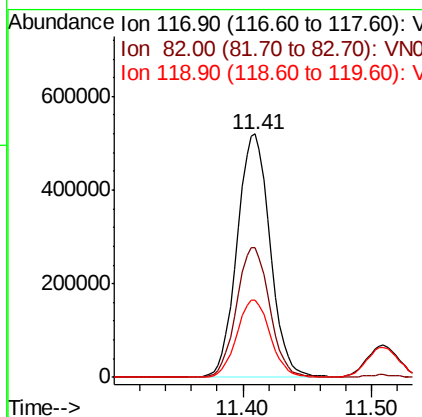
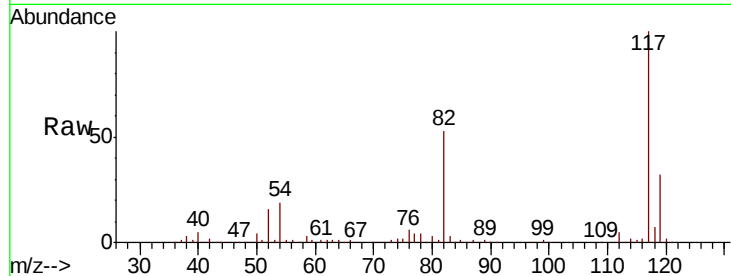
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.4	63.6
119	31.9	25.8	38.8

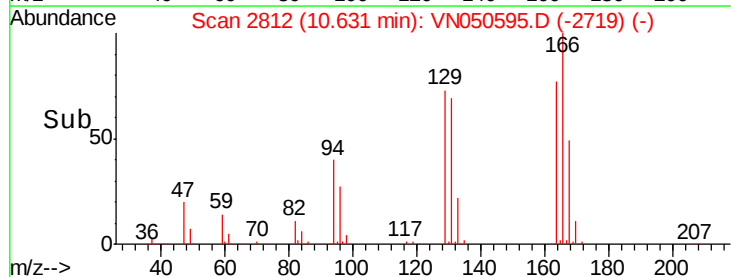
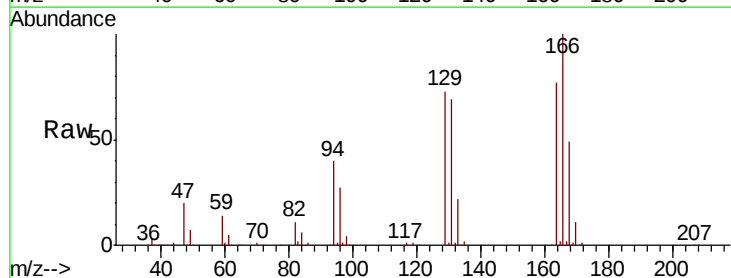
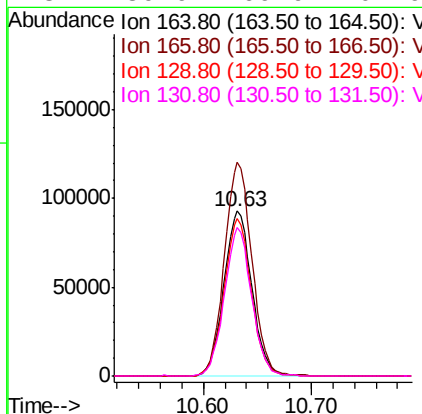
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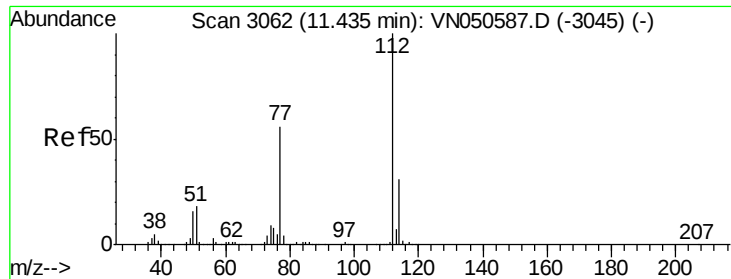
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#64
Tetrachloroethene
Concen: 19.51 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	102.1	153.1
129	95.1	72.7	109.1
131	89.9	69.9	104.9





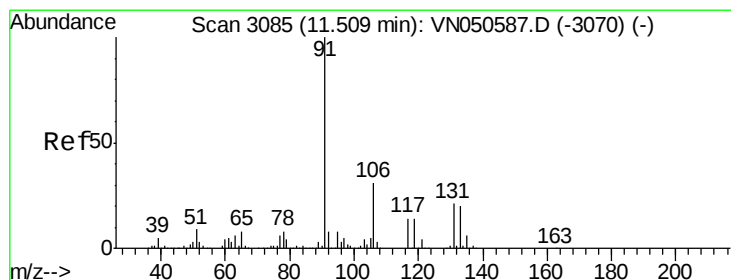
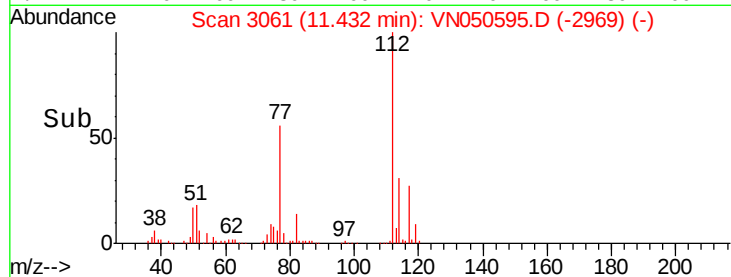
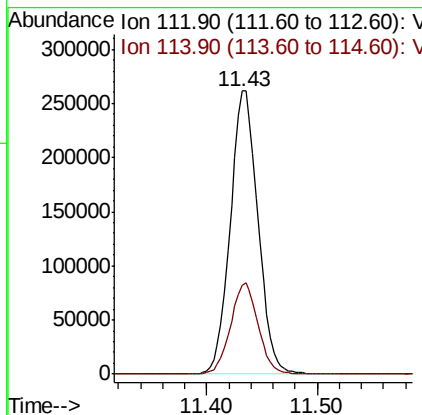
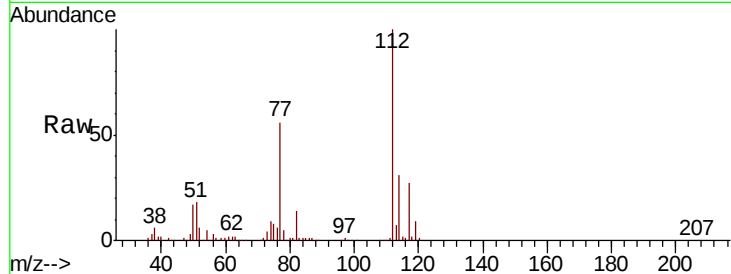
#65
Chlorobenzene
Concen: 19.78 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion:112 Resp: 455240
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8

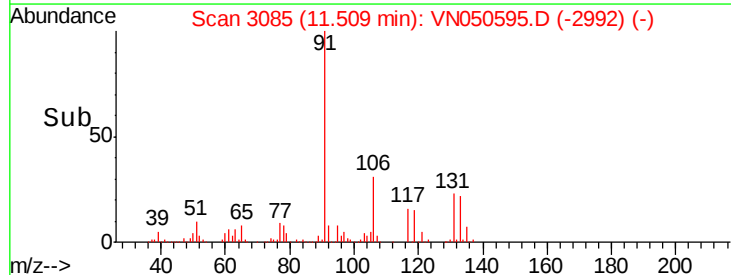
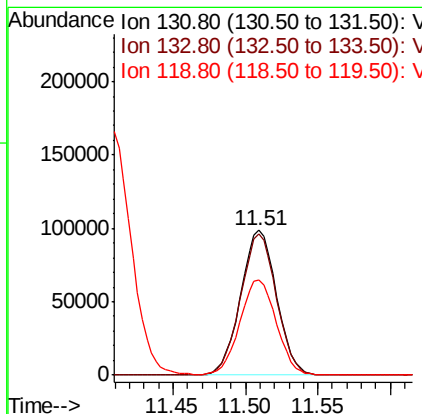
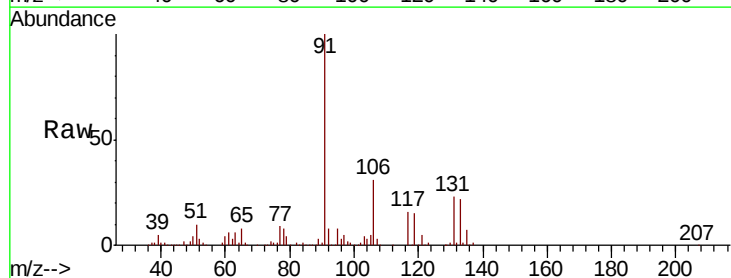
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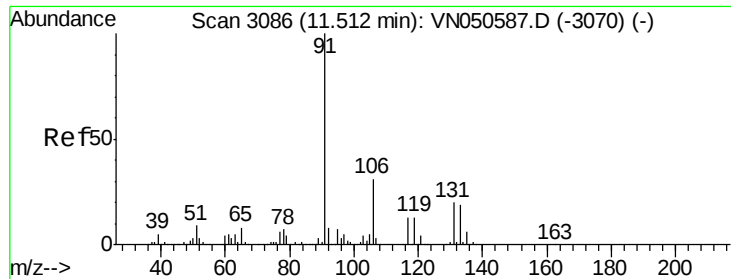
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.74 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion:131 Resp: 170323
Ion Ratio Lower Upper
131 100
133 97.1 47.6 142.9
119 66.7 33.1 99.3





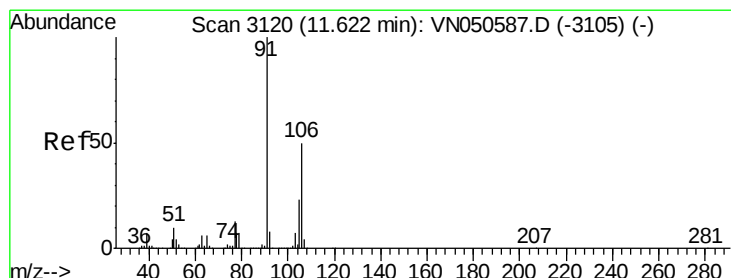
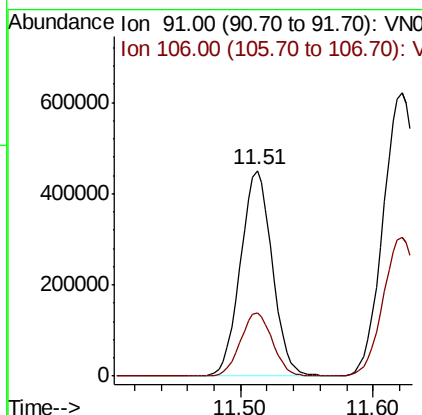
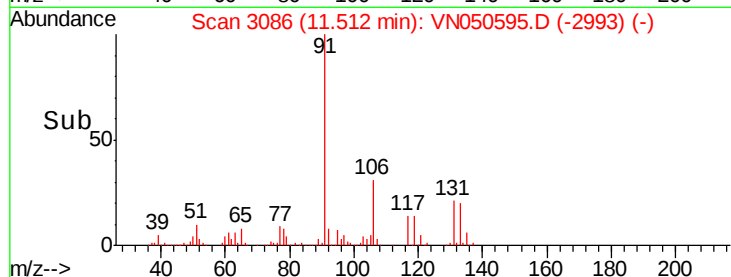
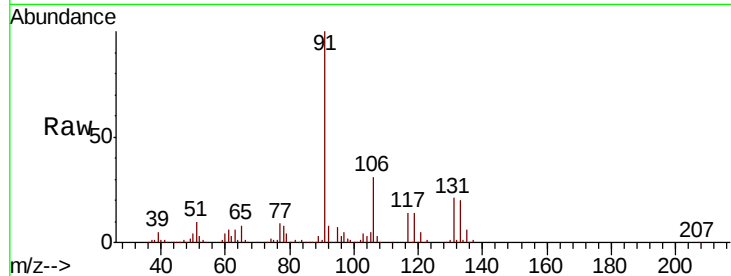
#67
Ethyl Benzene
Concen: 20.17 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion: 91 Resp: 749753
Ion Ratio Lower Upper
91 100
106 30.9 24.8 37.2

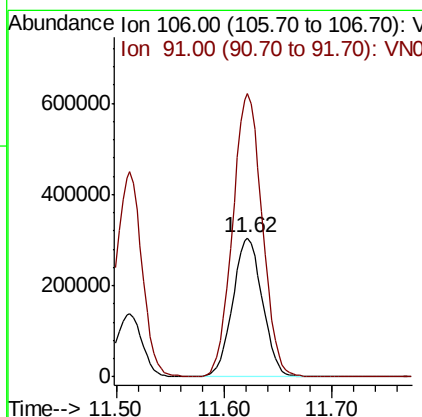
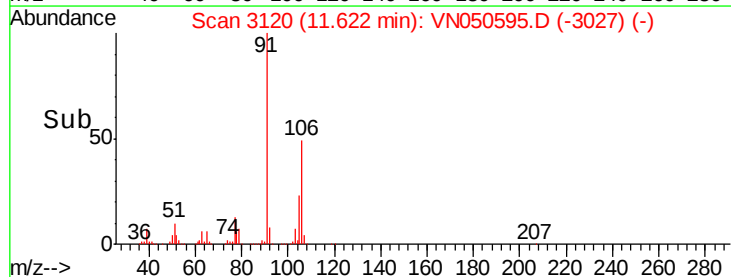
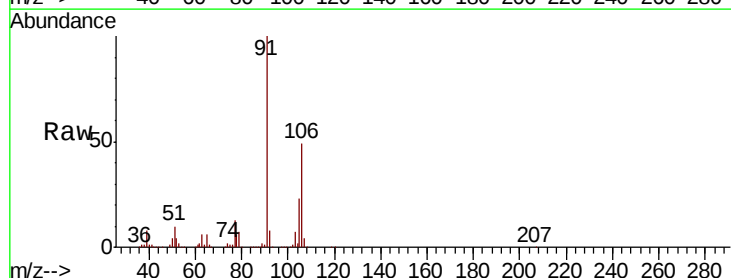
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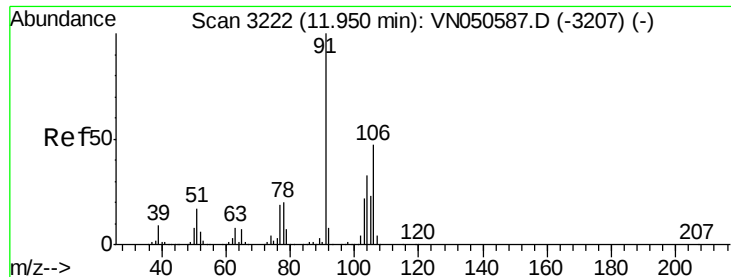
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#68
m/p-Xylenes
Concen: 41.09 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion: 106 Resp: 584052
Ion Ratio Lower Upper
106 100
91 203.3 161.5 242.3





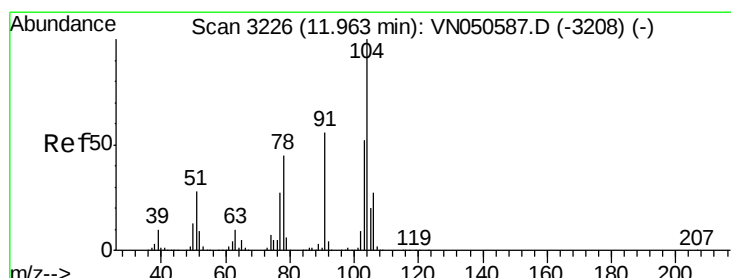
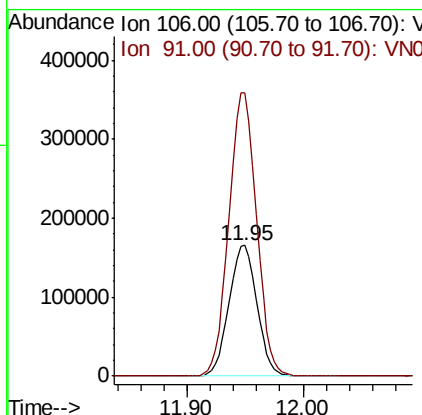
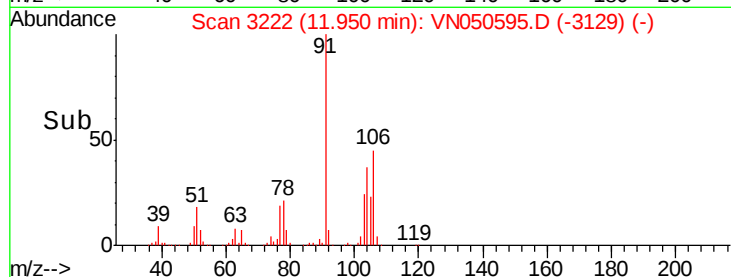
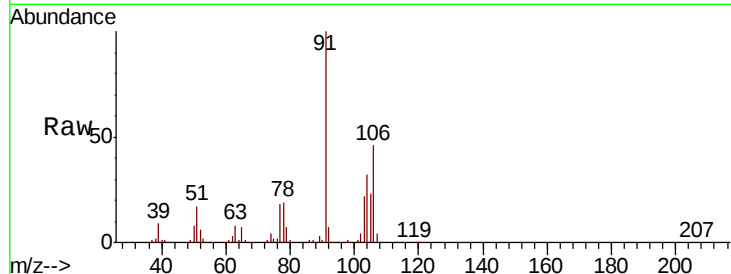
#69
o-Xylene
Concen: 20.24 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.2	106.8	320.4

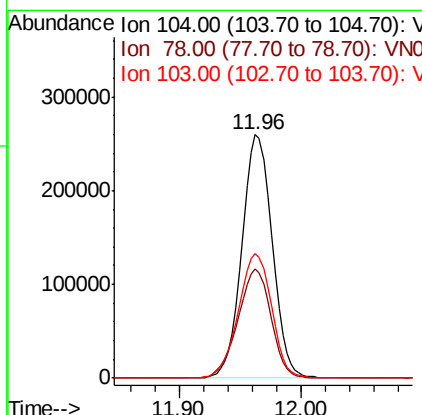
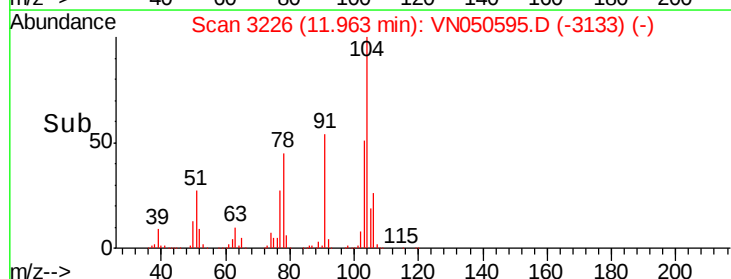
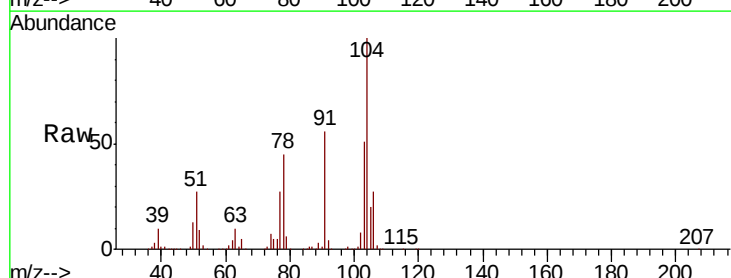
Manual Integrations
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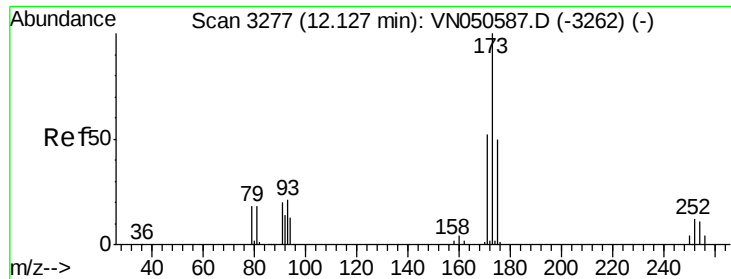
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#70
Styrene
Concen: 19.05 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.1	58.7
103	56.0	44.9	67.3





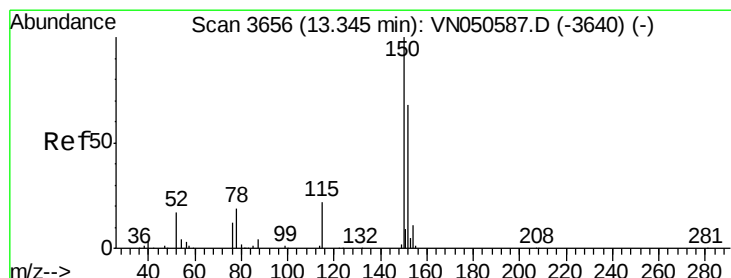
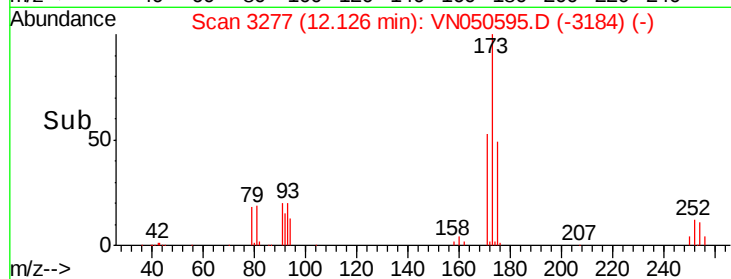
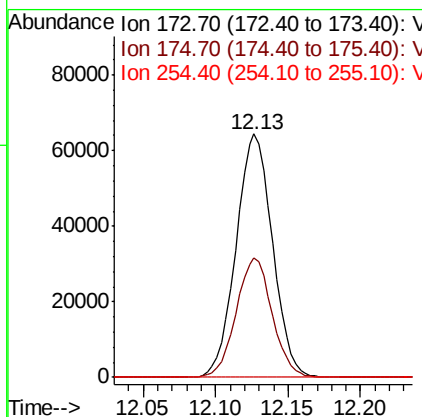
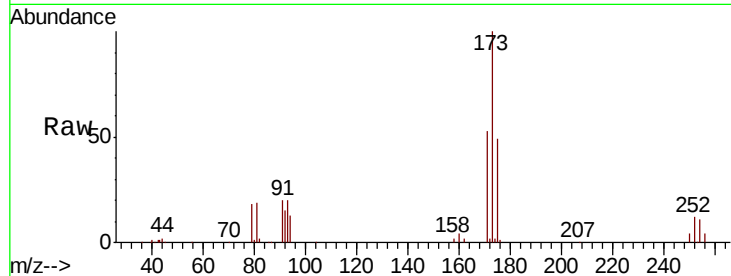
#71
Bromoform
Concen: 19.66 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.4	73.2
254	0.0	0.0	0.0#

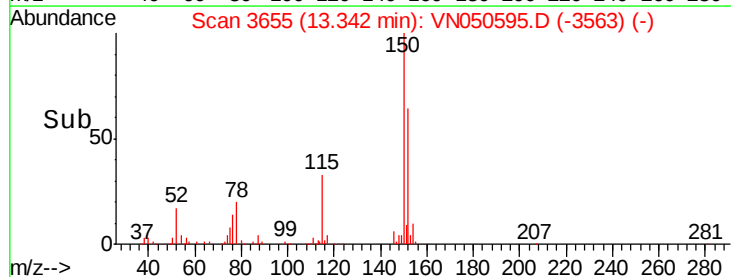
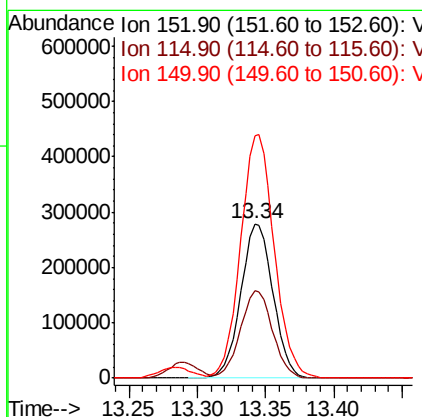
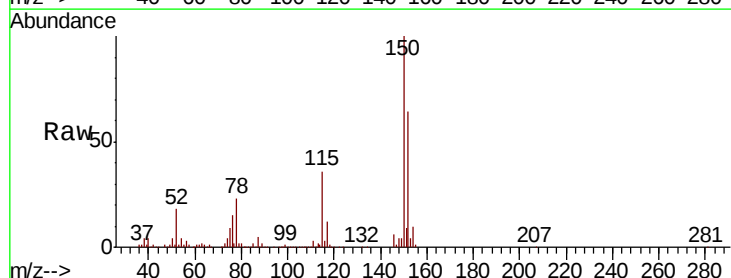
Manual Integrations
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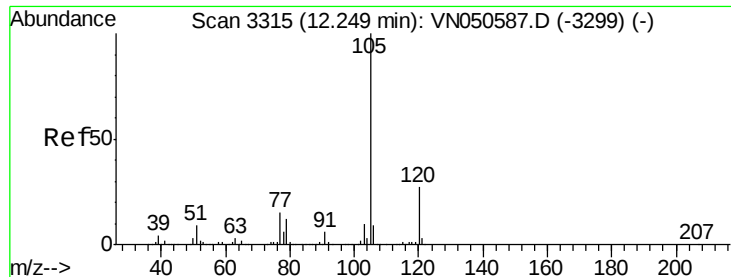
MMDadoda
8/15/2018 3:31:25 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.1	84.2
150	164.9	0.0	347.8





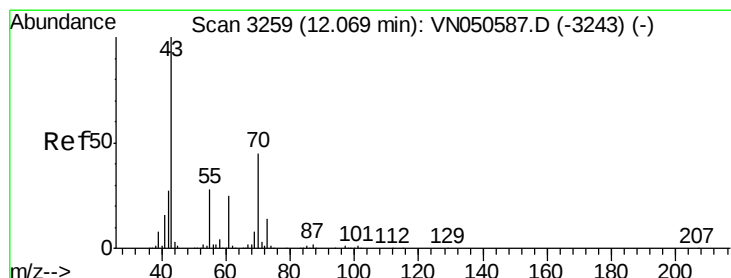
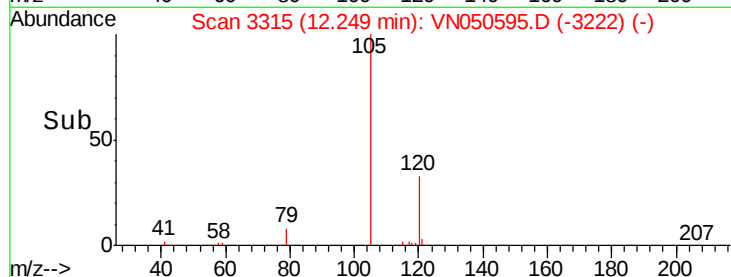
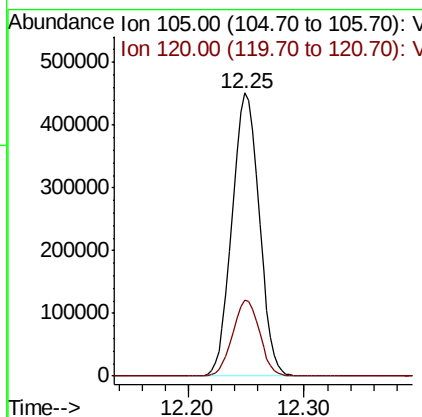
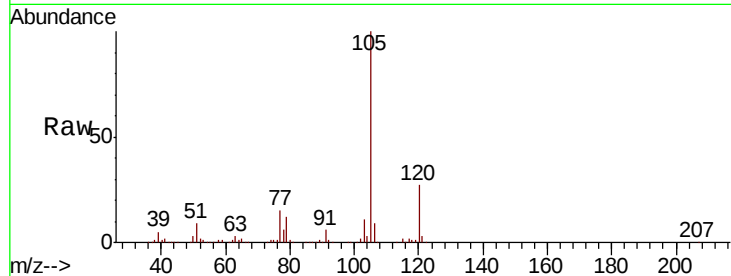
#73
Isopropylbenzene
Concen: 20.45 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.1

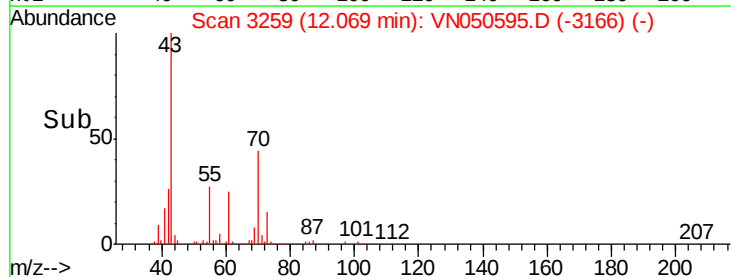
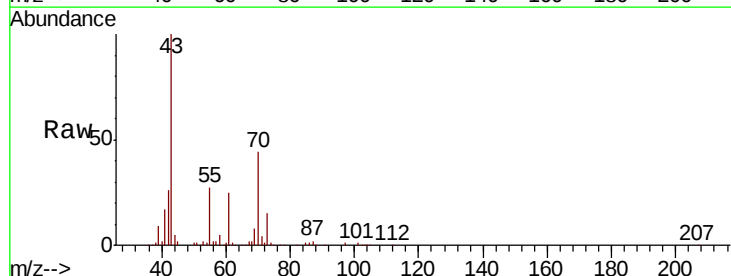
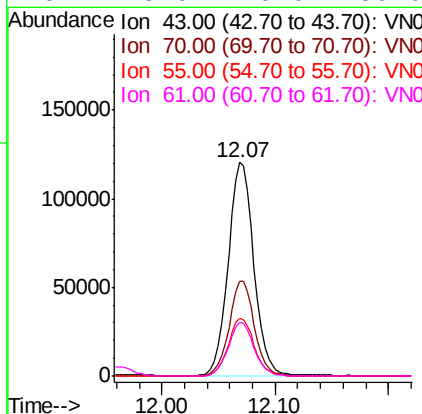
Manual Integrations
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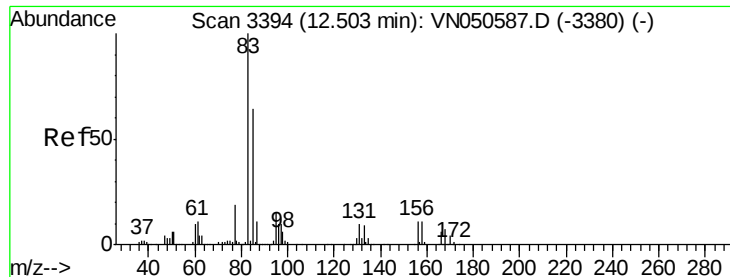
MMDadoda
8/15/2018 3:31:25 PM



#74
N-ethyl acetate
Concen: 20.52 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.4	35.9	53.9
55	27.3	22.2	33.4
61	25.0	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.84 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

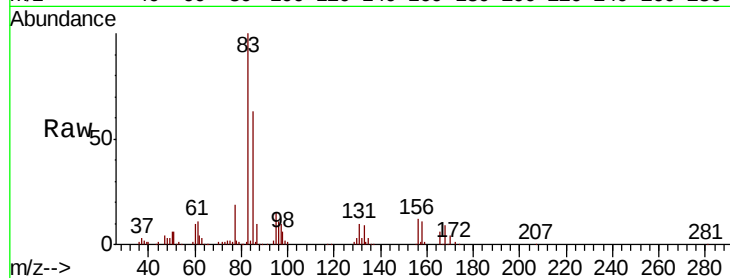
ClientSampled :

VN0814WBS01

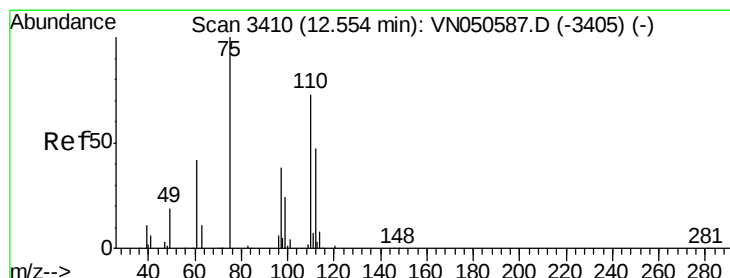
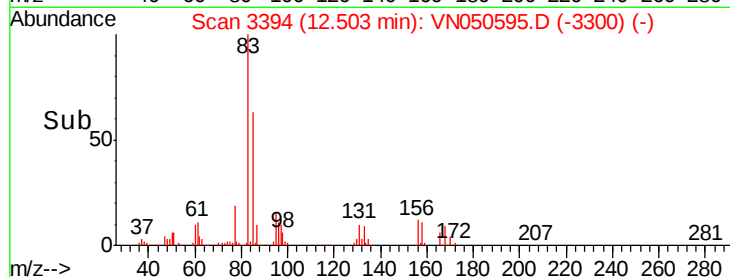
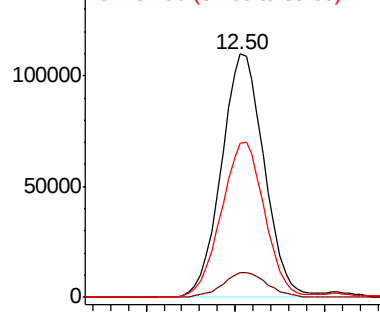
Tot Ion:	83	Resp:	183634
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	64.8	32.1	96.5

Manual Integrations
APPROVED

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Abundance Ion 82.90 (82.60 to 83.60): VN050587.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 18.68 ug/l m

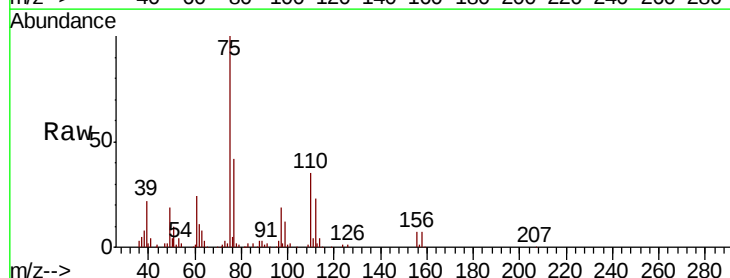
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

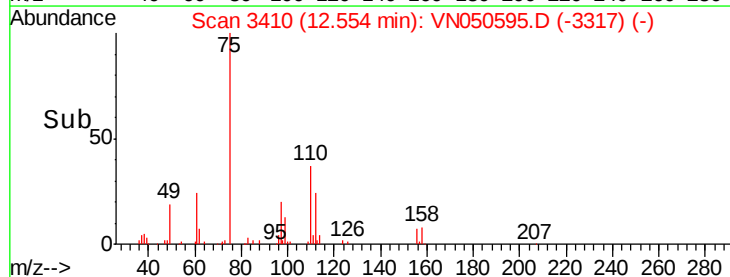
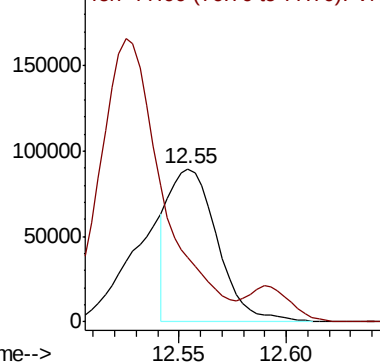
Lab File: VN050595.D

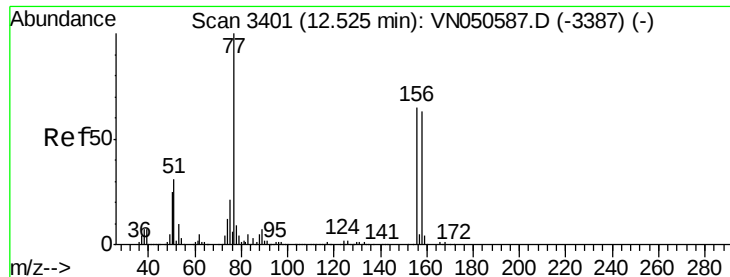
Acq: 14 Aug 2018 12:18

Tgt Ion:	75	Resp:	142348
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050587.D (-3405) (-)





#77

Bromobenzene

Concen: 19.45 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

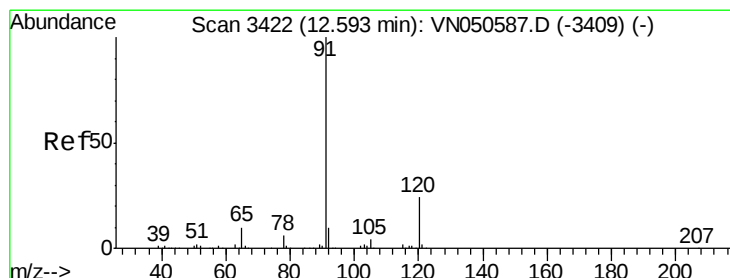
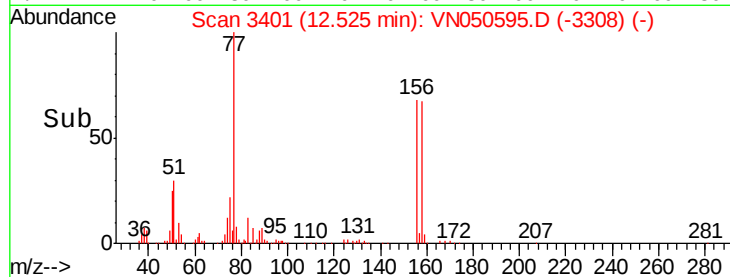
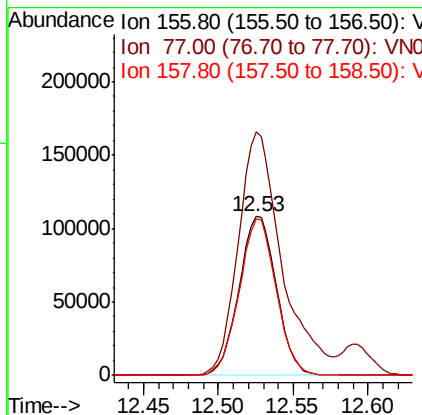
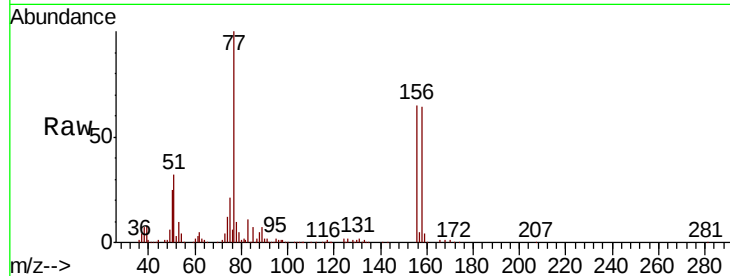
ClientSampleId :

VN0814WBS01

Tot Ion:	156	Resp:	188131
Ion Ratio	Lower	Upper	
156	100		
77	179.4	89.0	267.1
158	97.3	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.53 ug/l

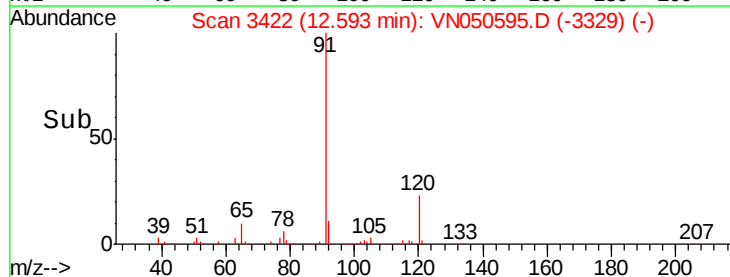
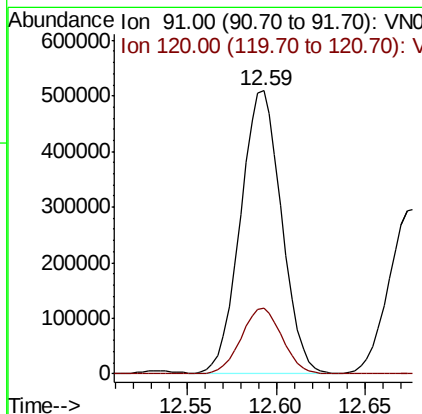
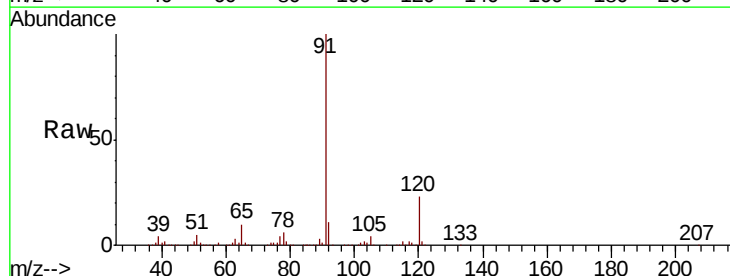
RT: 12.59 min Scan# 3422

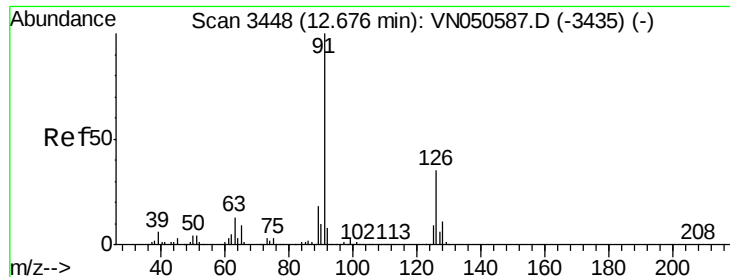
Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Tgt Ion:	91	Resp:	815566
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.8	35.4





#79

2-Chlorotoluene

Concen: 20.03 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0814WBS01

Tot Ion: 91 Resp: 496098

Ion Ratio Lower Upper

91 100

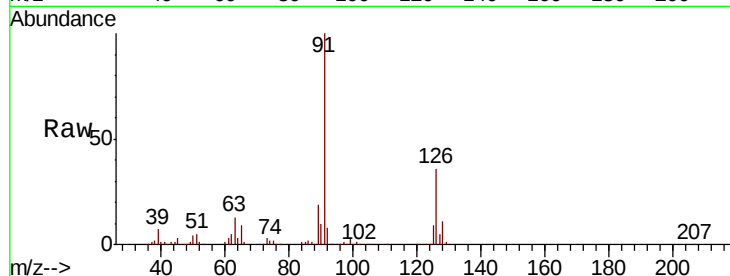
126 35.5 17.6 52.8

Manual Integrations

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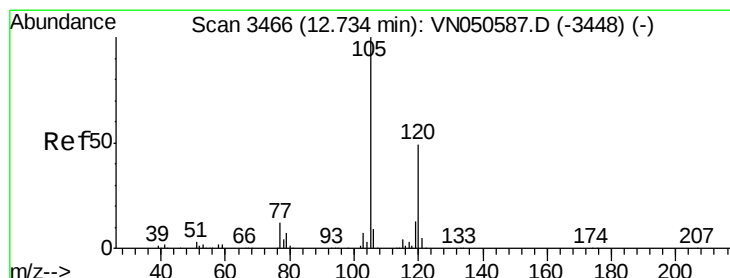
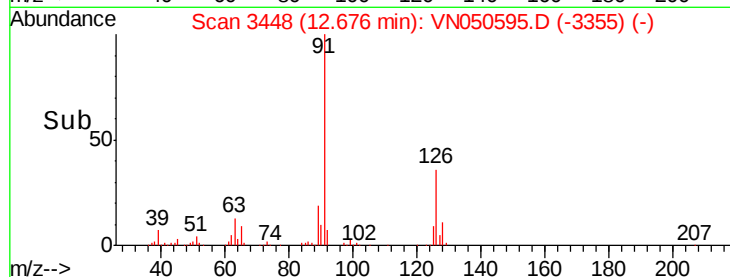
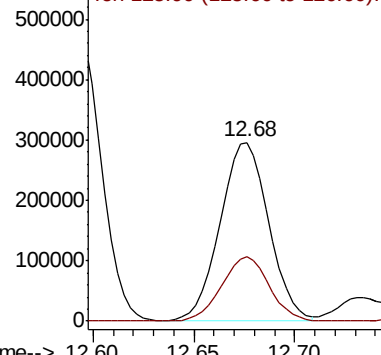
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.90 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050595.D

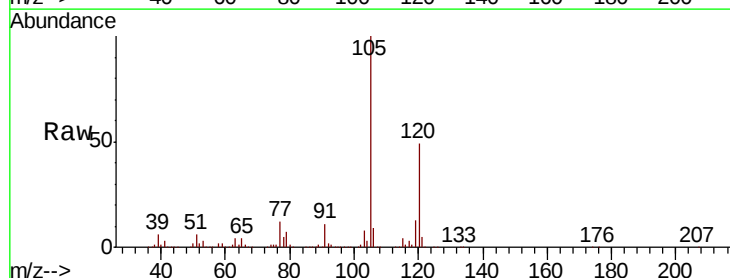
Acq: 14 Aug 2018 12:18

Tgt Ion:105 Resp: 596235

Ion Ratio Lower Upper

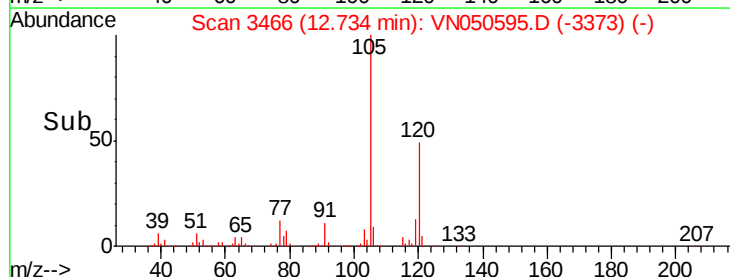
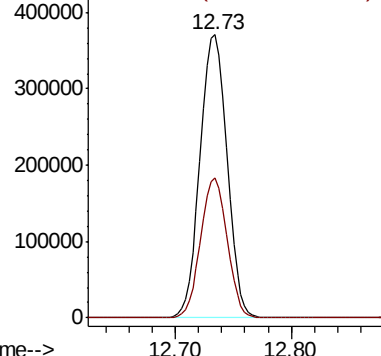
105 100

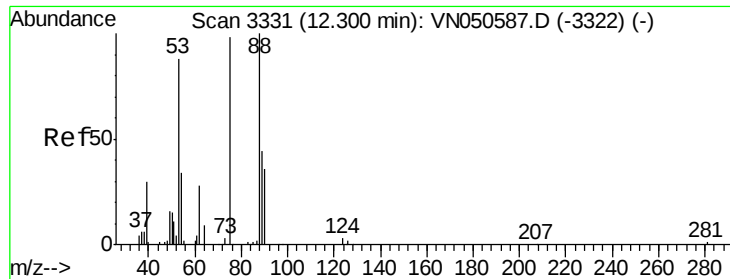
120 48.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.08 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

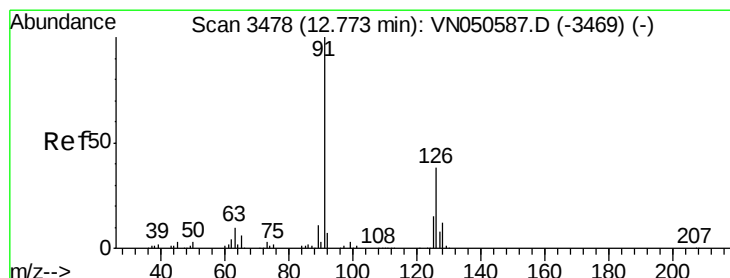
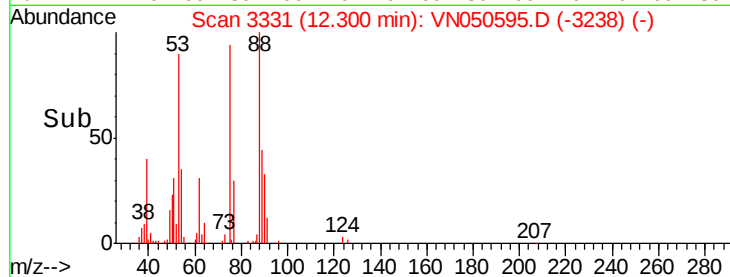
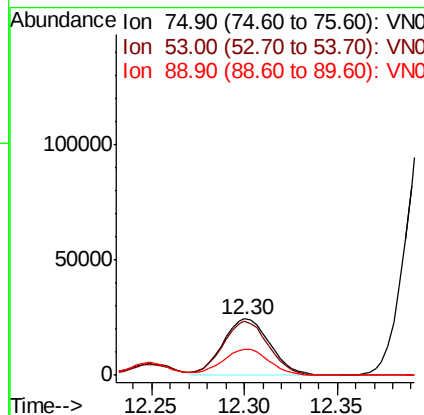
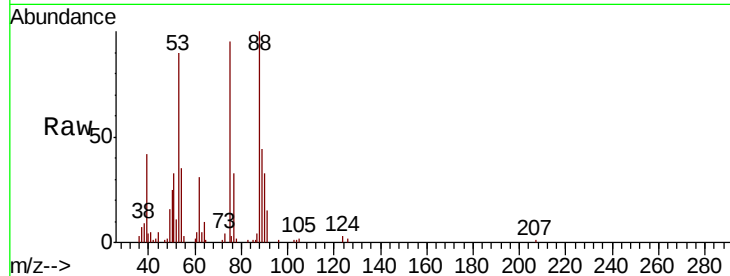
ClientSampled :

VN0814WBS01

Tot Ion:	75	Resp:	43228
Ion	Ratio	Lower	Upper
75	100		
53	93.1	72.2	108.2
89	46.0	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.40 ug/l

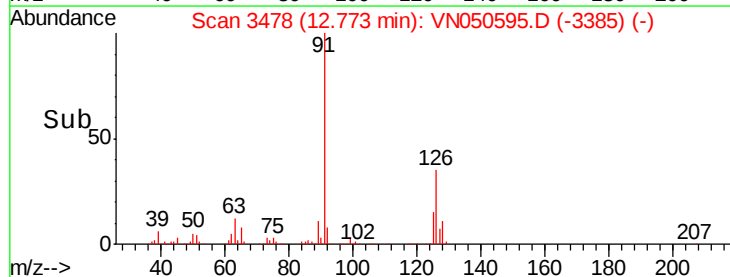
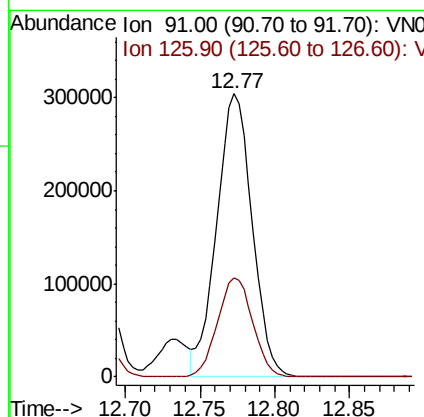
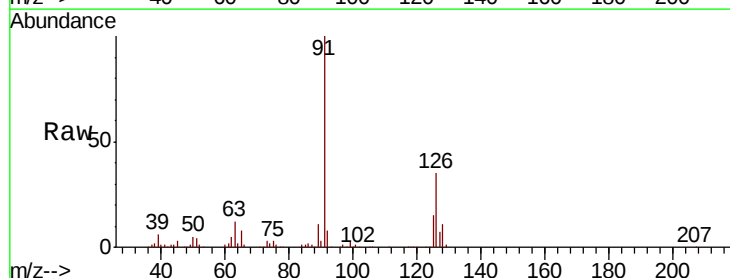
RT: 12.77 min Scan# 3478

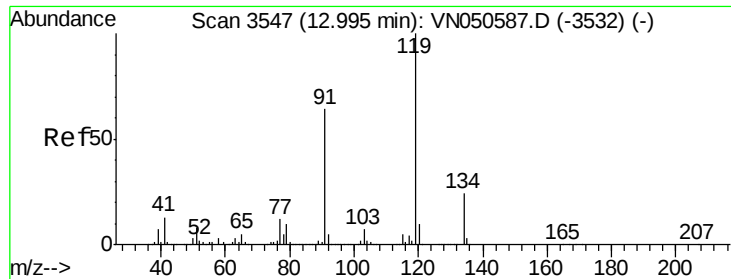
Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Tgt Ion:	91	Resp:	499404
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	52.0





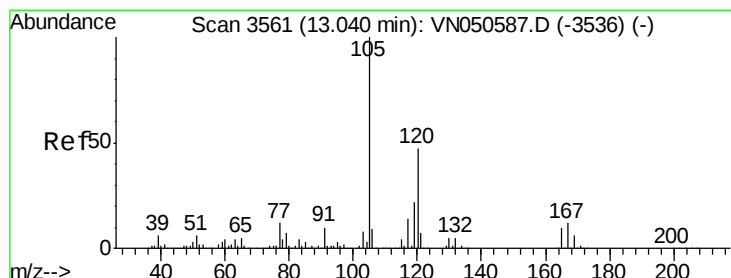
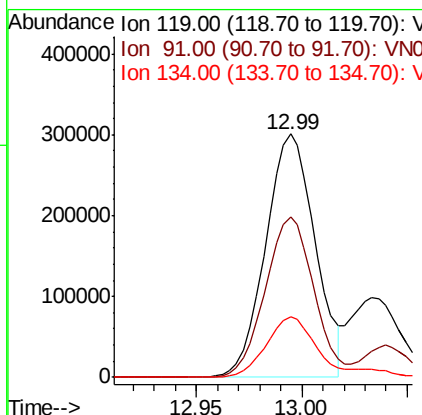
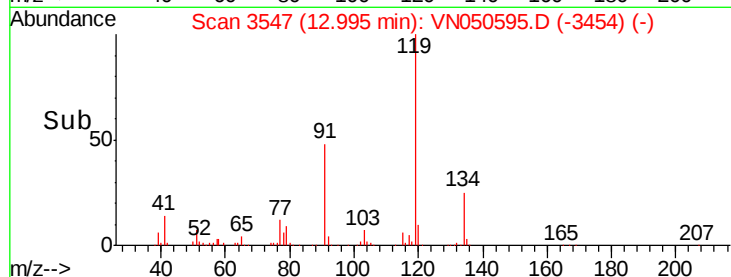
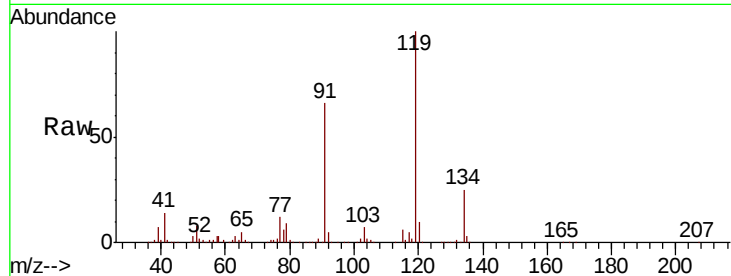
#83
 tert-Butylbenzene
 Concen: 19.86 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	491889		
91	65.0	32.2	96.6	
134	24.6	13.4	40.2	

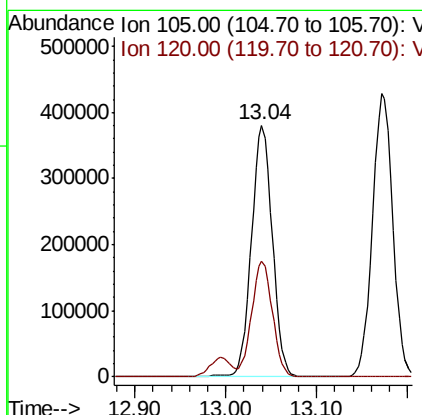
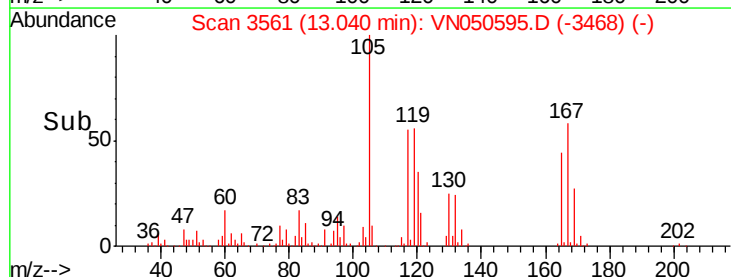
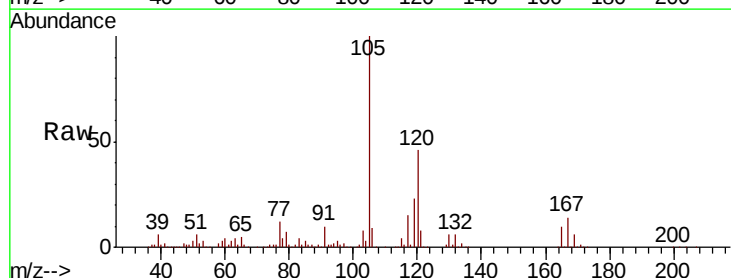
Manual Integrations
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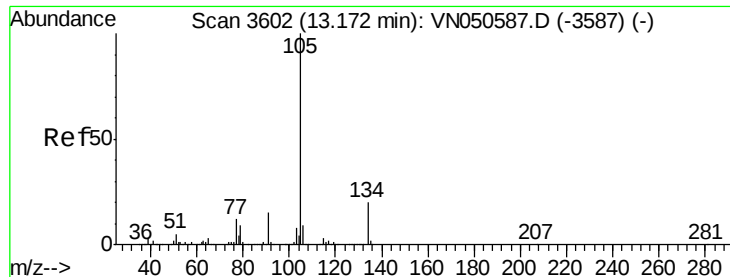
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.22 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	607422		
120	45.8	23.2	69.5	





#85

sec-Butylbenzene

Concen: 20.52 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion:105 Resp: 663972

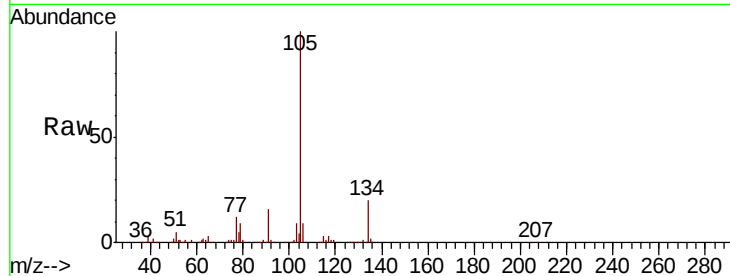
Ion Ratio Lower Upper

105 100

134 20.5 10.1 30.3

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

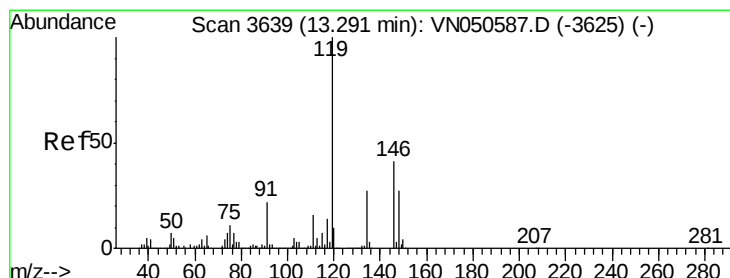
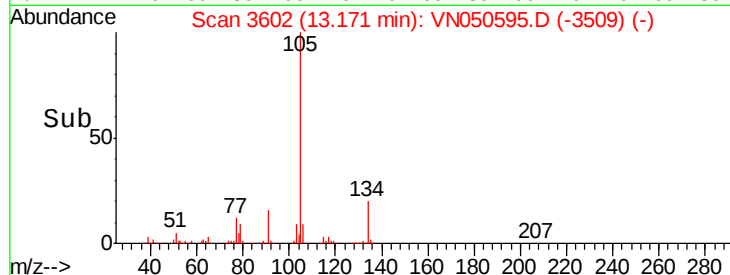
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.94 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050595.D

Acq: 14 Aug 2018 12:18

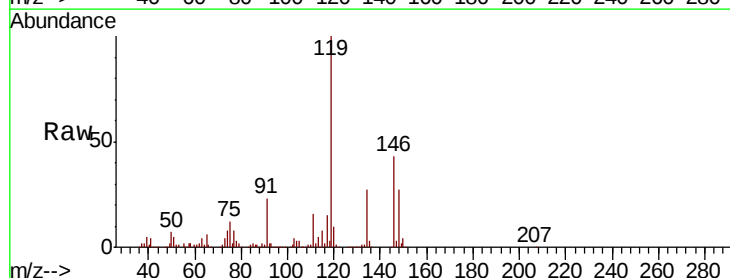
Tgt Ion:119 Resp: 574202

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.5 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

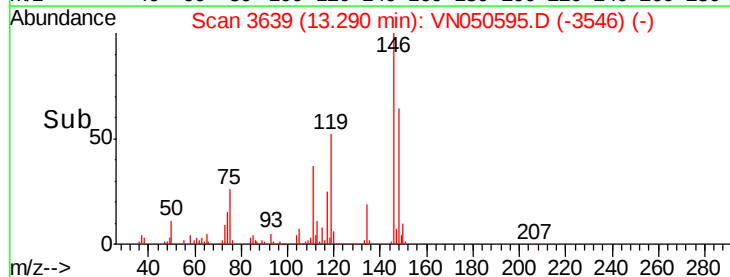
300000

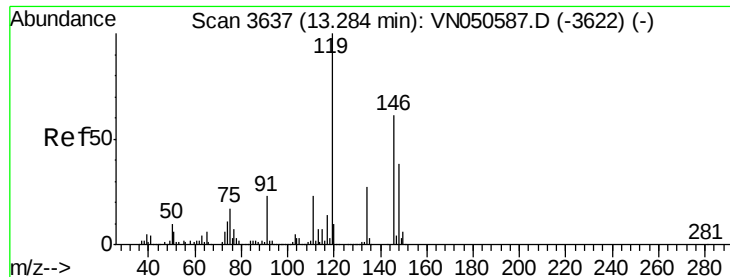
200000

100000

0

Time--> 13.20 13.25 13.30 13.35





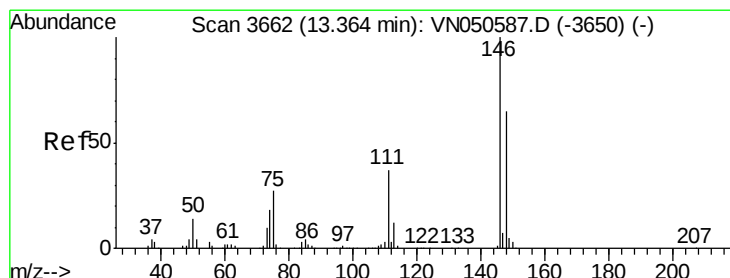
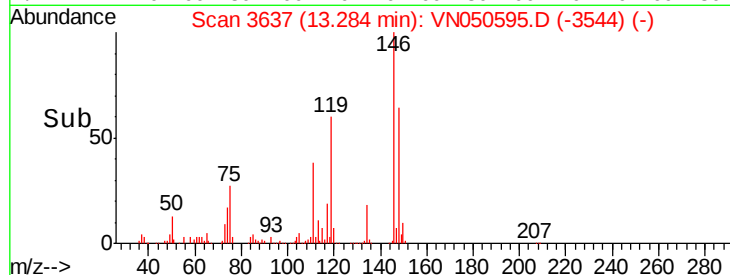
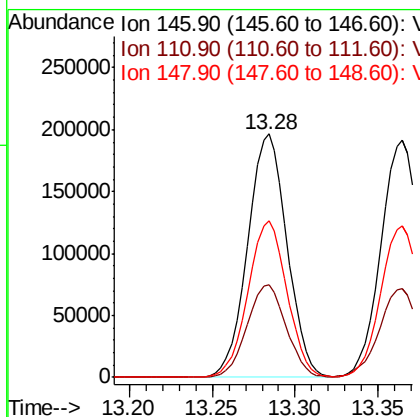
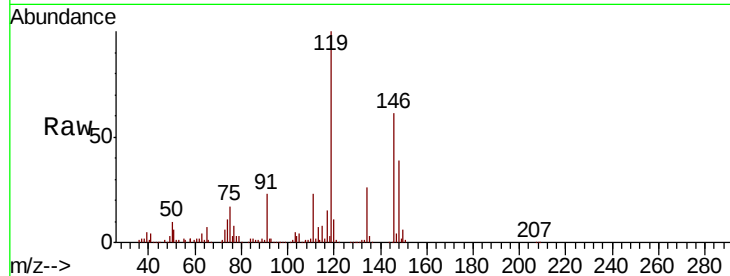
#87
 1,3-Dichlorobenzene
 Concen: 19.63 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0814WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.0	19.2	57.6	
148	63.7	31.9	95.7	

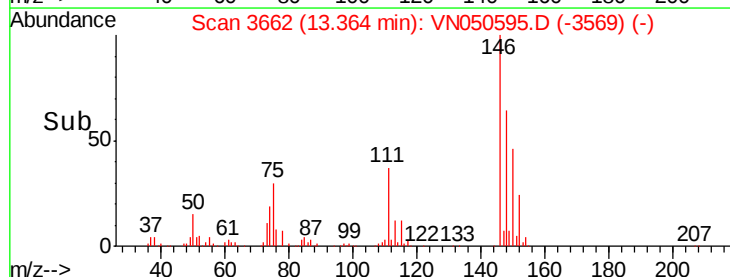
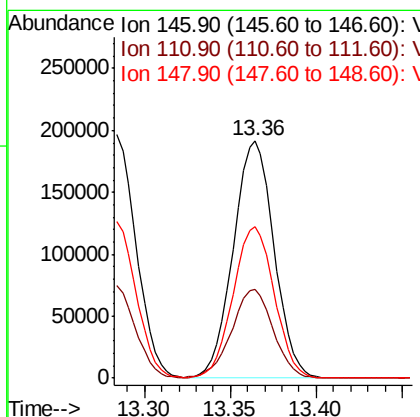
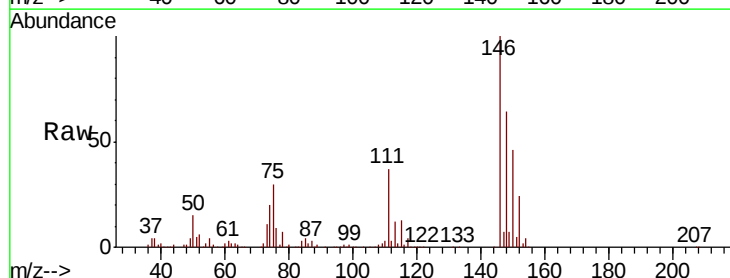
Manual Integrations
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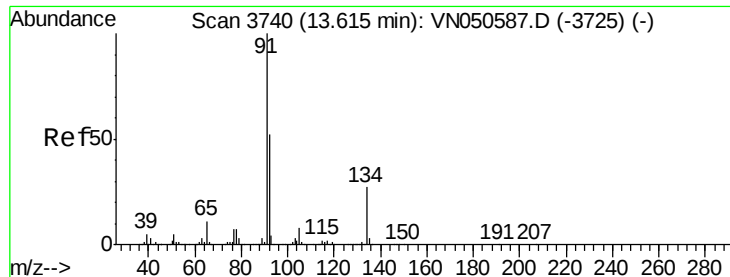
MMDadoda
 8/15/2018 3:31:25 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.29 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.2	18.8	56.4	
148	64.5	32.3	96.8	





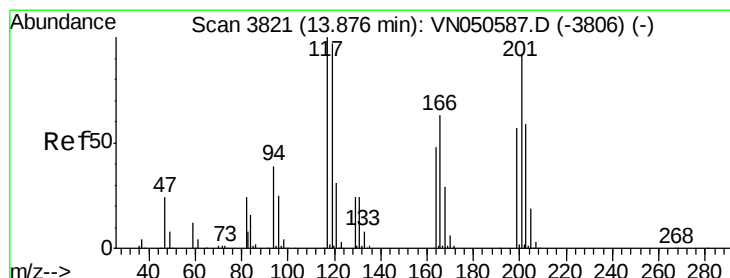
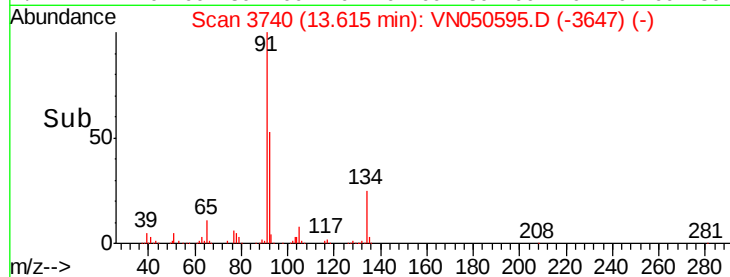
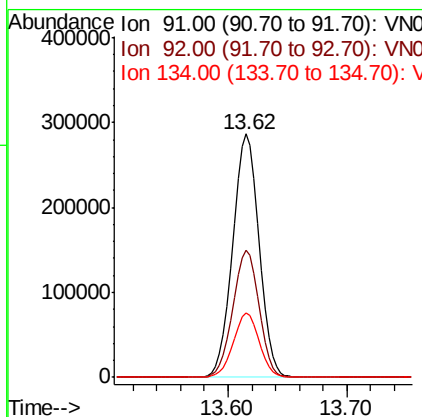
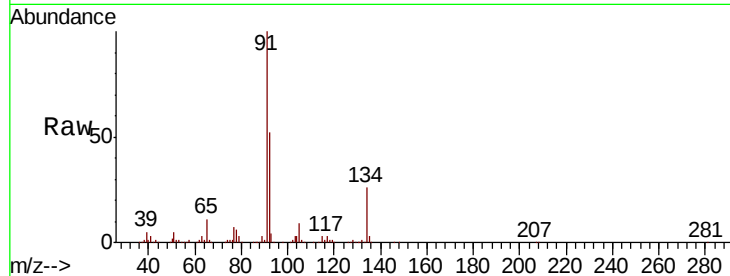
#89
n-Butylbenzene
Concen: 19.86 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.8
134	25.9	13.3	39.9

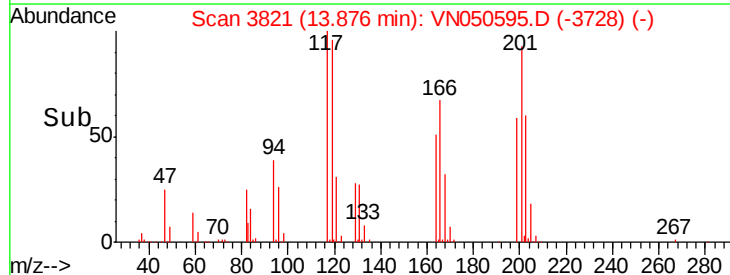
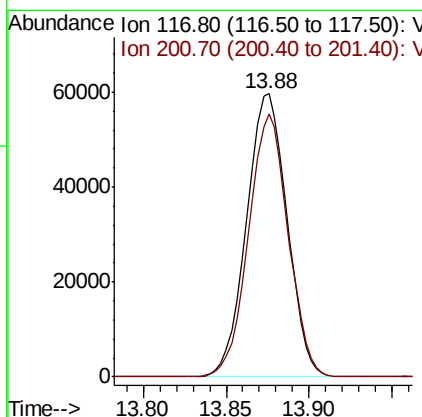
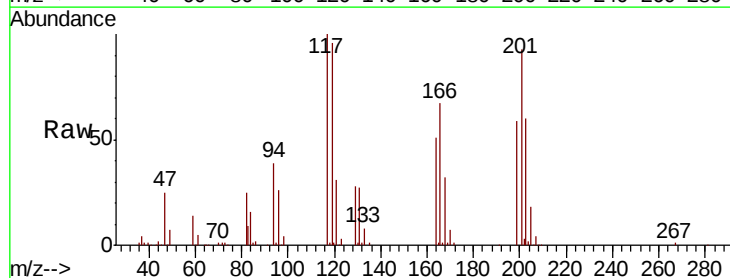
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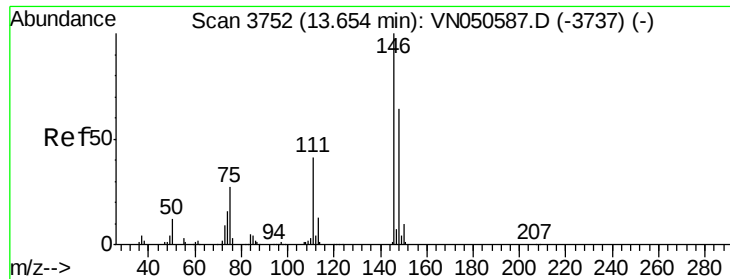
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#90
Hexachloroethane
Concen: 18.40 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.5	45.5	136.5





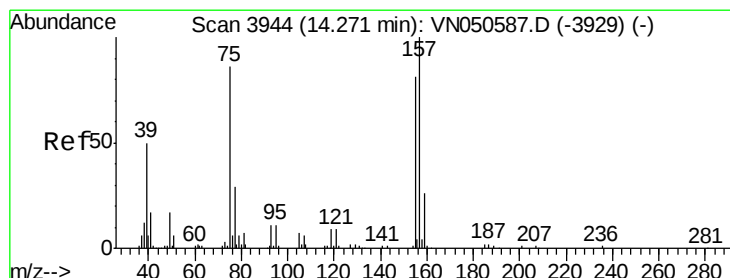
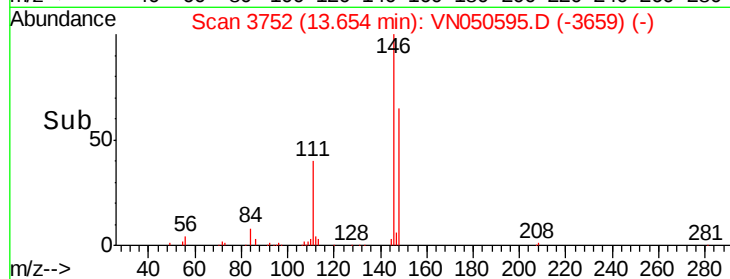
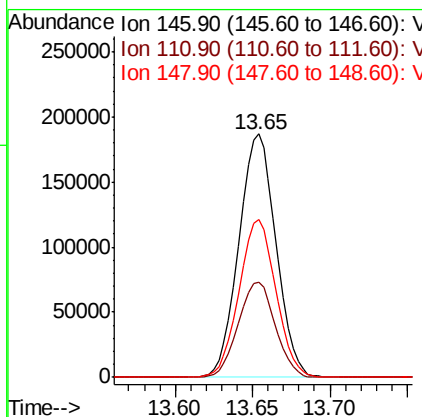
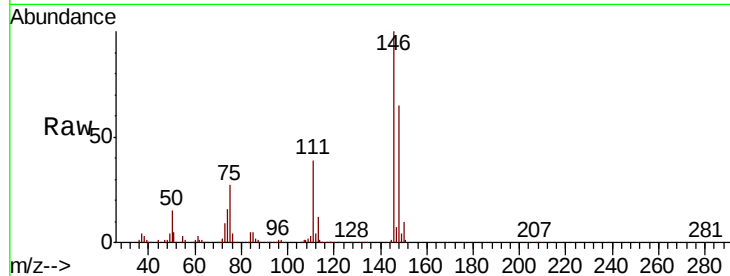
#91
 1,2-Dichlorobenzene
 Concen: 19.37 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	311218		
111	39.0	19.8	59.4	
148	64.6	32.3	96.8	

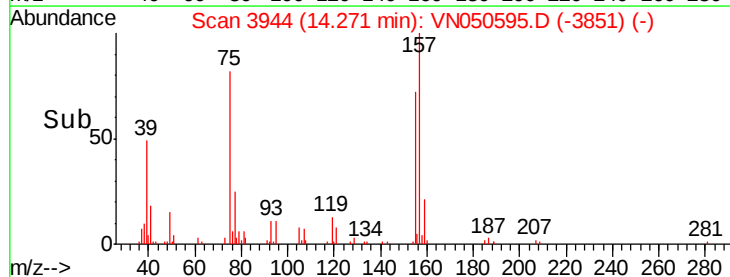
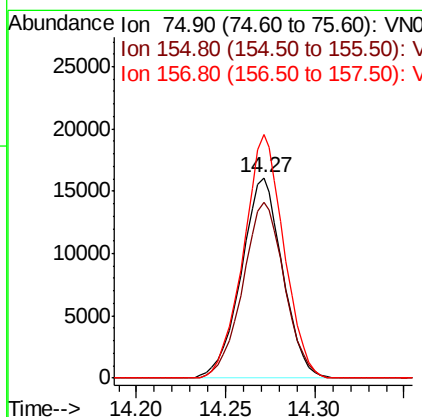
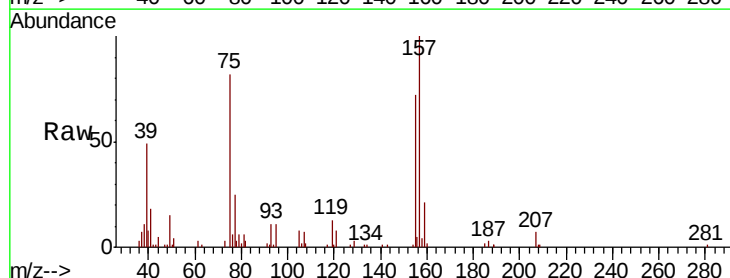
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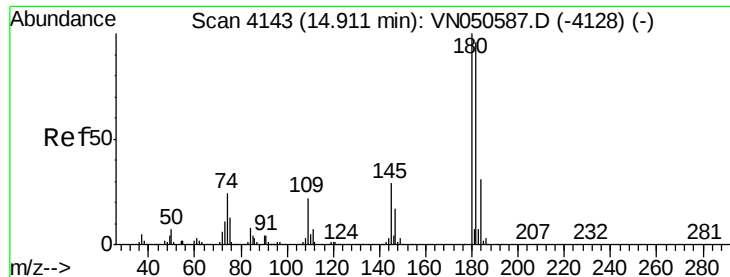
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.47 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26018		
155	88.5	46.6	139.8	
157	118.7	58.1	174.2	





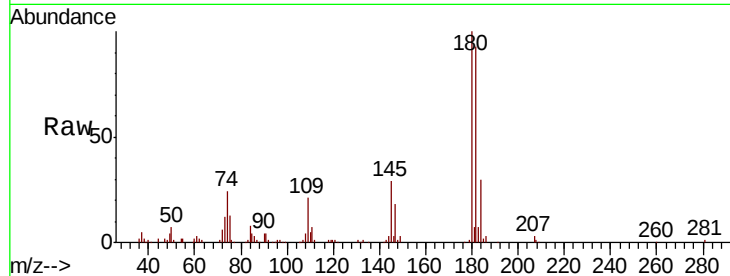
#93
 1,2,4-Trichlorobenzene
 Concen: 18.70 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	139563		
182	95.8	47.9	143.7	
145	28.6	14.4	43.4	

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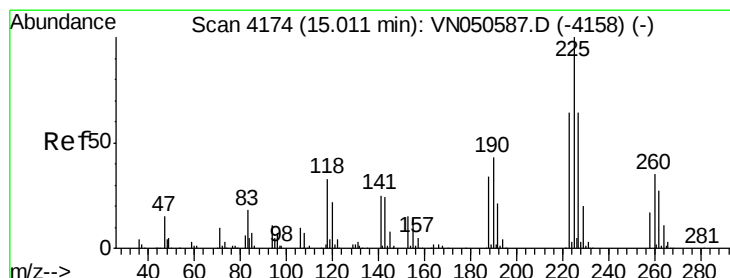
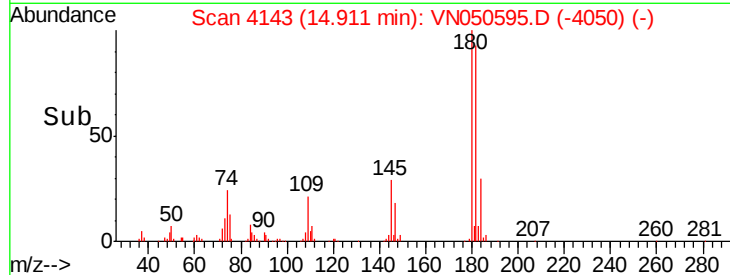
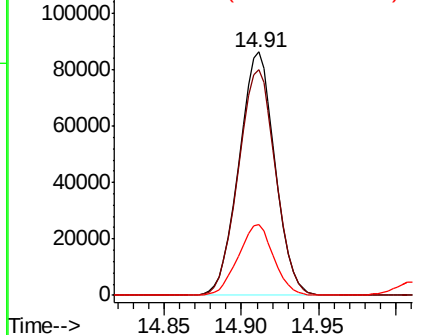


Abundance

Ion 179.80 (179.50 to 180.50): V

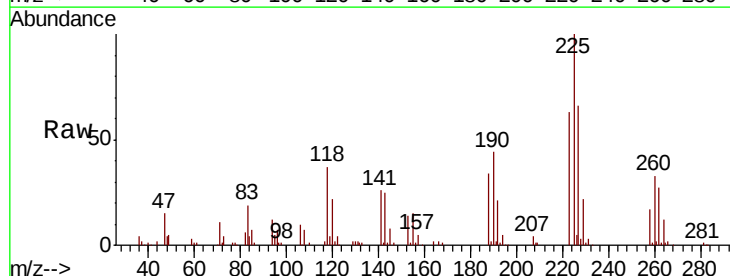
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.87 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97895		
223	62.0	32.1	96.3	
227	64.8	32.0	96.2	

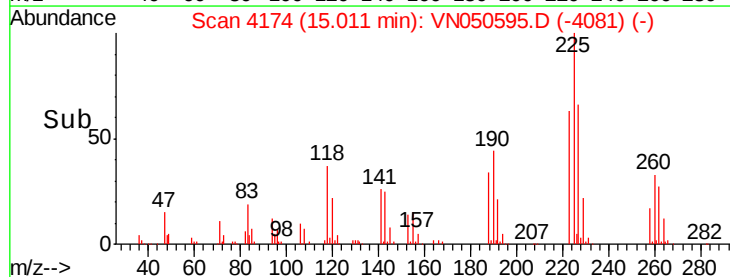
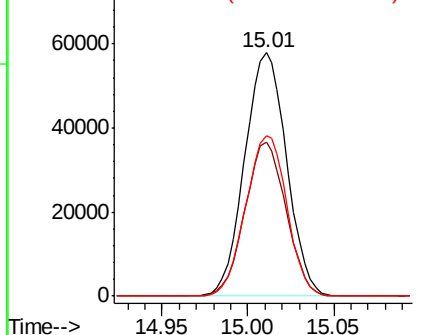


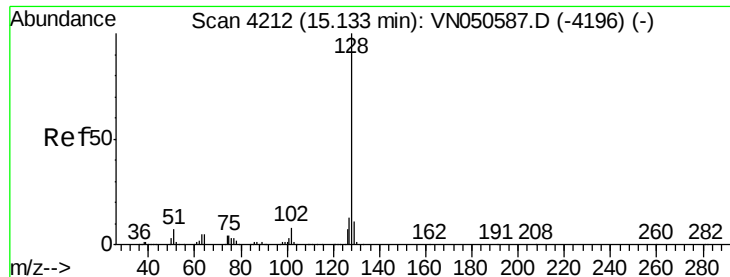
Abundance

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





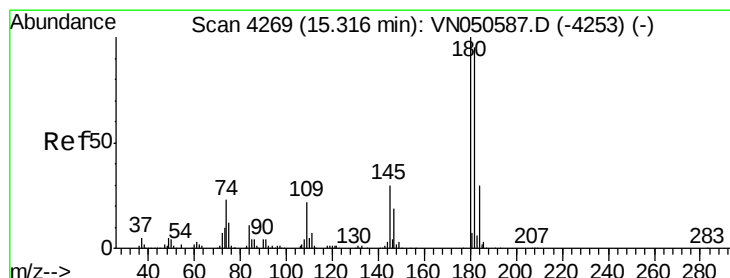
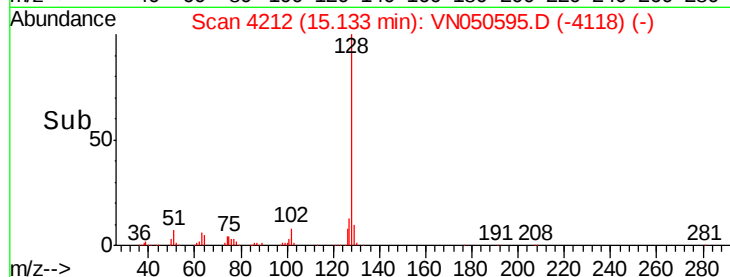
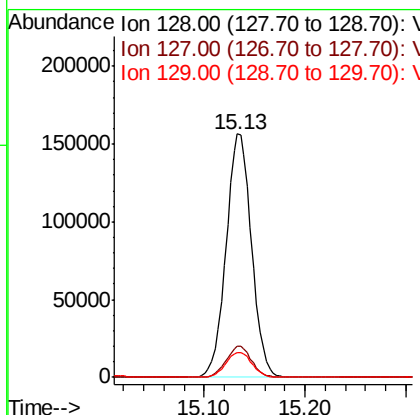
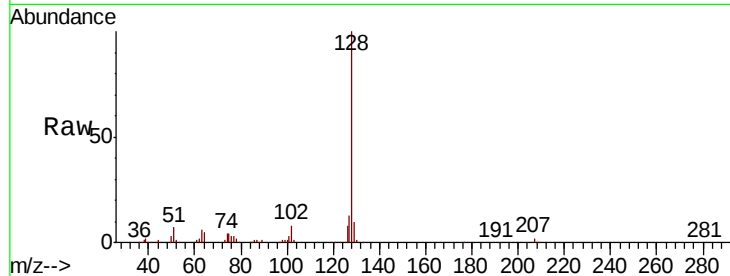
#95
Naphthalene
Concen: 18.31 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	274685		
127	12.8	10.3	15.5	
129	10.5	8.5	12.7	

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#96
1,2,3-Trichlorobenzene
Concen: 19.03 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	136902		
182	95.8	47.3	141.8	
145	29.9	14.6	44.0	

