

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050454.D
 Acq On : 8 Aug 2018 13:11
 Operator : MD\SY
 Sample : VN0808WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

Quant Time: Aug 08 14:38:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	773470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1152137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1029460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	515169	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	479574	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	
35) Dibromofluoromethane	7.59	113	441421	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
50) Toluene-d8	10.09	98	1637263	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
62) 4-Bromofluorobenzene	12.40	95	542858	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	160544	18.70	ug/l	98
3) Chloromethane	2.06	50	190829	17.87	ug/l	99
4) Vinyl Chloride	2.18	62	207876	18.70	ug/l	97
5) Bromomethane	2.56	94	114863	21.41	ug/l	100
6) Chloroethane	2.70	64	129700	18.94	ug/l	97
7) Trichlorofluoromethane	3.01	101	280014	19.51	ug/l	99
8) Diethyl Ether	3.41	74	102239	19.42	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	169313	19.09	ug/l	97
10) Methyl Iodide	3.95	142	75937	19.43	ug/l	98
11) Tert butyl alcohol	4.79	59	67486	81.29	ug/l	100
12) 1,1-Dichloroethene	3.74	96	158733	18.98	ug/l	96
13) Acrolein	3.61	56	69379	75.40	ug/l	95
14) Allyl chloride	4.32	41	247368	18.42	ug/l	98
15) Acrylonitrile	4.99	53	290208	83.45	ug/l	100
16) Acetone	3.82	43	260023	84.13	ug/l	99
17) Carbon Disulfide	4.05	76	459341	16.89	ug/l	99
18) Methyl Acetate	4.33	43	141856	17.59	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	460551	19.40	ug/l	99
20) Methylene Chloride	4.55	84	181835	18.31	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	171437	18.95	ug/l	99
22) Diisopropyl ether	5.96	45	534305	19.48	ug/l	99
23) Vinyl Acetate	5.90	43	1810456	92.50	ug/l	100
24) 1,1-Dichloroethane	5.85	63	318009	18.89	ug/l	100
25) 2-Butanone	6.84	43	425473	83.08	ug/l	97
26) 2,2-Dichloropropane	6.83	77	261160	18.82	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	197966	19.74	ug/l	98
28) Bromochloromethane	7.20	49	138868	17.92	ug/l	94
29) Tetrahydrofuran	7.22	42	225816	82.38	ug/l	98
30) Chloroform	7.37	83	325543	19.35	ug/l	100
31) Cyclohexane	7.66	56	280500	18.54	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	279469	19.34	ug/l	98
36) 1,1-Dichloropropene	7.80	75	245216	19.37	ug/l	99
37) Ethyl Acetate	6.94	43	155304	17.04	ug/l	99
38) Carbon Tetrachloride	7.78	117	247503	18.74	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	254590	18.42	ug/l	98
40) Benzene	8.04	78	741967	19.06	ug/l	100
41) Methacrylonitrile	7.18	41	72631	14.98	ug/l	89
42) 1,2-Dichloroethane	8.13	62	230239	18.63	ug/l	99
43) Isopropyl Acetate	8.17	43	275349	17.50	ug/l #	85
44) Trichloroethene	8.84	130	201154	19.24	ug/l	98
45) 1,2-Dichloropropane	9.12	63	191703	18.74	ug/l	99
46) Dibromomethane	9.21	93	114842	18.18	ug/l	95
47) Bromodichloromethane	9.41	83	243533	18.61	ug/l	99
48) Methyl methacrylate	9.20	41	135150	17.13	ug/l	97
49) 1,4-Dioxane	9.20	88	38438	316.15	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	970359	85.62	ug/l	99
52) Toluene	10.16	92	457440	19.57	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	242012	18.42	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	284741	19.42	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	170891	18.72	ug/l	99
56) Ethyl methacrylate	10.43	69	213507	17.68	ug/l	98
57) 1,3-Dichloropropane	10.71	76	279645	18.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	489707	86.33	ug/l	99
59) 2-Hexanone	10.75	43	640206	80.94	ug/l	97
60) Dibromochloromethane	10.90	129	185755	18.47	ug/l	99
61) 1,2-Dibromoethane	11.01	107	167612	18.63	ug/l	99
64) Tetrachloroethene	10.63	164	197334	20.51	ug/l	97
65) Chlorobenzene	11.44	112	496257	19.23	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	183936	19.58	ug/l	99
67) Ethyl Benzene	11.51	91	832801	19.96	ug/l	100
68) m/p-Xylenes	11.62	106	647552	40.77	ug/l	99
69) o-Xylene	11.95	106	313495	20.49	ug/l	98
70) Styrene	11.97	104	495590	19.92	ug/l	100
71) Bromoform	12.13	173	127289	18.54	ug/l #	99
73) Isopropylbenzene	12.25	105	821633	21.25	ug/l	100
74) N-amyl acetate	12.07	43	223932	17.86	ug/l	98
75) 1,1,1,2-Tetrachloroethane	12.51	83	202104	18.11	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	243754	26.14	ug/l #	100
77) Bromobenzene	12.53	156	211655	20.43	ug/l	98
78) n-propylbenzene	12.59	91	897007	20.49	ug/l	99
79) 2-Chlorotoluene	12.68	91	559759	20.71	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	661909	21.09	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	49397	18.61	ug/l	99
82) 4-Chlorotoluene	12.77	91	545854	20.25	ug/l	98
83) tert-Butylbenzene	12.99	119	574669	20.98	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	668914	21.03	ug/l	99
85) sec-Butylbenzene	13.17	105	726741	19.91	ug/l	99
86) p-Isopropyltoluene	13.29	119	636696	20.35	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	360243	19.52	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	351056	19.05	ug/l	98
89) n-Butylbenzene	13.62	91	492861	18.51	ug/l	99
90) Hexachloroethane	13.88	117	99002	17.80	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	355045	19.20	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31761	16.77	ug/l	97

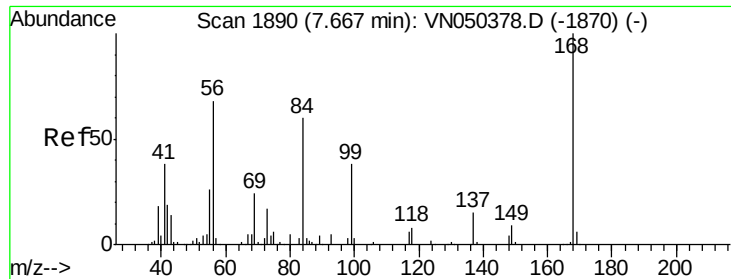
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	174327	18.50	ug/l	99
94) Hexachlorobutadiene	15.01	225	104037	19.20	ug/l	99
95) Naphthalene	15.14	128	400576	18.52	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	173672	18.23	ug/l	97

(#) = 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: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

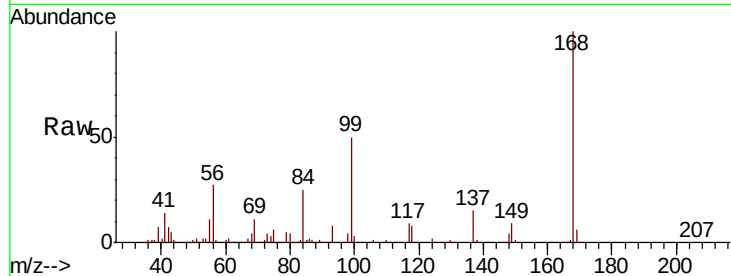
VN0808WBS01

Tot Ion:168 Resp: 773470

Ion Ratio Lower Upper

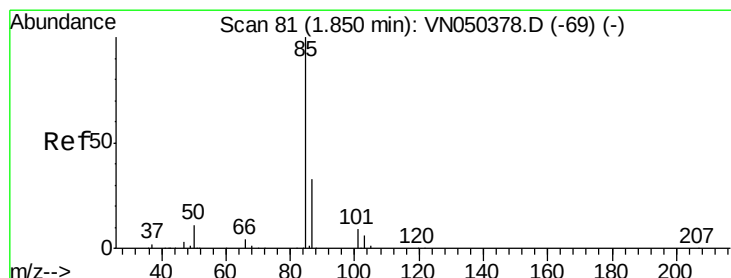
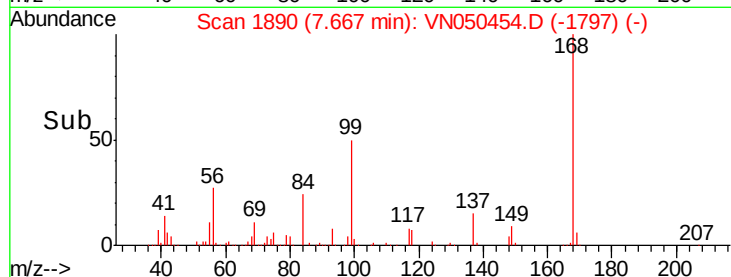
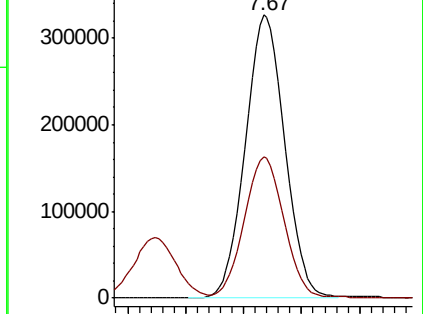
168 100

99 49.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.70 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050454.D

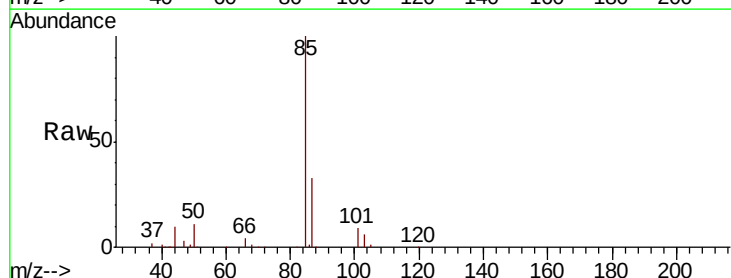
Acq: 8 Aug 2018 13:11

Tgt Ion: 85 Resp: 160544

Ion Ratio Lower Upper

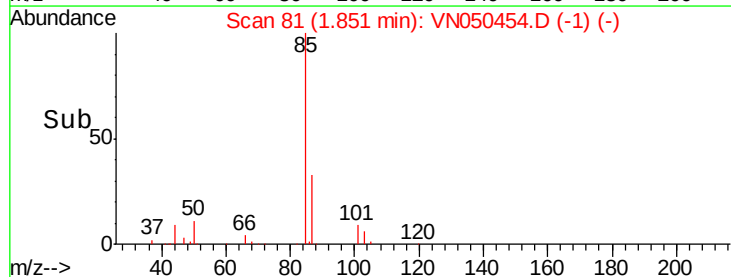
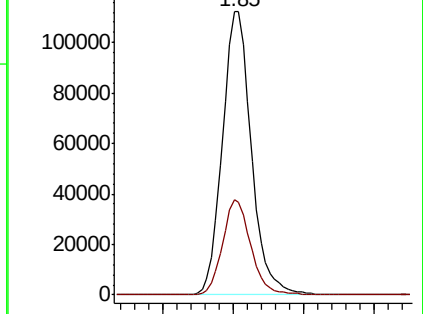
85 100

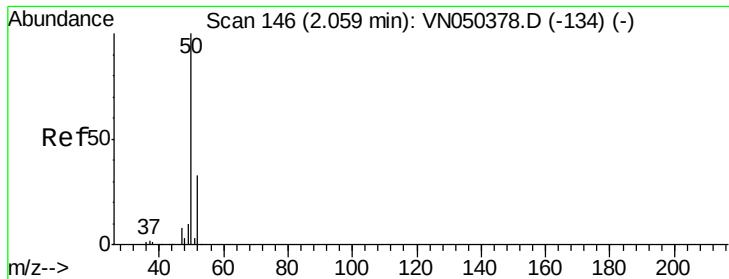
87 33.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.87 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

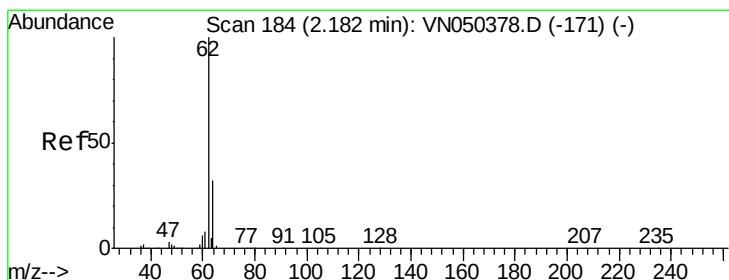
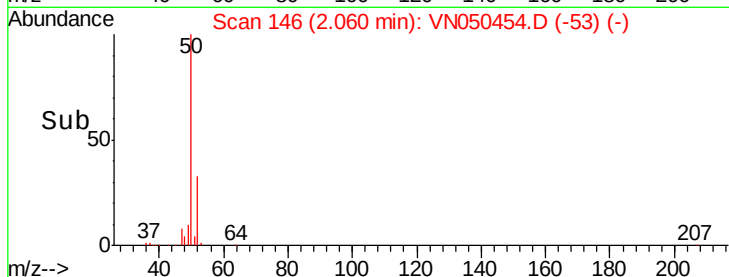
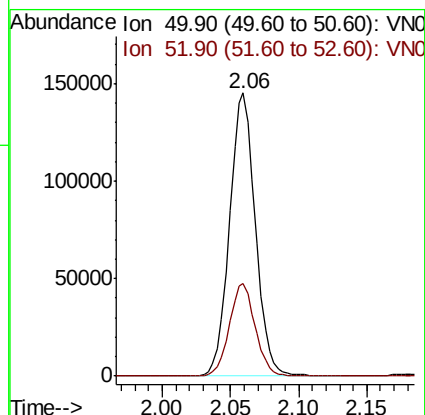
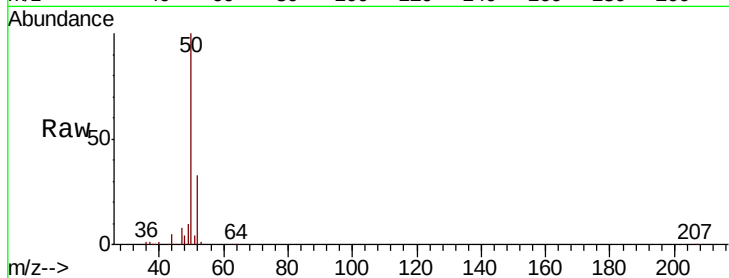
VN0808WBS01

Tot Ion: 50 Resp: 190829

Ion Ratio Lower Upper

50 100

52 32.9 25.9 38.9



#4

Vinyl Chloride

Concen: 18.70 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050454.D

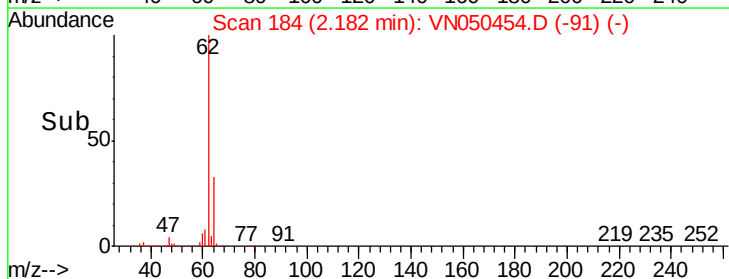
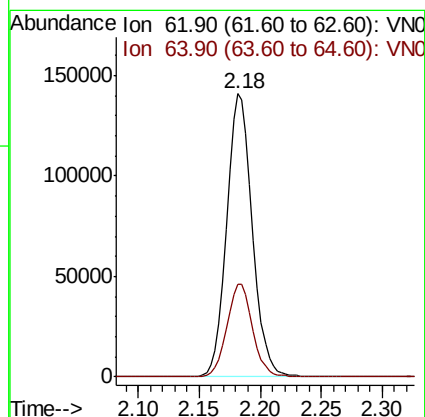
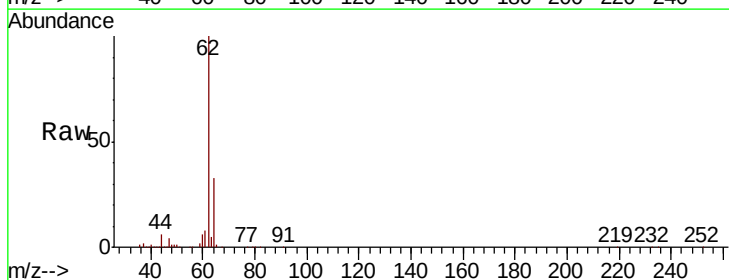
Acq: 8 Aug 2018 13:11

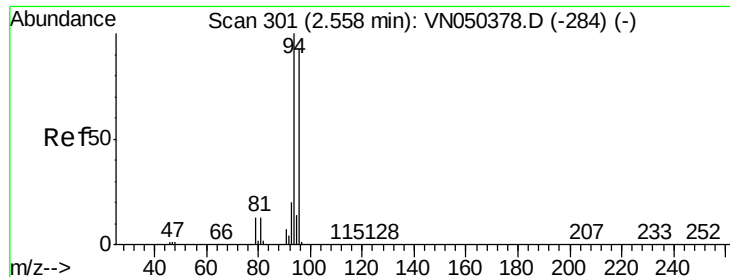
Tgt Ion: 62 Resp: 207876

Ion Ratio Lower Upper

62 100

64 32.7 24.7 37.1





#5

Bromomethane

Concen: 21.41 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

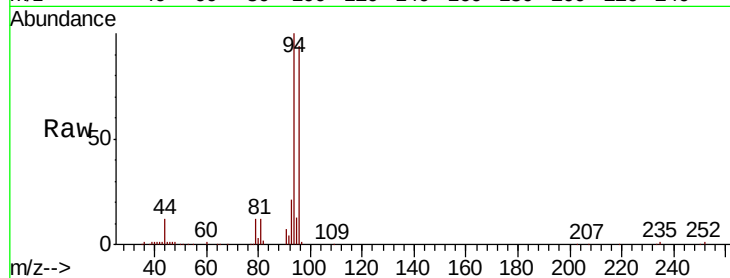
VN0808WBS01

Tot Ion: 94 Resp: 114863

Ion Ratio Lower Upper

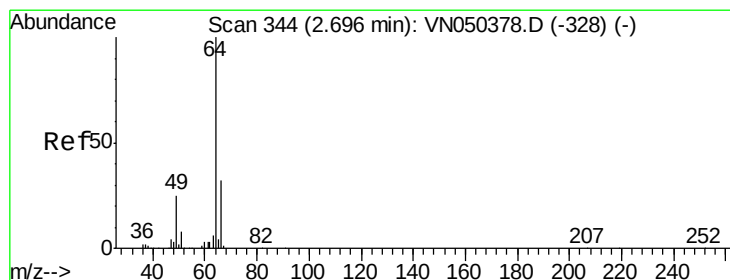
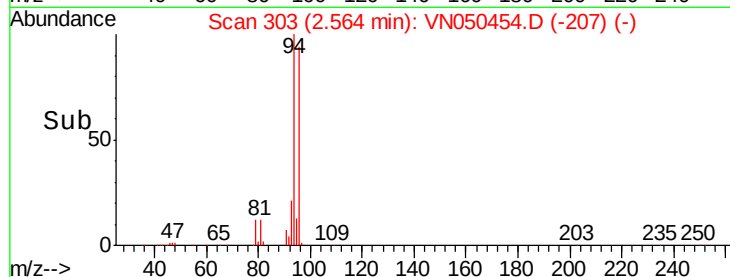
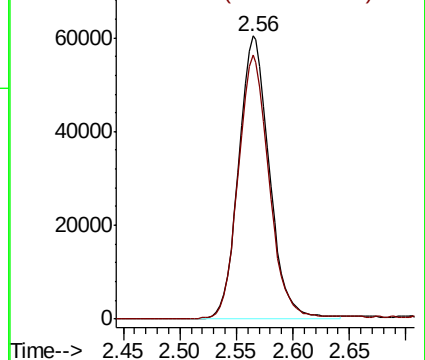
94 100

96 93.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.94 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VN050454.D

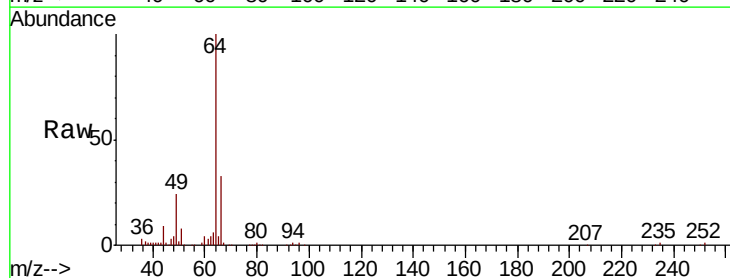
Acq: 8 Aug 2018 13:11

Tgt Ion: 64 Resp: 129700

Ion Ratio Lower Upper

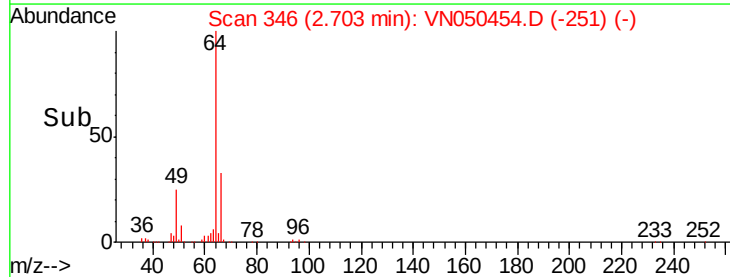
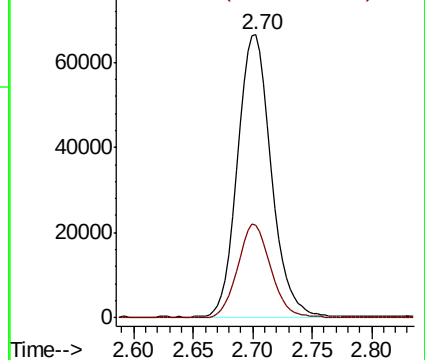
64 100

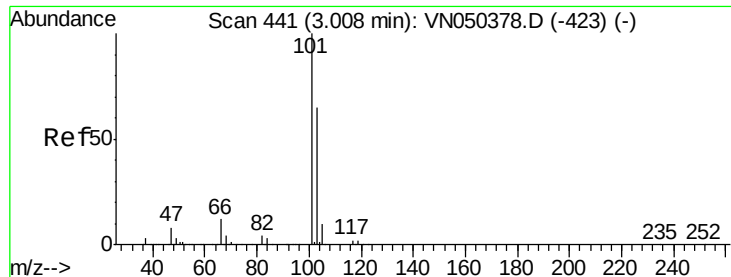
66 33.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.51 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

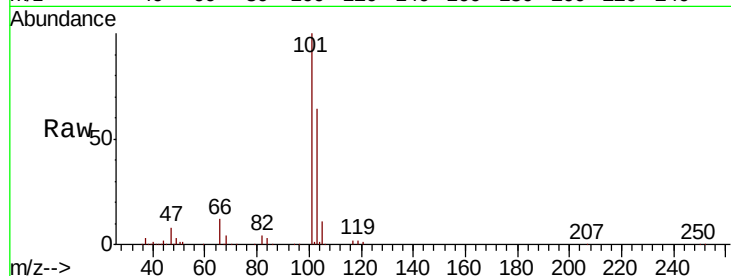
VN0808WBS01

Tot Ion:101 Resp: 280014

Ion Ratio Lower Upper

101 100

103 63.7 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

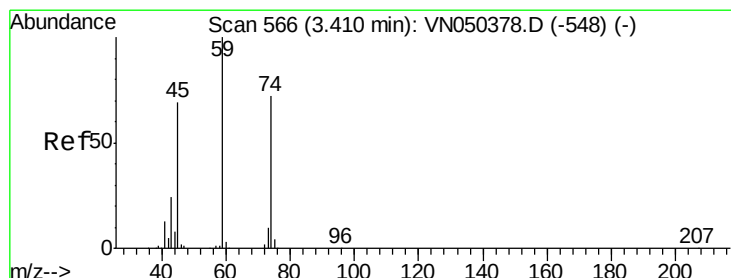
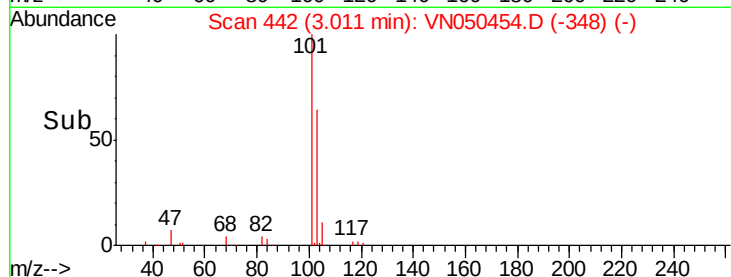
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 19.42 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050454.D

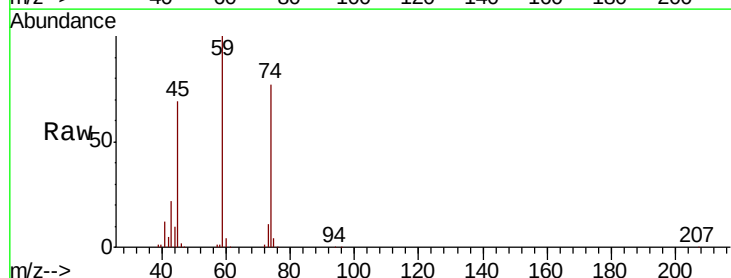
Acq: 8 Aug 2018 13:11

Tgt Ion: 74 Resp: 102239

Ion Ratio Lower Upper

74 100

45 91.6 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

50000

40000

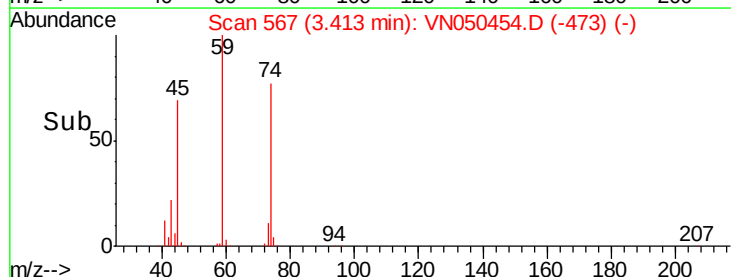
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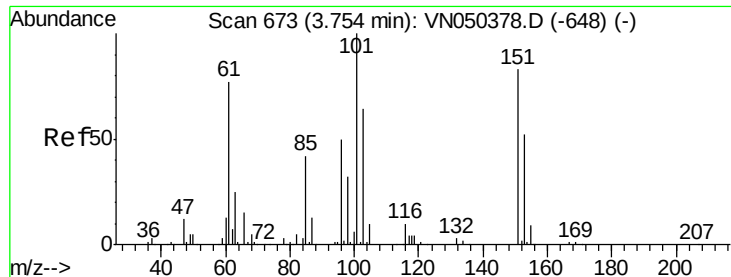
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.09 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBS01

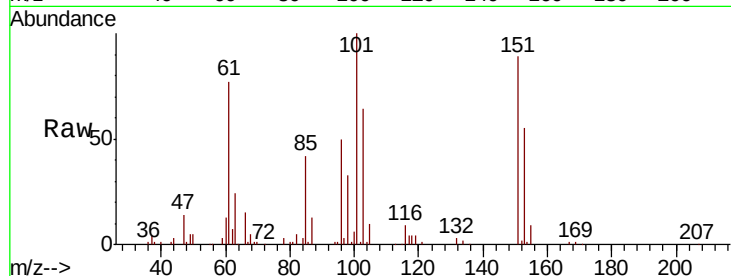
Tot Ion:101 Resp: 169313

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.2

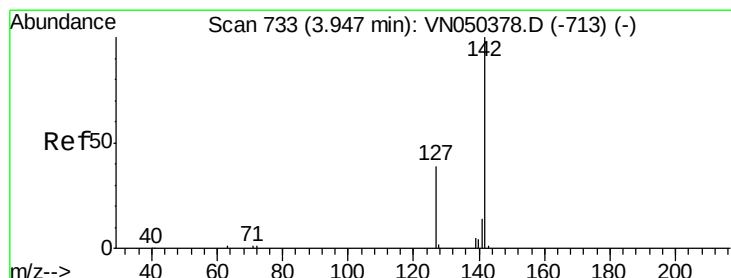
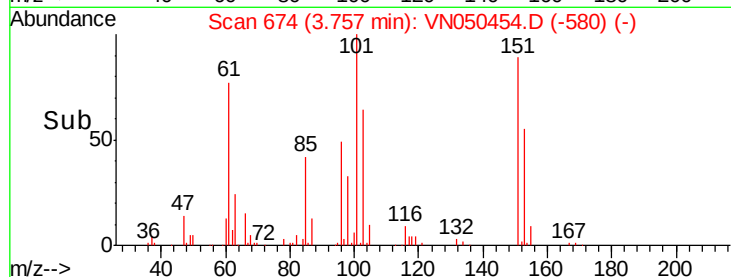
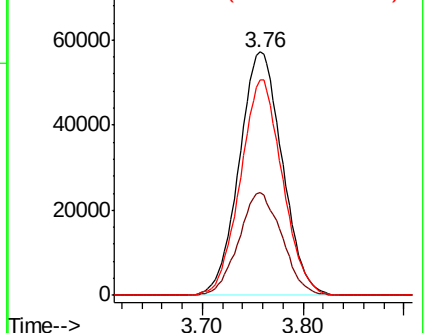
151 86.4 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.43 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

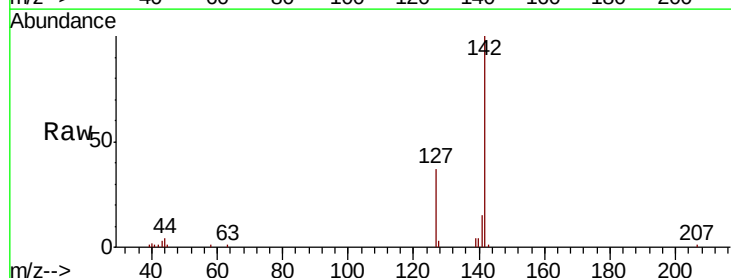
Tgt Ion:142 Resp: 75937

Ion Ratio Lower Upper

142 100

127 40.4 33.4 50.2

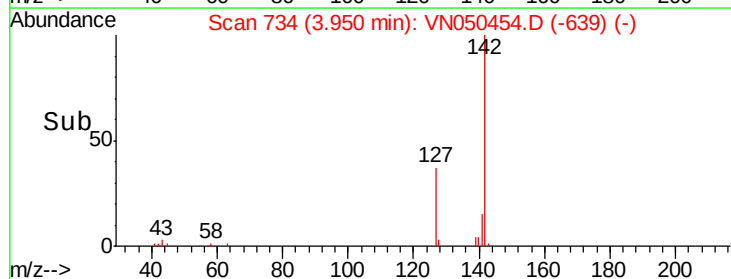
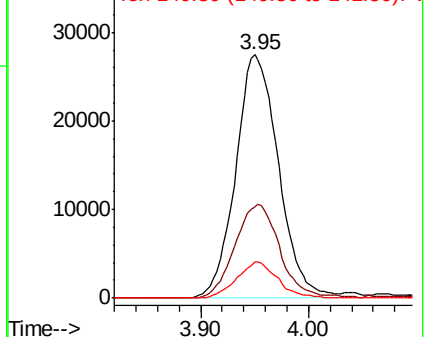
141 14.1 11.6 17.4

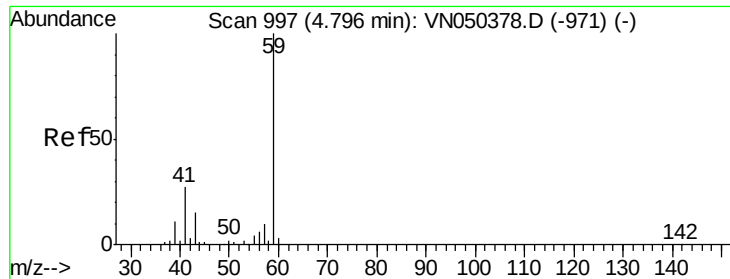


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

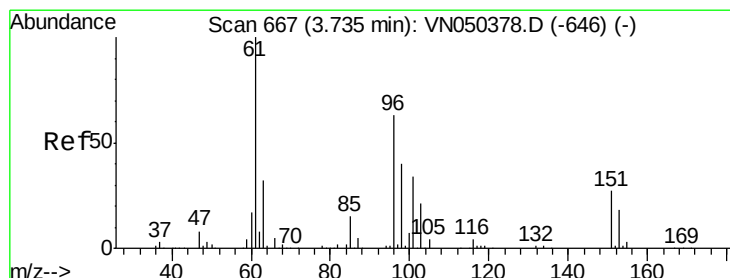
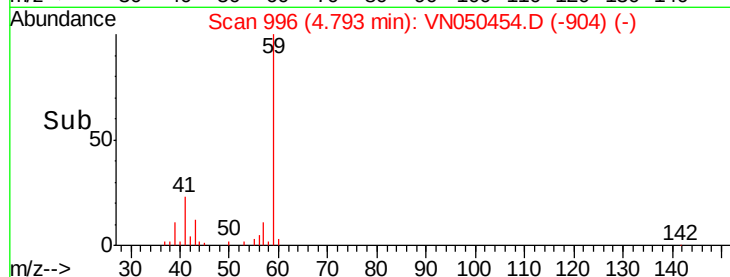
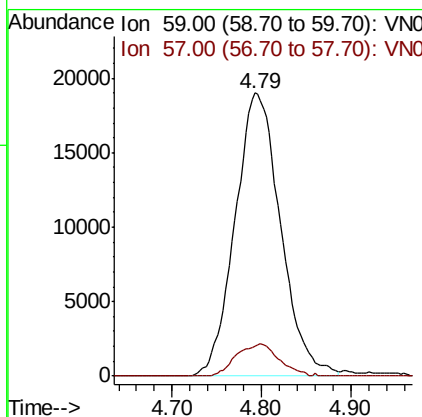
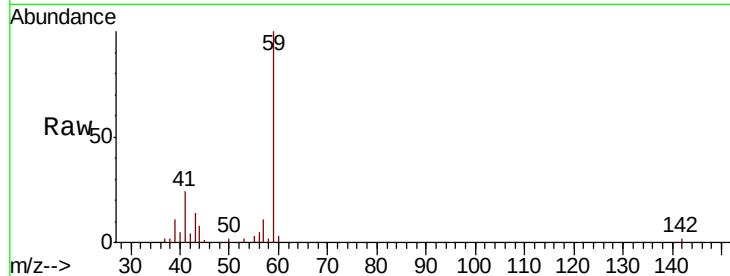




#11
Tert butyl alcohol
Concen: 81.29 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

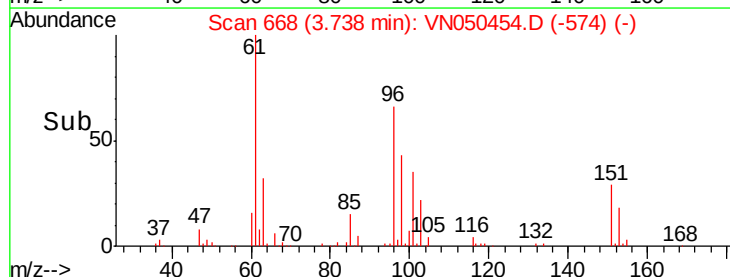
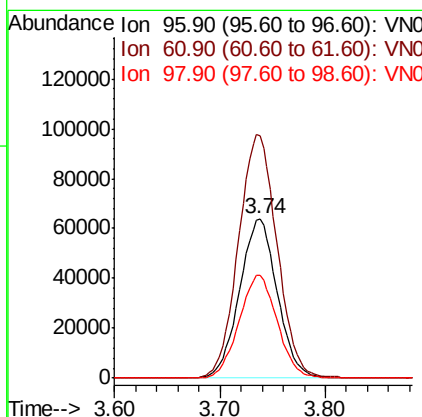
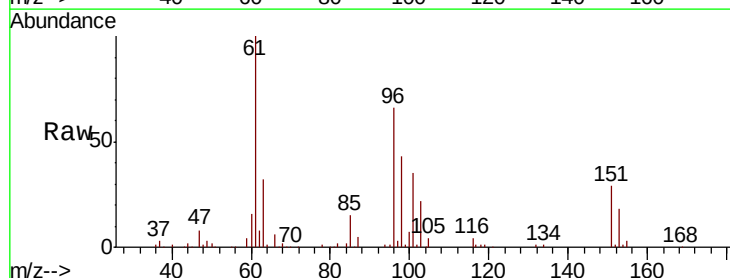
Instrument :
MSVOA_N
ClientSampled :
VN0808WBS01

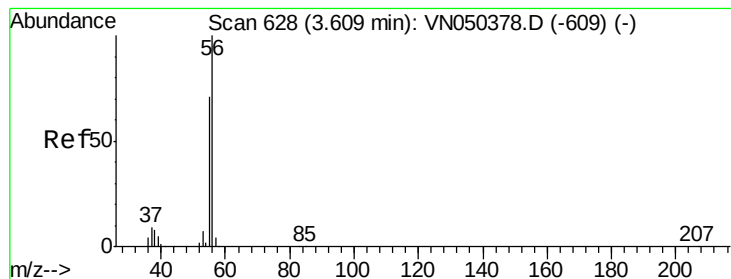
Tot Ion: 59 Resp: 67486
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7



#12
1,1-Dichloroethene
Concen: 18.98 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion: 96 Resp: 158733
Ion Ratio Lower Upper
96 100
61 151.5 124.4 186.6
98 64.4 48.3 72.5





#13

Acrolein

Concen: 75.40 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

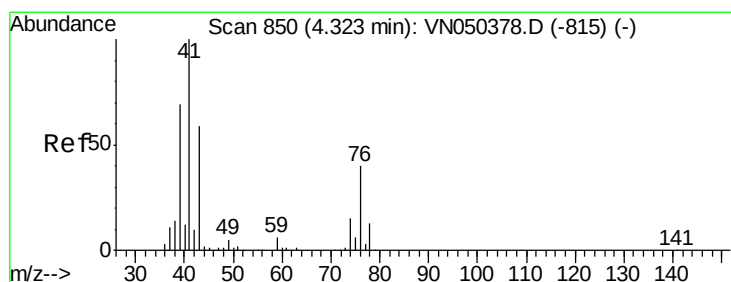
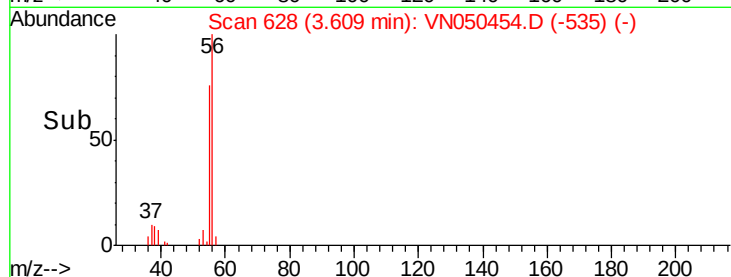
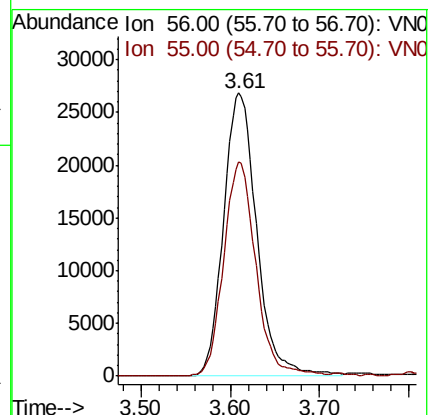
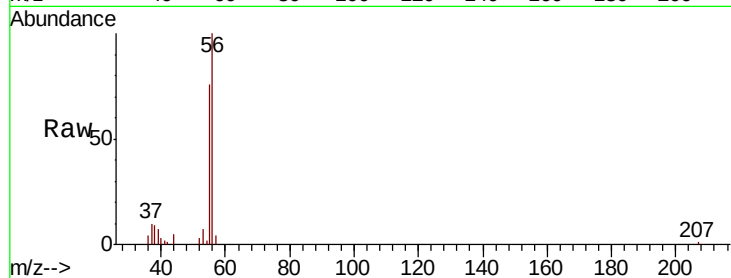
VN0808WBS01

Tot Ion: 56 Resp: 69379

Ion Ratio Lower Upper

56 100

55 73.4 55.8 83.6



#14

Allyl chloride

Concen: 18.42 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

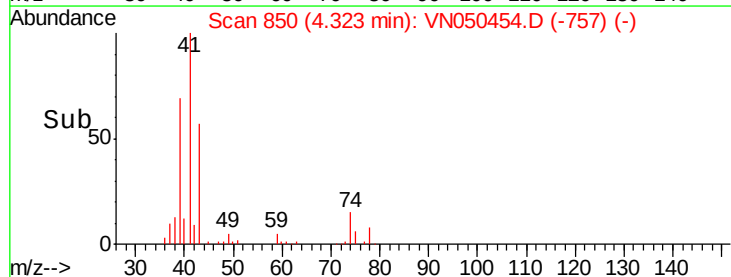
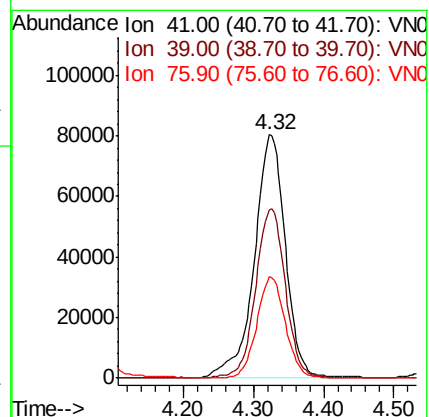
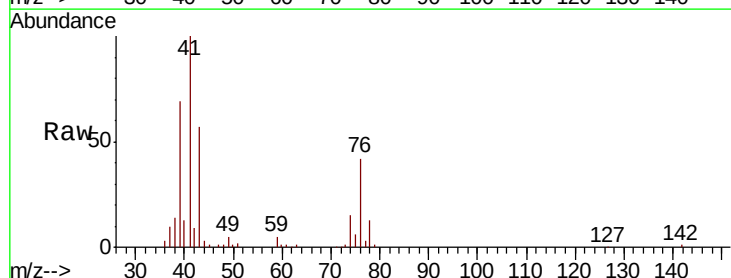
Tgt Ion: 41 Resp: 247368

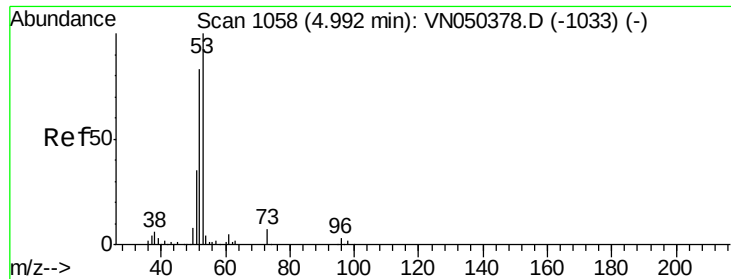
Ion Ratio Lower Upper

41 100

39 66.6 54.2 81.4

76 37.4 29.0 43.6





#15

Acrylonitrile

Concen: 83.45 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0808WBS01

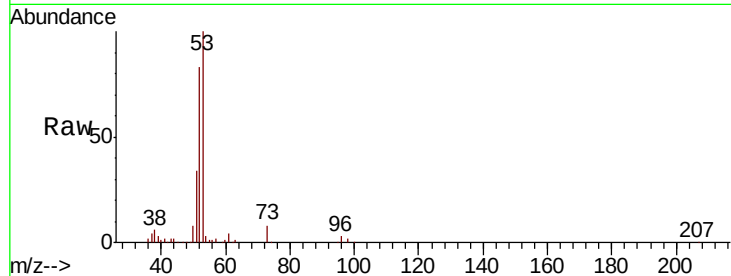
Tot Ion: 53 Resp: 290208

Ion Ratio Lower Upper

53 100

52 82.8 66.2 99.2

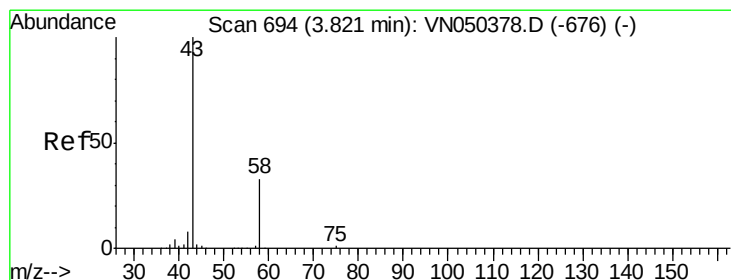
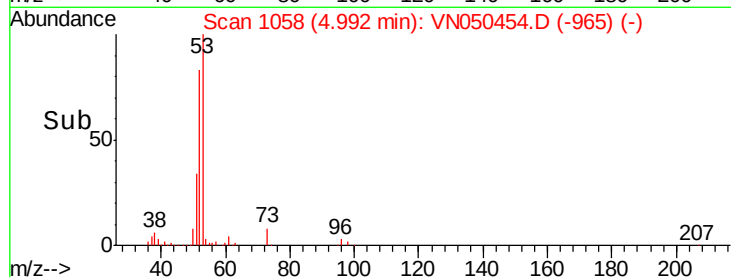
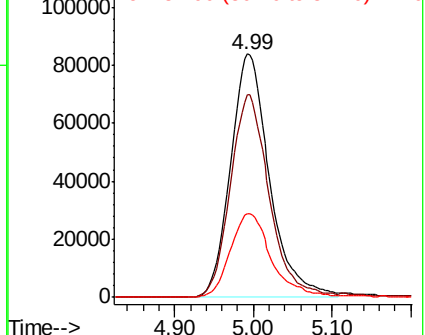
51 36.3 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 84.13 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050454.D

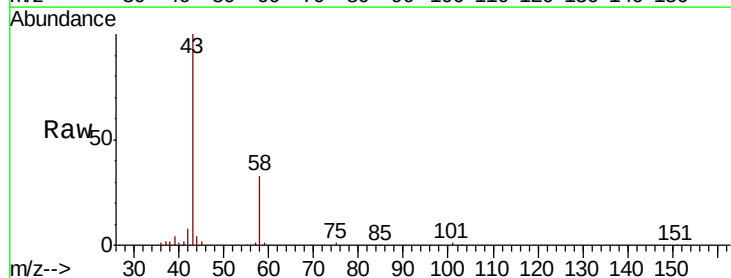
Acq: 8 Aug 2018 13:11

Tgt Ion: 43 Resp: 260023

Ion Ratio Lower Upper

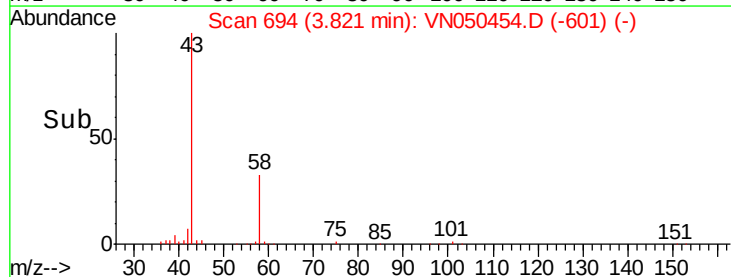
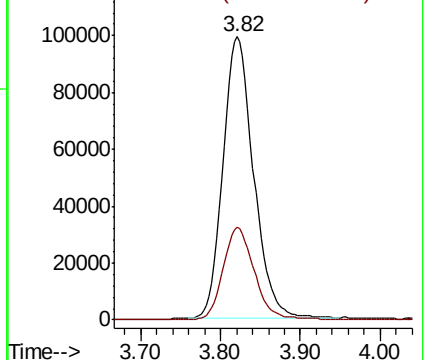
43 100

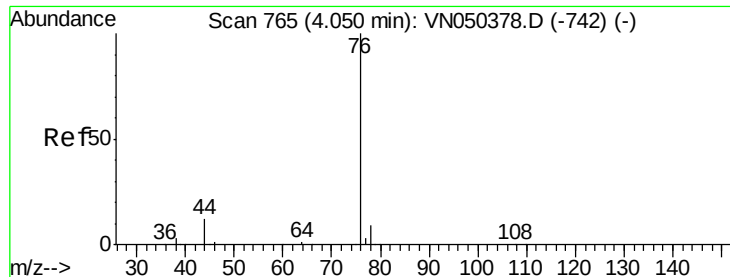
58 32.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

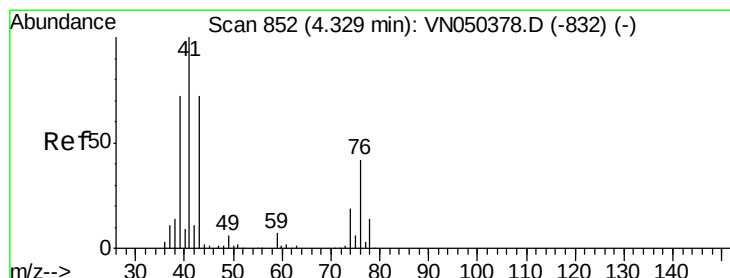
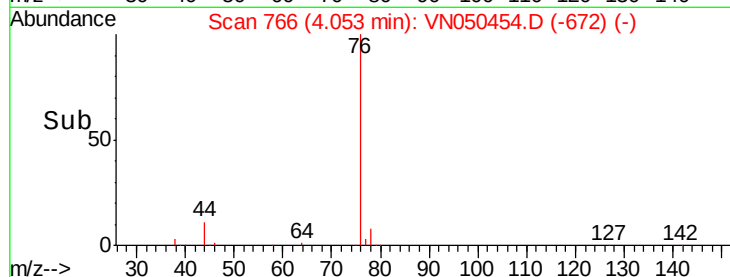
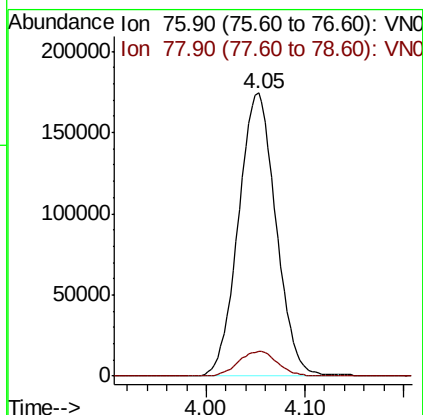
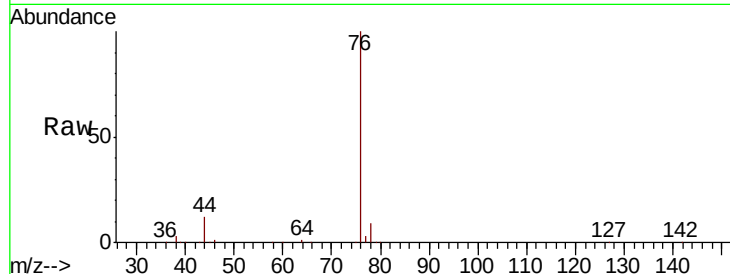




#17
Carbon Disulfide
Concen: 16.89 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

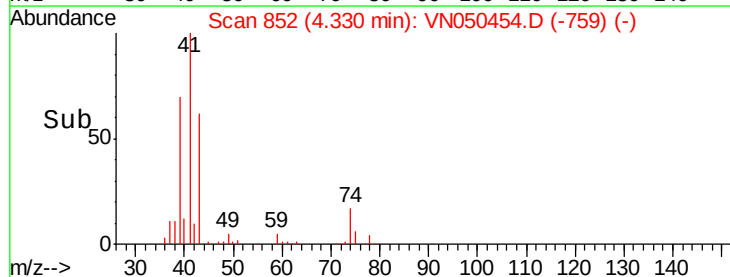
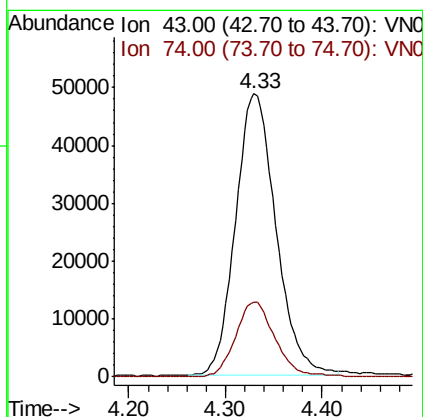
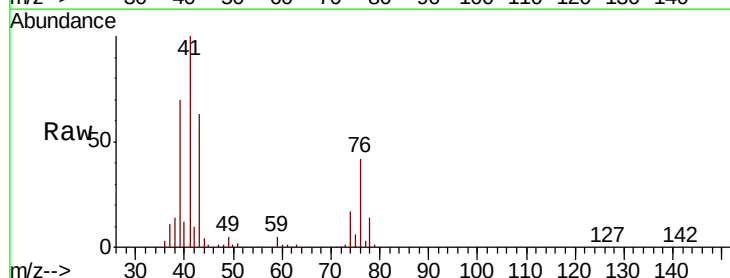
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

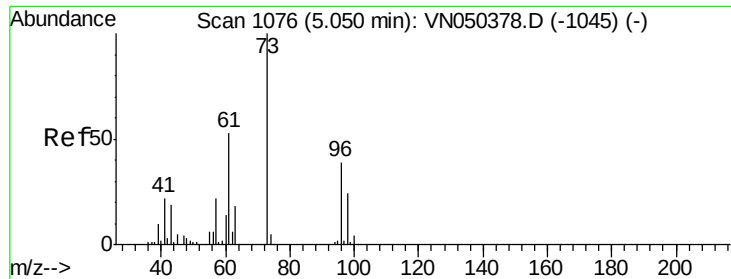
Tot Ion: 76 Resp: 459341
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#18
Methyl Acetate
Concen: 17.59 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion: 43 Resp: 141856
Ion Ratio Lower Upper
43 100
74 26.0 19.2 28.8

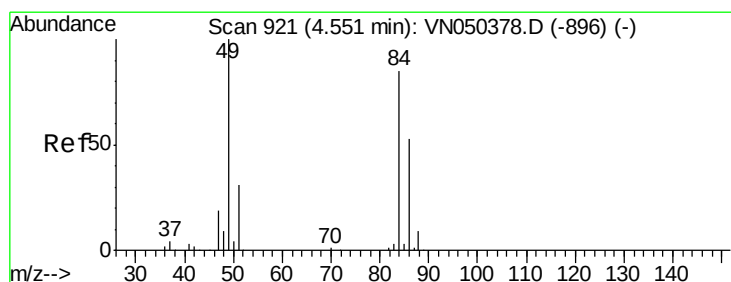
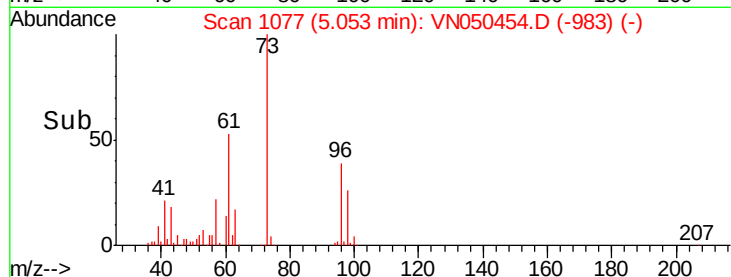
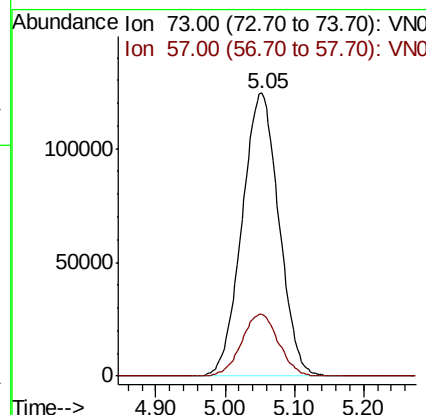
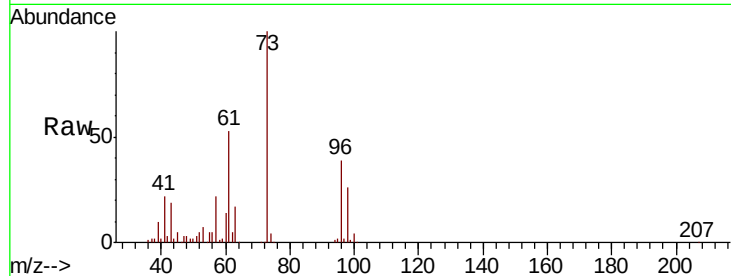




#19
Methvl tert-butvl Ether
Concen: 19.40 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

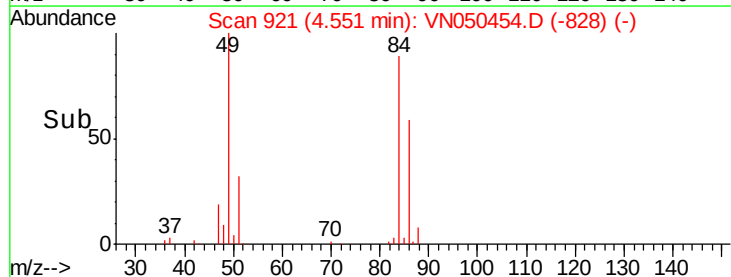
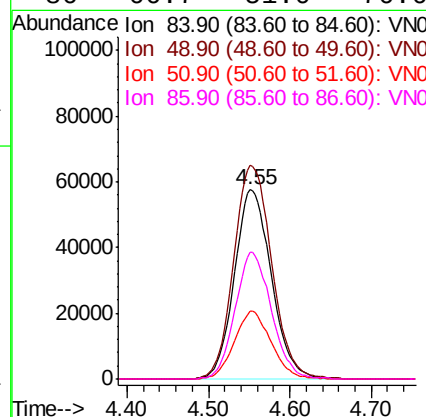
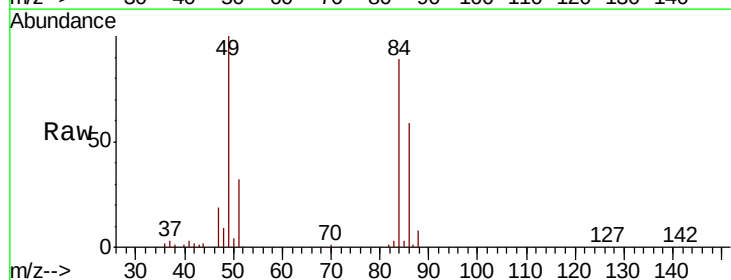
Instrument :
MSVOA_N
ClientSampled :
VN0808WBS01

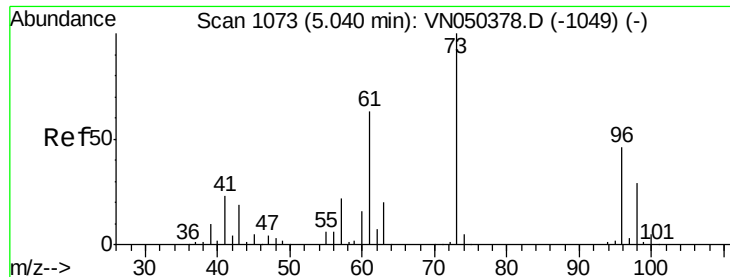
Tot Ion: 73 Resp: 460551
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0



#20
Methylene Chloride
Concen: 18.31 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion: 84 Resp: 181835
Ion Ratio Lower Upper
84 100
49 112.9 94.8 142.2
51 35.7 28.3 42.5
86 66.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.95 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBS01

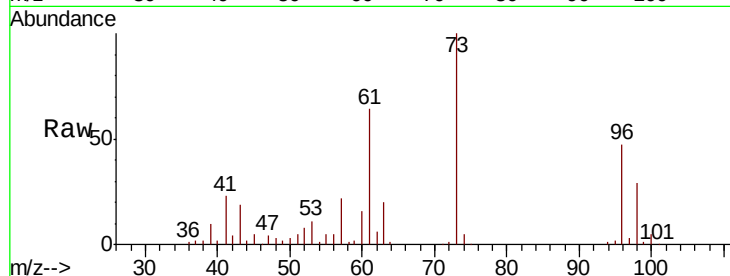
Tot Ion: 96 Resp: 171437

Ion Ratio Lower Upper

96 100

61 137.9 110.7 166.1

98 63.2 51.6 77.4

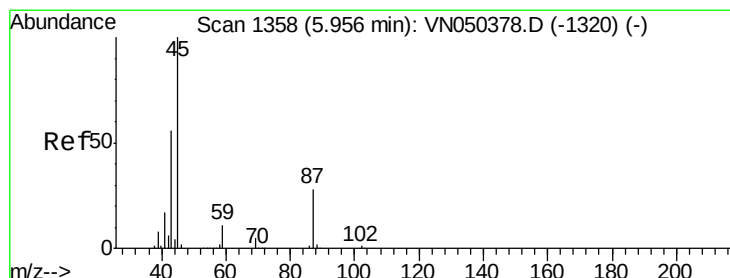
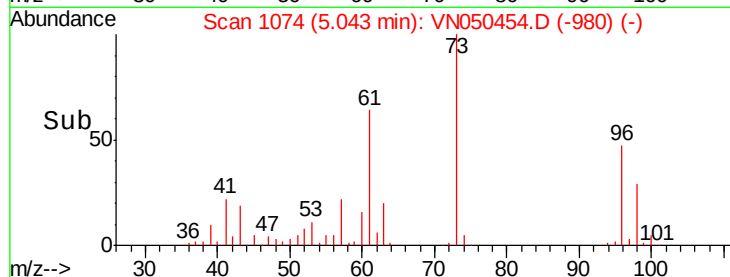
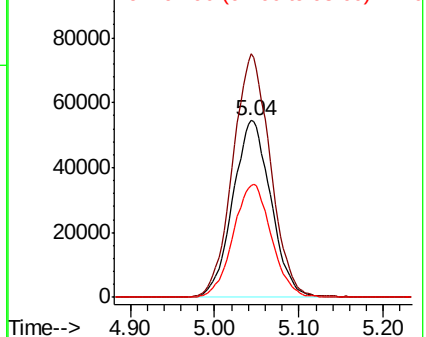


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.48 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Tgt Ion: 45 Resp: 534305

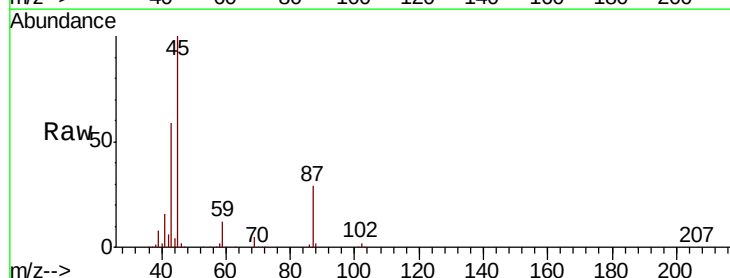
Ion Ratio Lower Upper

45 100

43 58.1 45.7 68.5

87 29.4 22.7 34.1

59 11.8 9.5 14.3



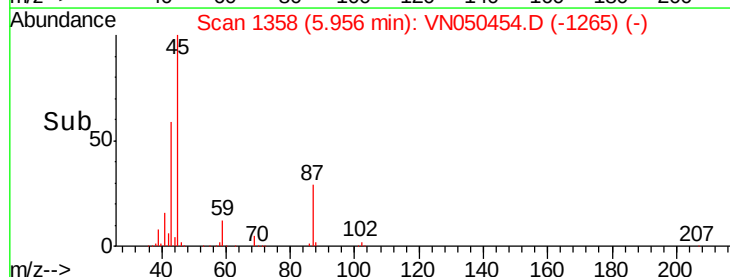
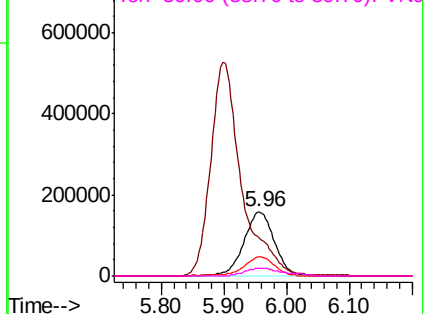
Abundance

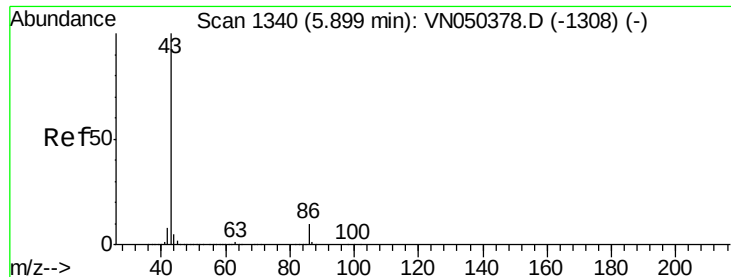
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 92.50 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

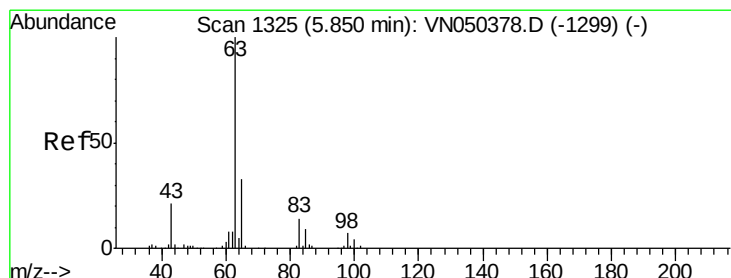
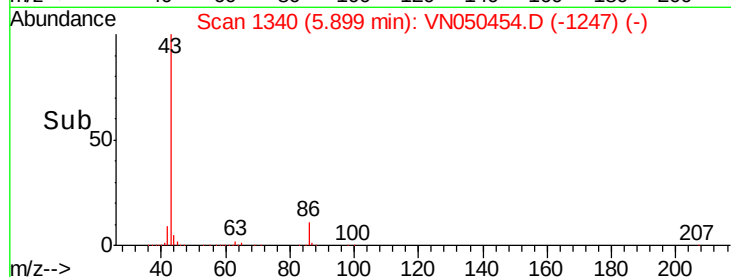
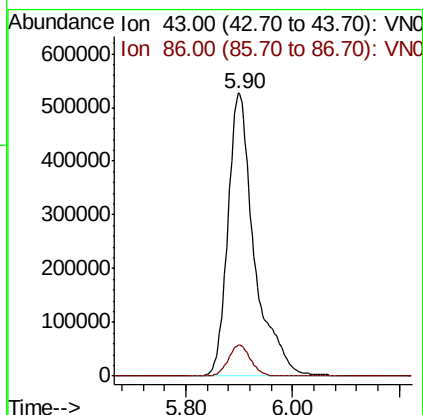
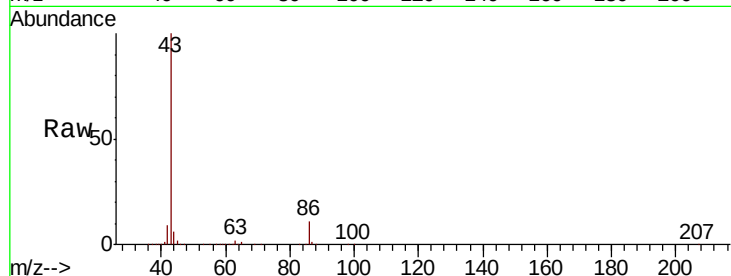
VN0808WBS01

Tot Ion: 43 Resp: 1810456

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



#24

1,1-Dichloroethane

Concen: 18.89 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

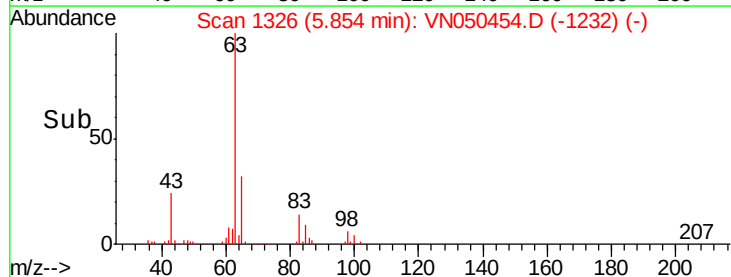
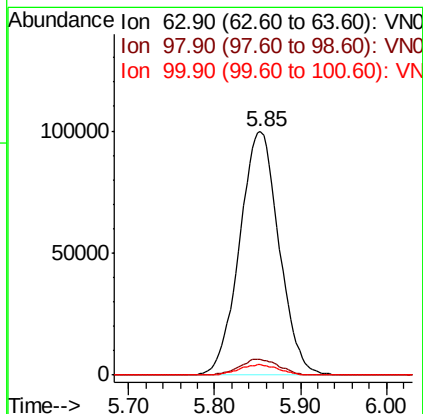
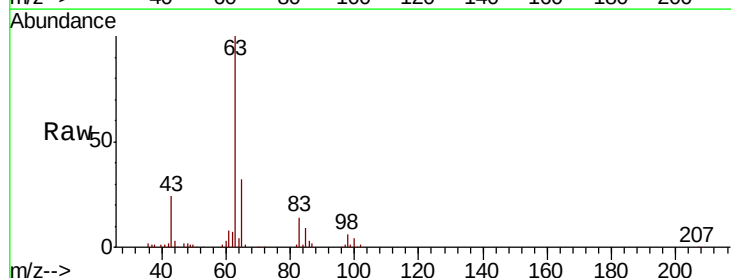
Tgt Ion: 63 Resp: 318009

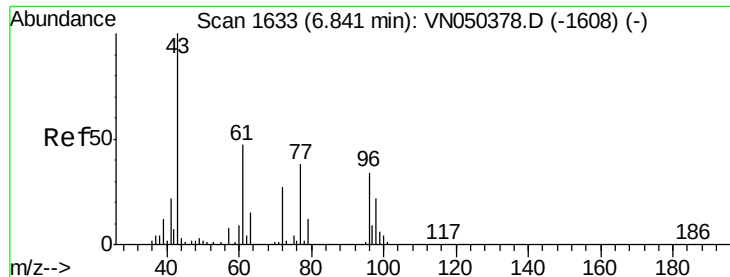
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 83.08 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

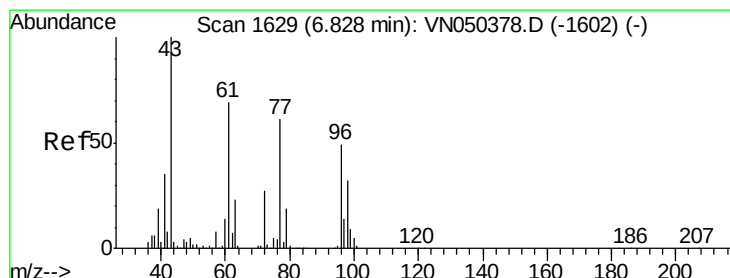
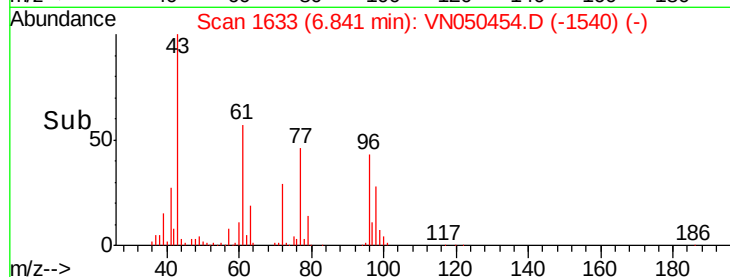
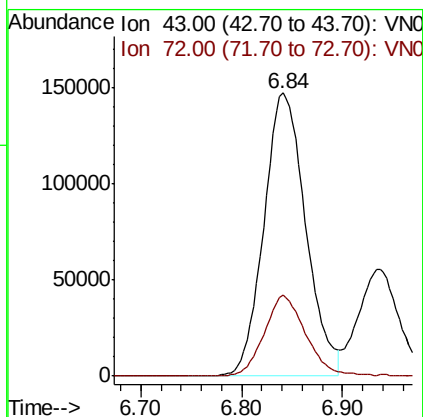
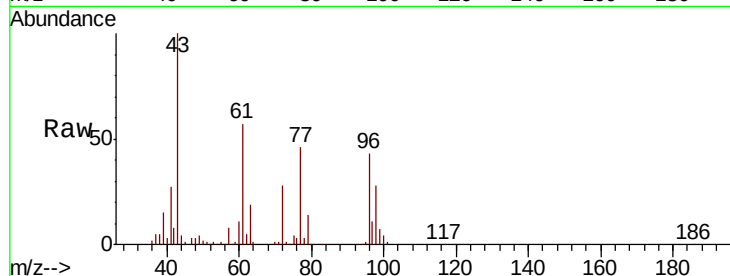
VN0808WBS01

Tot Ion: 43 Resp: 425473

Ion Ratio Lower Upper

43 100

72 28.5 21.5 32.3



#26

2,2-Dichloropropane

Concen: 18.82 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050454.D

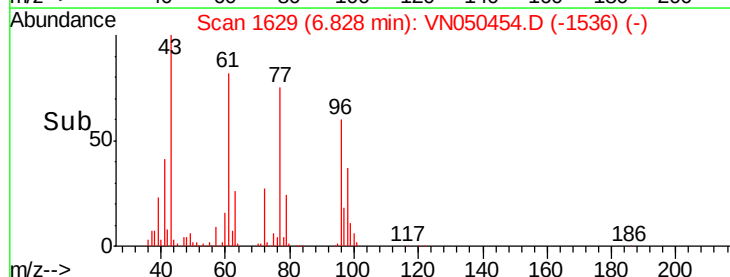
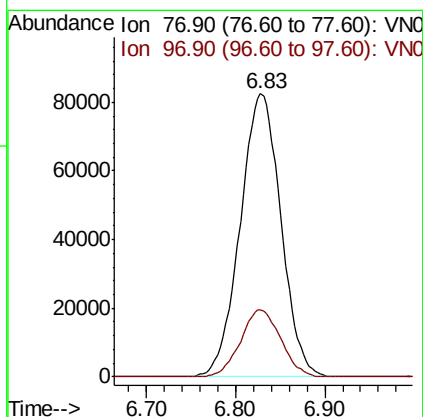
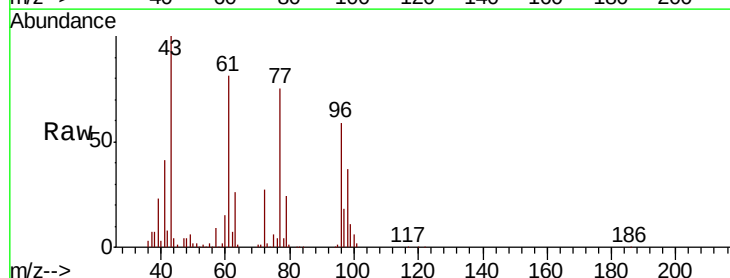
Acq: 8 Aug 2018 13:11

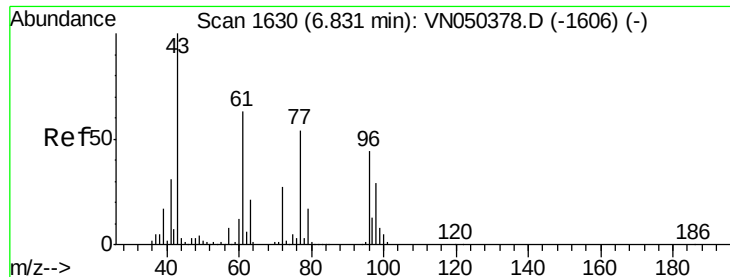
Tgt Ion: 77 Resp: 261160

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.74 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBS01

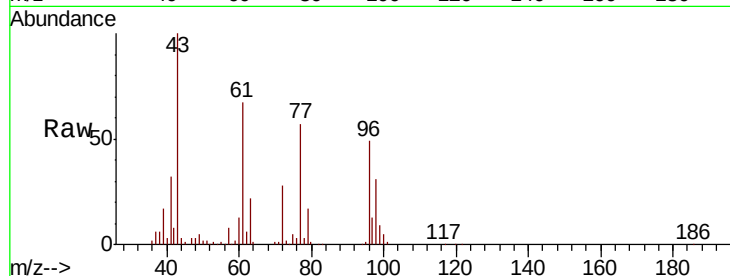
Tot Ion: 96 Resp: 197966

Ion Ratio Lower Upper

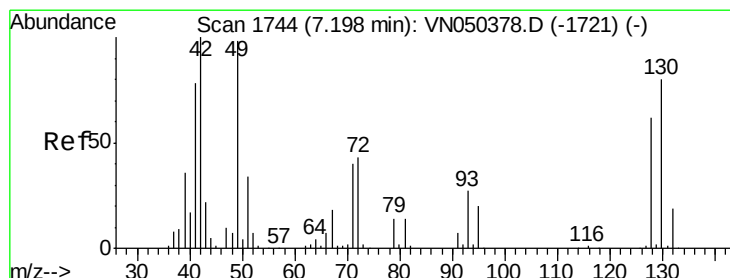
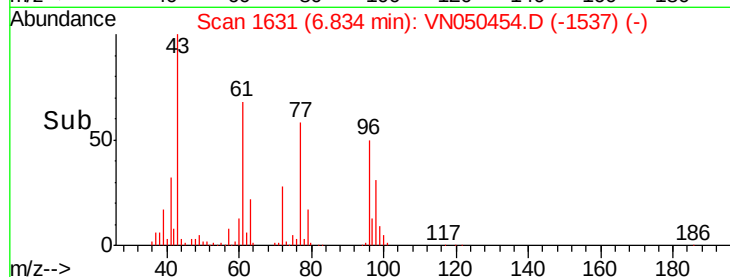
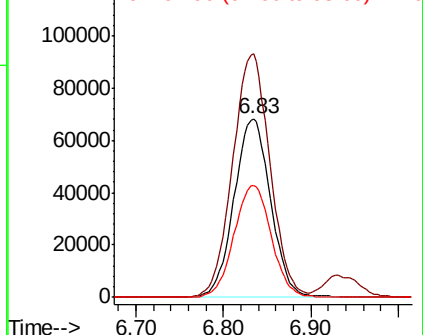
96 100

61 139.5 0.0 285.0

98 63.9 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 17.92 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

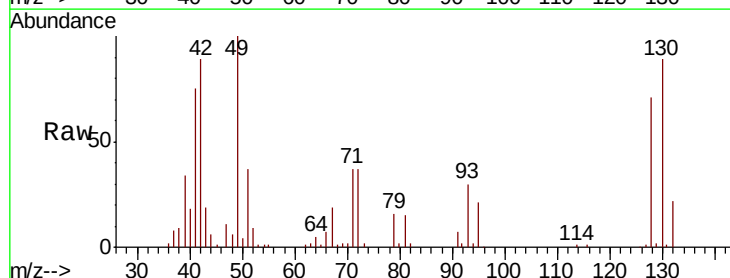
Tgt Ion: 49 Resp: 138868

Ion Ratio Lower Upper

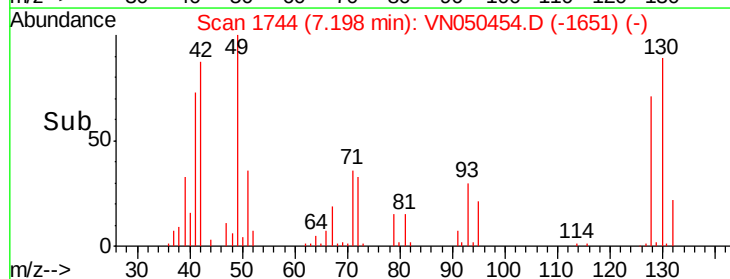
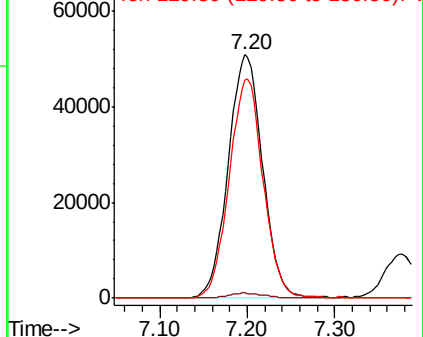
49 100

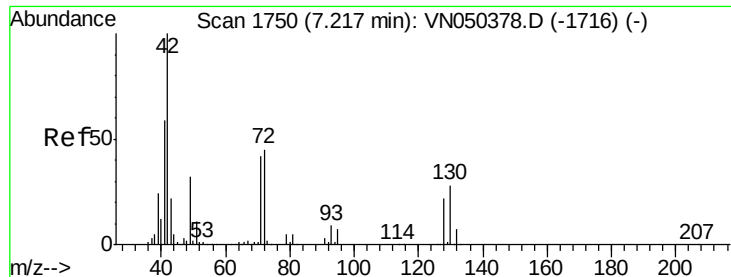
129 2.0 0.0 4.0

130 88.7 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 82.38 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0808WBS01

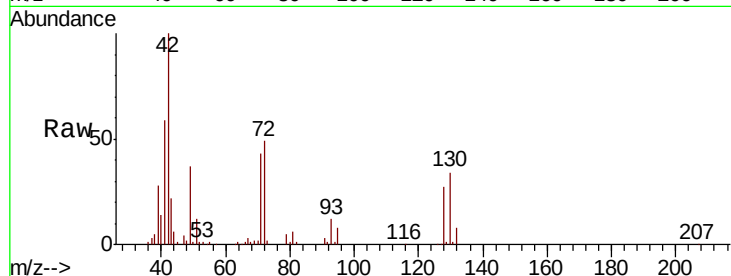
Tot Ion: 42 Resp: 225816

Ion Ratio Lower Upper

42 100

72 46.7 35.9 53.9

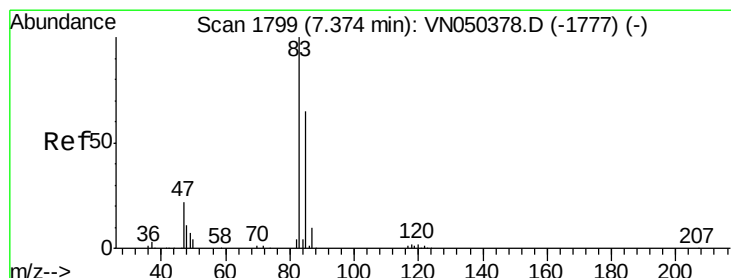
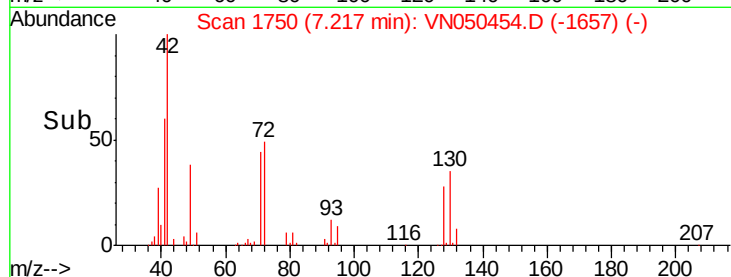
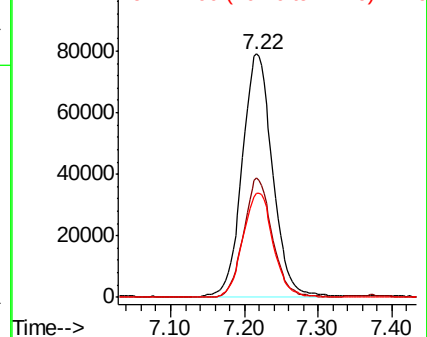
71 42.9 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.35 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050454.D

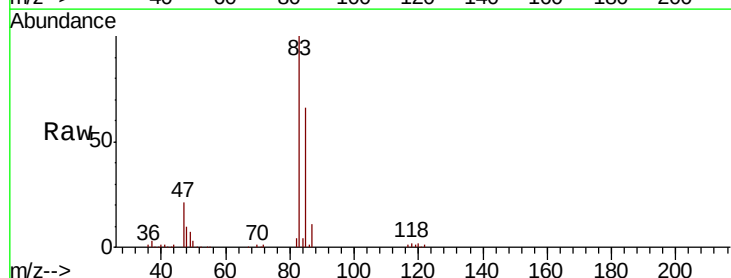
Acq: 8 Aug 2018 13:11

Tgt Ion: 83 Resp: 325543

Ion Ratio Lower Upper

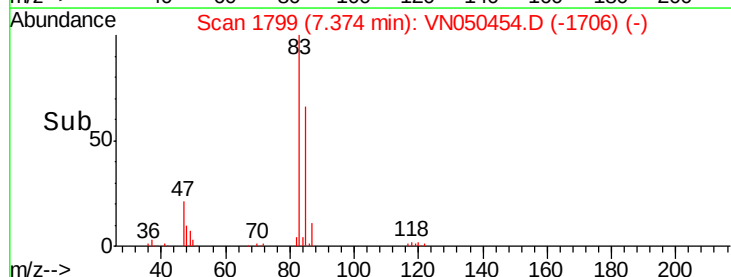
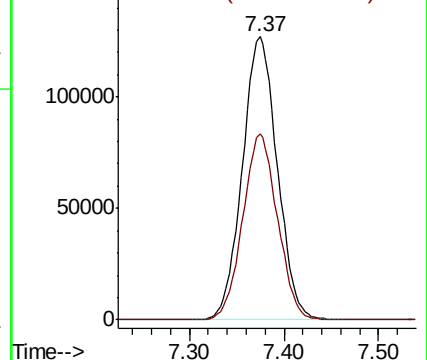
83 100

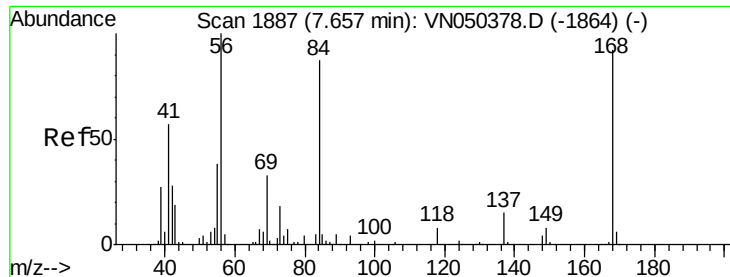
85 66.0 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.54 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0808WBS01

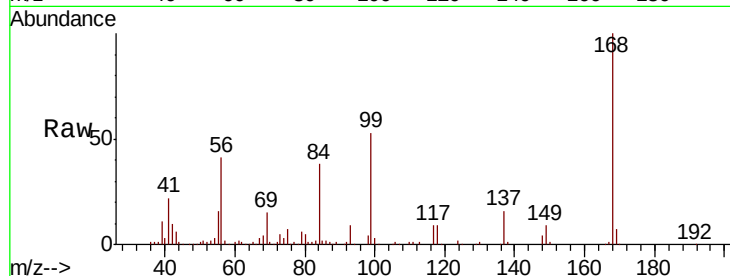
Tot Ion: 56 Resp: 280500

Ion Ratio Lower Upper

56 100

69 37.3 26.2 39.4

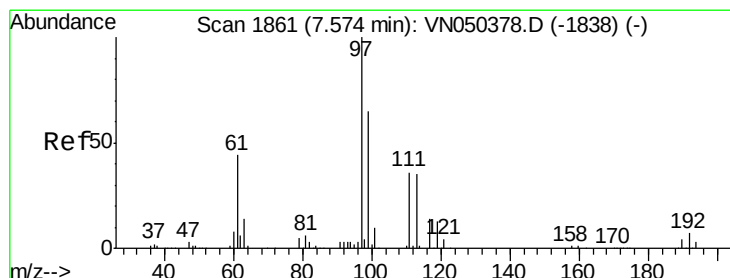
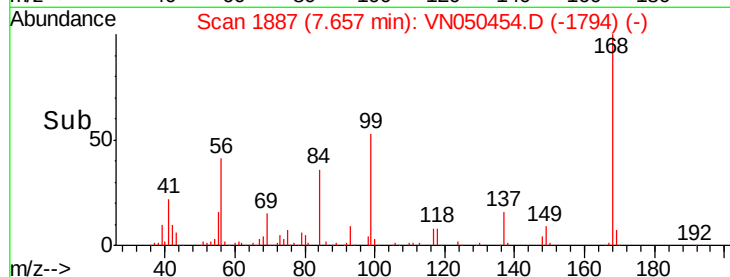
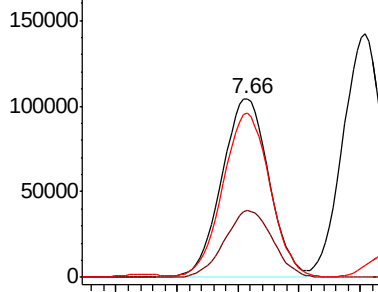
84 90.8 67.4 101.0



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: 19.34 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

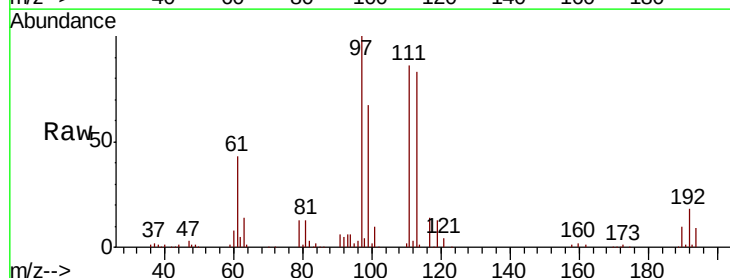
Tgt Ion: 97 Resp: 279469

Ion Ratio Lower Upper

97 100

99 65.6 51.4 77.0

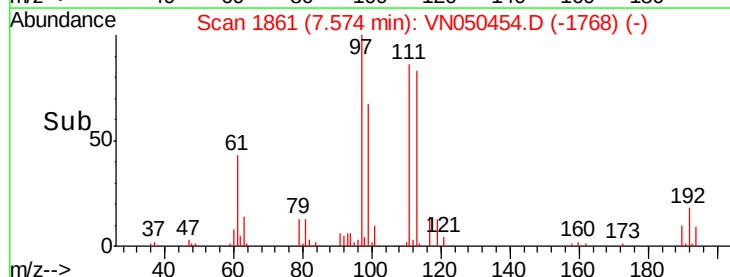
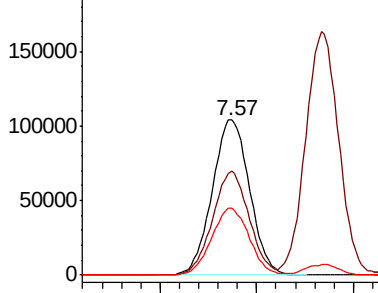
61 43.5 35.4 53.0

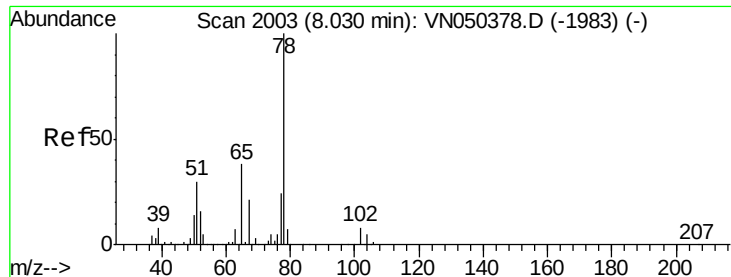


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 46.41 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

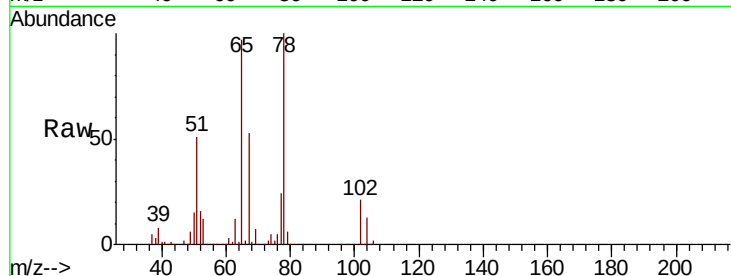
VN0808WBS01

Tot Ion: 65 Resp: 479574

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

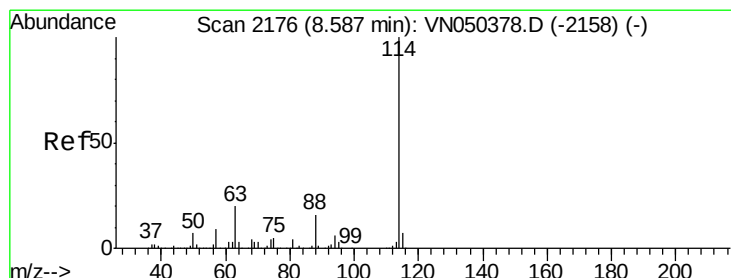
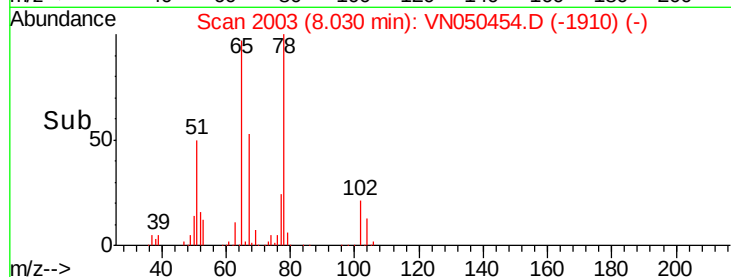
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

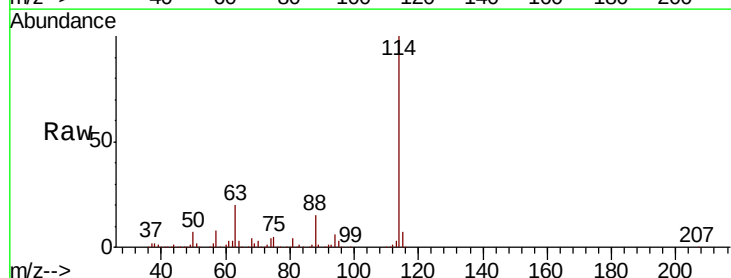
Tgt Ion:114 Resp: 1152137

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

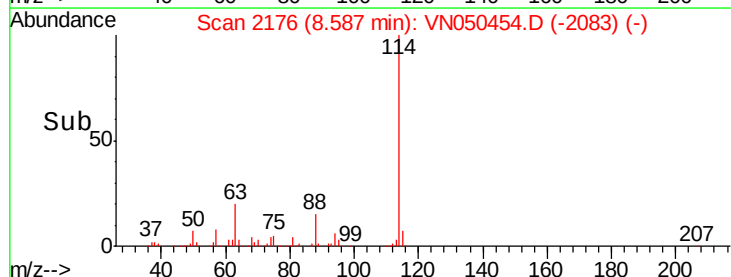
600000

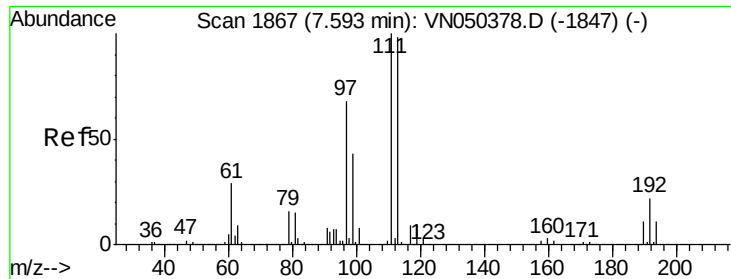
400000

200000

0

Time-->

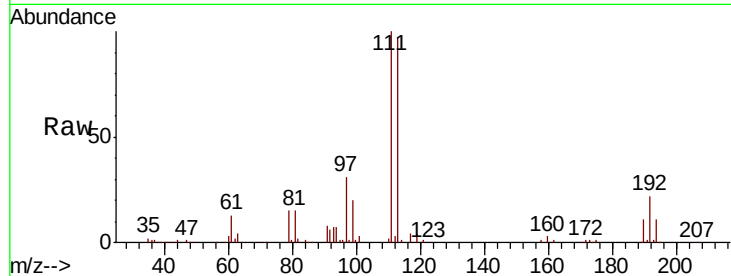




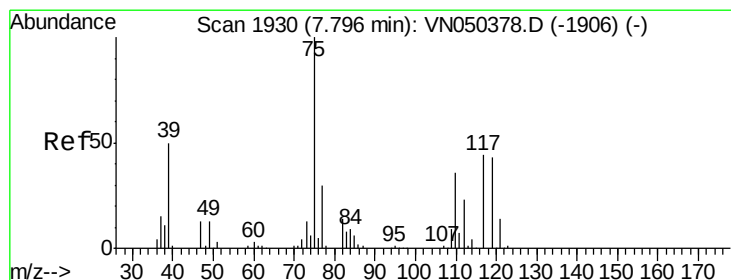
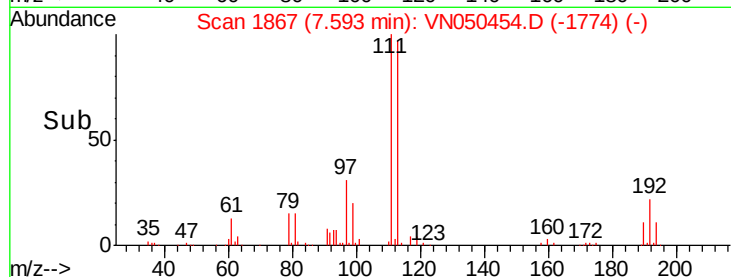
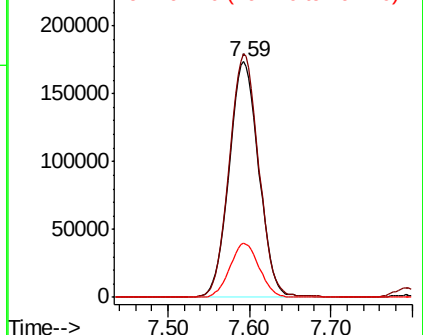
#35
 Dibromofluoromethane
 Concen: 47.75 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

Tot Ion:113 Resp: 441421
 Ion Ratio Lower Upper
 113 100
 111 102.8 80.7 121.1
 192 22.7 17.8 26.6

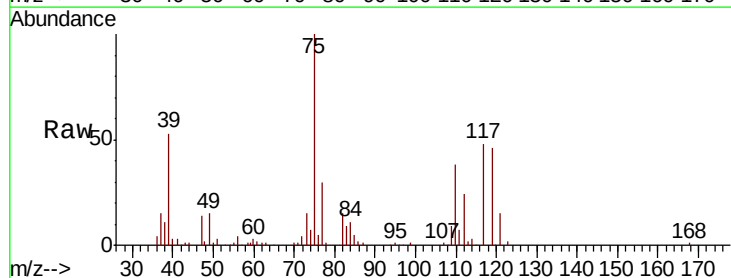


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

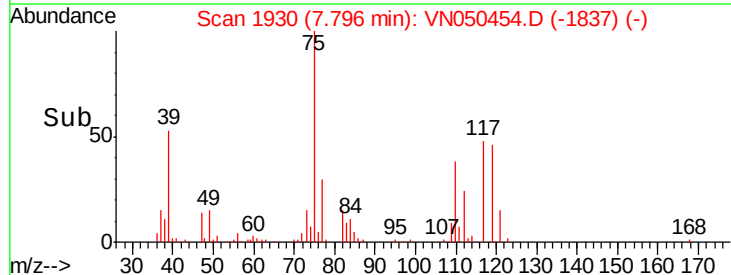
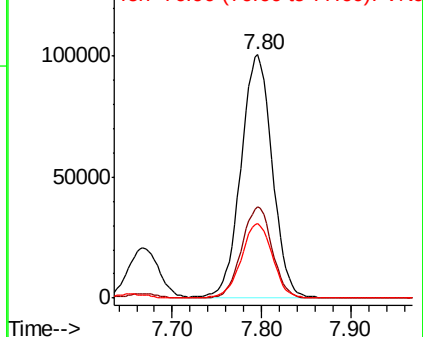


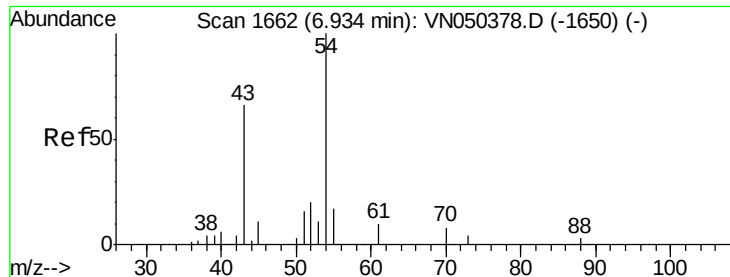
#36
 1,1-Dichloropropene
 Concen: 19.37 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion: 75 Resp: 245216
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.4 55.2
 77 30.7 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

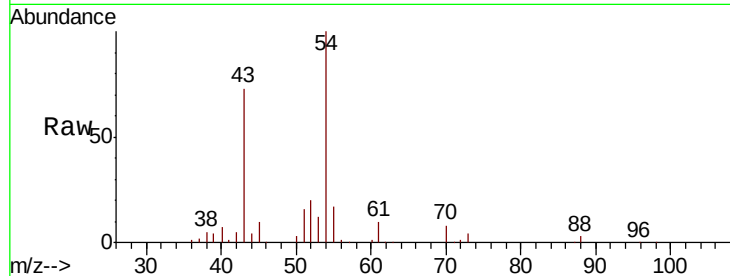




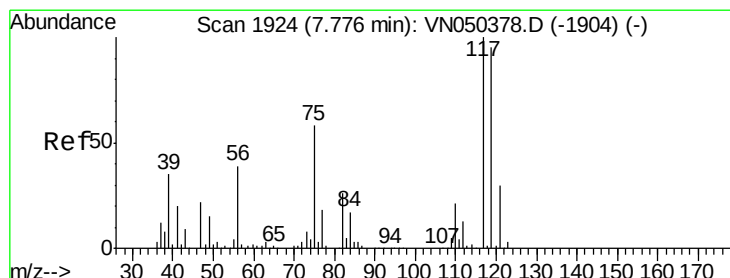
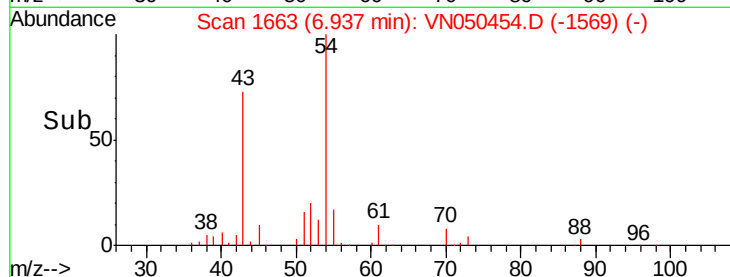
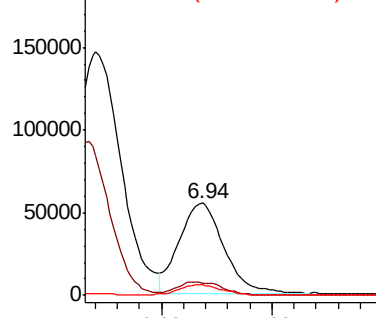
#37
Ethyl Acetate
Concen: 17.04 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion: 43 Resp: 155304
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.8
70 11.3 8.4 12.6

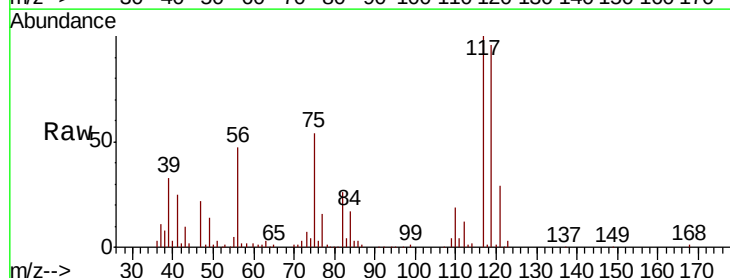


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

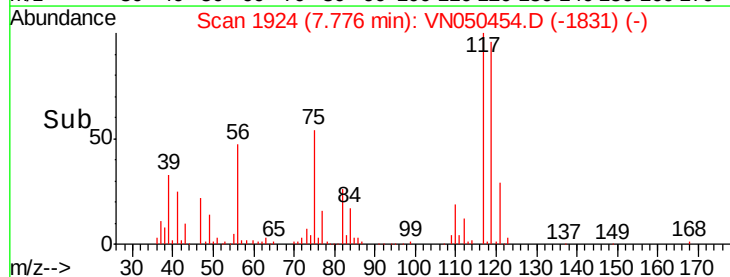
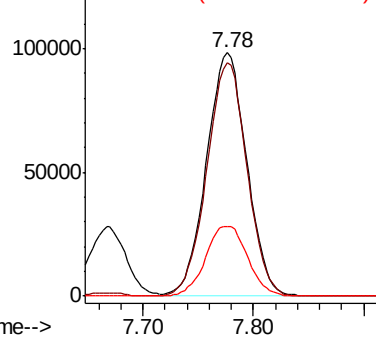


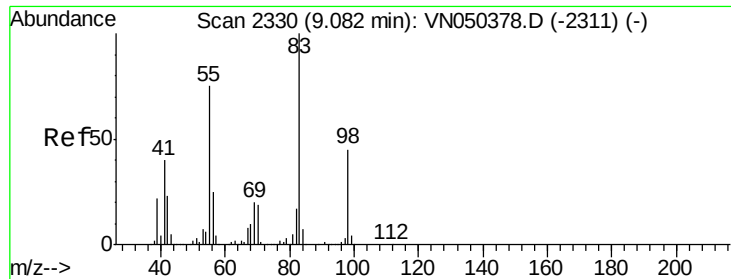
#38
Carbon Tetrachloride
Concen: 18.74 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion: 117 Resp: 247503
Ion Ratio Lower Upper
117 100
119 95.9 77.4 116.0
121 28.8 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

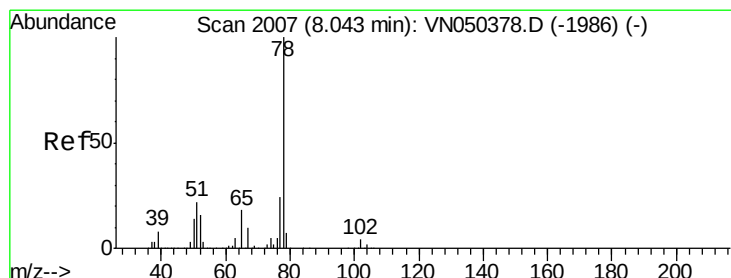
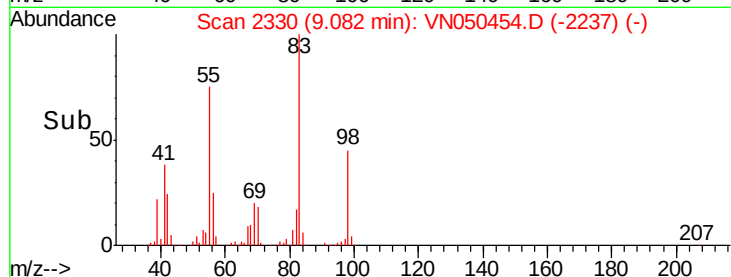
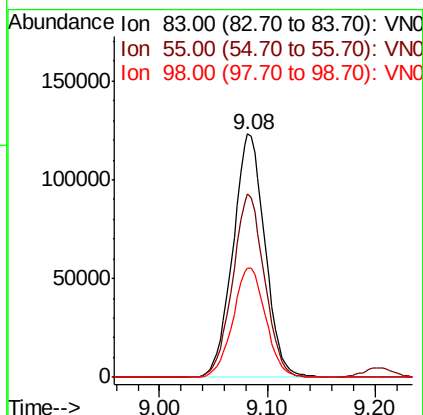
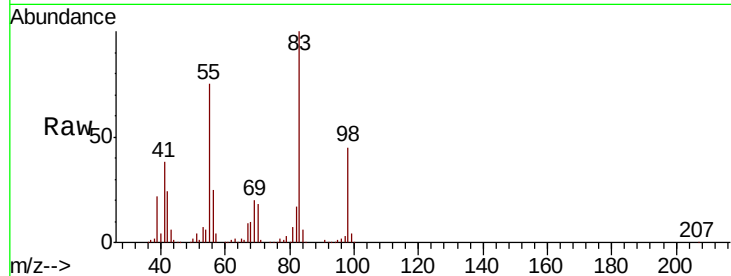




#39
Methylvlcyclohexane
Concen: 18.42 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

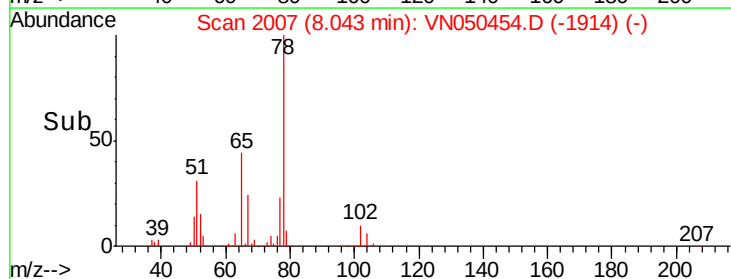
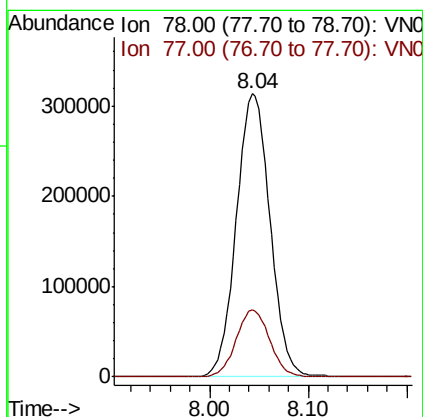
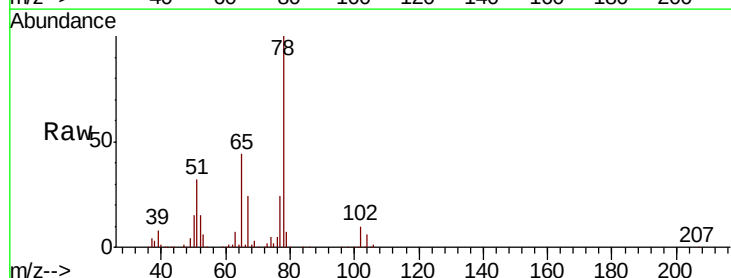
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

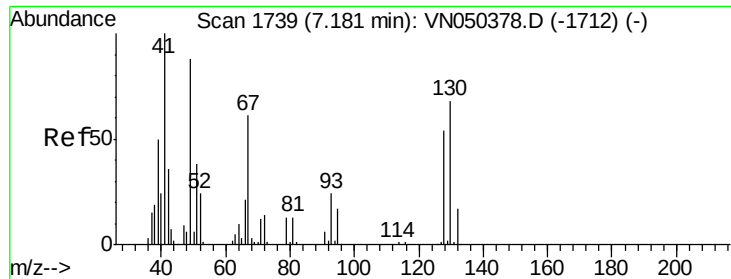
Tot Ion: 83 Resp: 254590
Ion Ratio Lower Upper
83 100
55 75.3 61.8 92.8
98 44.8 36.5 54.7



#40
Benzene
Concen: 19.06 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion: 78 Resp: 741967
Ion Ratio Lower Upper
78 100
77 23.6 18.7 28.1

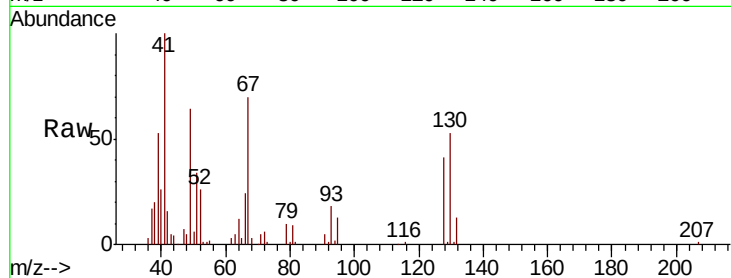




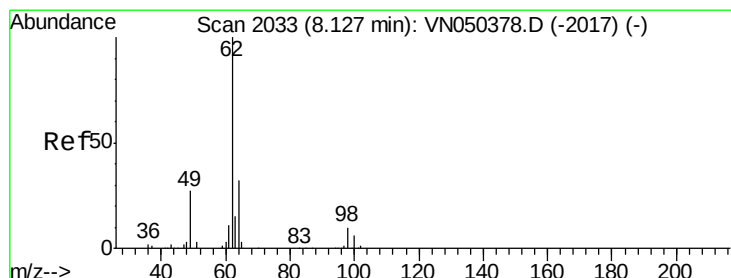
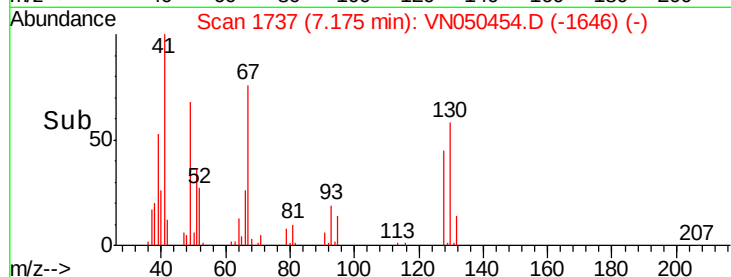
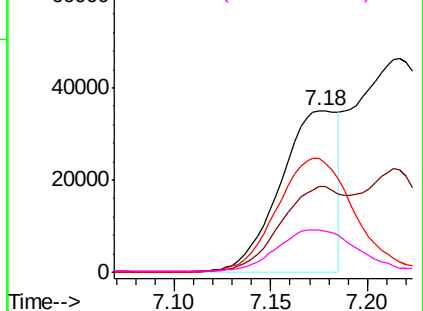
#41
Methacrylonitrile
Concen: 14.98 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0808WBS01

Tot Ion: 41 Resp: 72631
Ion Ratio Lower Upper
41 100
39 56.7 55.8 83.6
67 96.4 84.3 126.5
52 36.6 34.2 51.2

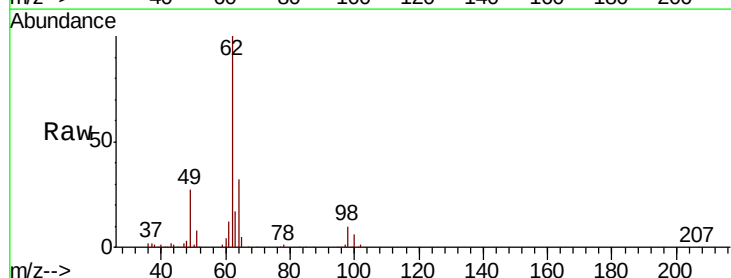


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

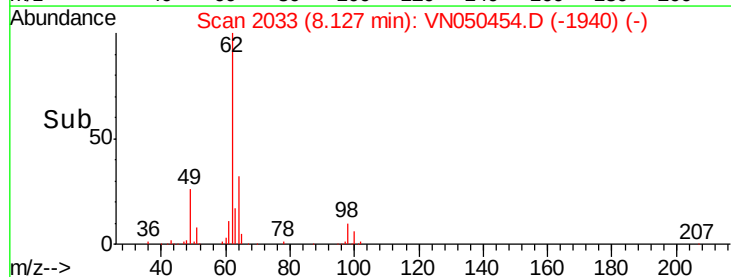
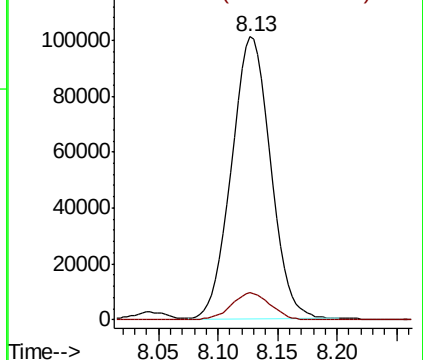


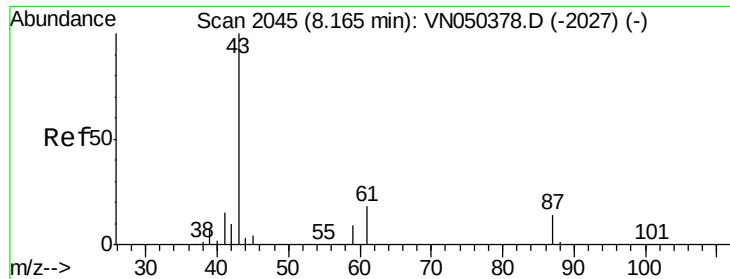
#42
1,2-Dichloroethane
Concen: 18.63 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion: 62 Resp: 230239
Ion Ratio Lower Upper
62 100
98 9.6 0.0 18.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 17.50 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

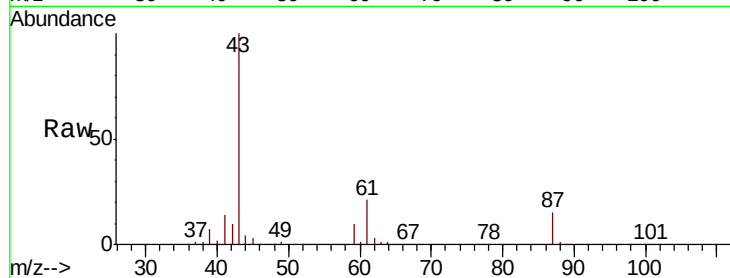
MSVOA_N

ClientSampleId :

VN0808WBS01

Tot Ion: 43 Resp: 275349

Ion	Ratio	Lower	Upper
43	100		
61	30.2	15.8	23.6#
87	14.5	10.3	15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

8.17

150000

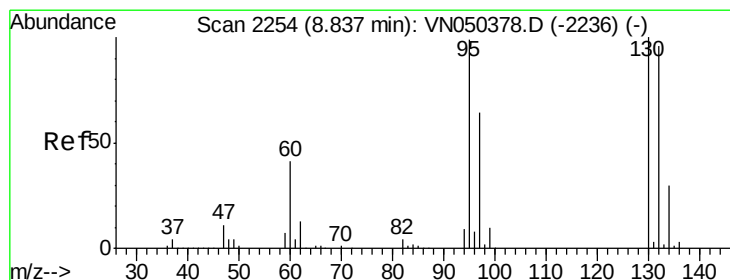
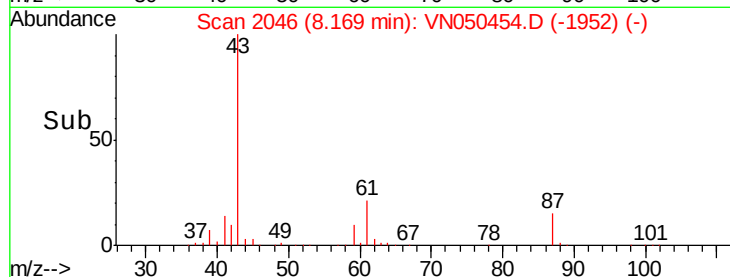
100000

50000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 19.24 ug/l

RT: 8.84 min Scan# 2254

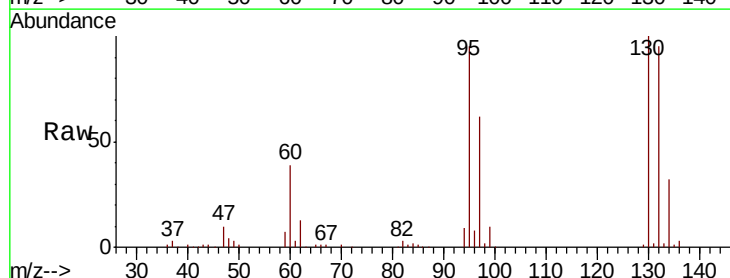
Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Tgt Ion:130 Resp: 201154

Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.84

100000

80000

60000

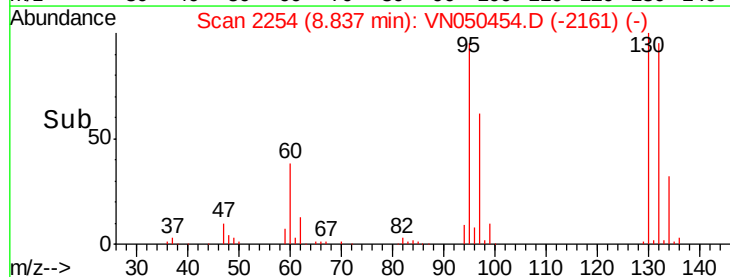
40000

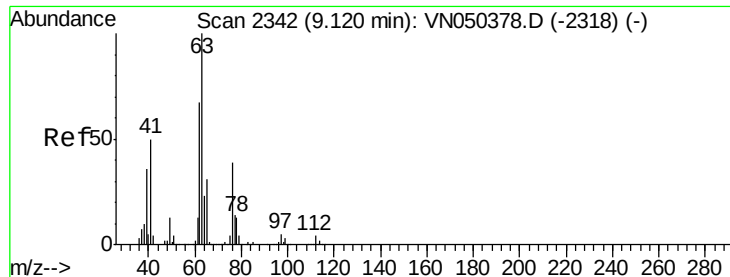
20000

0

8.80 8.90

Time-->

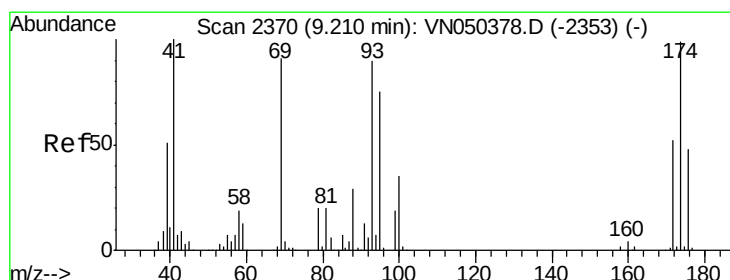
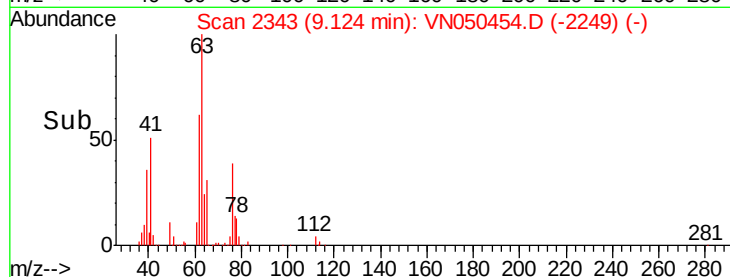
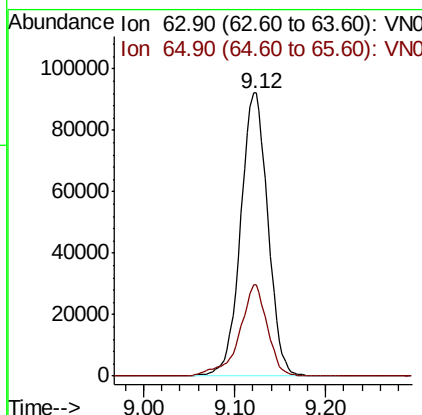
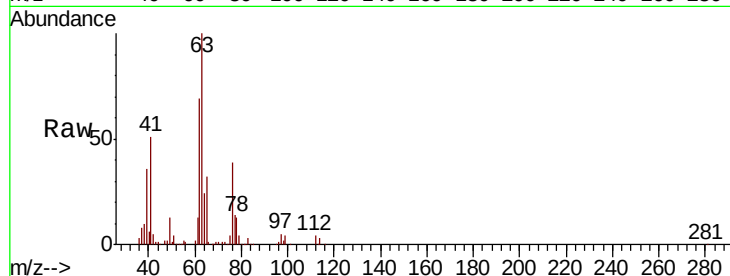




#45
 1,2-Dichloropropane
 Concen: 18.74 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

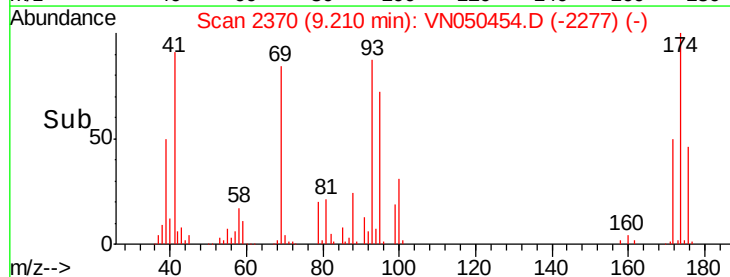
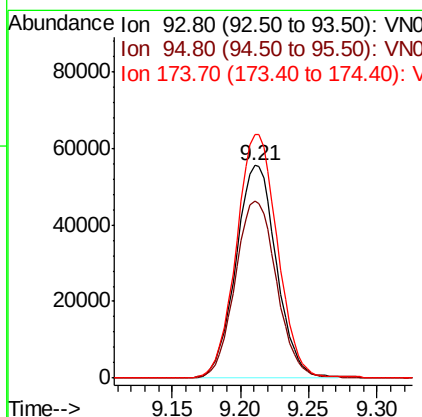
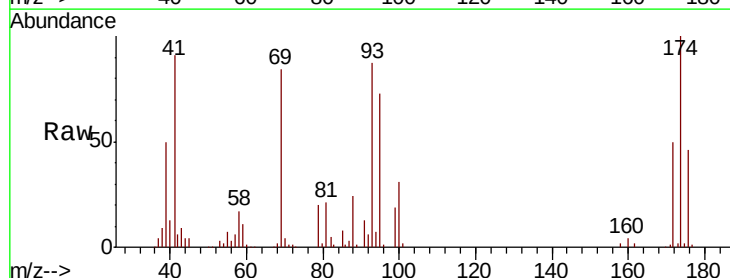
Instrument :
 MSVOA_N
 ClientSampled :
 VN0808WBS01

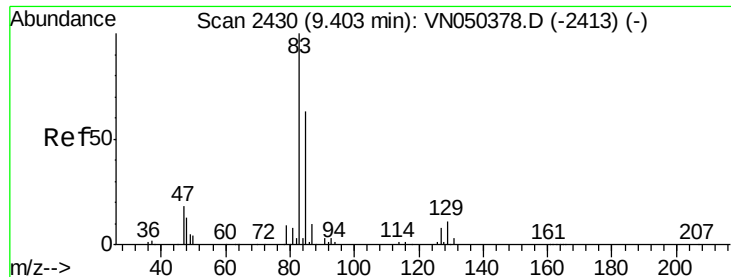
Tot Ion: 63 Resp: 191703
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.5 38.3



#46
 Dibromomethane
 Concen: 18.18 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion: 93 Resp: 114842
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.6 100.0
 174 116.0 87.1 130.7

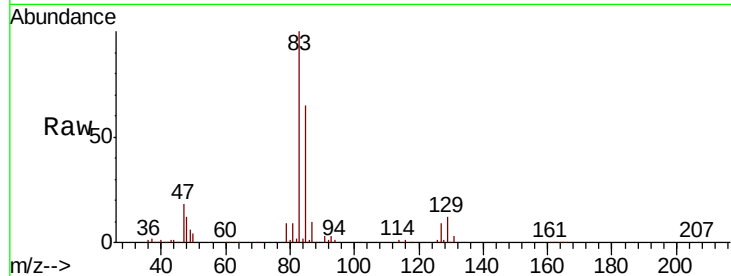




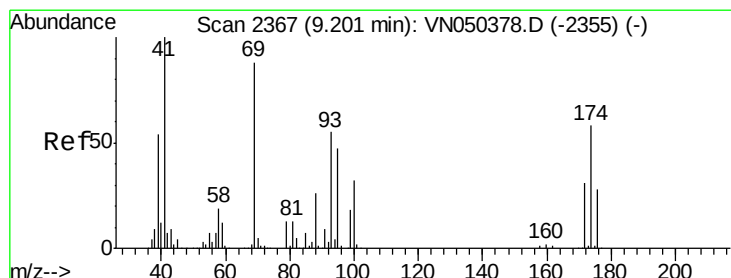
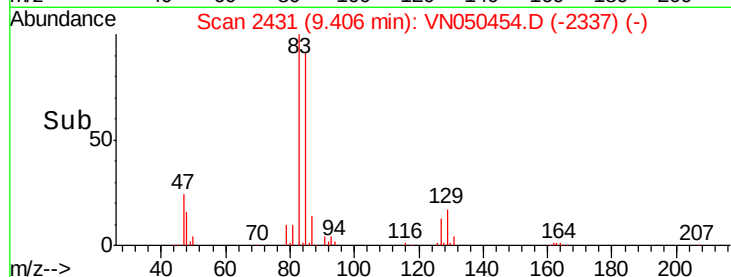
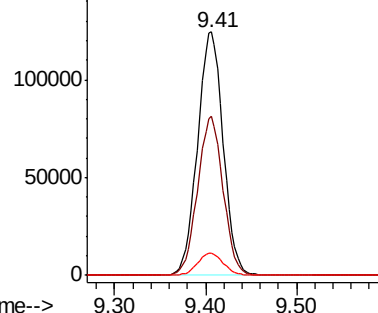
#47
Bromodichloromethane
Concen: 18.61 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion: 83 Resp: 243533
Ion Ratio Lower Upper
83 100
85 65.1 51.1 76.7
127 9.0 7.0 10.4

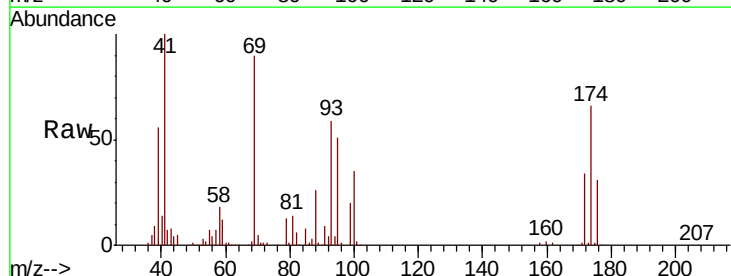


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

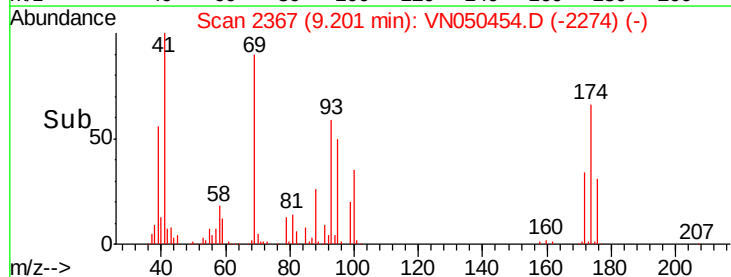
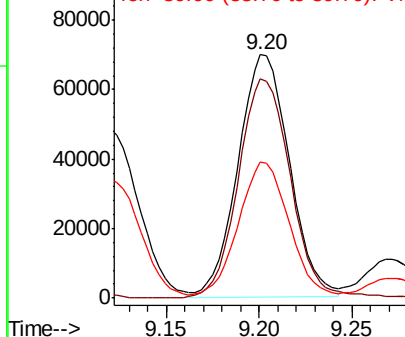


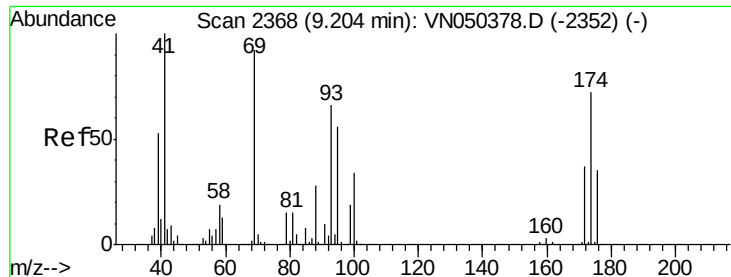
#48
Methyl methacrylate
Concen: 17.13 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion: 41 Resp: 135150
Ion Ratio Lower Upper
41 100
69 91.9 70.6 105.8
39 55.3 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 316.15 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0808WBS01

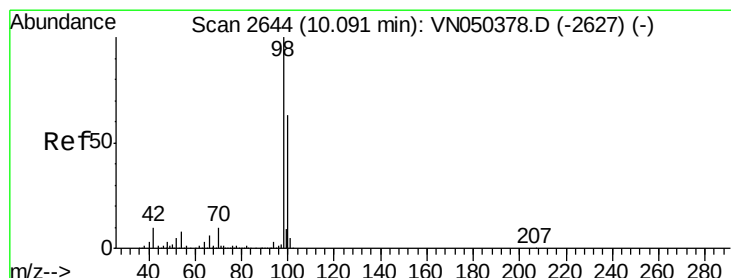
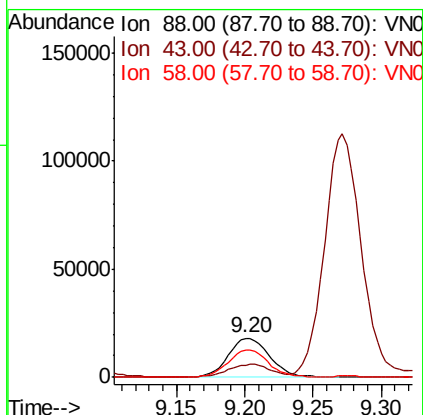
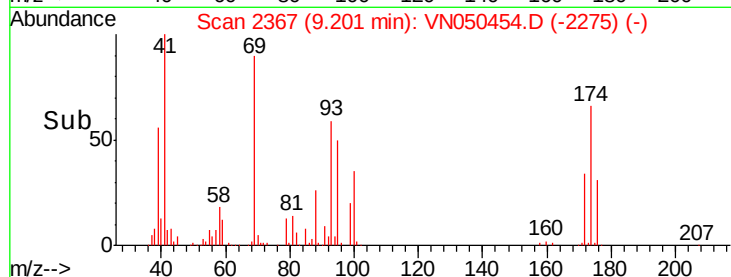
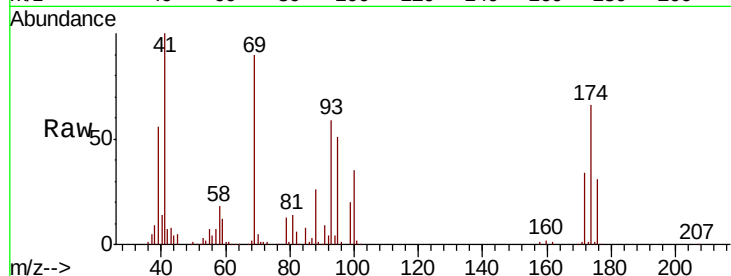
Tot Ion: 88 Resp: 38438

Ion Ratio Lower Upper

88 100

43 32.1 26.9 40.3

58 67.5 57.3 85.9



#50

Toluene-d8

Concen: 47.10 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050454.D

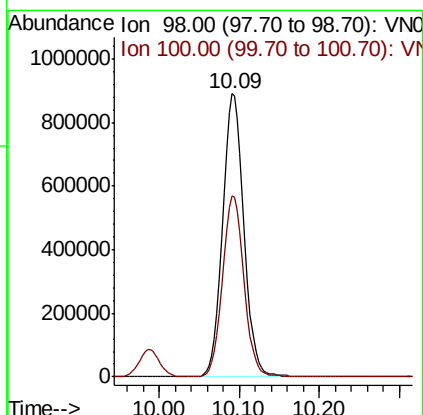
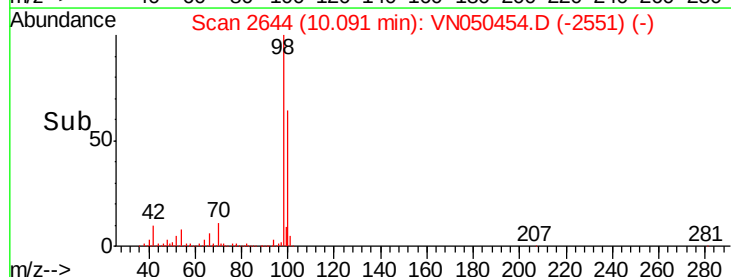
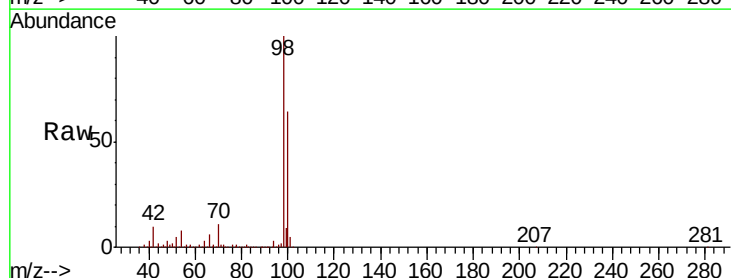
Acq: 8 Aug 2018 13:11

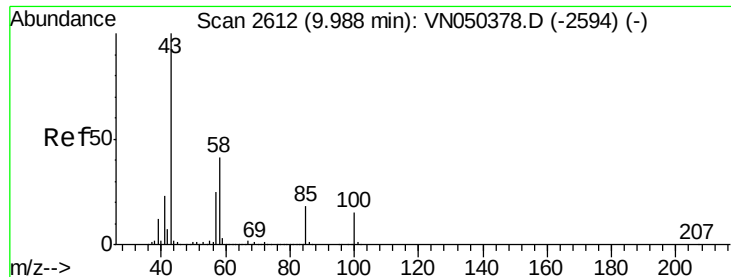
Tgt Ion: 98 Resp: 1637263

Ion Ratio Lower Upper

98 100

100 64.6 50.7 76.1

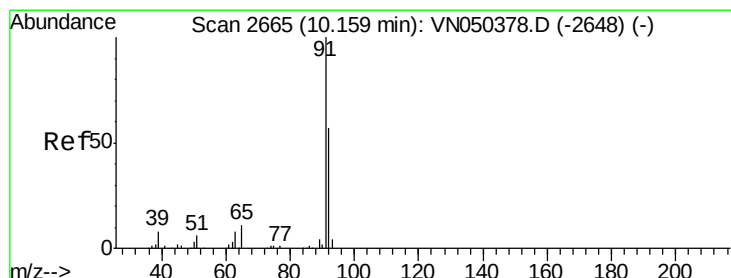
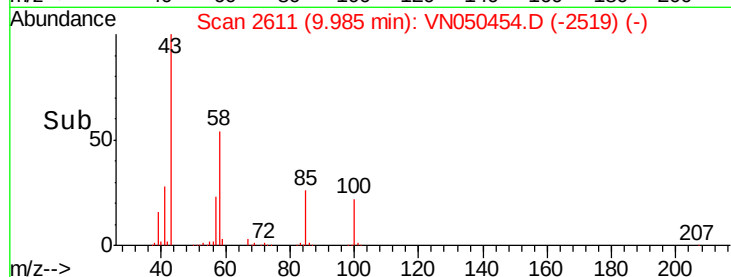
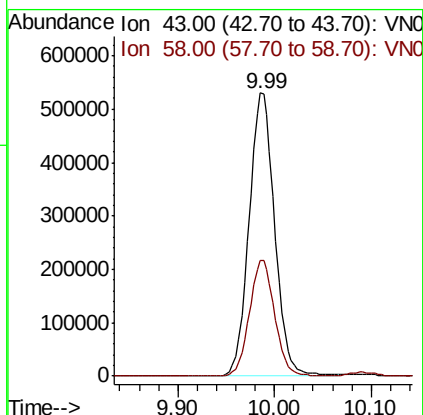
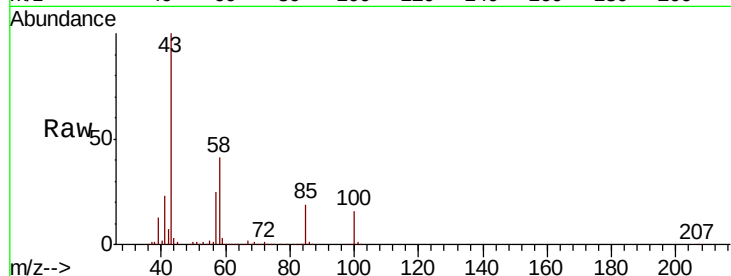




#51
 4-Methyl-2-Pentanone
 Concen: 85.62 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

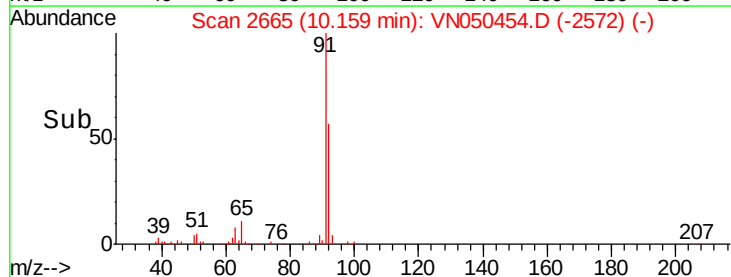
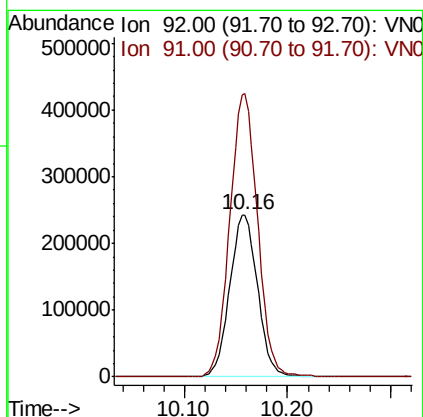
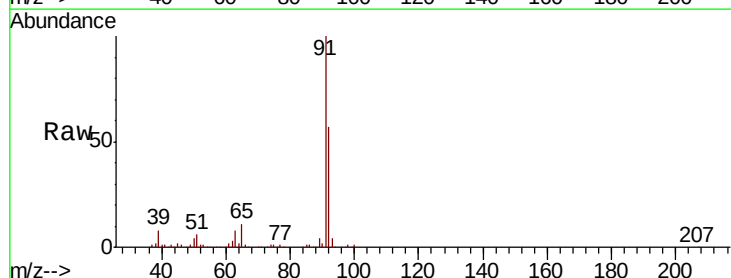
Instrument :
 MSVOA_N
 ClientSampled :
 VN0808WBS01

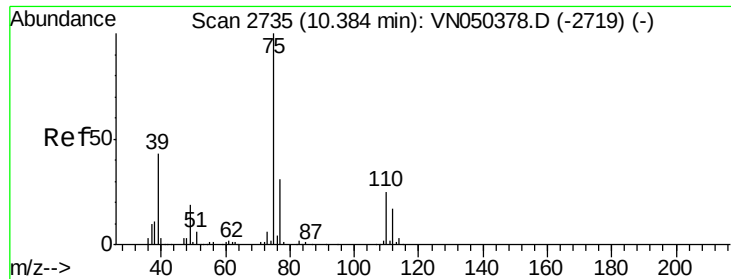
Tot Ion: 43 Resp: 970359
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.9 47.9



#52
 Toluene
 Concen: 19.57 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion: 92 Resp: 457440
 Ion Ratio Lower Upper
 92 100
 91 174.5 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 18.42 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

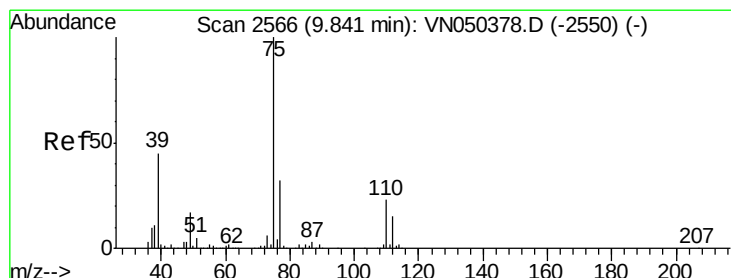
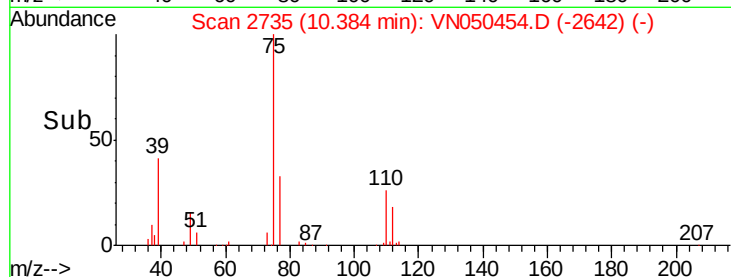
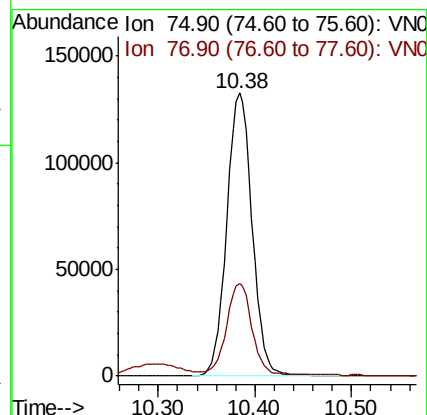
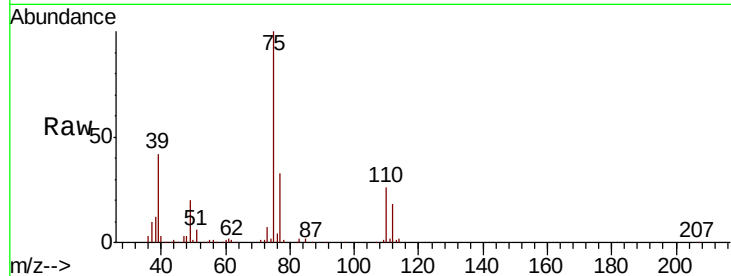
VN0808WBS01

Tot Ion: 75 Resp: 242012

Ion Ratio Lower Upper

75 100

77 32.6 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.42 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

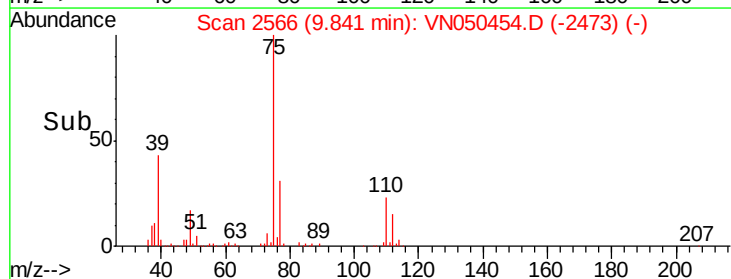
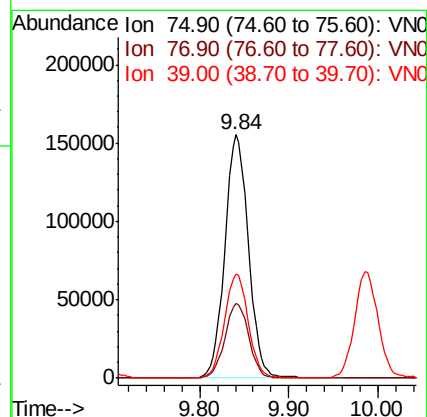
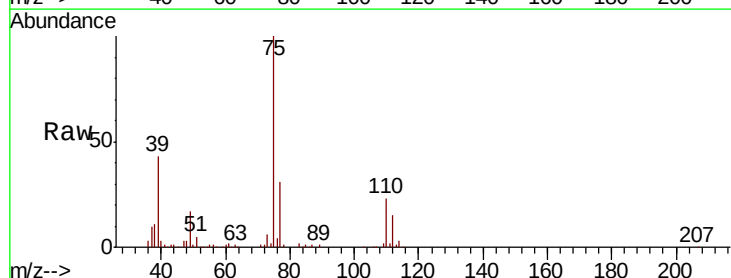
Tgt Ion: 75 Resp: 284741

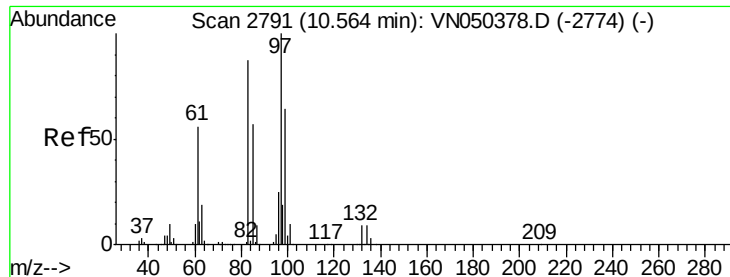
Ion Ratio Lower Upper

75 100

77 30.7 25.5 38.3

39 42.9 36.6 55.0

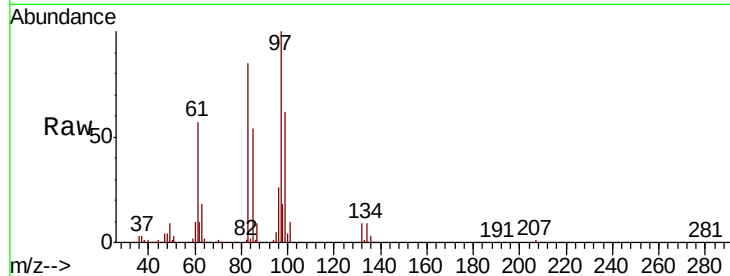




#55
 1,1,2-Trichloroethane
 Concen: 18.72 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0808WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.0	69.2	103.8
85	54.0	44.0	66.0
99	62.1	49.9	74.9



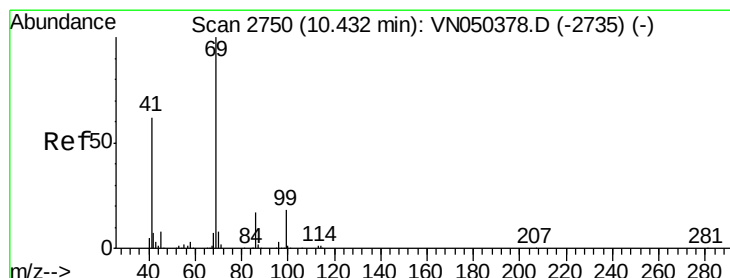
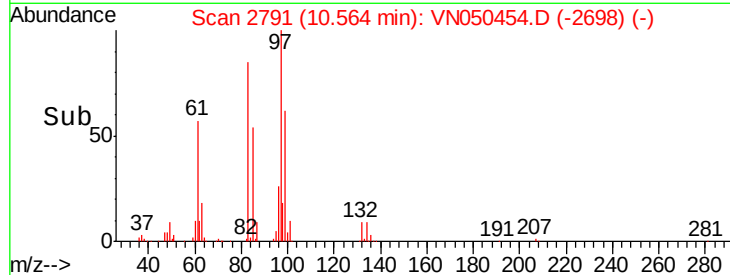
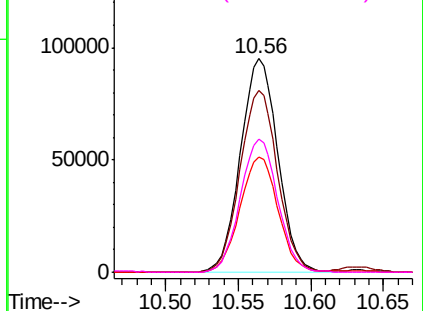
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

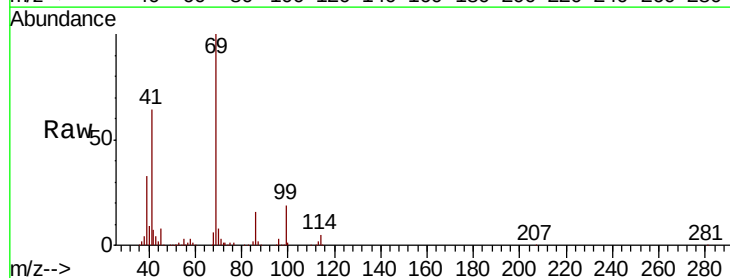
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 17.68 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.0	76.4
39	31.7	26.6	40.0

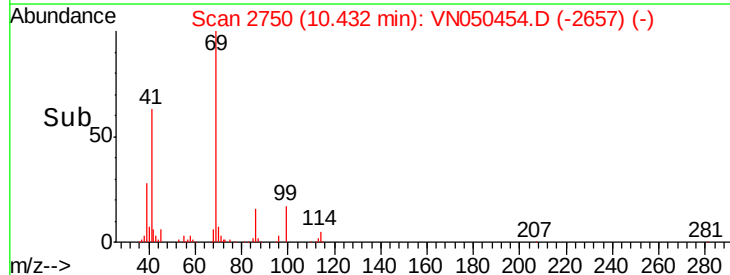
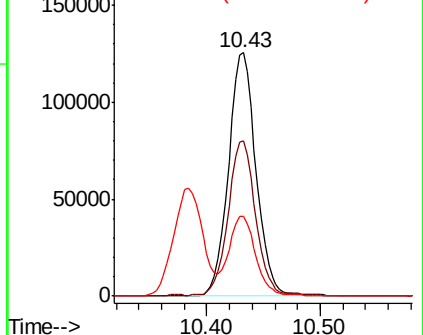


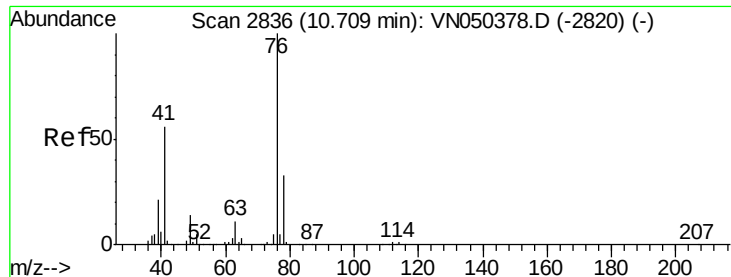
Abundance

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: 18.67 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

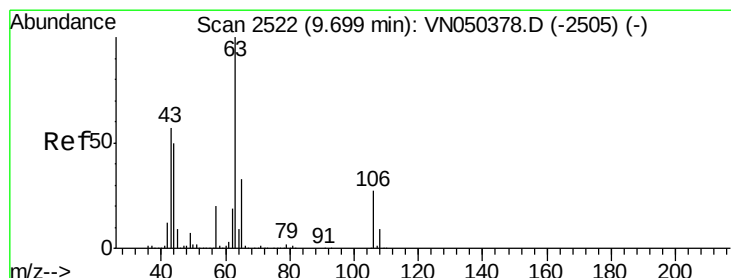
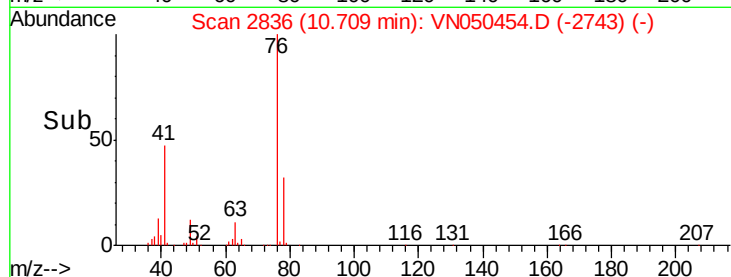
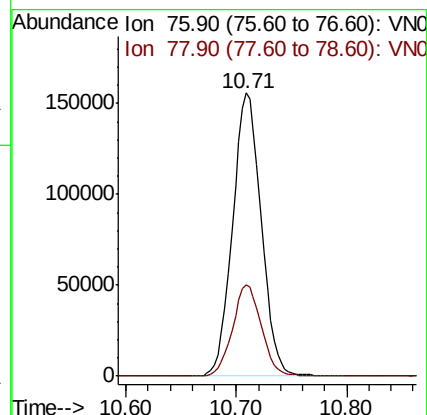
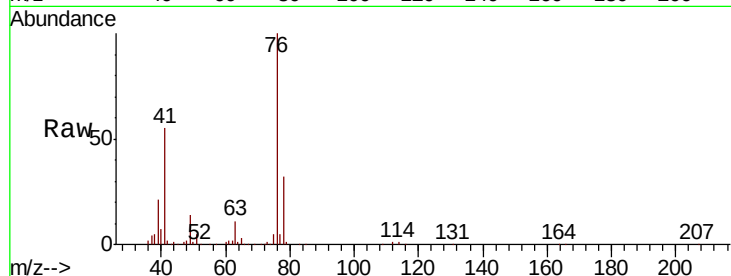
VN0808WBS01

Tot Ion: 76 Resp: 279645

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 86.33 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050454.D

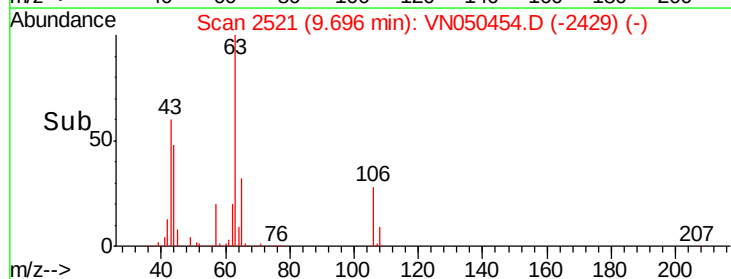
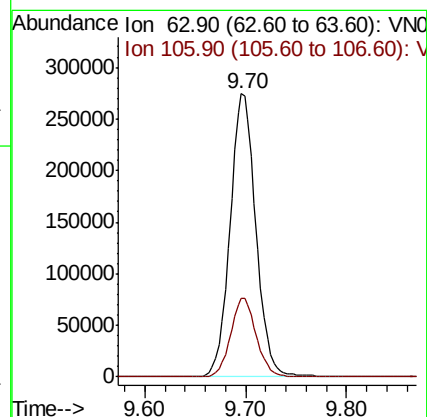
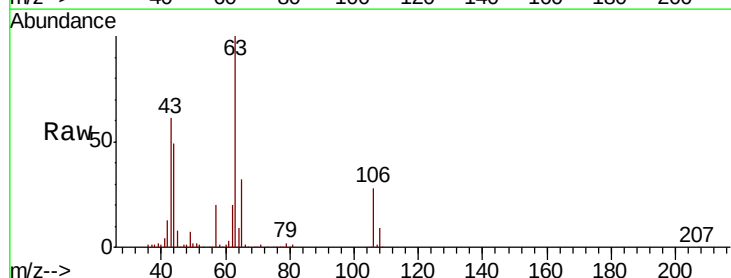
Acq: 8 Aug 2018 13:11

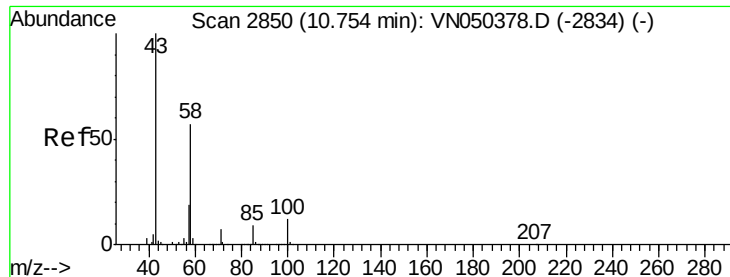
Tgt Ion: 63 Resp: 489707

Ion Ratio Lower Upper

63 100

106 27.8 21.7 32.5

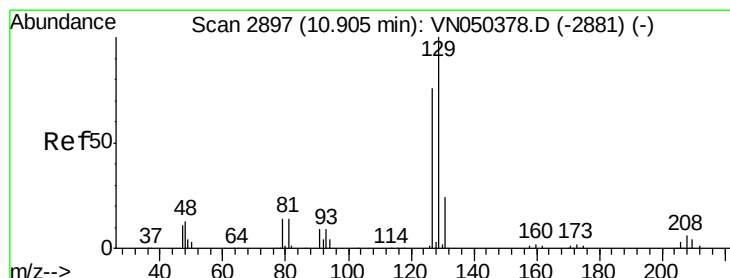
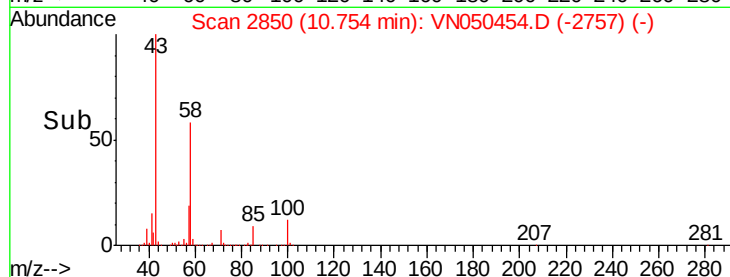
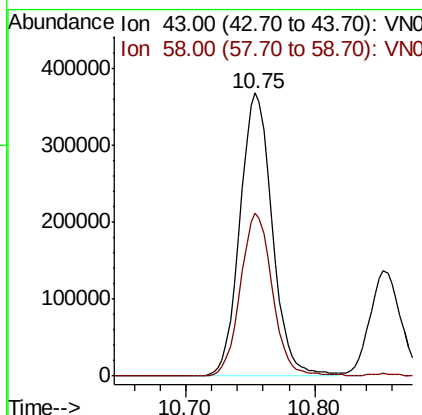
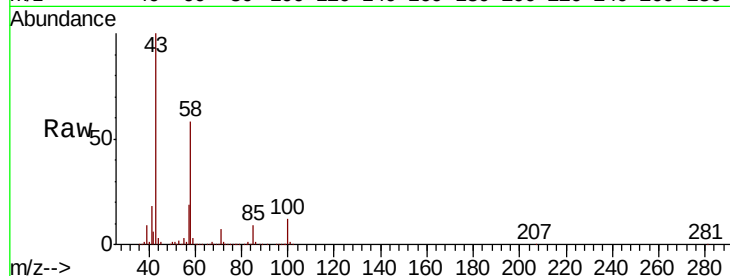




#59
2-Hexanone
Concen: 80.94 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

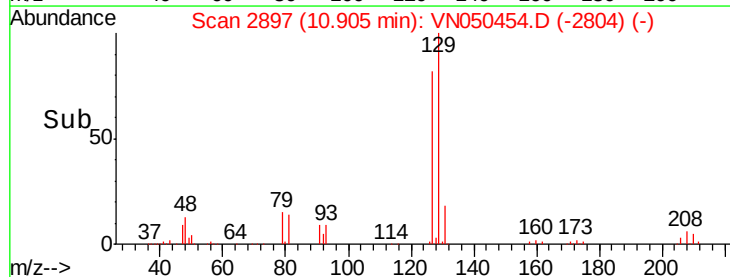
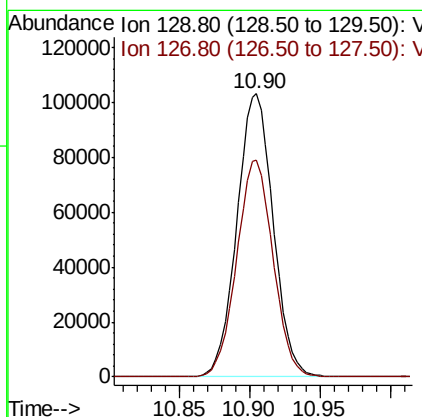
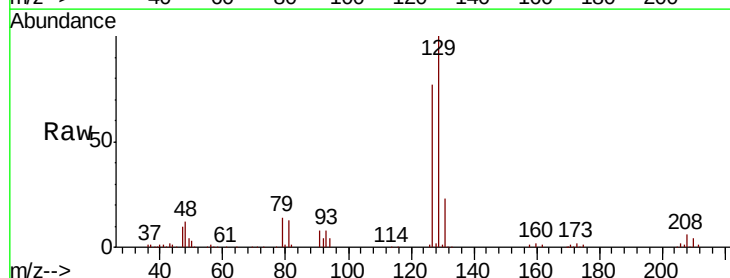
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

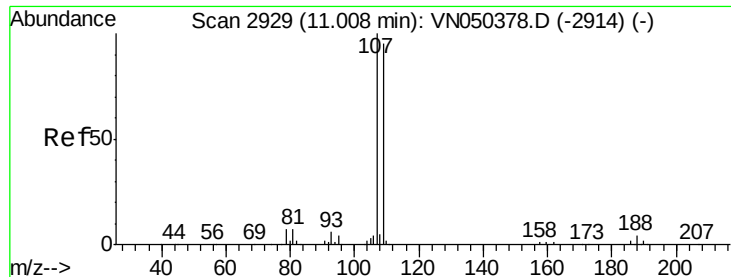
Tot Ion: 43 Resp: 640206
Ion Ratio Lower Upper
43 100
58 57.2 27.6 82.7



#60
Dibromochloromethane
Concen: 18.47 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion: 129 Resp: 185755
Ion Ratio Lower Upper
129 100
127 76.9 38.0 113.9

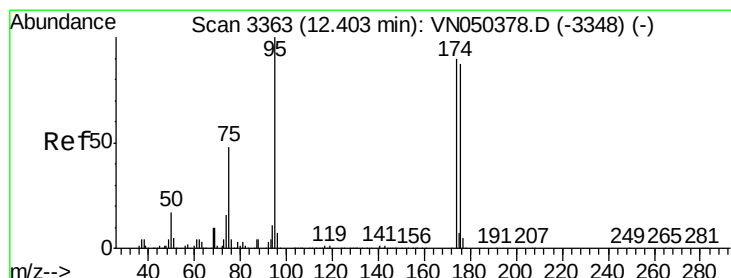
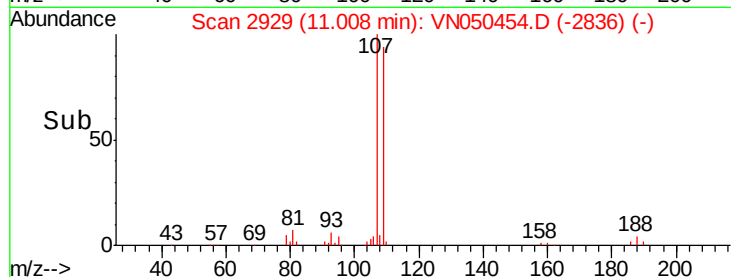
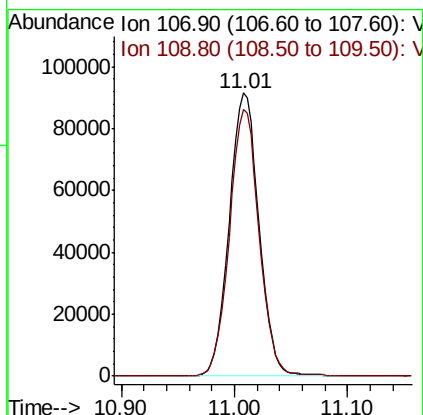
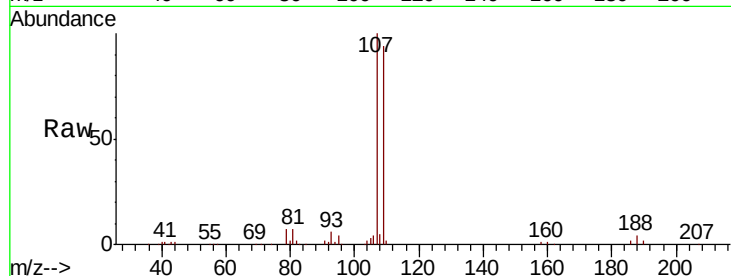




#61
 1,2-Dibromoethane
 Concen: 18.63 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

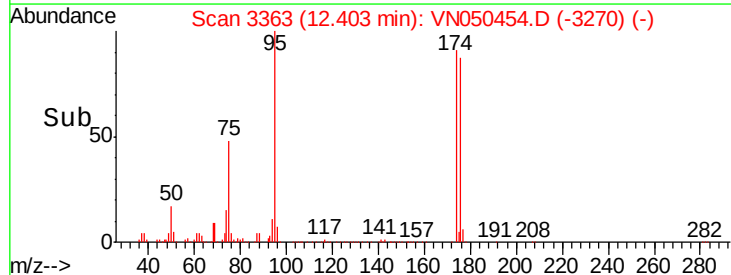
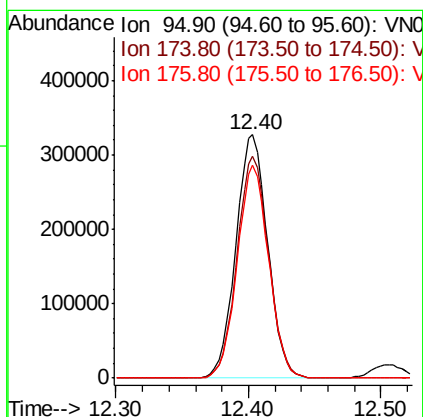
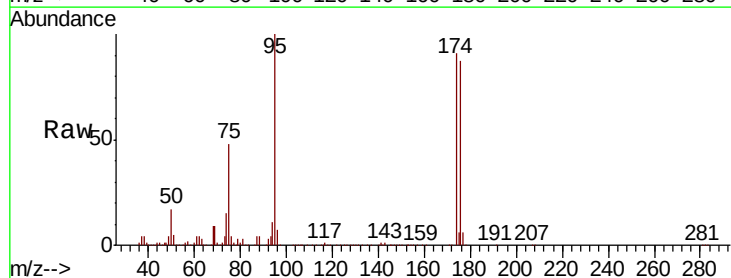
Instrument :
 MSVOA_N
 ClientSampled :
 VN0808WBS01

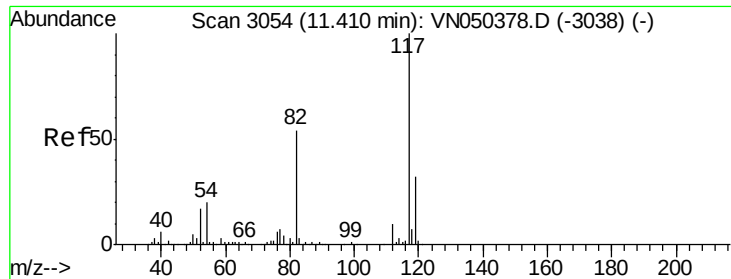
Tot Ion:107 Resp: 167612
 Ion Ratio Lower Upper
 107 100
 109 94.0 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 45.82 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion: 95 Resp: 542858
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 178.2
 176 86.6 0.0 173.4

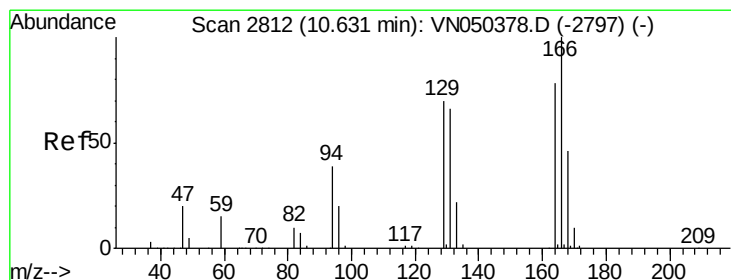
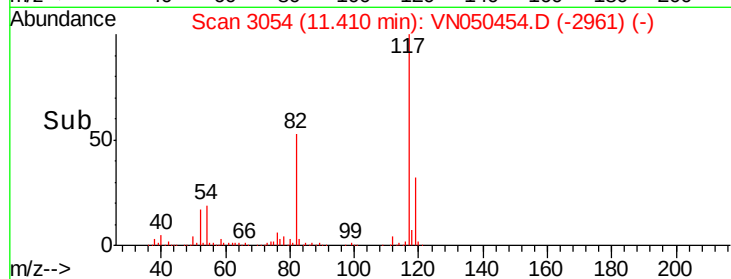
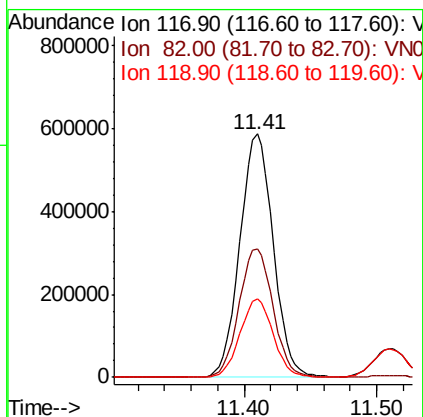
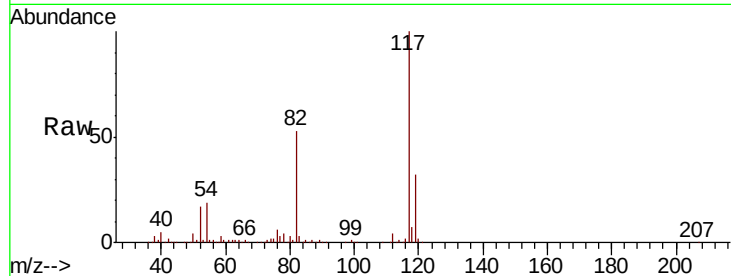




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

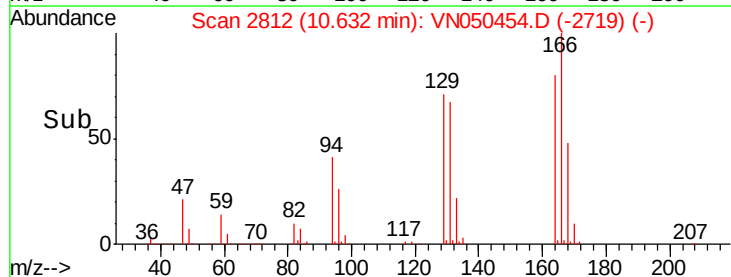
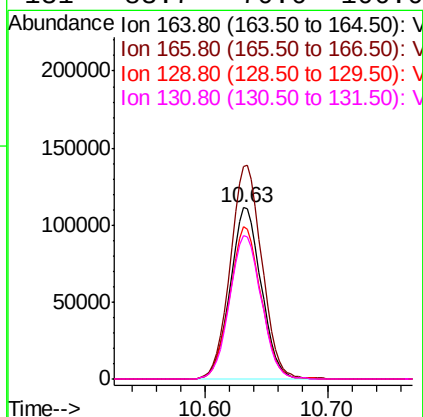
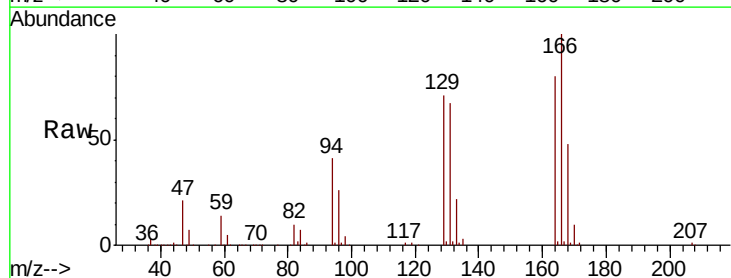
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

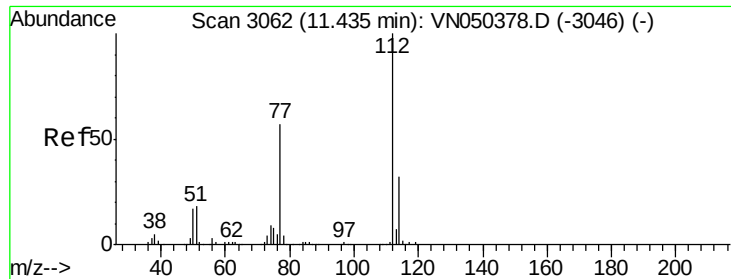
Tot Ion:117 Resp: 1029460
Ion Ratio Lower Upper
117 100
82 53.0 43.7 65.5
119 32.0 26.1 39.1



#64
Tetrachloroethene
Concen: 20.51 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion:164 Resp: 197334
Ion Ratio Lower Upper
164 100
166 124.3 102.1 153.1
129 88.8 73.2 109.8
131 83.7 70.6 106.0

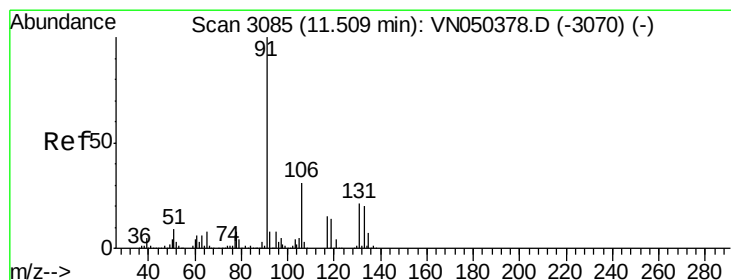
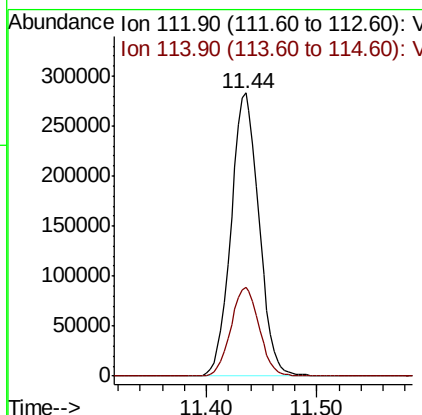
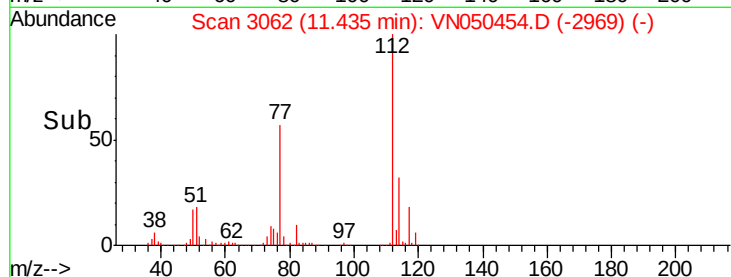
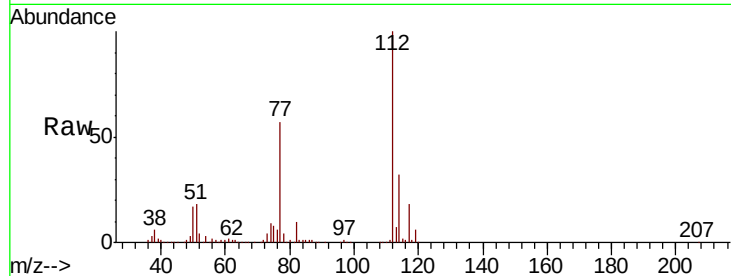




#65
Chlorobenzene
Concen: 19.23 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

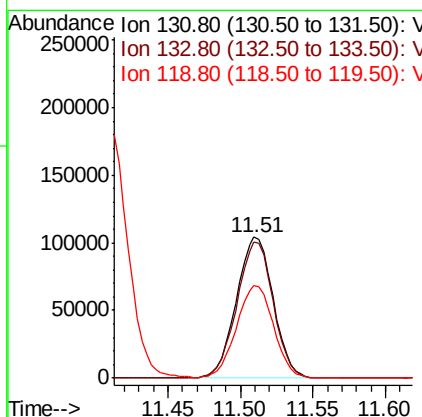
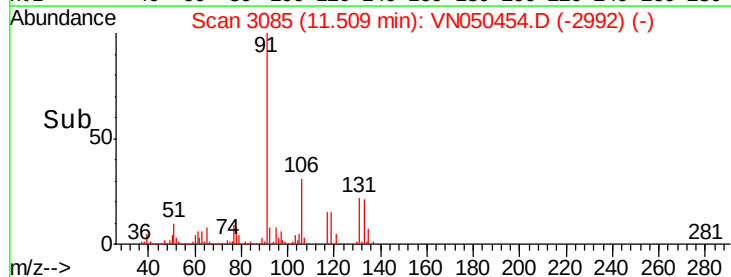
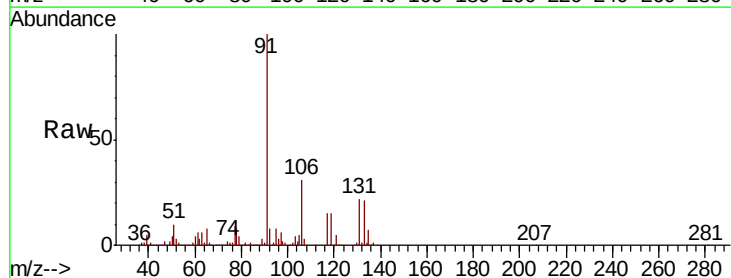
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

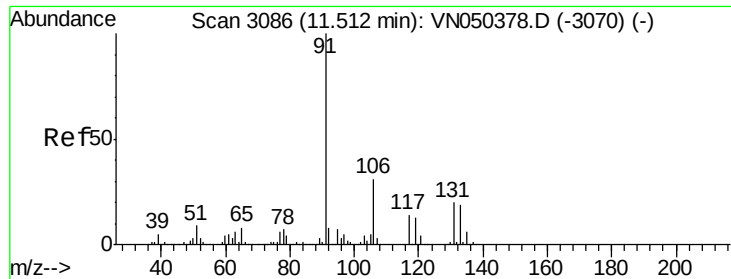
Tot Ion:112 Resp: 496257
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.58 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion:131 Resp: 183936
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.9
119 66.2 32.9 98.7





#67

Ethyl Benzene

Concen: 19.96 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

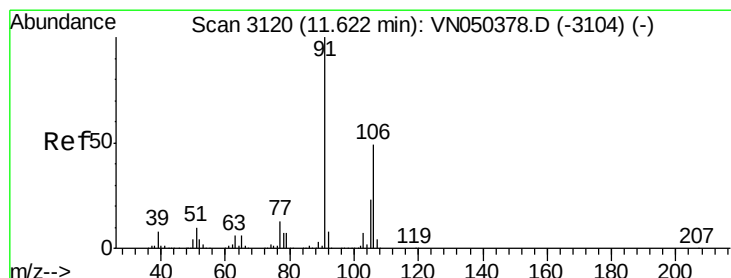
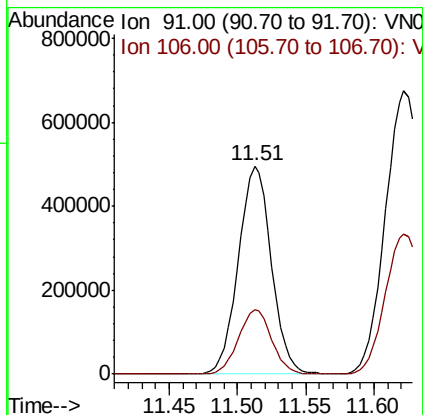
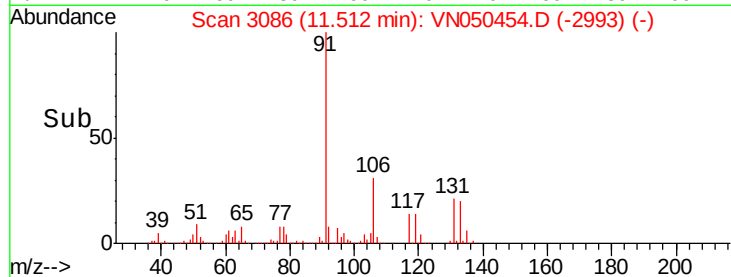
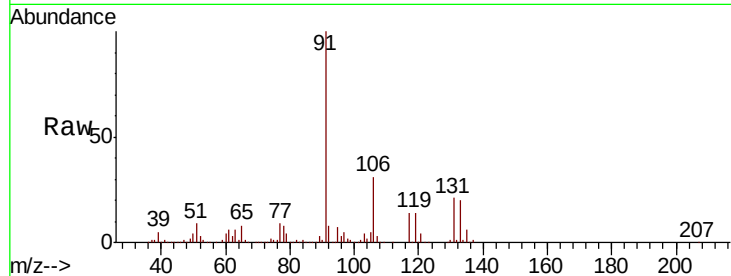
VN0808WBS01

Tot Ion: 91 Resp: 832801

Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.4



#68

m/p-Xylenes

Concen: 40.77 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050454.D

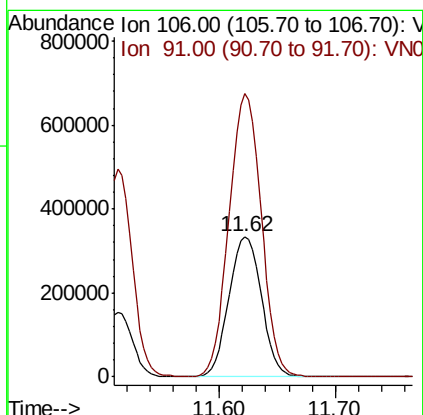
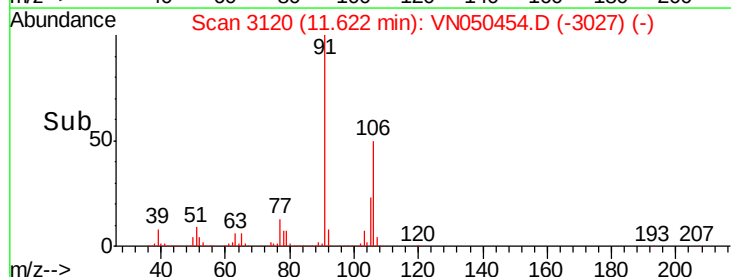
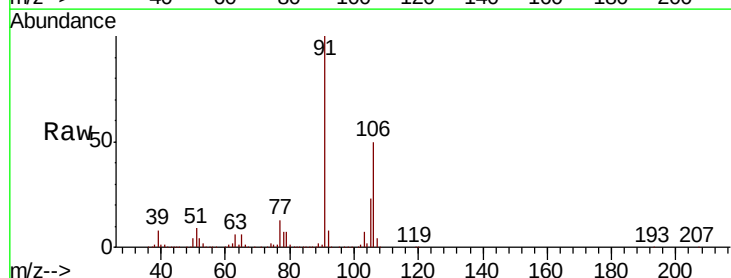
Acq: 8 Aug 2018 13:11

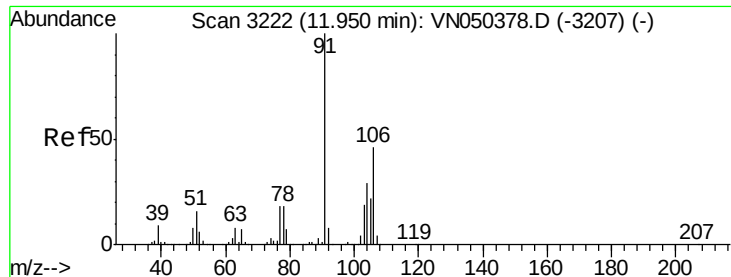
Tgt Ion: 106 Resp: 647552

Ion Ratio Lower Upper

106 100

91 200.8 162.2 243.2

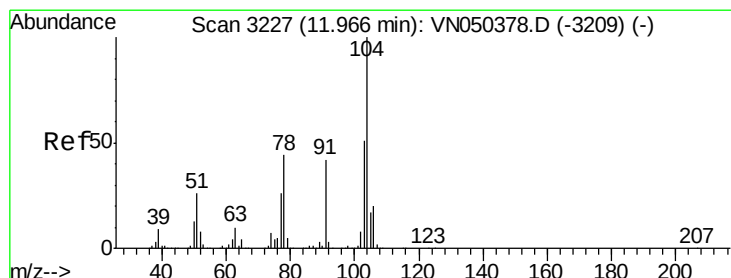
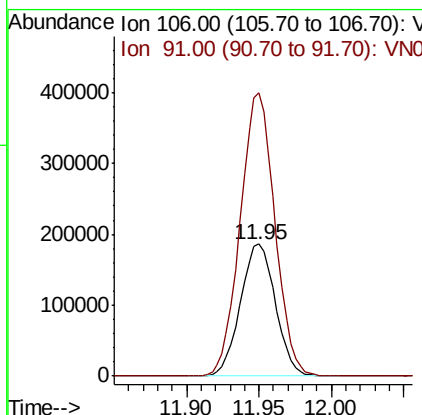
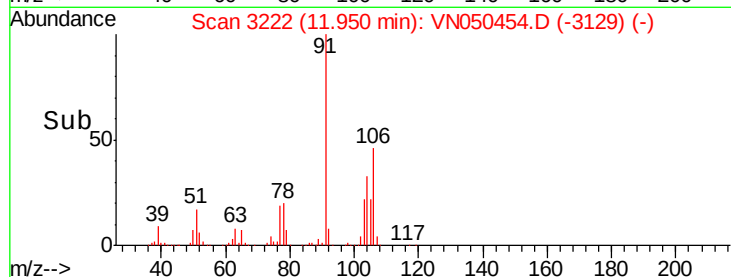
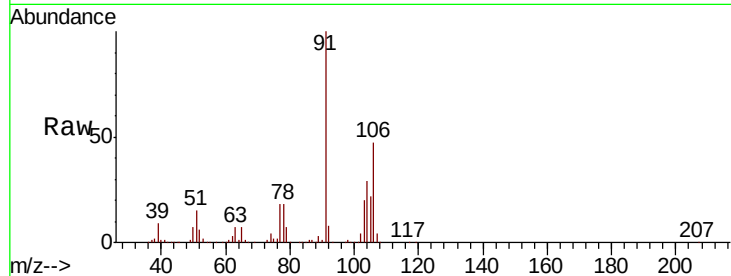




#69
o-Xylene
Concen: 20.49 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

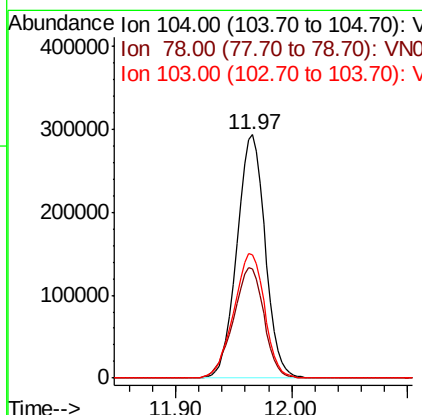
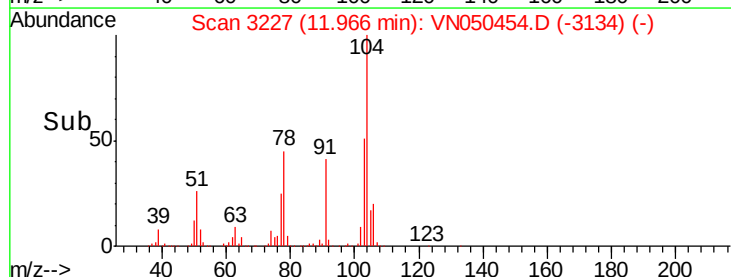
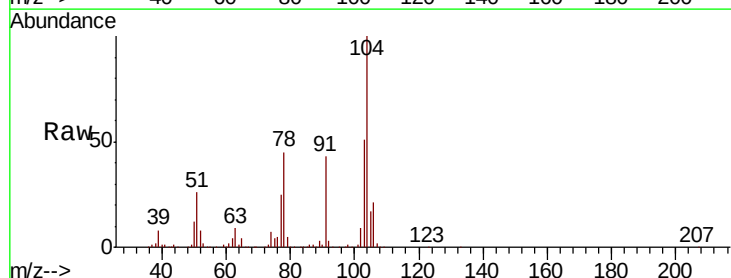
Instrument :
MSVOA_N
ClientSampled :
VN0808WBS01

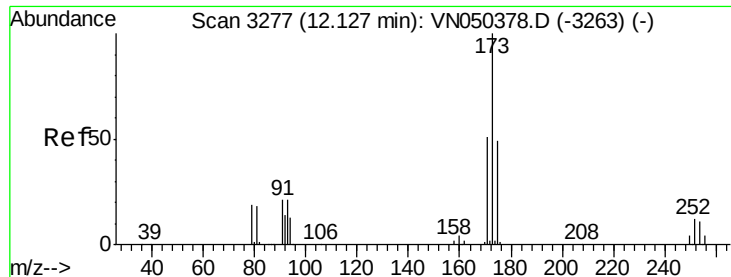
Tot Ion:106 Resp: 313495
Ion Ratio Lower Upper
106 100
91 211.8 107.7 323.1



#70
Styrene
Concen: 19.92 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion:104 Resp: 495590
Ion Ratio Lower Upper
104 100
78 49.4 39.3 58.9
103 56.1 45.0 67.6





#71

Bromoform

Concen: 18.54 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0808WBS01

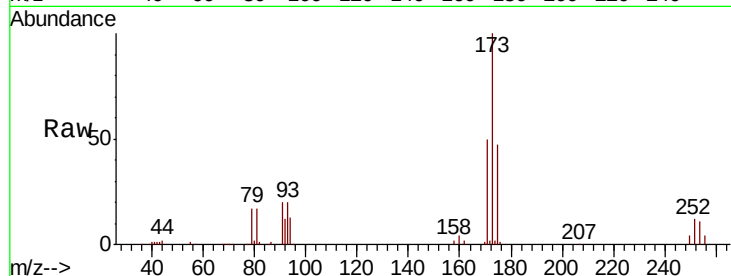
Tot Ion:173 Resp: 127289

Ion Ratio Lower Upper

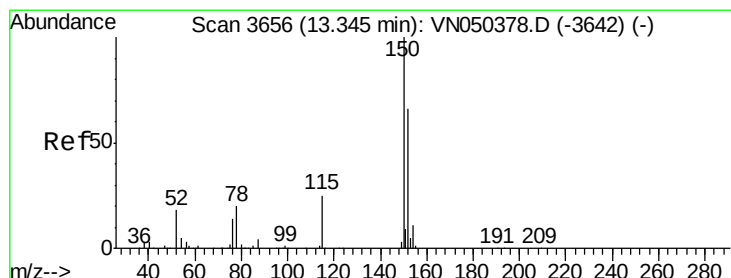
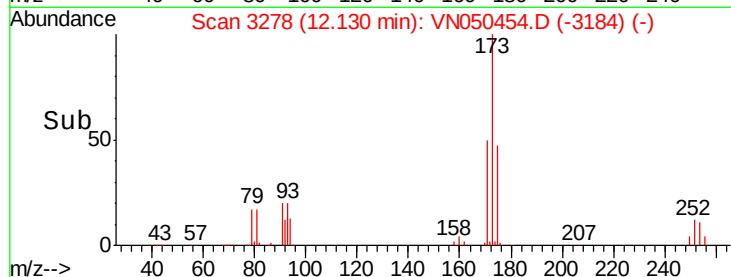
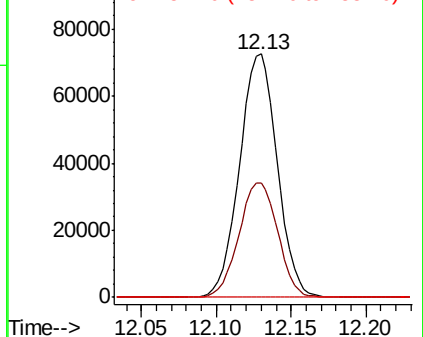
173 100

175 48.4 24.1 72.2

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

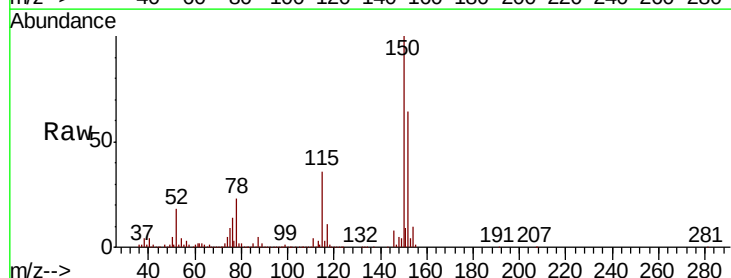
Tgt Ion:152 Resp: 515169

Ion Ratio Lower Upper

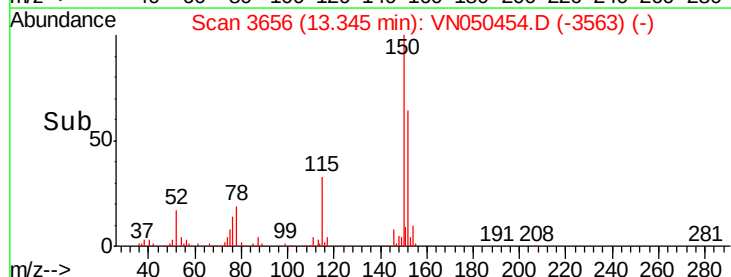
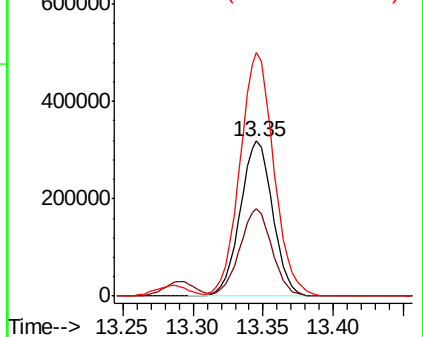
152 100

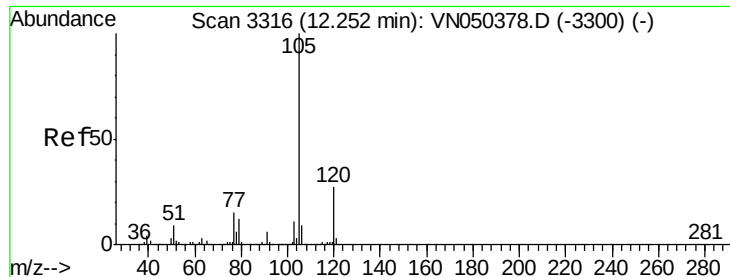
115 55.7 27.8 83.3

150 163.2 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.25 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

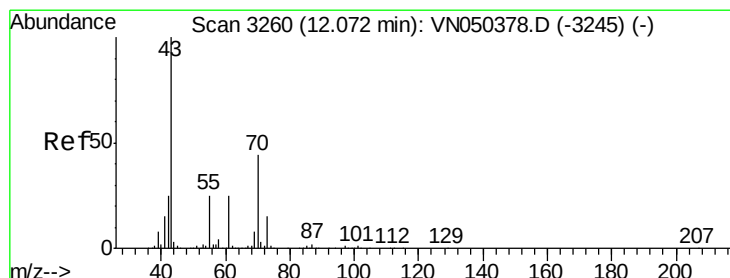
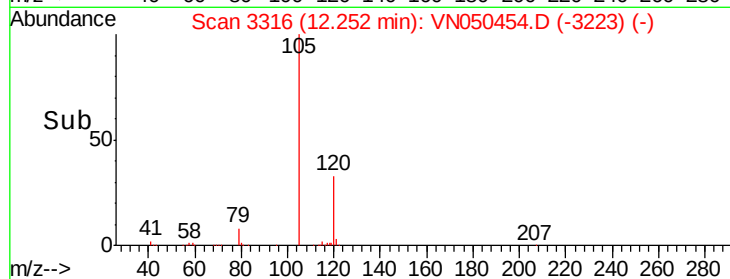
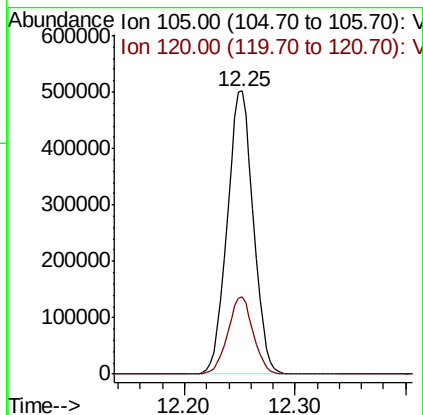
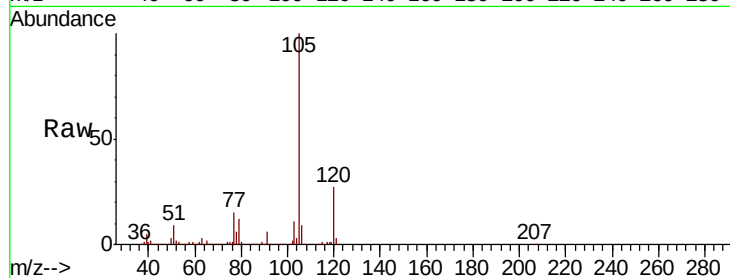
VN0808WBS01

Tot Ion:105 Resp: 821633

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 17.86 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Tgt Ion: 43 Resp: 223932

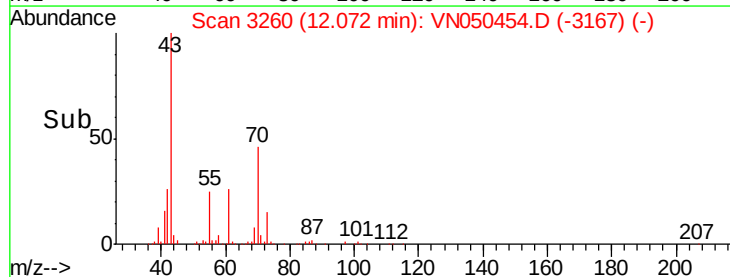
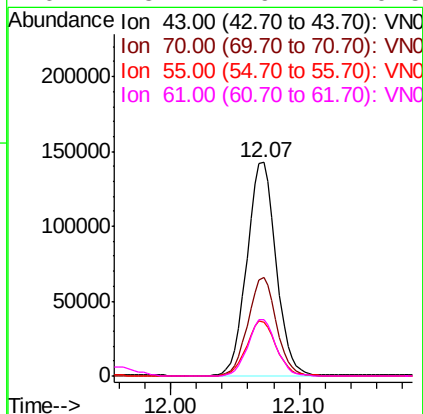
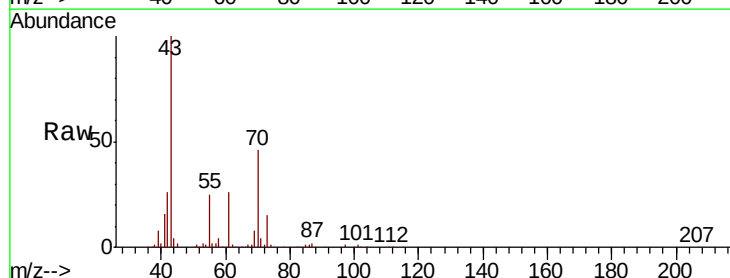
Ion Ratio Lower Upper

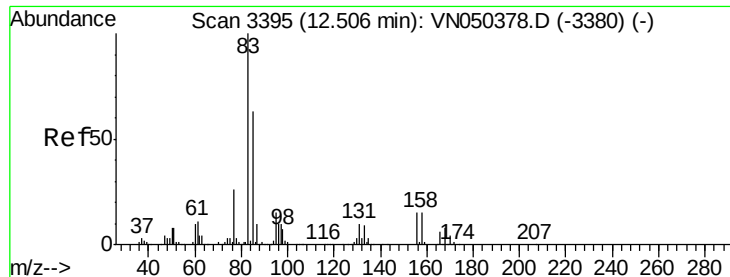
43 100

70 45.4 34.4 51.6

55 26.0 20.8 31.2

61 25.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.11 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBS01

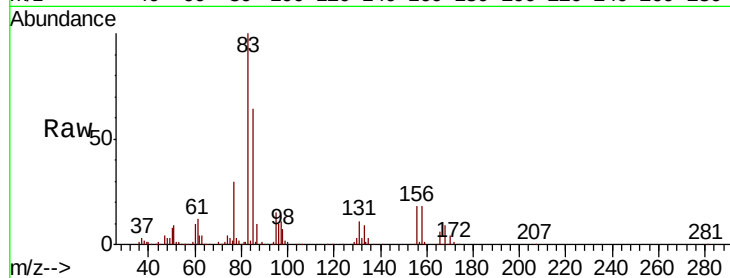
Tot Ion: 83 Resp: 202104

Ion Ratio Lower Upper

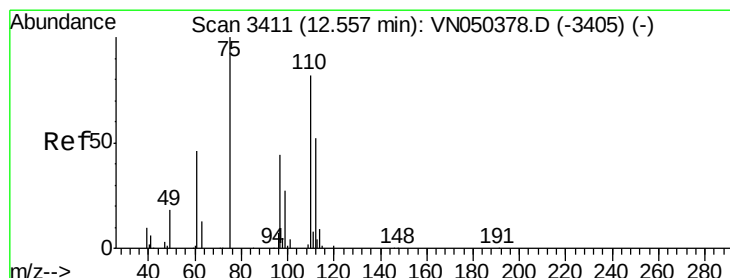
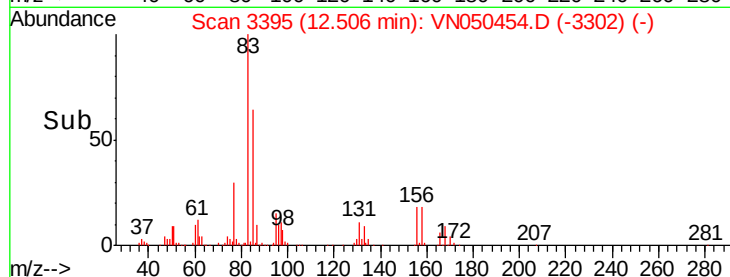
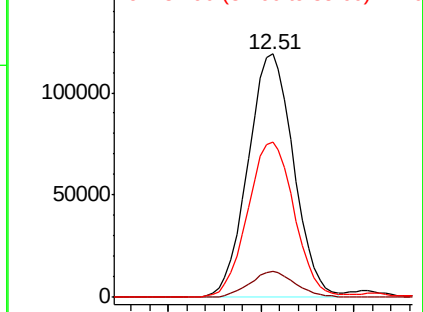
83 100

131 10.8 5.1 15.3

85 65.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.14 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050454.D

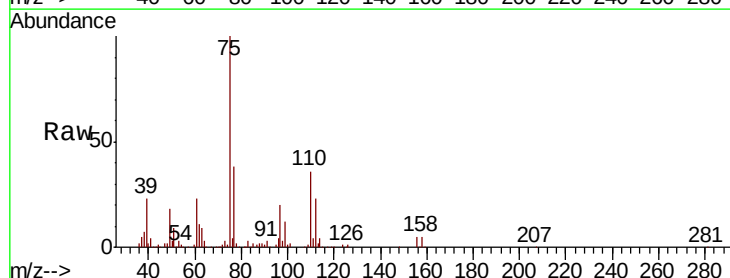
Acq: 8 Aug 2018 13:11

Tgt Ion: 75 Resp: 243754

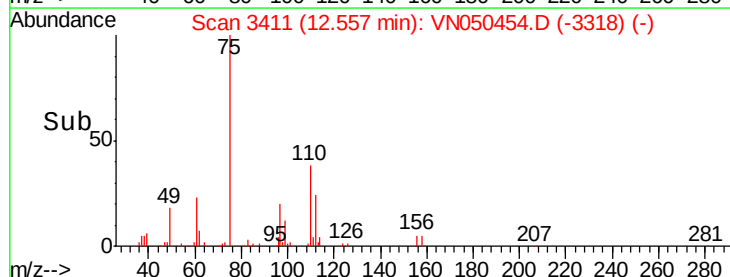
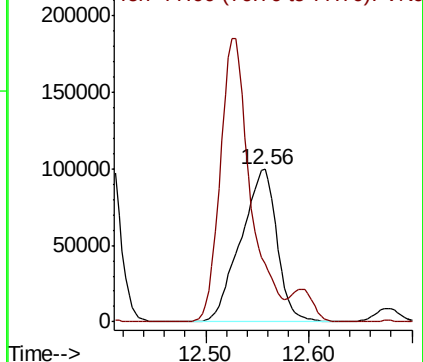
Ion Ratio Lower Upper

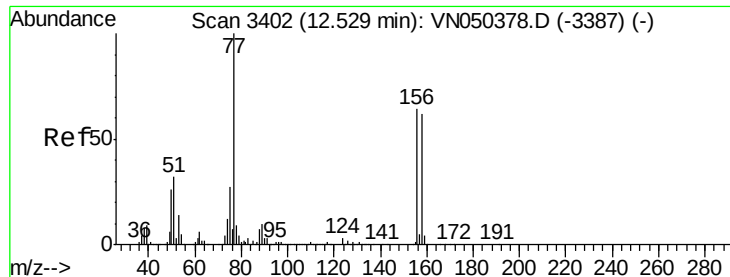
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.43 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0808WBS01

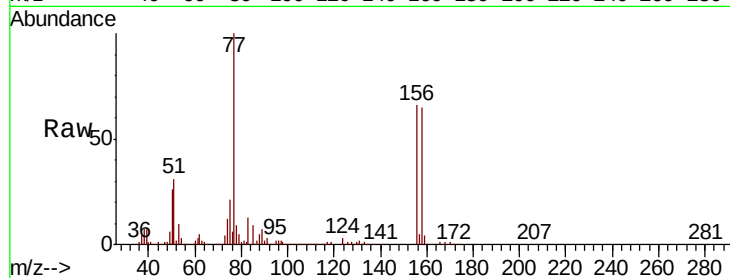
Tot Ion:156 Resp: 211655

Ion Ratio Lower Upper

156 100

77 178.7 91.7 275.1

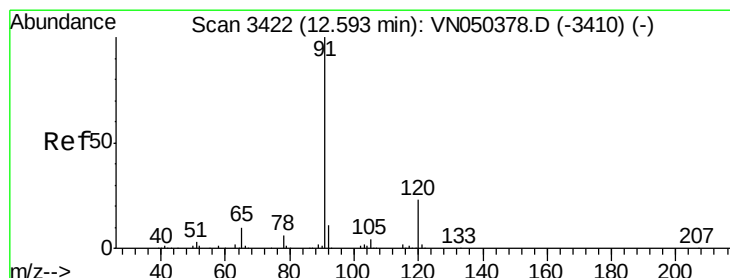
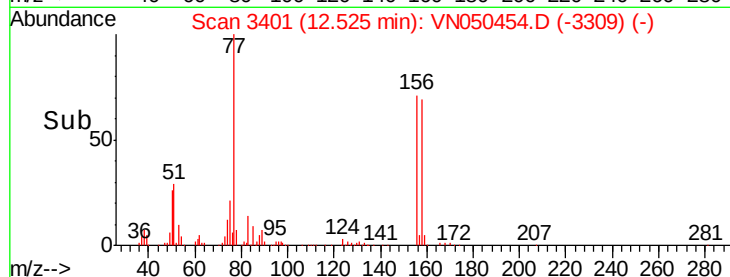
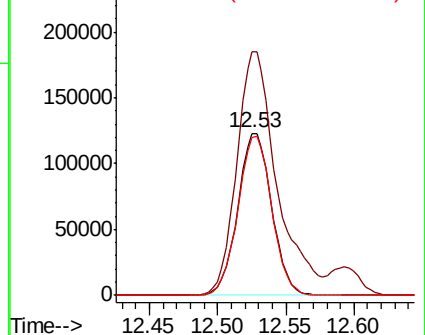
158 98.4 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.49 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050454.D

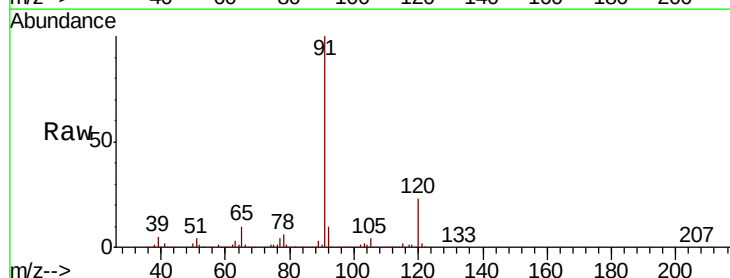
Acq: 8 Aug 2018 13:11

Tgt Ion: 91 Resp: 897007

Ion Ratio Lower Upper

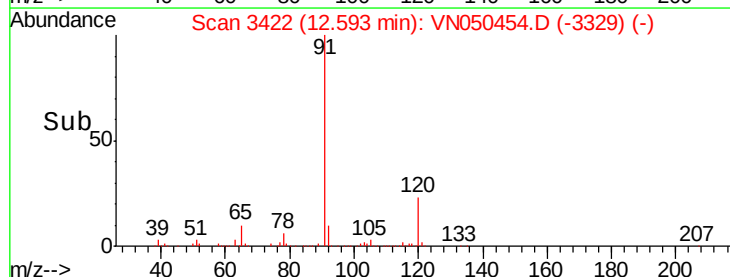
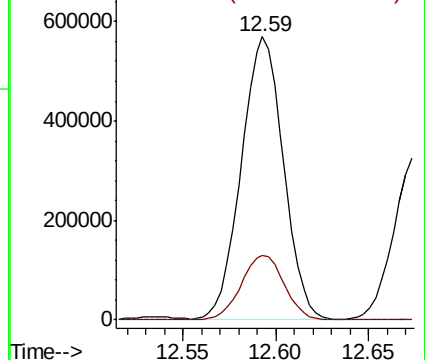
91 100

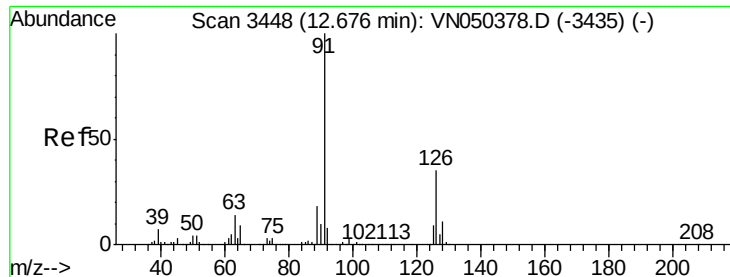
120 23.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.71 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

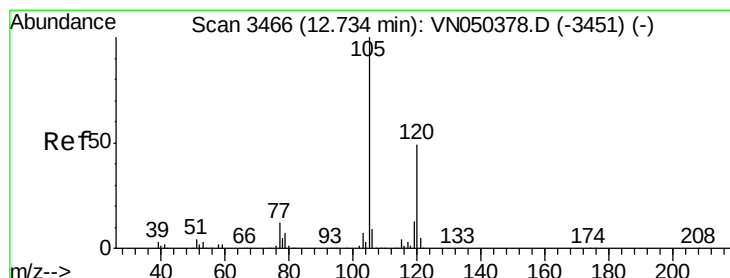
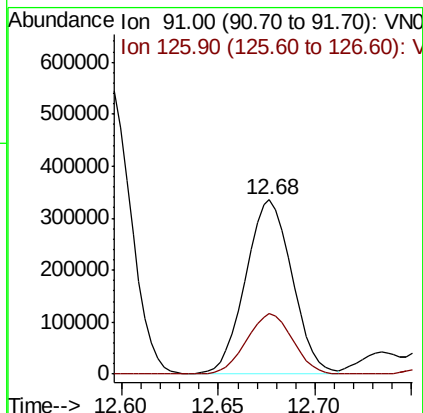
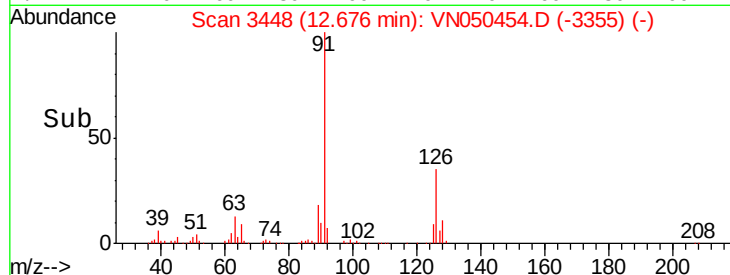
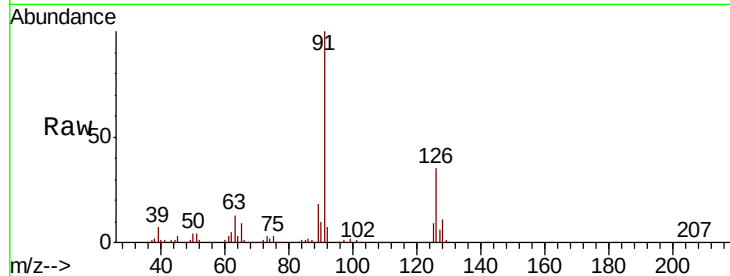
VN0808WBS01

Tot Ion: 91 Resp: 559759

Ion Ratio Lower Upper

91 100

126 34.6 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.09 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050454.D

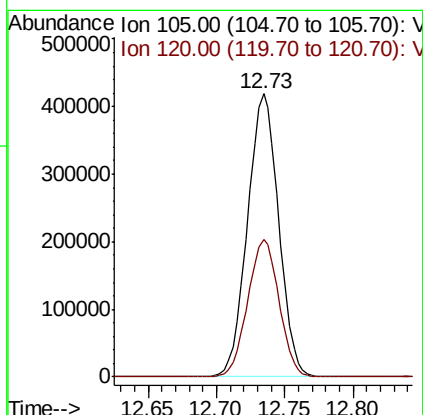
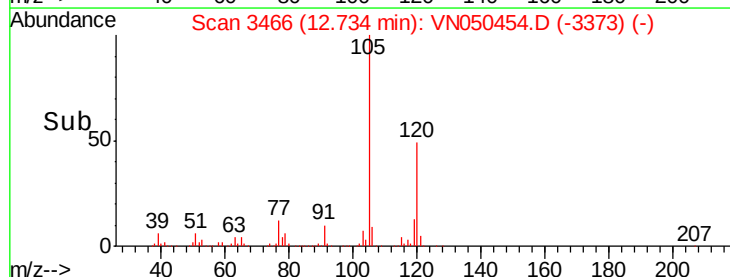
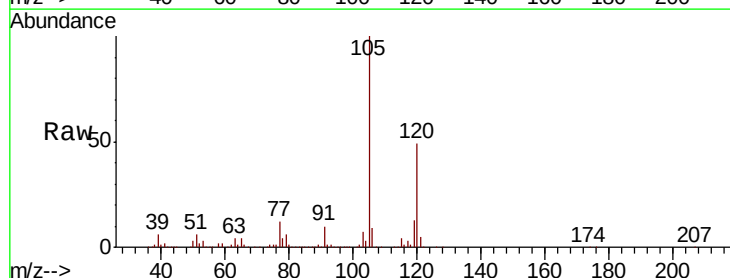
Acq: 8 Aug 2018 13:11

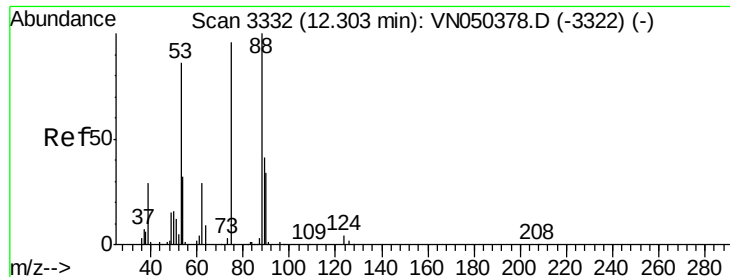
Tgt Ion: 105 Resp: 661909

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.61 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBS01

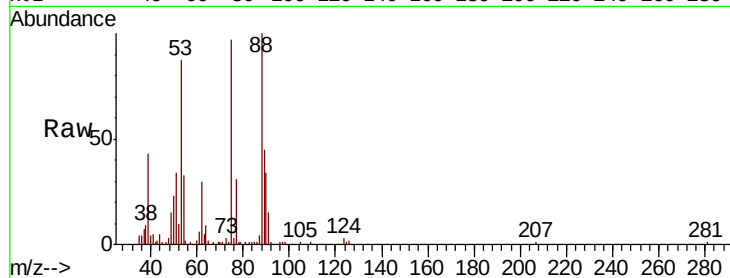
Tot Ion: 75 Resp: 49397

Ion Ratio Lower Upper

75 100

53 93.0 73.5 110.3

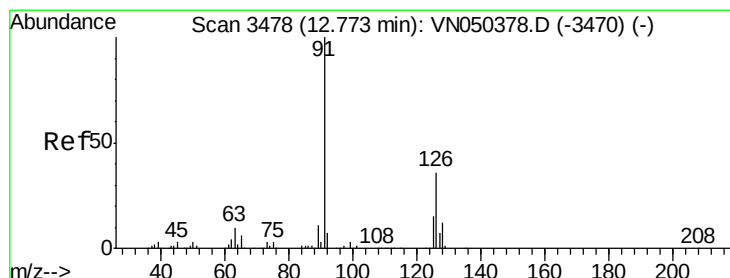
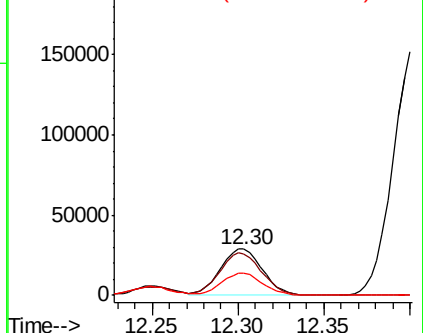
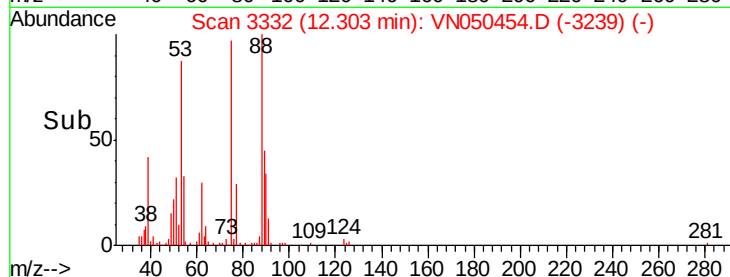
89 46.3 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.25 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050454.D

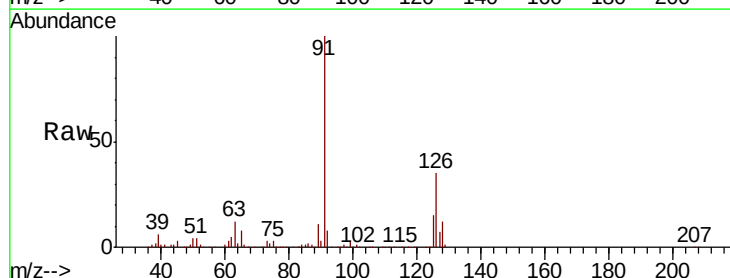
Acq: 8 Aug 2018 13:11

Tgt Ion: 91 Resp: 545854

Ion Ratio Lower Upper

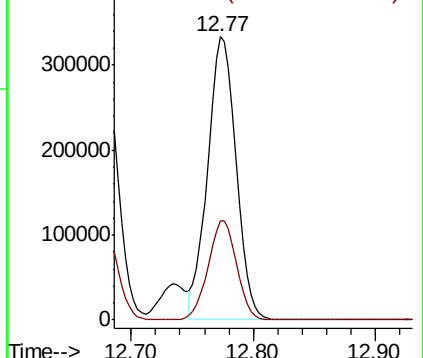
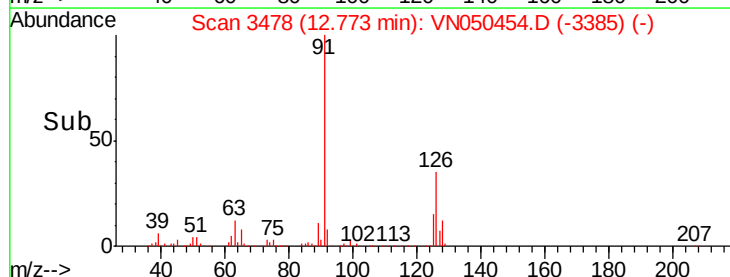
91 100

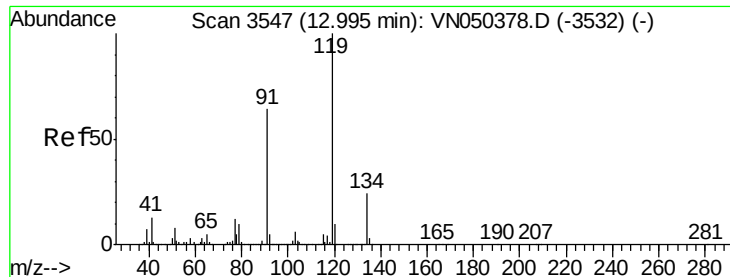
126 35.2 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

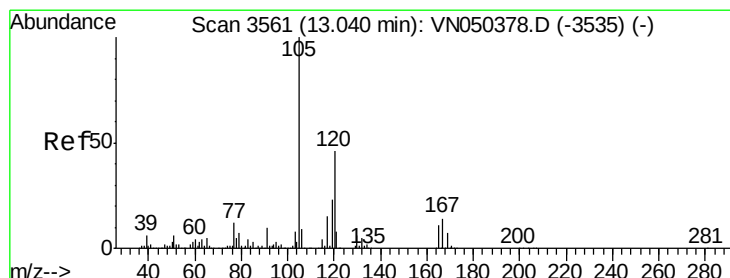
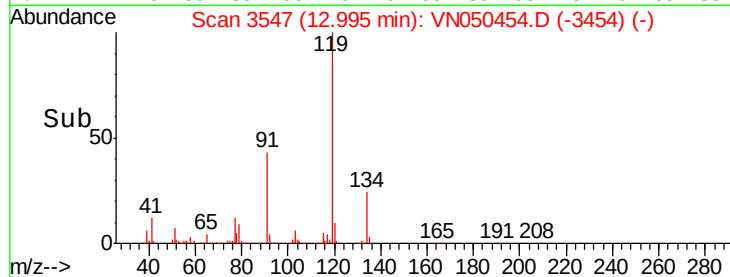
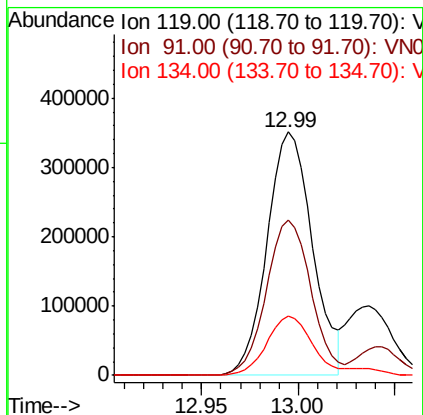
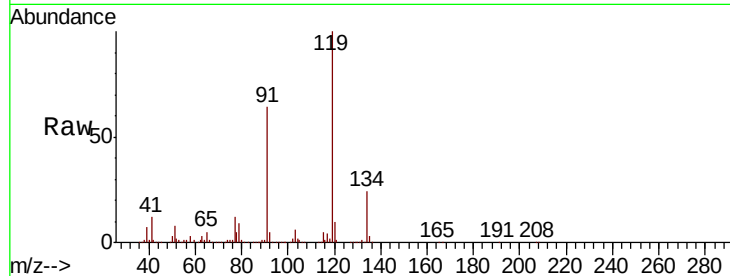




#83
 tert-Butylbenzene
 Concen: 20.98 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

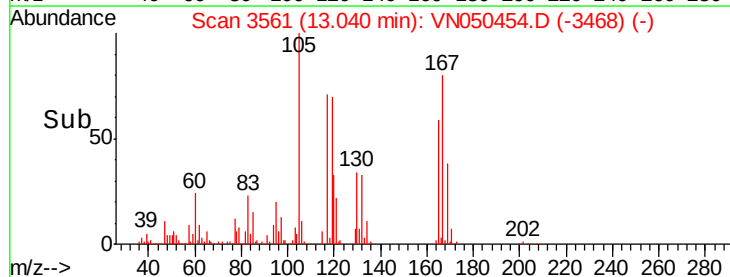
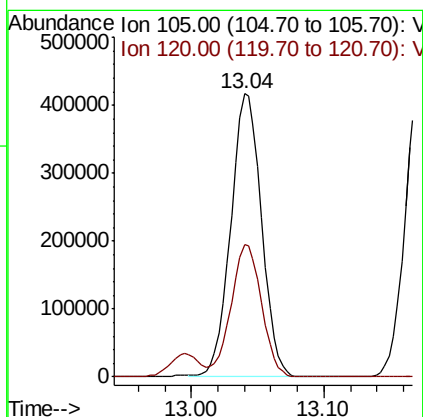
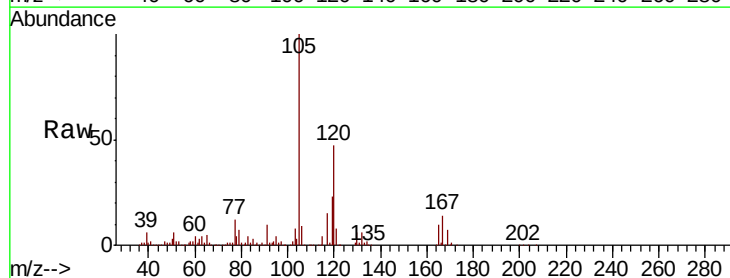
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

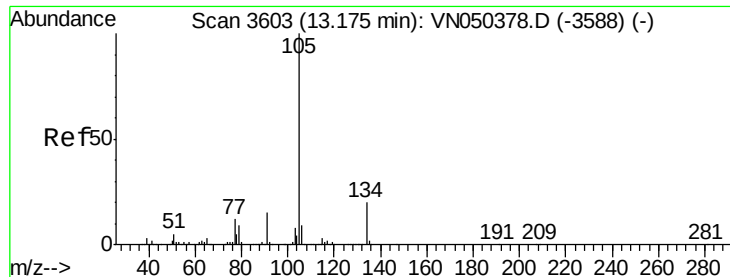
Tot Ion:119 Resp: 574669
 Ion Ratio Lower Upper
 119 100
 91 62.6 32.1 96.3
 134 24.1 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.03 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion:105 Resp: 668914
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 19.91 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

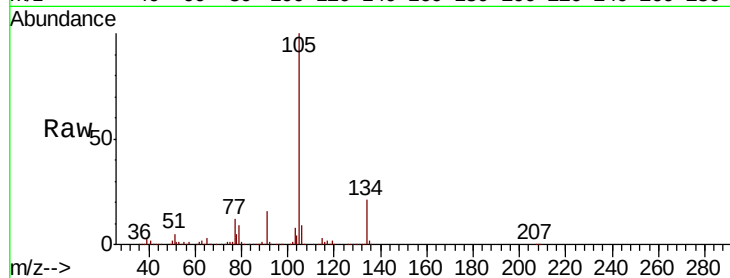
VN0808WBS01

Tot Ion:105 Resp: 726741

Ion Ratio Lower Upper

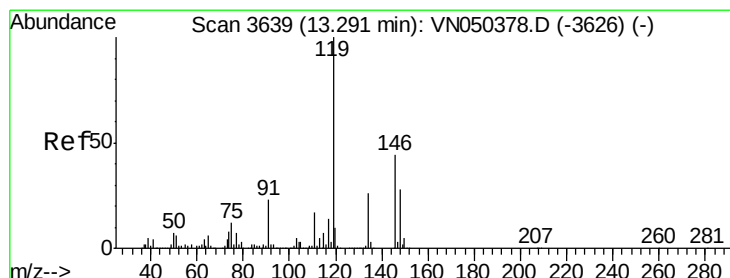
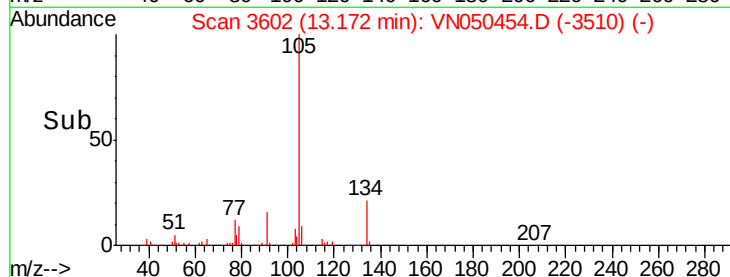
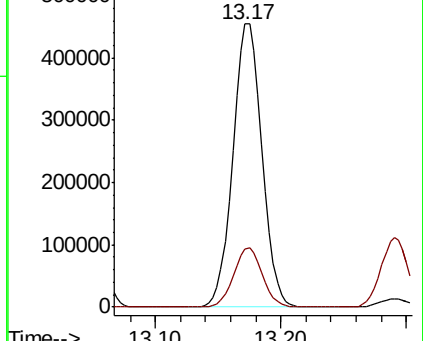
105 100

134 20.7 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.35 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

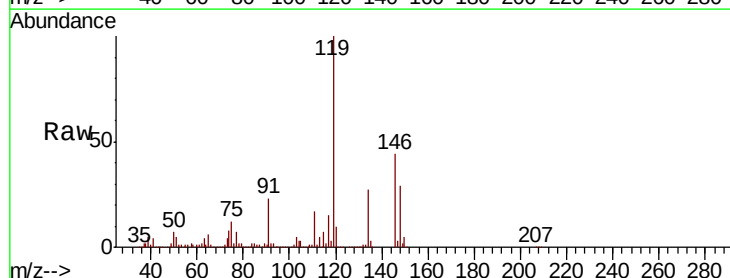
Tgt Ion:119 Resp: 636696

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

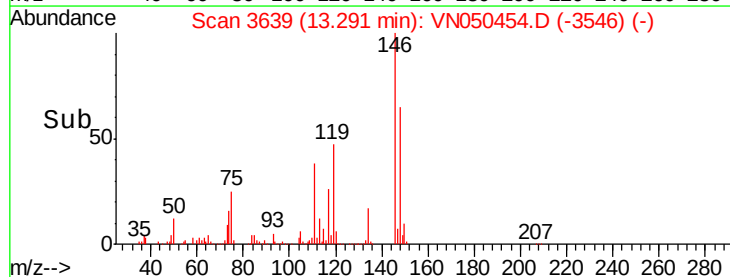
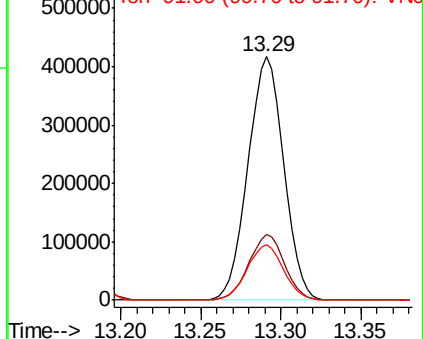
91 22.9 11.4 34.2

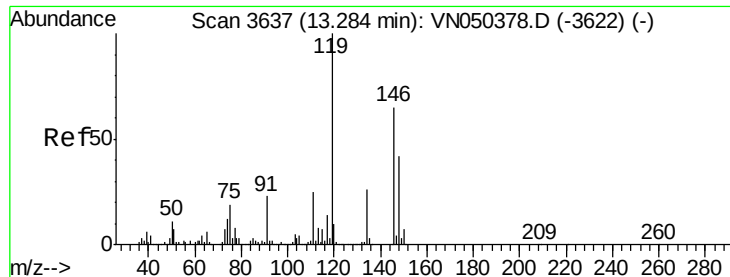


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

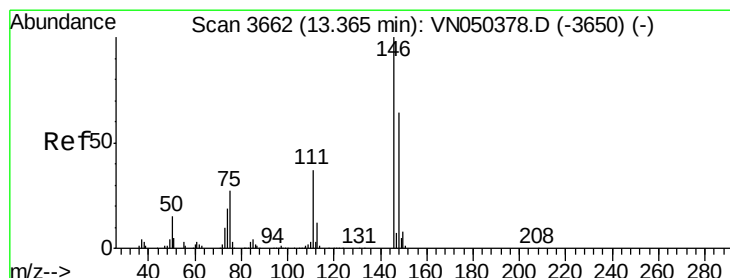
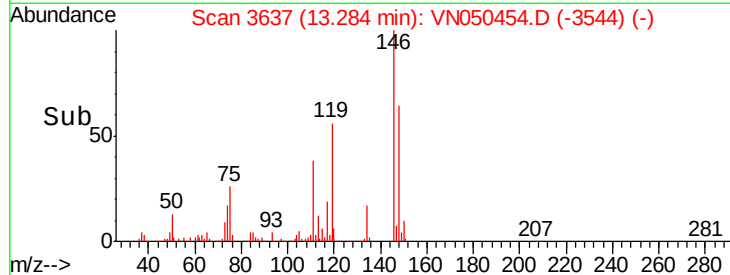
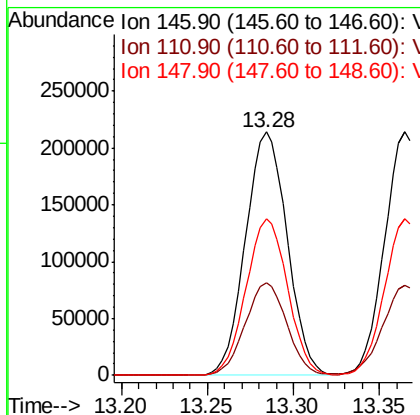
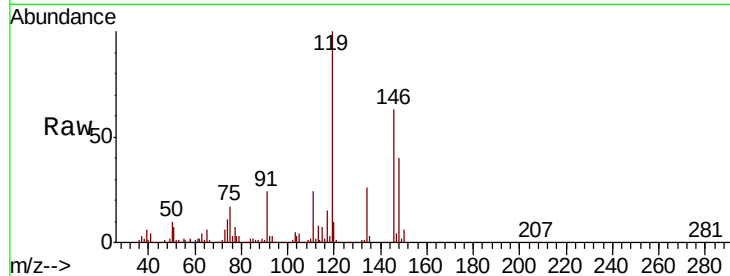




#87
 1,3-Dichlorobenzene
 Concen: 19.52 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

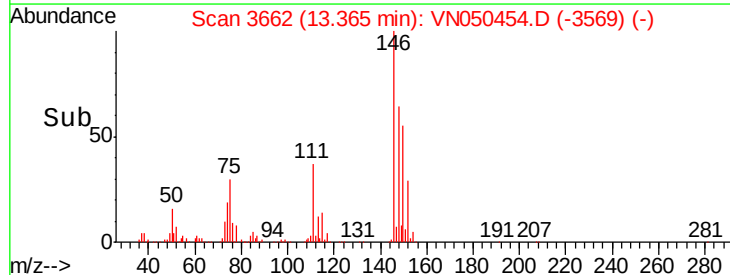
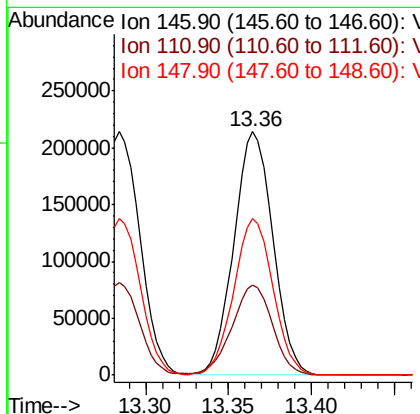
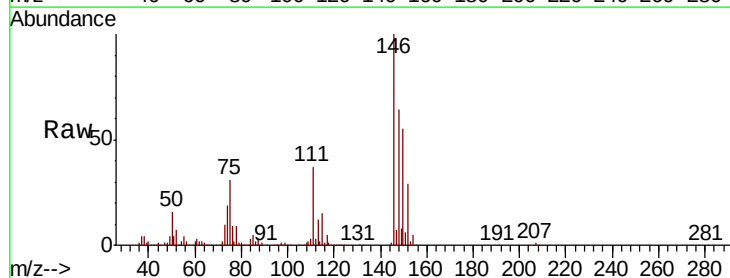
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

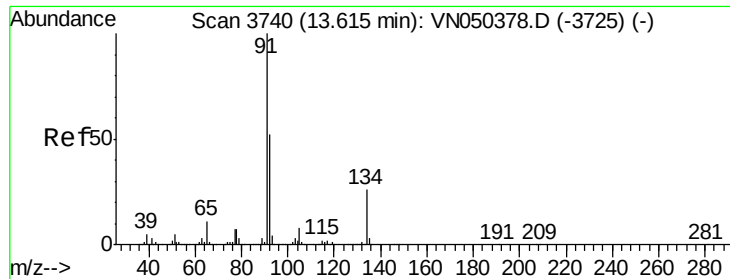
Tot Ion:146 Resp: 360243
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.8 56.4
 148 63.8 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.05 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion:146 Resp: 351056
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.3 54.9
 148 64.7 31.9 95.9

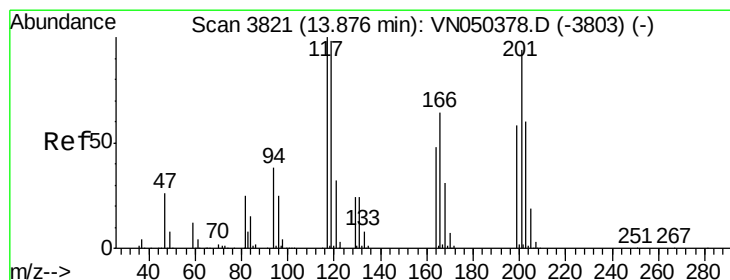
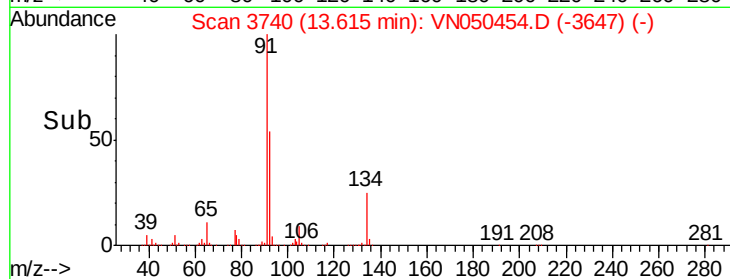
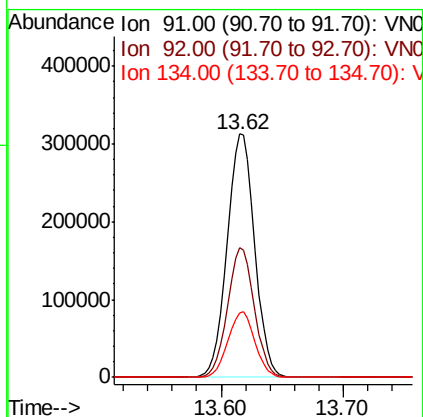
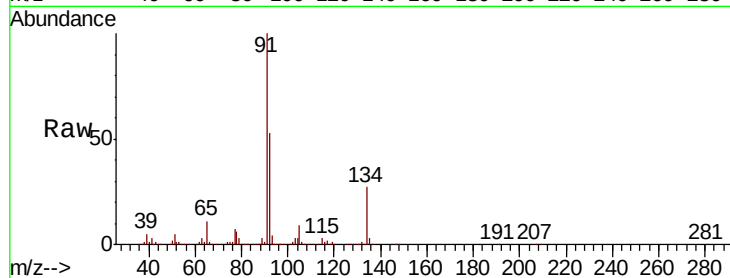




#89
n-Butylbenzene
Concen: 18.51 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

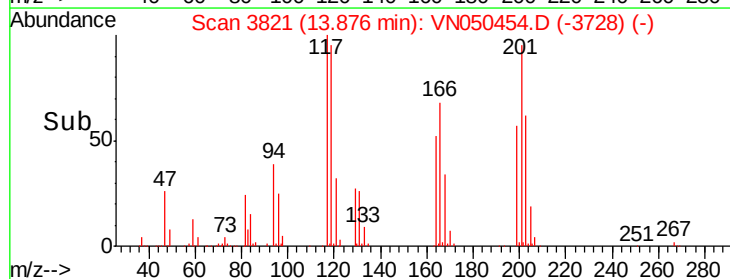
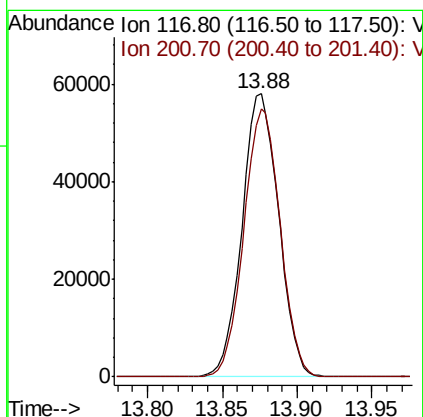
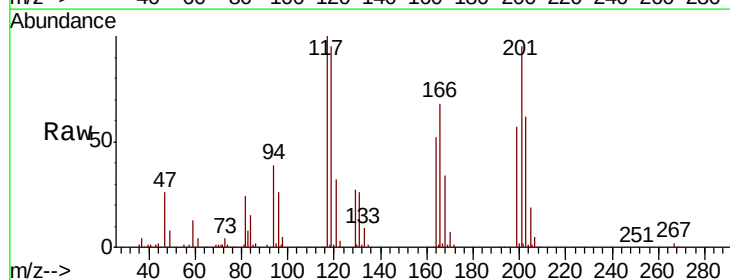
Instrument :
MSVOA_N
ClientSampled :
VN0808WBS01

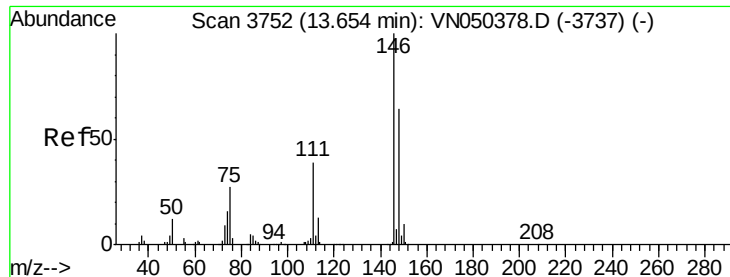
Tot Ion: 91 Resp: 492861
Ion Ratio Lower Upper
91 100
92 52.0 25.8 77.4
134 26.5 12.8 38.4



#90
Hexachloroethane
Concen: 17.80 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion: 117 Resp: 99002
Ion Ratio Lower Upper
117 100
201 93.6 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 19.20 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0808WBS01

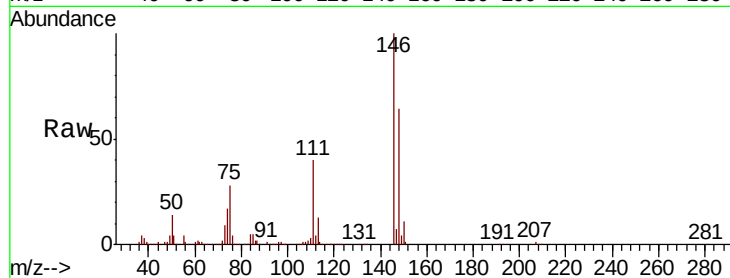
Tot Ion:146 Resp: 355045

Ion Ratio Lower Upper

146 100

111 39.0 19.6 58.7

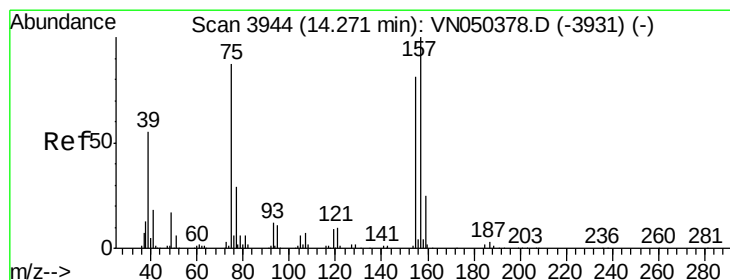
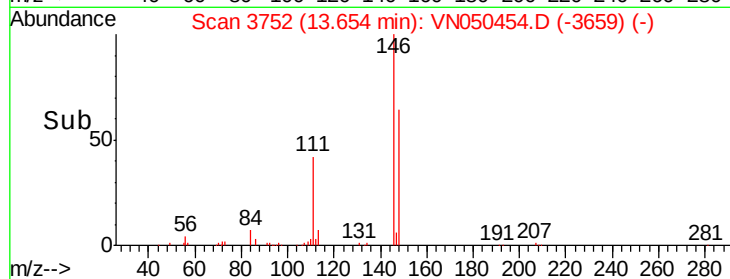
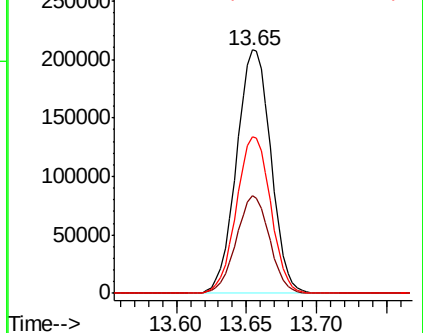
148 64.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.77 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

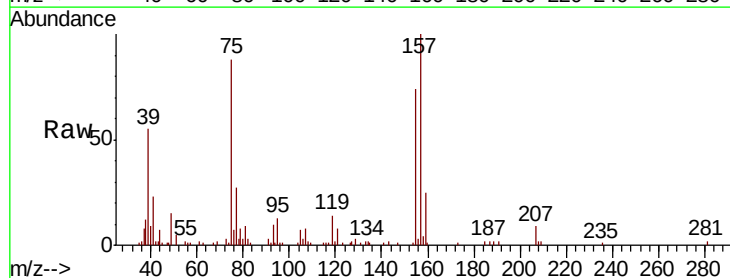
Tgt Ion: 75 Resp: 31761

Ion Ratio Lower Upper

75 100

155 88.3 44.8 134.4

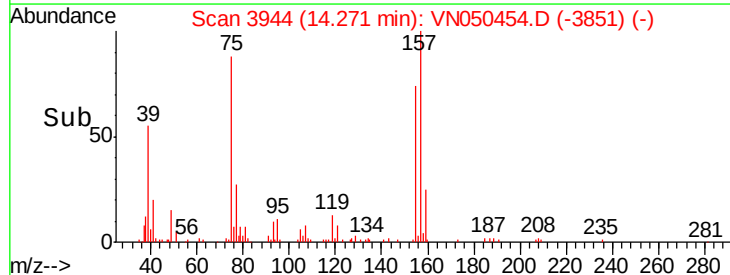
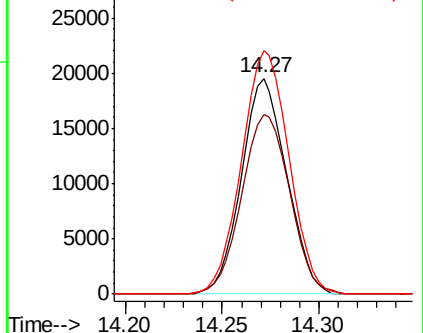
157 118.5 57.2 171.6

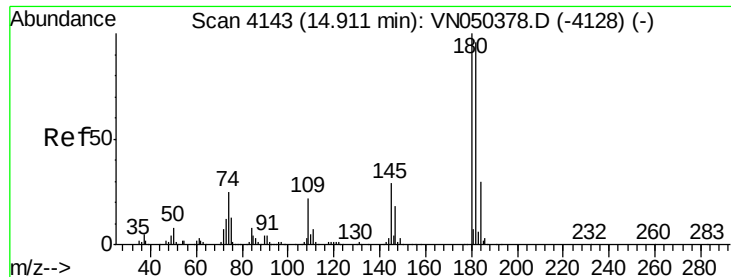


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.50 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0808WBS01

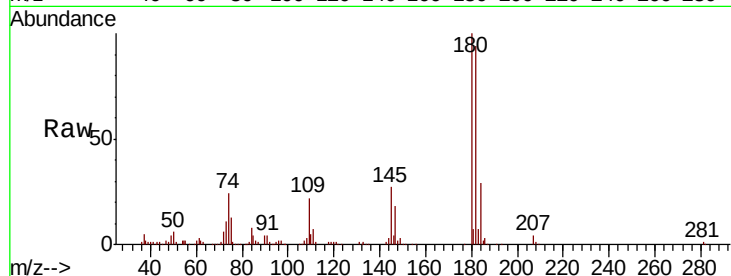
Tot Ion:180 Resp: 174327

Ion Ratio Lower Upper

180 100

182 94.4 46.7 140.1

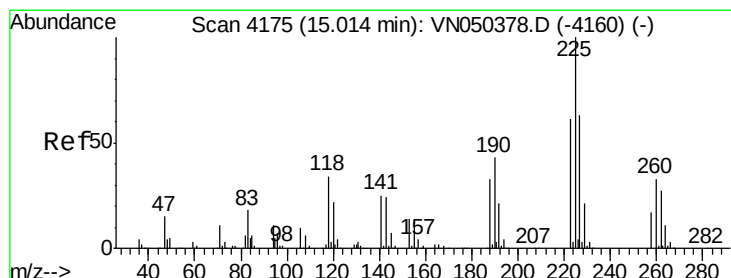
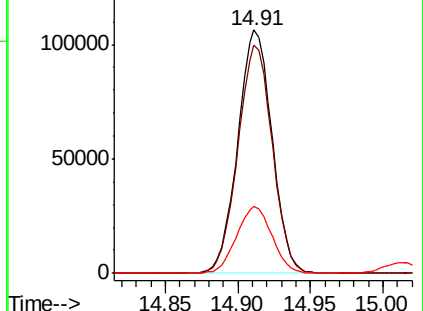
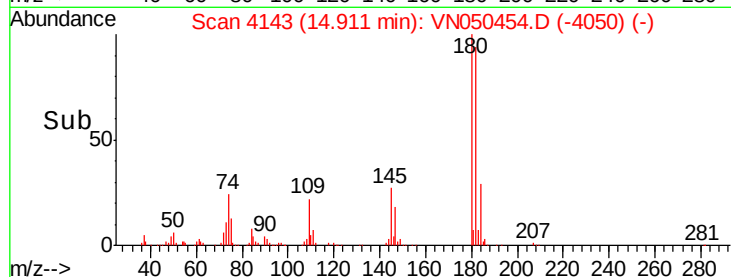
145 28.5 13.8 41.4



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: 19.20 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

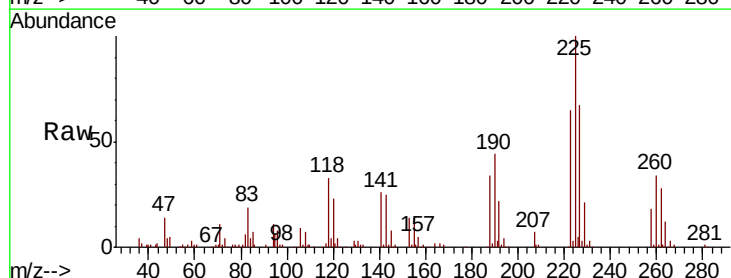
Tgt Ion:225 Resp: 104037

Ion Ratio Lower Upper

225 100

223 64.2 31.4 94.2

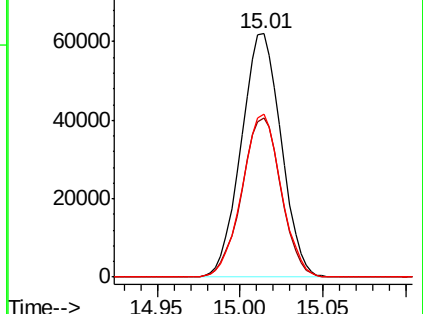
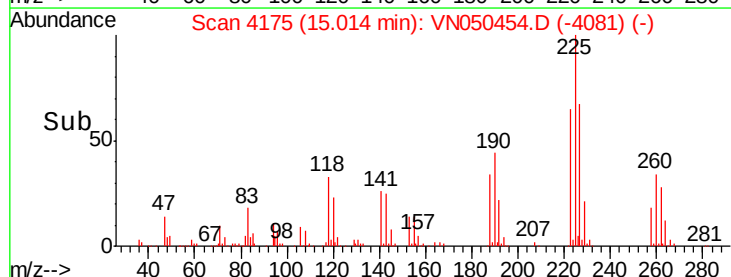
227 65.1 32.1 96.5

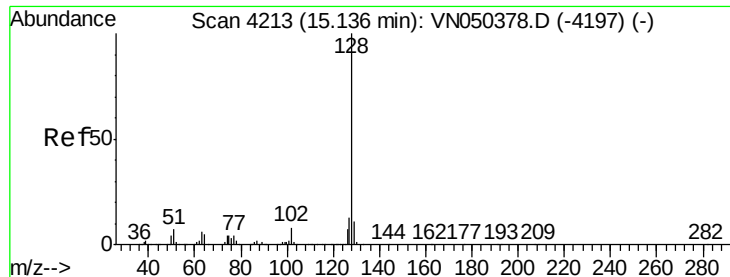


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.52 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBS01

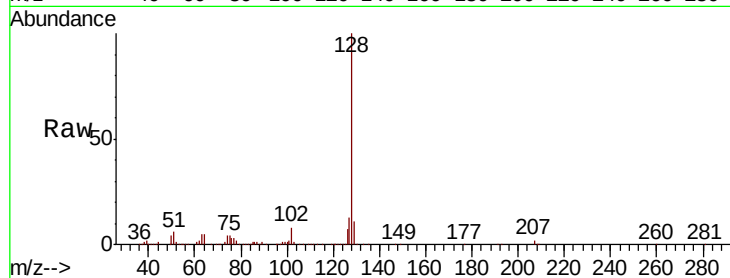
Tot Ion:128 Resp: 400576

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.7 8.8 13.2

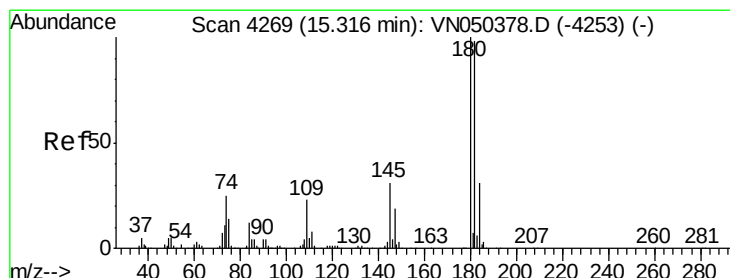
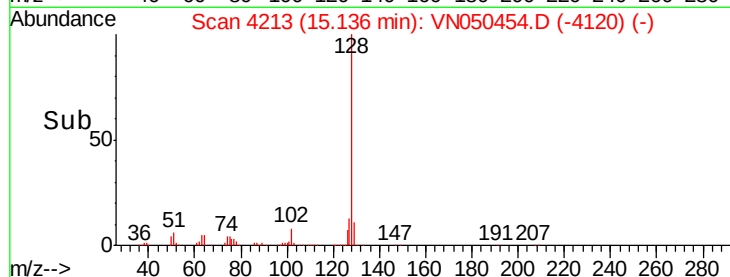
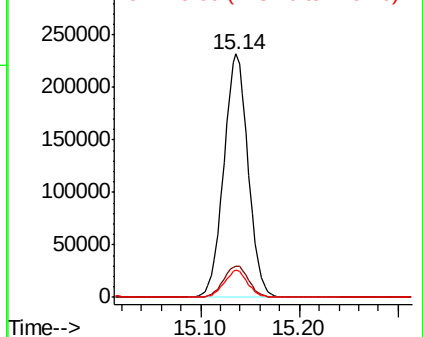


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.23 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

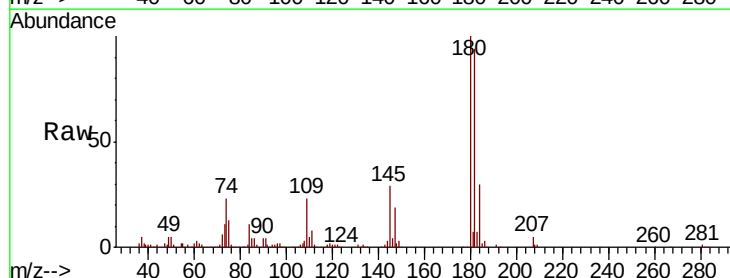
Tgt Ion:180 Resp: 173672

Ion Ratio Lower Upper

180 100

182 93.4 48.1 144.4

145 29.9 15.3 45.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

