

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
 Data File : VN050357.D
 Acq On : 4 Aug 2018 11:11
 Operator : MD\SY
 Sample : VN0804WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBS01

Quant Time: Aug 06 01:34:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	631716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	923990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	847975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	454447	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	433244	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
35) Dibromofluoromethane	7.59	113	381060	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.09	98	1426829	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.40	95	489886	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	165049	18.18	ug/l	100
3) Chloromethane	2.06	50	161481	16.37	ug/l	98
4) Vinyl Chloride	2.18	62	175153	16.86	ug/l	100
5) Bromomethane	2.56	94	92317	15.30	ug/l	99
6) Chloroethane	2.70	64	105285	16.87	ug/l	97
7) Trichlorofluoromethane	3.01	101	240655	17.88	ug/l	99
8) Diethyl Ether	3.41	74	85903	19.14	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154416	19.08	ug/l	98
10) Methyl Iodide	3.95	142	73327	7.06	ug/l	98
11) Tert butyl alcohol	4.79	59	61139	94.28	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	130536	17.93	ug/l	98
13) Acrolein	3.61	56	82723	158.76	ug/l	97
14) Allyl chloride	4.32	41	207412	18.37	ug/l	98
15) Acrylonitrile	4.99	53	266226	94.09	ug/l	100
16) Acetone	3.82	43	183874	85.71	ug/l	98
17) Carbon Disulfide	4.05	76	334252	14.99	ug/l	98
18) Methyl Acetate	4.33	43	193118	23.04	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	379605	19.56	ug/l	99
20) Methylene Chloride	4.55	84	159424	19.64	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	138119	17.90	ug/l	97
22) Diisopropyl ether	5.95	45	460591	20.58	ug/l	98
23) Vinyl Acetate	5.90	43	1386308	87.63	ug/l	99
24) 1,1-Dichloroethane	5.85	63	277452	18.95	ug/l	100
25) 2-Butanone	6.84	43	302949	90.11	ug/l	99
26) 2,2-Dichloropropane	6.82	77	232138	20.85	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	157952	19.02	ug/l	97
28) Bromochloromethane	7.20	49	139738	20.93	ug/l	99
29) Tetrahydrofuran	7.22	42	200516	92.30	ug/l	99
30) Chloroform	7.37	83	284936	19.07	ug/l	97
31) Cyclohexane	7.66	56	215927	17.74	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	237064	18.55	ug/l	100
36) 1,1-Dichloropropene	7.79	75	198065	19.03	ug/l	99
37) Ethyl Acetate	6.93	43	131648	18.14	ug/l	99
38) Carbon Tetrachloride	7.77	117	205877	18.64	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	202475	18.91	ug/l	98
40) Benzene	8.04	78	619561	19.56	ug/l	100
41) Methacrylonitrile	7.18	41	70698	20.42	ug/l	85
42) 1,2-Dichloroethane	8.12	62	204322	19.33	ug/l	99
43) Isopropyl Acetate	8.17	43	265088	18.67	ug/l	98
44) Trichloroethene	8.84	130	160981	18.91	ug/l	99
45) 1,2-Dichloropropane	9.12	63	168283	20.06	ug/l	97
46) Dibromomethane	9.21	93	101038	19.39	ug/l	99
47) Bromodichloromethane	9.40	83	213775	19.44	ug/l	98
48) Methyl methacrylate	9.20	41	123235	19.72	ug/l	99
49) 1,4-Dioxane	9.20	88	34642	407.24	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	717184	100.52	ug/l	100
52) Toluene	10.16	92	380730	20.36	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	211873	20.42	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	242925	20.49	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	151315	20.40	ug/l	99
56) Ethyl methacrylate	10.43	69	178435	19.07	ug/l	99
57) 1,3-Dichloropropane	10.71	76	247297	20.48	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	448303	100.78	ug/l	99
59) 2-Hexanone	10.75	43	491323	96.95	ug/l	99
60) Dibromochloromethane	10.90	129	164894	20.08	ug/l	99
61) 1,2-Dibromoethane	11.01	107	143448	19.49	ug/l	98
64) Tetrachloroethene	10.63	164	154277	18.92	ug/l	99
65) Chlorobenzene	11.44	112	425489	19.86	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	161360	19.61	ug/l	99
67) Ethyl Benzene	11.51	91	690801	20.08	ug/l	100
68) m/p-Xylenes	11.62	106	543833	41.79	ug/l	100
69) o-Xylene	11.95	106	258971	20.87	ug/l	99
70) Styrene	11.97	104	423235	19.75	ug/l	99
71) Bromoform	12.13	173	115259	19.25	ug/l #	99
73) Isopropylbenzene	12.25	105	693320	19.67	ug/l	99
74) N-amyl acetate	12.07	43	201798	18.73	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	195186	19.66	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	232771	27.56	ug/l #	100
77) Bromobenzene	12.53	156	184358	18.87	ug/l	99
78) n-propylbenzene	12.59	91	810231	20.57	ug/l	100
79) 2-Chlorotoluene	12.68	91	493932	20.23	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	586776	21.17	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	49238	18.49	ug/l	95
82) 4-Chlorotoluene	12.77	91	493930	20.43	ug/l	99
83) tert-Butylbenzene	12.99	119	503684	20.82	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	603111	21.58	ug/l	99
85) sec-Butylbenzene	13.17	105	685616	21.21	ug/l	99
86) p-Isopropyltoluene	13.29	119	593308	21.78	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	332009	20.05	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	325529	20.17	ug/l	98
89) n-Butylbenzene	13.62	91	479991	21.43	ug/l	99
90) Hexachloroethane	13.88	117	100909	16.68	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	326563	19.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29951	18.56	ug/l	99

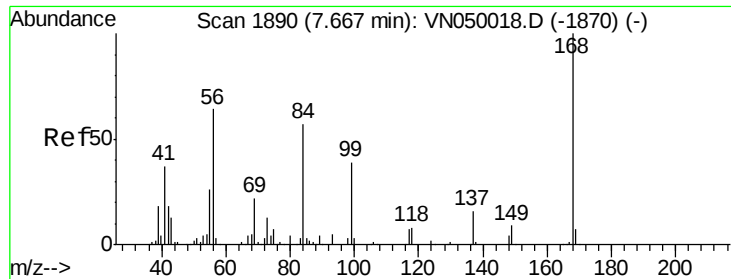
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	167947	21.04	ug/l	99
94) Hexachlorobutadiene	15.01	225	106654	21.05	ug/l	99
95) Naphthalene	15.14	128	360188	20.24	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	166182	20.78	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

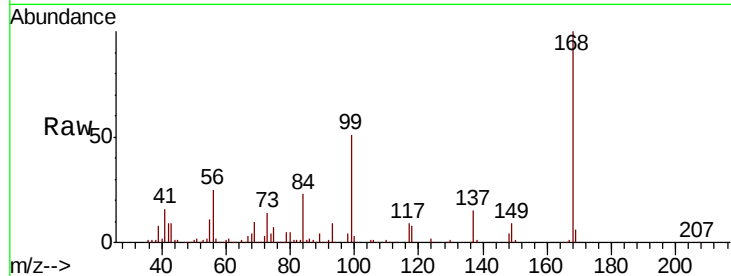
VN0804WBS01

Tot Ion:168 Resp: 631716

Ion Ratio Lower Upper

168 100

99 50.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

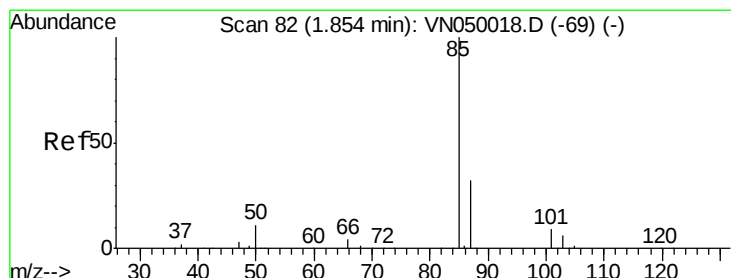
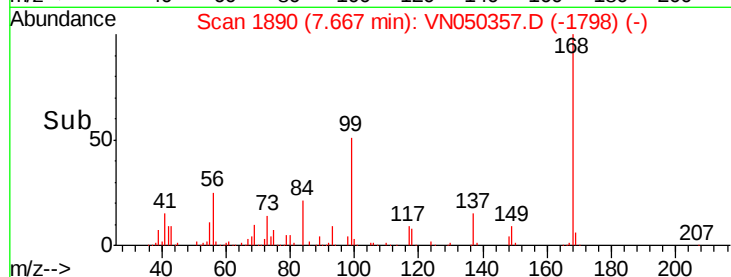
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.18 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050357.D

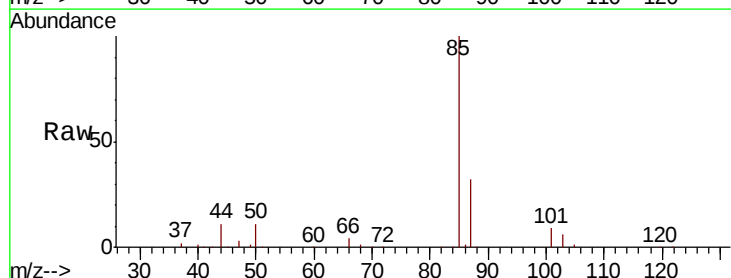
Acq: 4 Aug 2018 11:11

Tgt Ion: 85 Resp: 165049

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

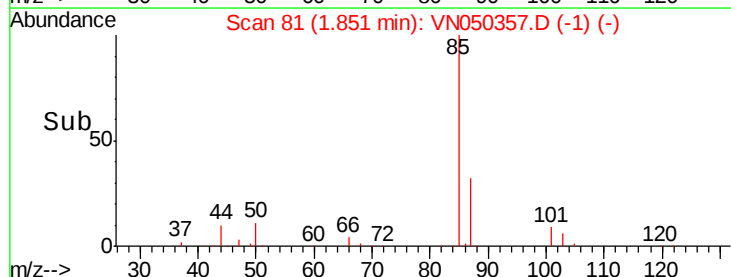
1.85

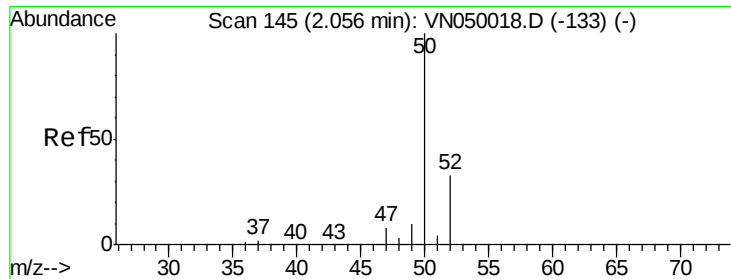
100000

50000

0

Time-->





#3

Chloromethane

Concen: 16.37 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

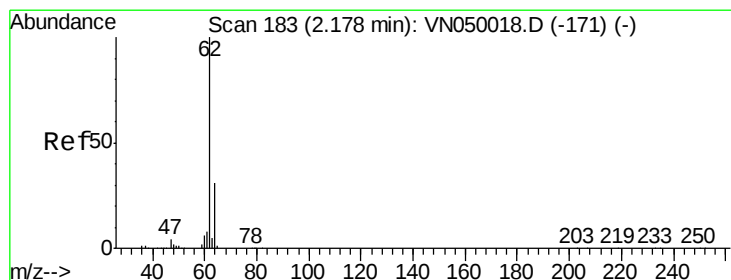
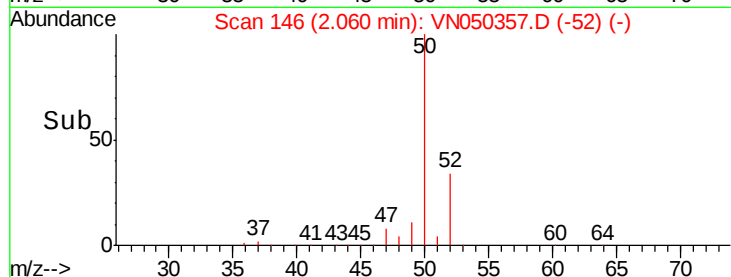
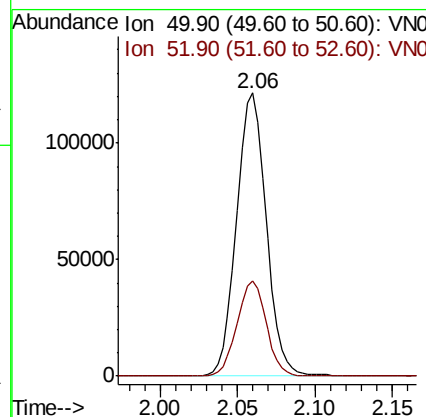
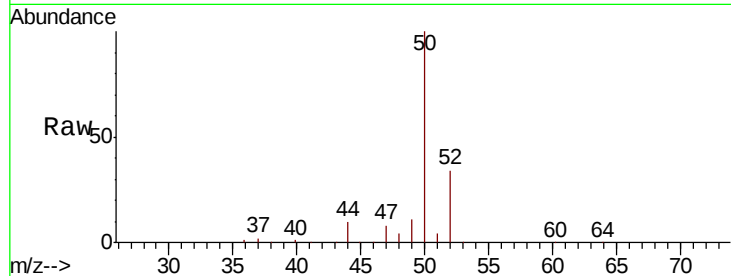
VN0804WBS01

Tot Ion: 50 Resp: 161481

Ion Ratio Lower Upper

50 100

52 33.7 25.9 38.9



#4

Vinyl Chloride

Concen: 16.86 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050357.D

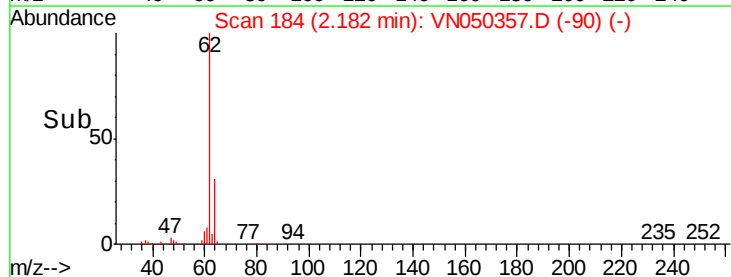
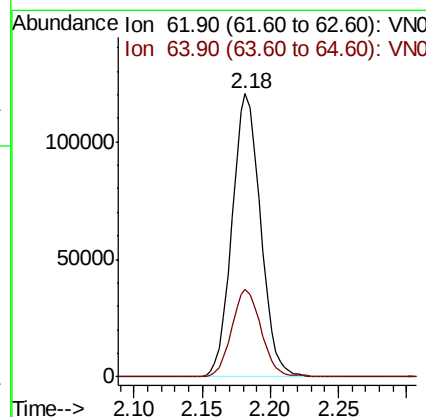
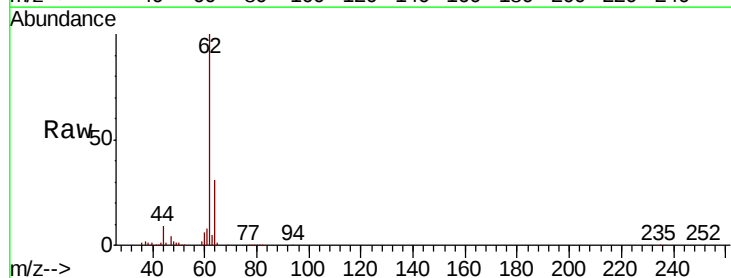
Acq: 4 Aug 2018 11:11

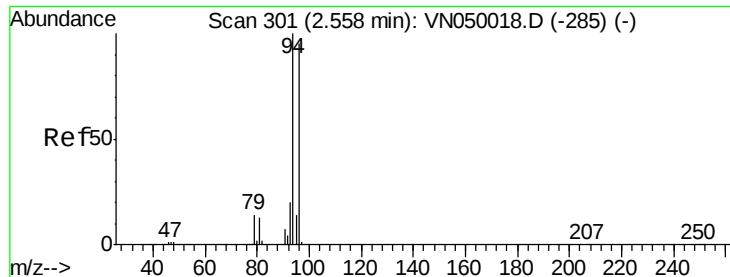
Tgt Ion: 62 Resp: 175153

Ion Ratio Lower Upper

62 100

64 30.8 24.7 37.1





#5

Bromomethane

Concen: 15.30 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

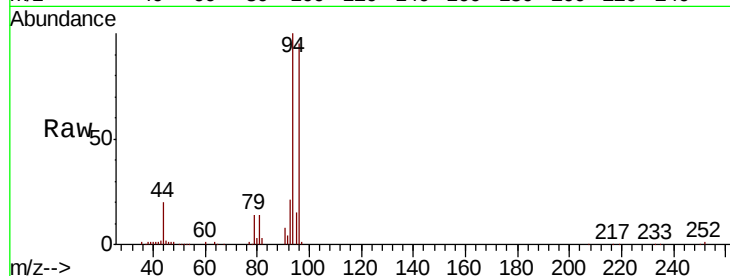
VN0804WBS01

Tot Ion: 94 Resp: 92317

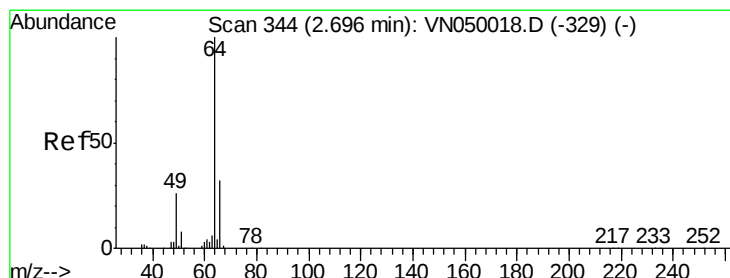
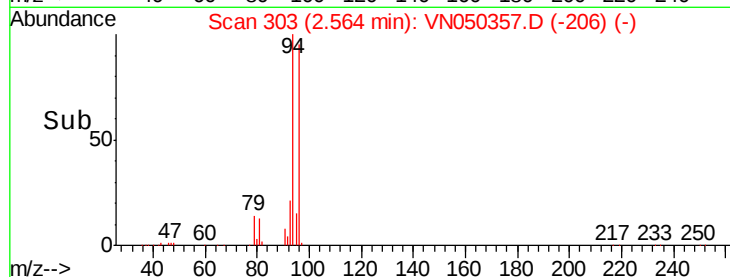
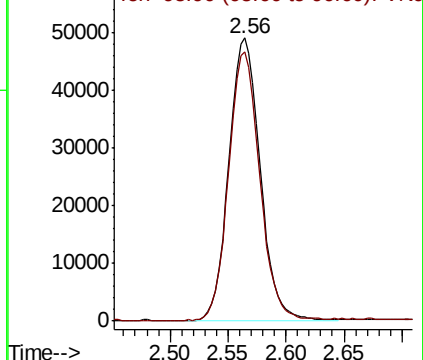
Ion Ratio Lower Upper

94 100

96 94.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 16.87 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050357.D

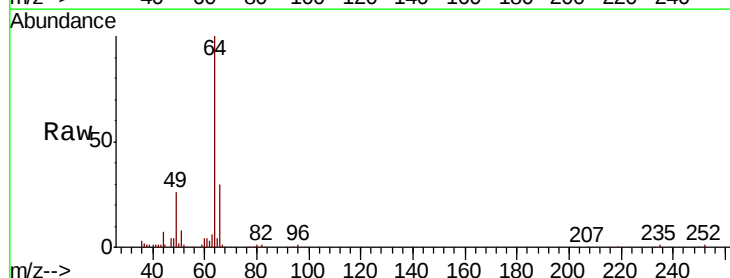
Acq: 4 Aug 2018 11:11

Tgt Ion: 64 Resp: 105285

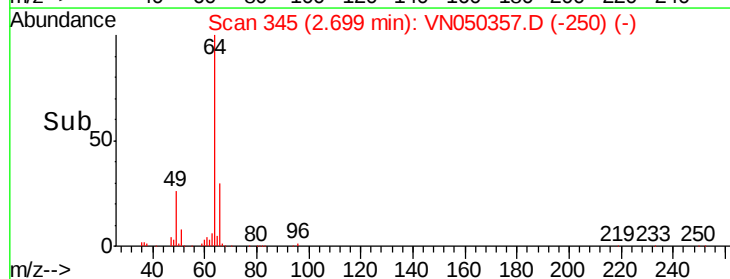
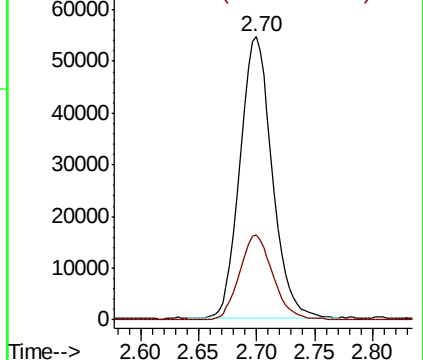
Ion Ratio Lower Upper

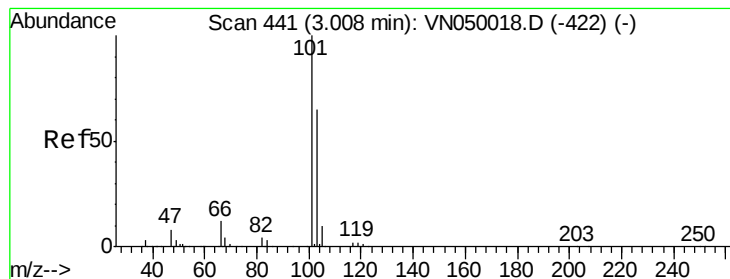
64 100

66 30.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

Trichlorofluoromethane

Concen: 17.88 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

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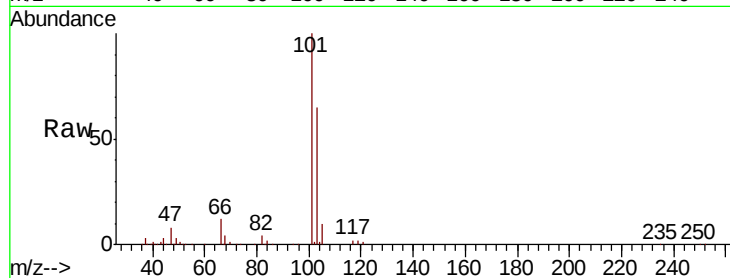
VN0804WBS01

Tot Ion:101 Resp: 240655

Ion Ratio Lower Upper

101 100

103 65.1 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

120000

100000

80000

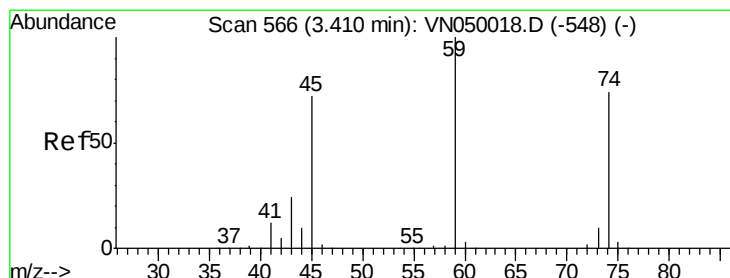
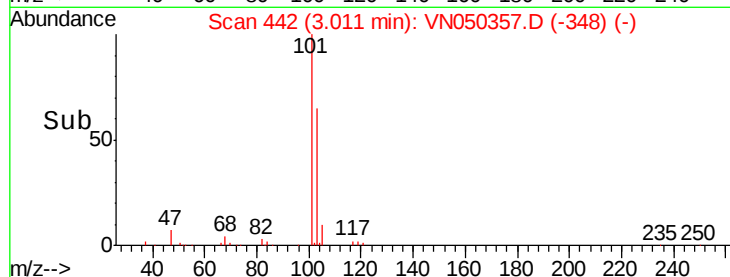
60000

40000

20000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 19.14 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050357.D

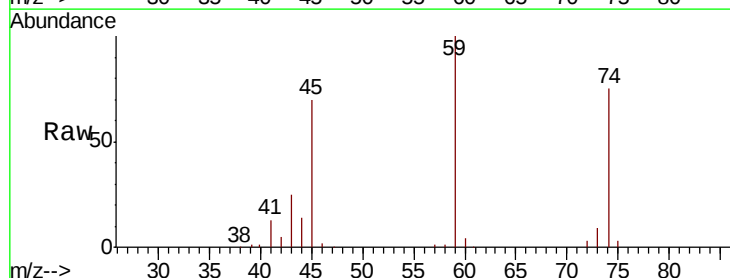
Acq: 4 Aug 2018 11:11

Tgt Ion: 74 Resp: 85903

Ion Ratio Lower Upper

74 100

45 94.7 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

40000

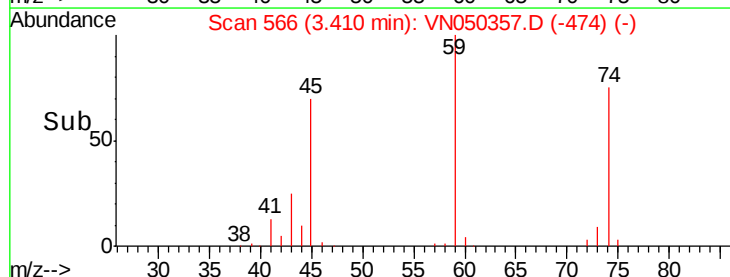
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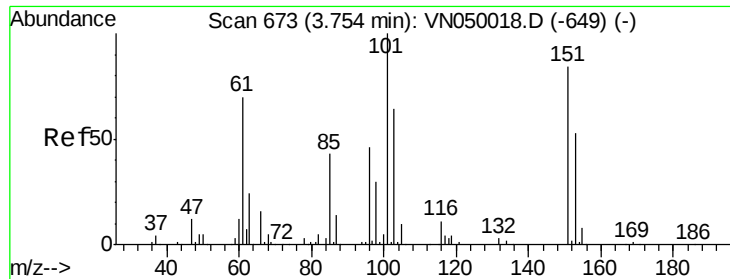
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.08 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBS01

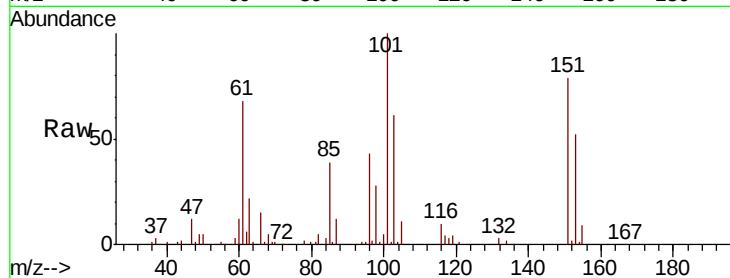
Tot Ion:101 Resp: 154416

Ion Ratio Lower Upper

101 100

85 40.6 34.2 51.2

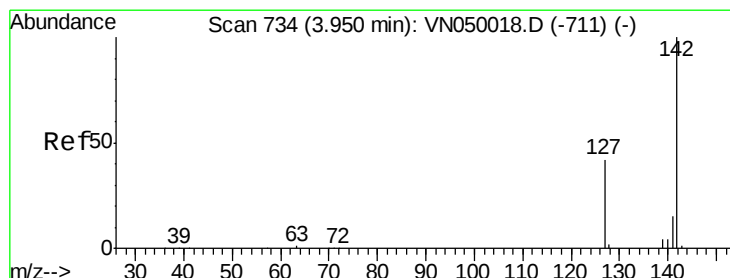
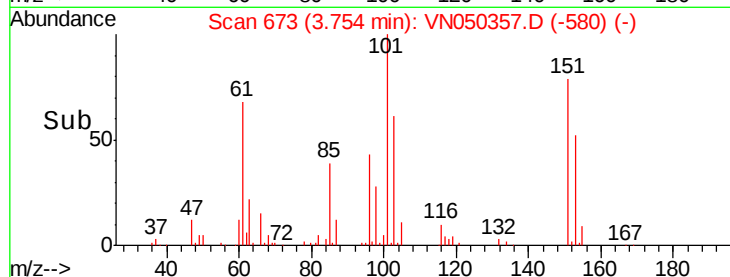
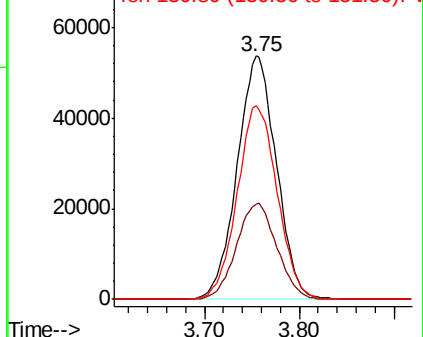
151 81.3 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 7.06 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

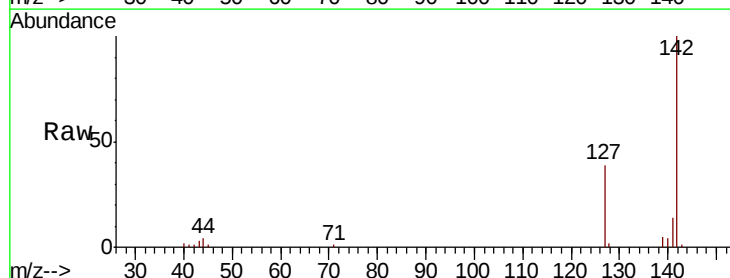
Tgt Ion:142 Resp: 73327

Ion Ratio Lower Upper

142 100

127 40.5 33.4 50.2

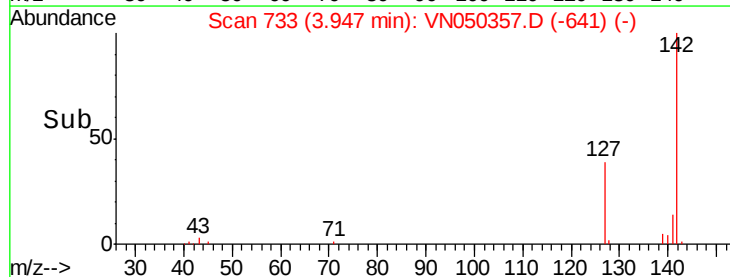
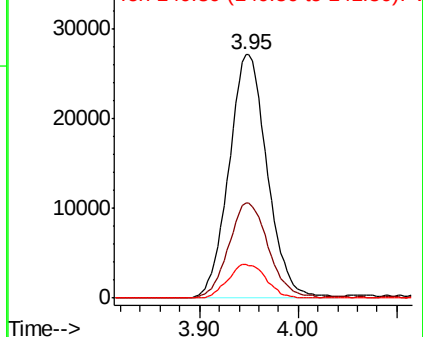
141 13.7 11.6 17.4

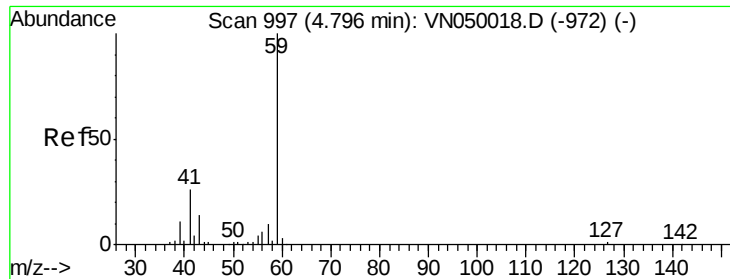


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



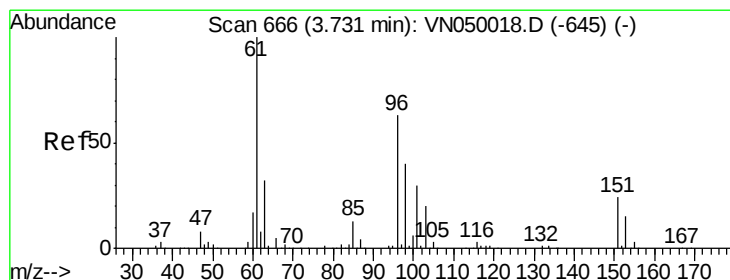
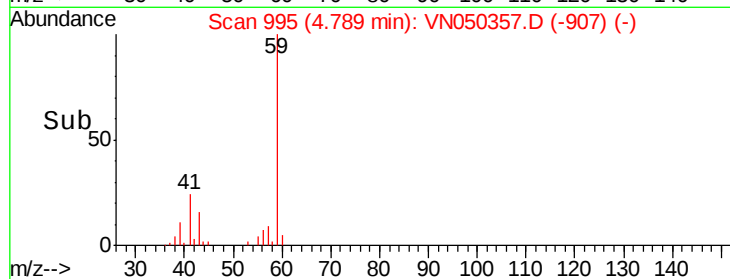
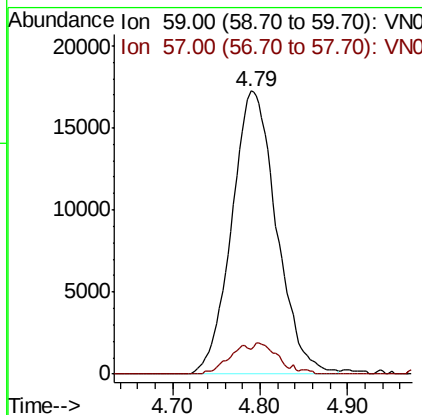
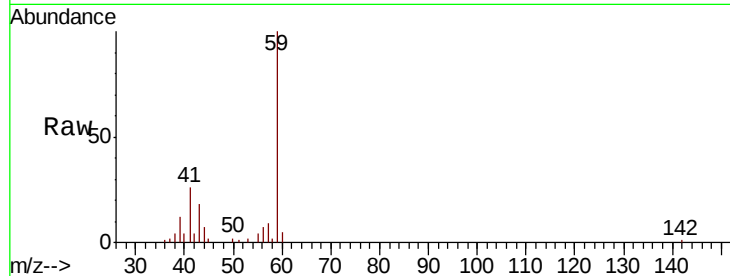


#11

Tert butyl alcohol
 Concen: 94.28 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.02 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBS01

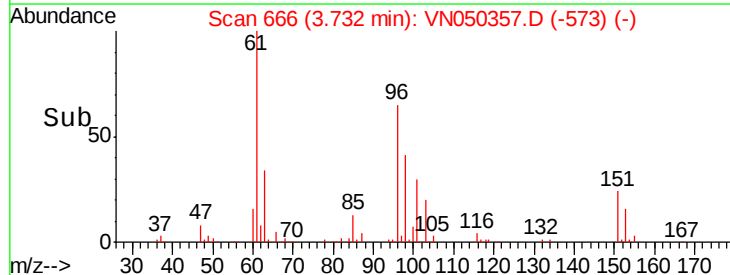
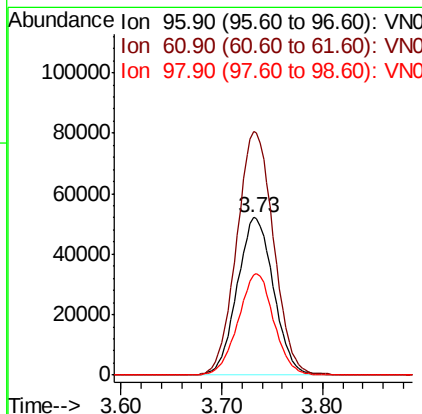
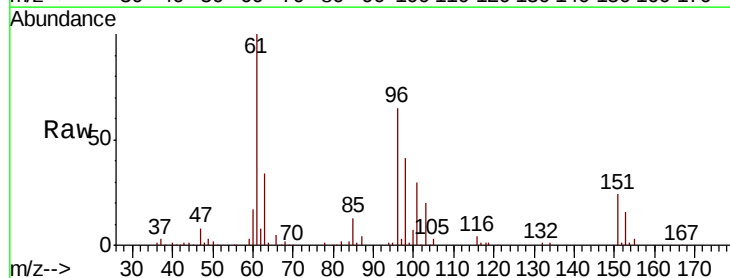
Tot Ion: 59 Resp: 61139
 Ion Ratio Lower Upper
 59 100
 57 5.1 8.5 12.7#

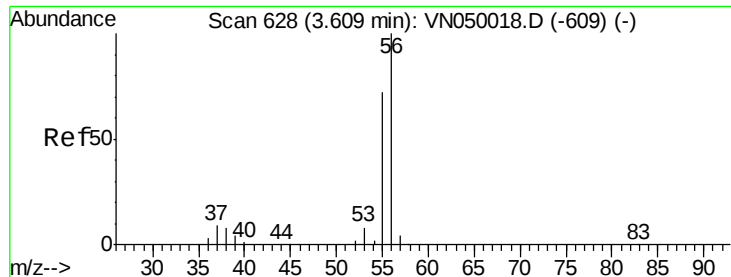


#12

1,1-Dichloroethene
 Concen: 17.93 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion: 96 Resp: 130536
 Ion Ratio Lower Upper
 96 100
 61 154.6 124.4 186.6
 98 64.0 48.3 72.5





#13

Acrolein

Concen: 158.76 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

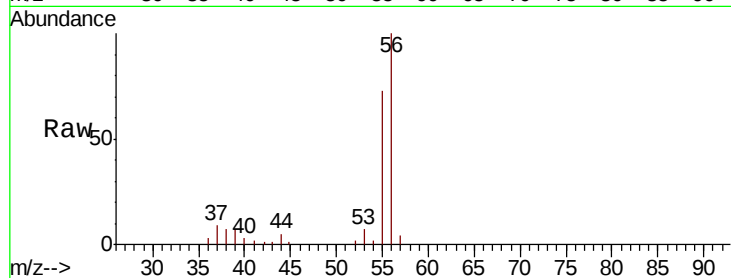
VN0804WBS01

Tot Ion: 56 Resp: 82723

Ion Ratio Lower Upper

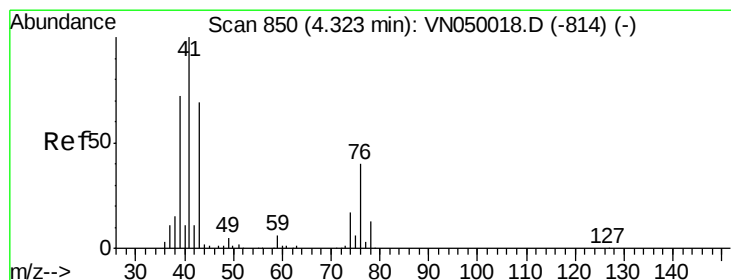
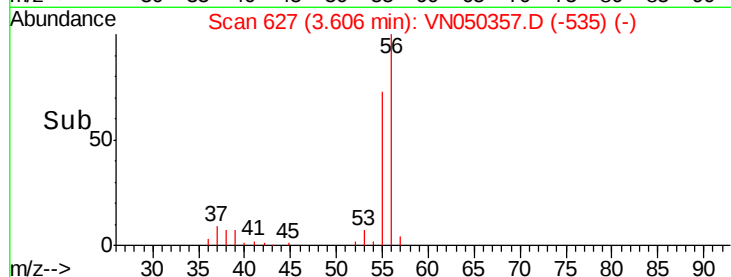
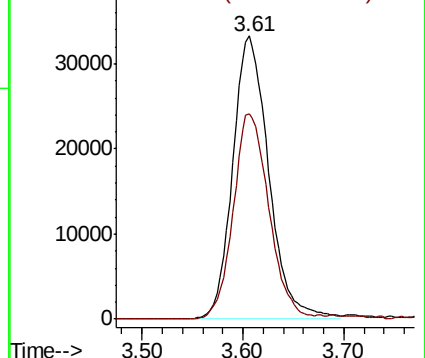
56 100

55 71.8 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.37 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

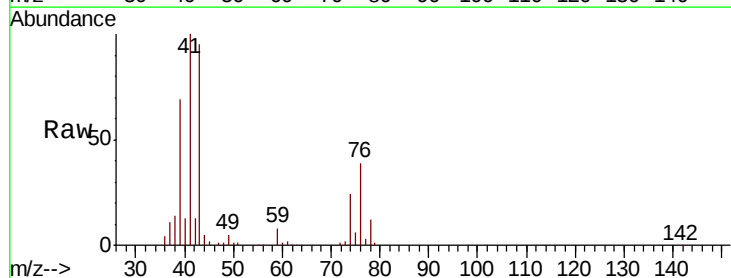
Tgt Ion: 41 Resp: 207412

Ion Ratio Lower Upper

41 100

39 65.9 54.2 81.4

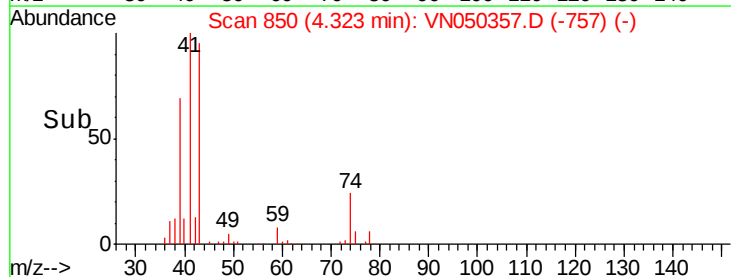
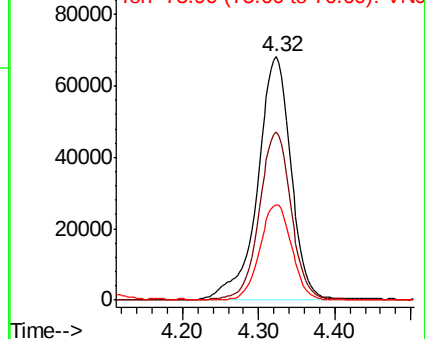
76 36.6 29.0 43.6

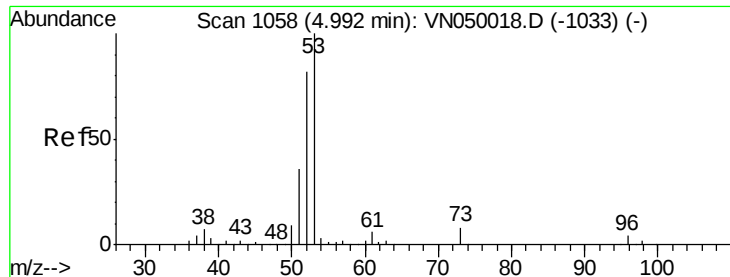


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 94.09 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBS01

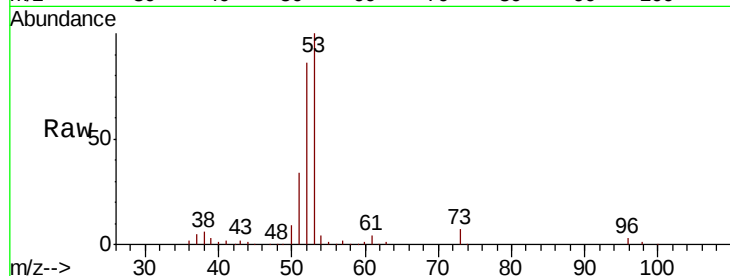
Tot Ion: 53 Resp: 266226

Ion Ratio Lower Upper

53 100

52 82.4 66.2 99.2

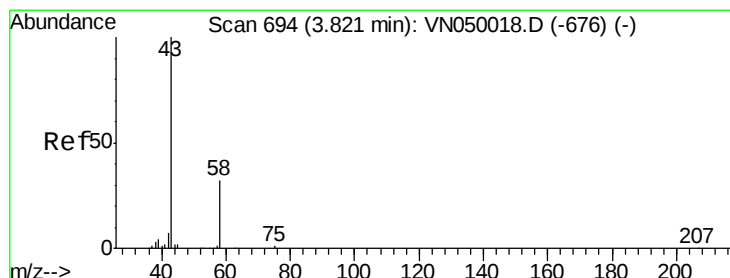
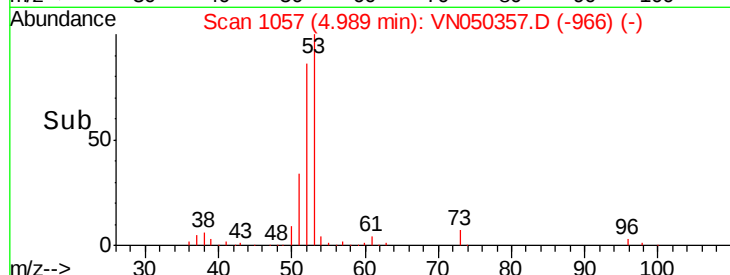
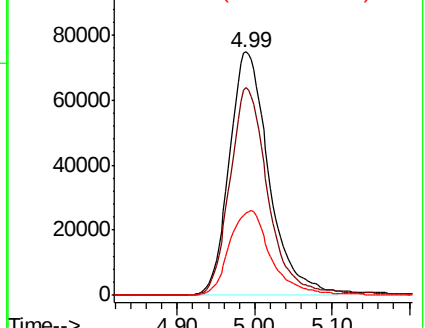
51 36.9 29.3 43.9



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: 85.71 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.01 min

Lab File: VN050357.D

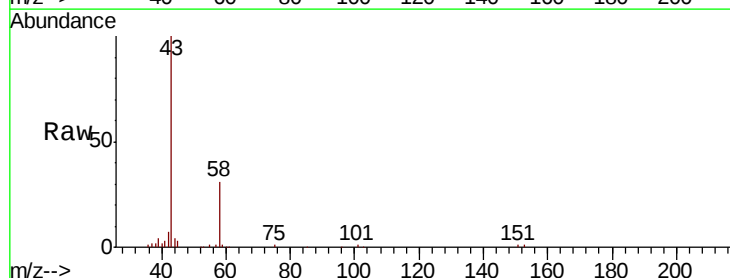
Acq: 4 Aug 2018 11:11

Tgt Ion: 43 Resp: 183874

Ion Ratio Lower Upper

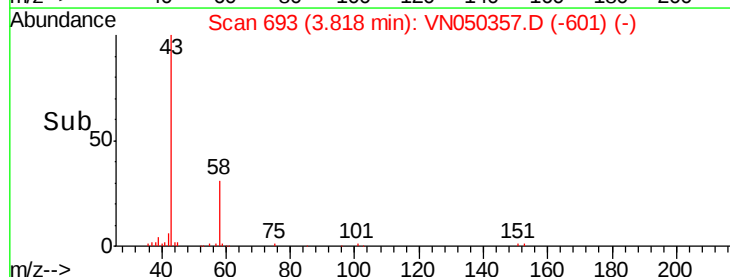
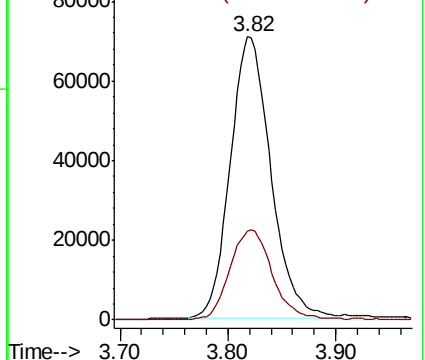
43 100

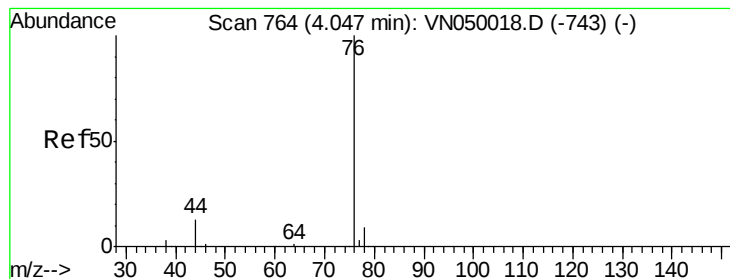
58 31.3 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 14.99 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

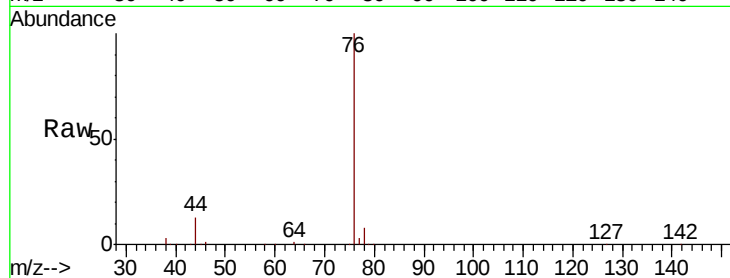
VN0804WBS01

Tot Ion: 76 Resp: 334252

Ion Ratio Lower Upper

76 100

78 8.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

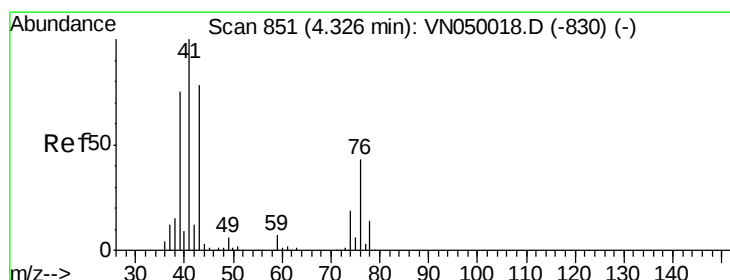
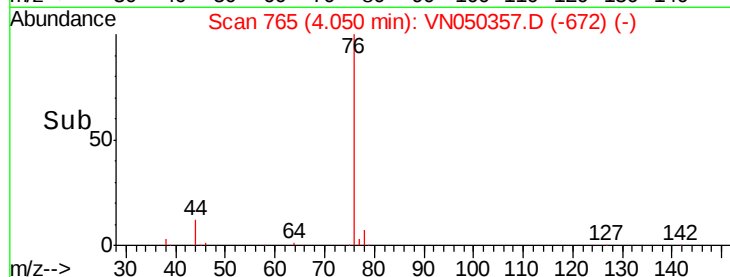
4.05

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 23.04 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.01 min

Lab File: VN050357.D

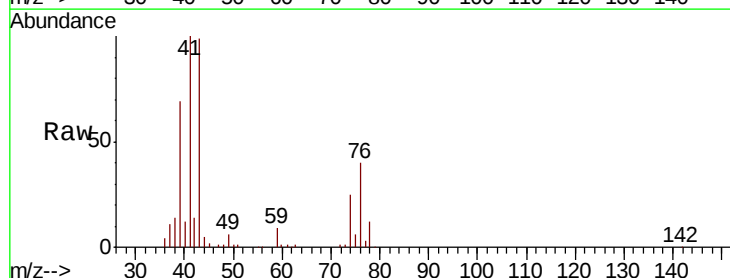
Acq: 4 Aug 2018 11:11

Tgt Ion: 43 Resp: 193118

Ion Ratio Lower Upper

43 100

74 24.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

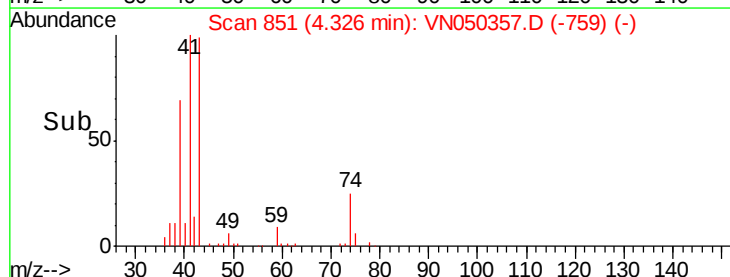
60000

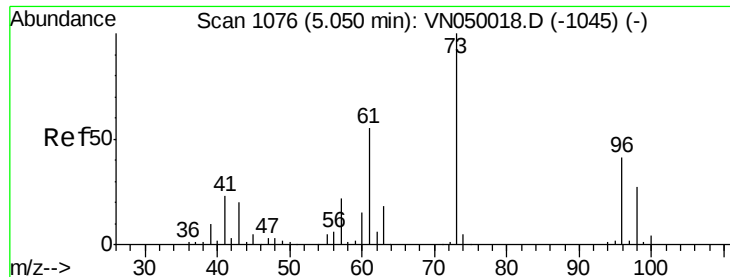
40000

20000

0

Time--> 4.20 4.30 4.40

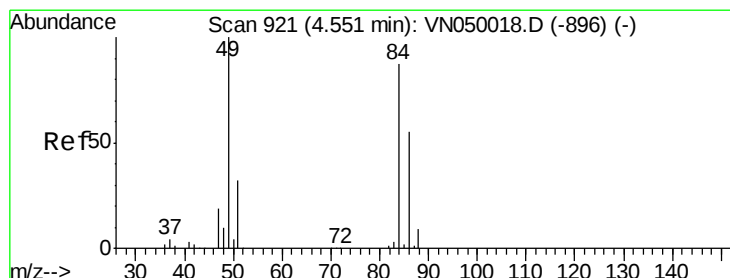
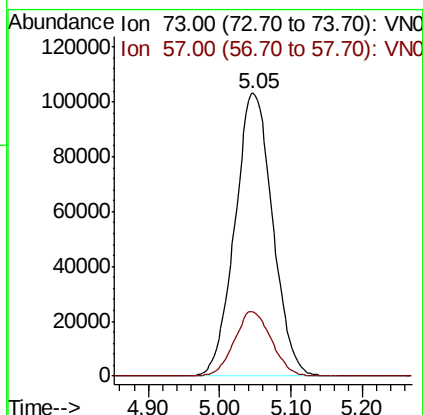
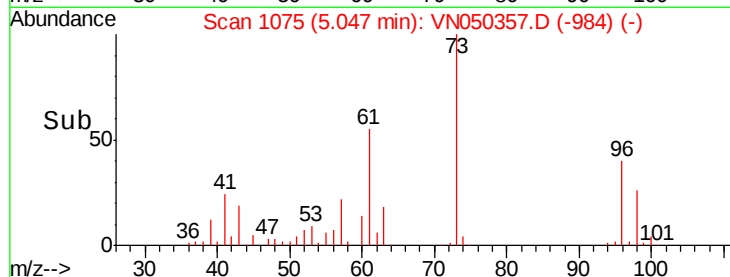
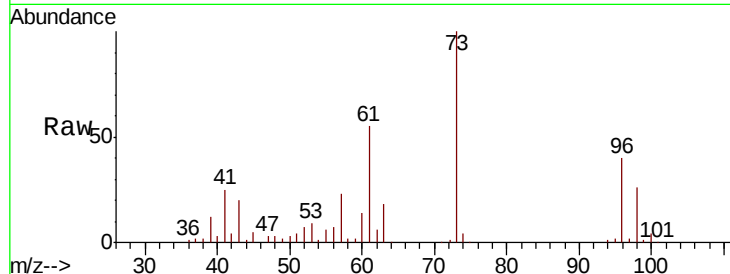




#19
Methyl tert-butyl Ether
Concen: 19.56 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

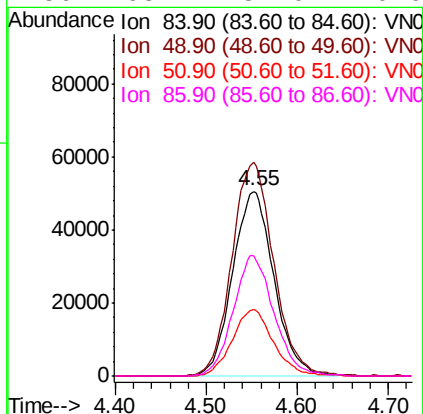
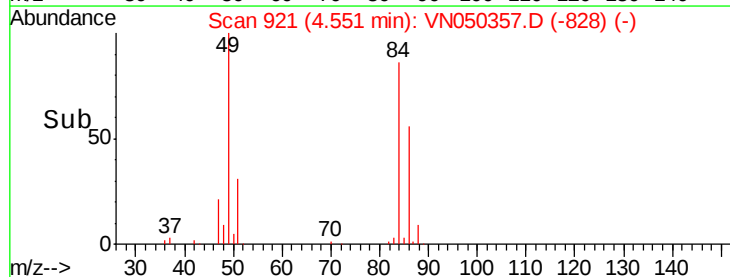
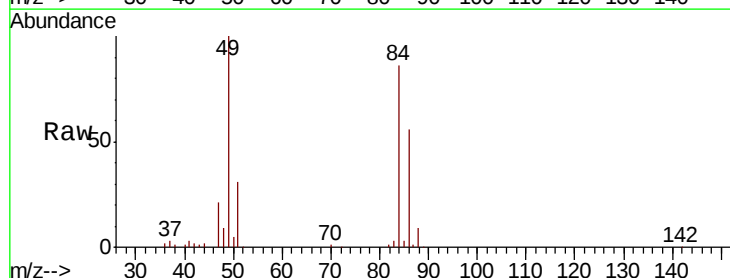
Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

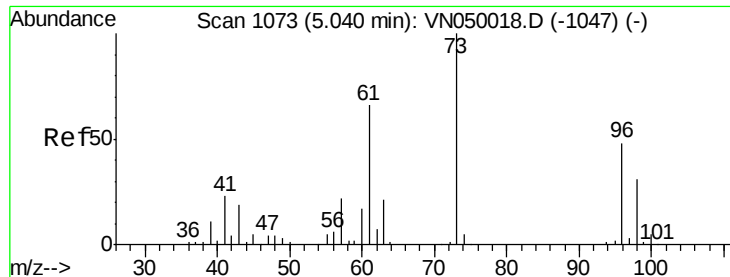
Tot Ion: 73 Resp: 379605
Ion Ratio Lower Upper
73 100
57 22.8 18.0 27.0



#20
Methylene Chloride
Concen: 19.64 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion: 84 Resp: 159424
Ion Ratio Lower Upper
84 100
49 115.4 94.8 142.2
51 36.1 28.3 42.5
86 65.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 17.90 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBS01

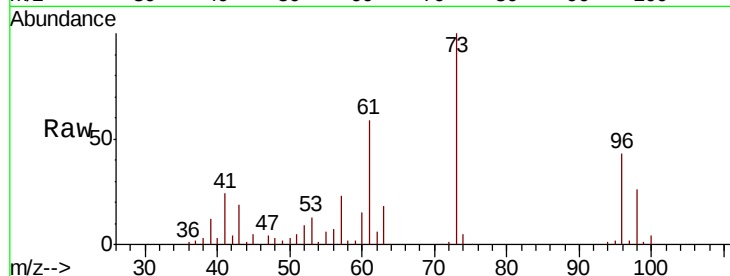
Tot Ion: 96 Resp: 138119

Ion Ratio Lower Upper

96 100

61 135.8 110.7 166.1

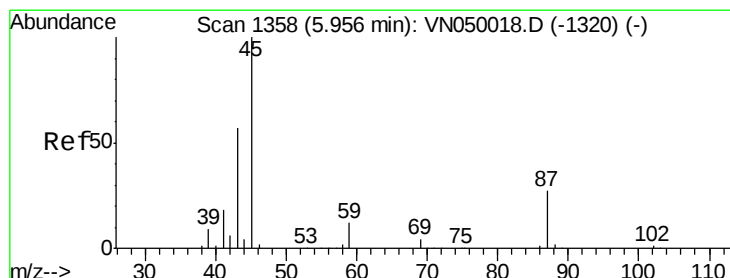
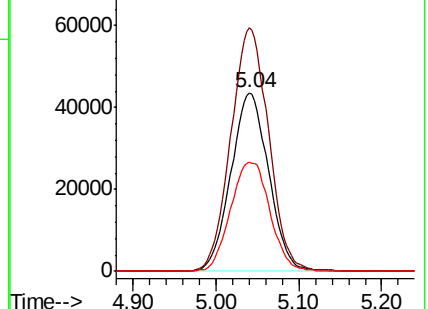
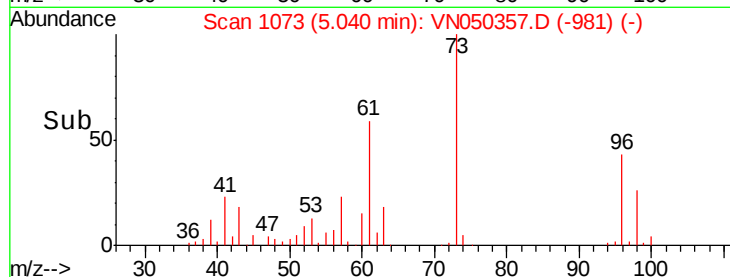
98 60.8 51.6 77.4



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: 20.58 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Tgt Ion: 45 Resp: 460591

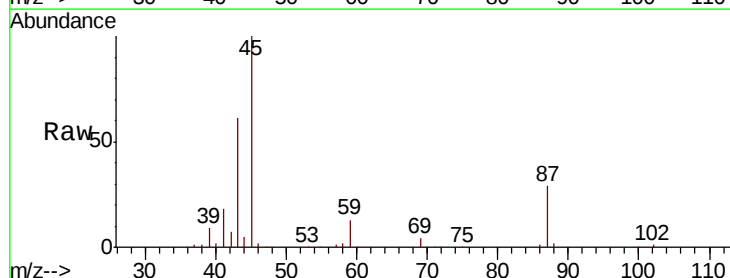
Ion Ratio Lower Upper

45 100

43 59.1 45.7 68.5

87 28.8 22.7 34.1

59 12.4 9.5 14.3

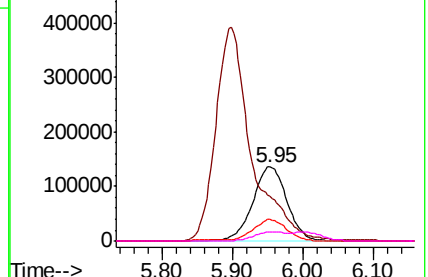
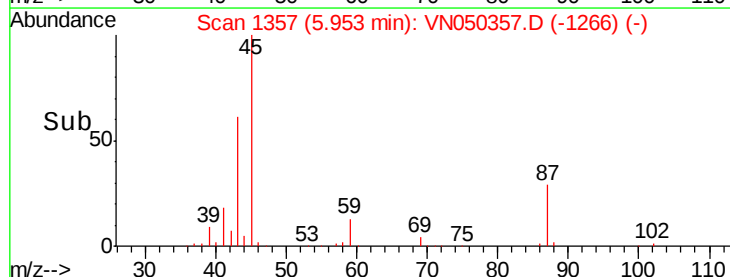


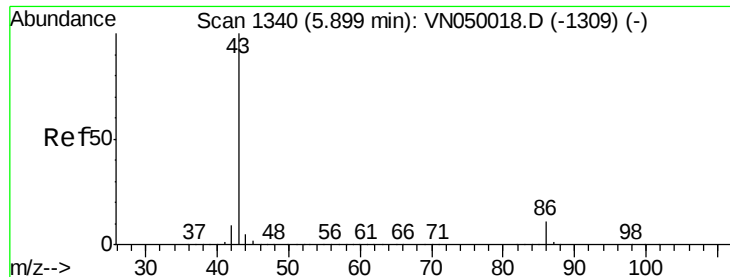
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 87.63 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

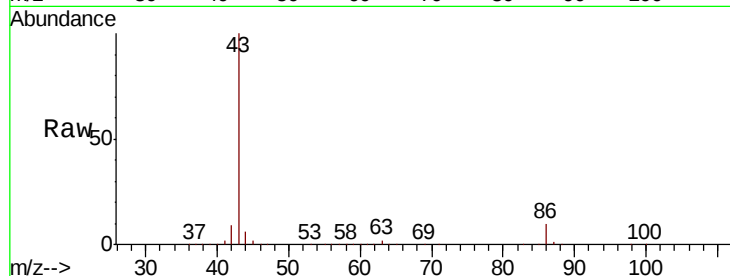
VN0804WBS01

Tot Ion: 43 Resp: 1386308

Ion Ratio Lower Upper

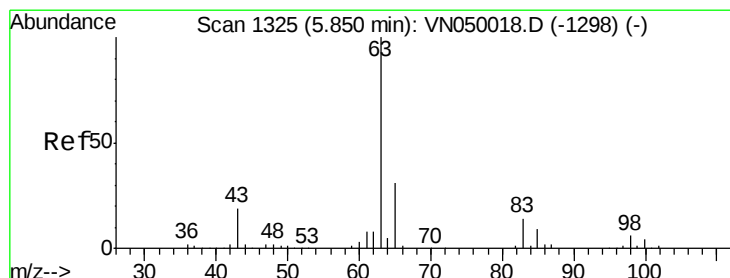
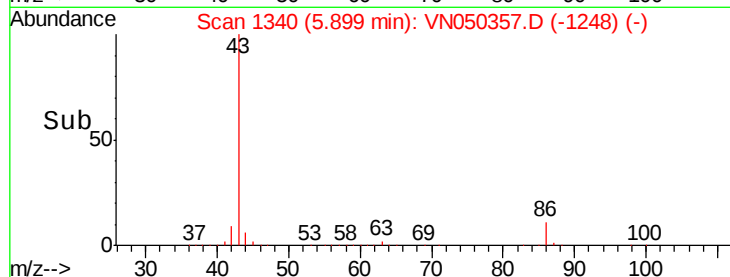
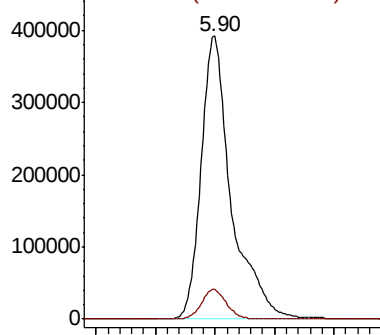
43 100

86 10.5 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.95 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

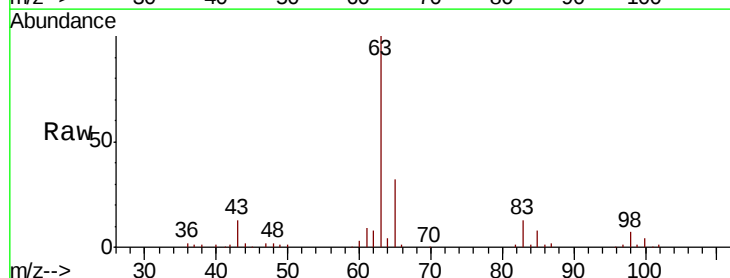
Tgt Ion: 63 Resp: 277452

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

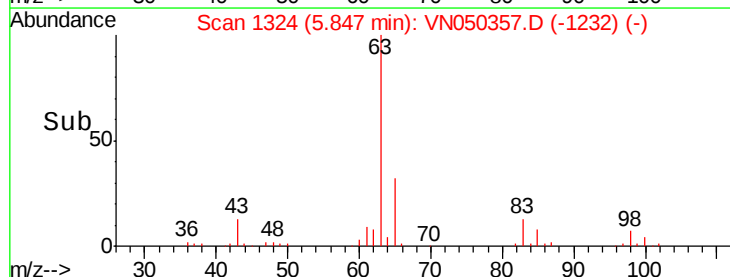
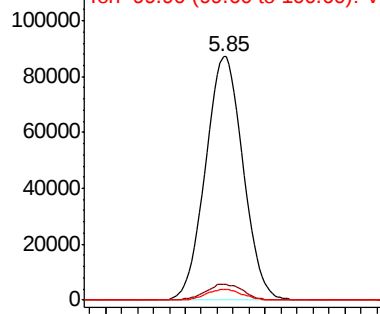
100 4.2 2.1 6.3

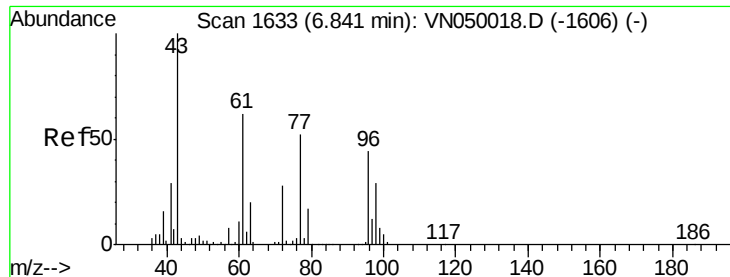


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 90.11 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.01 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

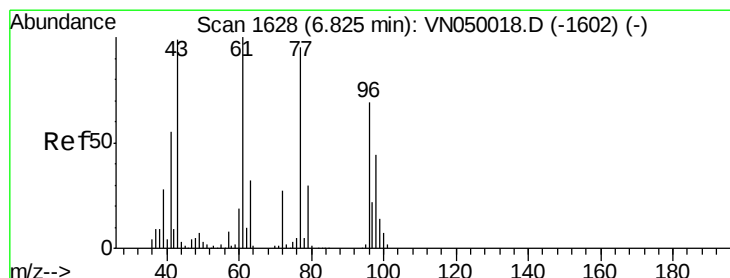
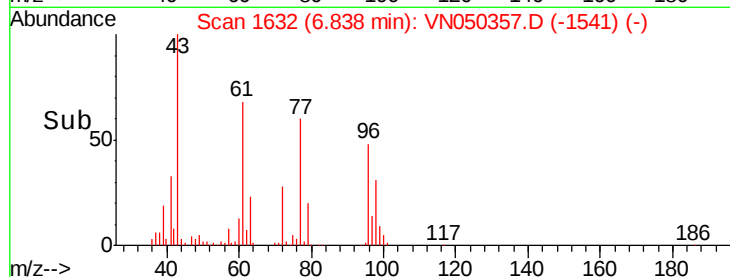
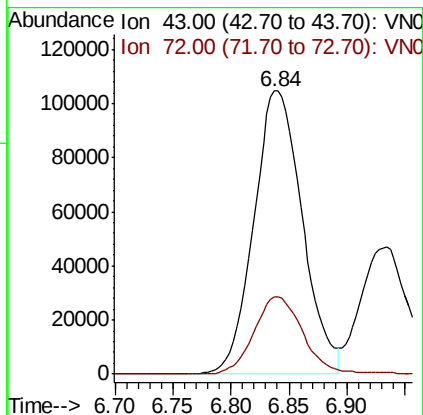
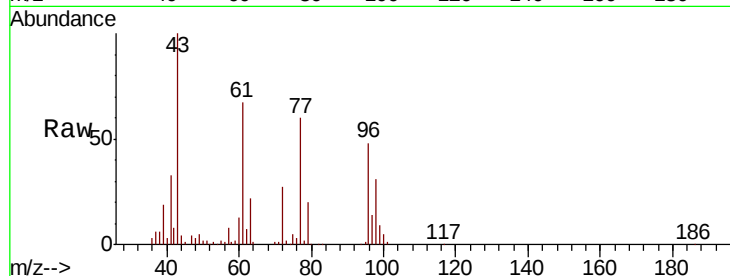
Instrument :
MSVOA_N
ClientSampleId :
VN0804WBS01

Tot Ion: 43 Resp: 302949

Ion Ratio Lower Upper

43 100

72 27.6 21.5 32.3



#26

2,2-Dichloropropane

Concen: 20.85 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050357.D

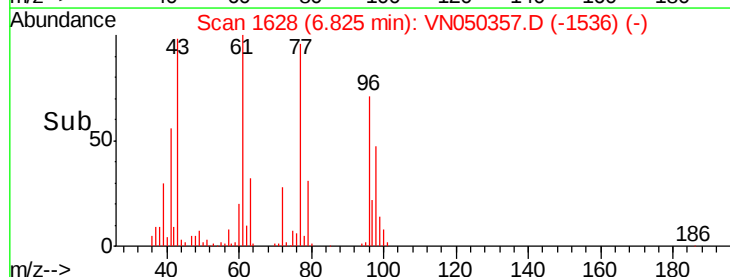
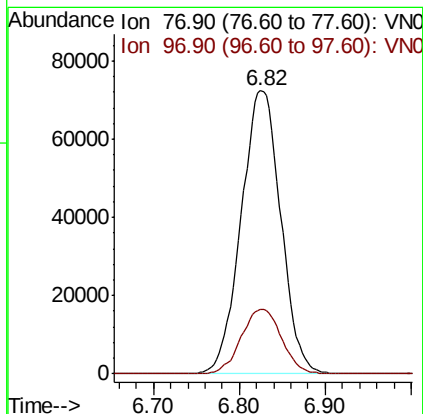
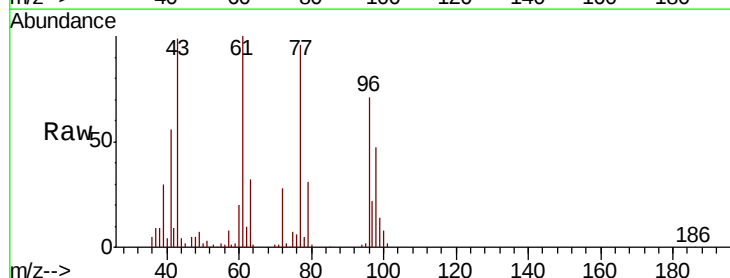
Acq: 4 Aug 2018 11:11

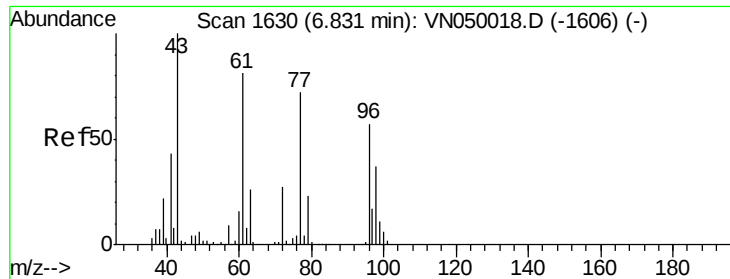
Tgt Ion: 77 Resp: 232138

Ion Ratio Lower Upper

77 100

97 23.2 11.8 35.3

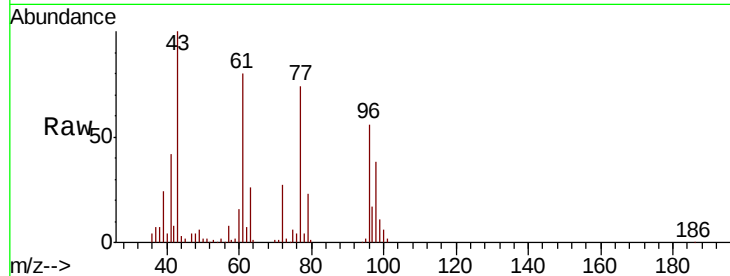




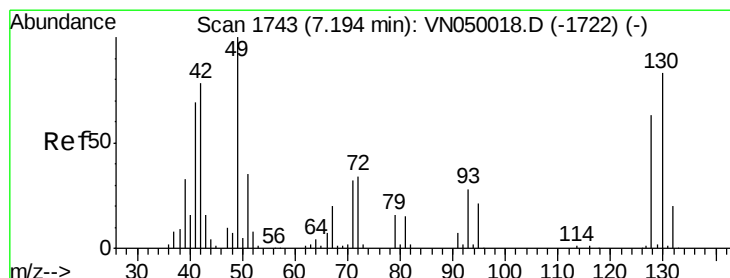
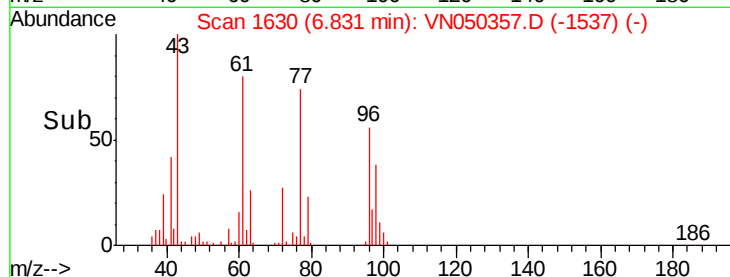
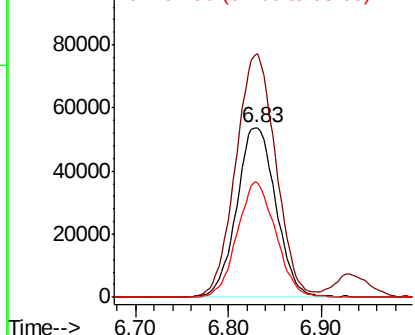
#27
 cis-1,2-Dichloroethene
 Concen: 19.02 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBS01

Tot Ion: 96 Resp: 157952
 Ion Ratio Lower Upper
 96 100
 61 146.8 0.0 285.0
 98 66.7 0.0 129.2

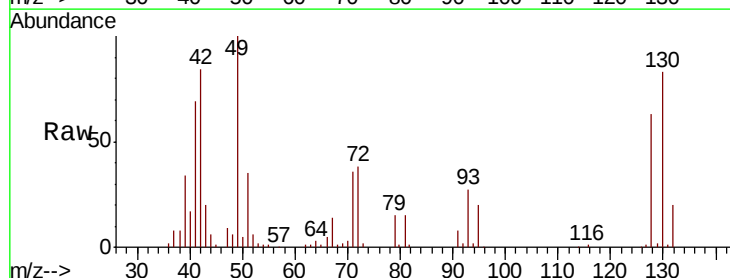


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

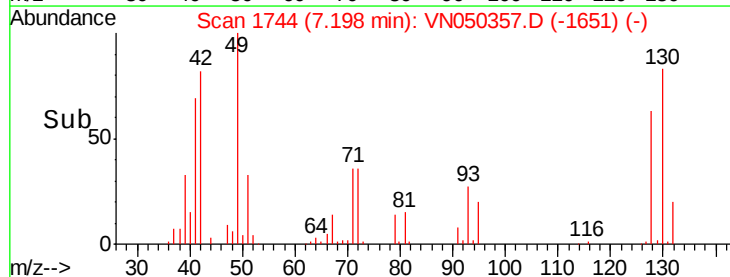
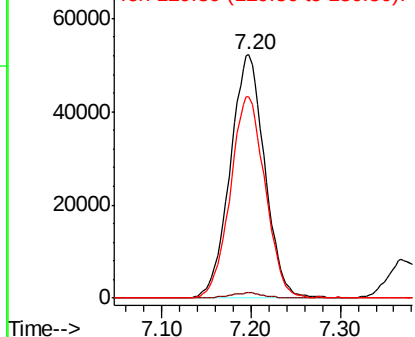


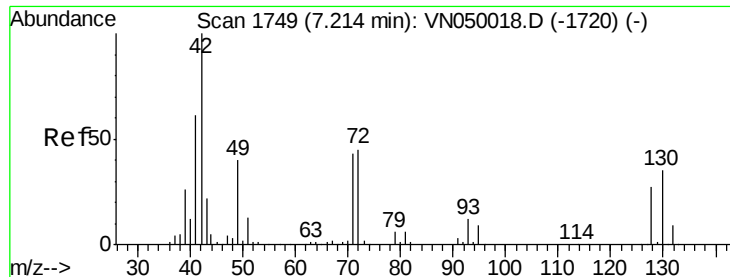
#28
 Bromochloromethane
 Concen: 20.93 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion: 49 Resp: 139738
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.0
 130 83.5 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: 92.30 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBS01

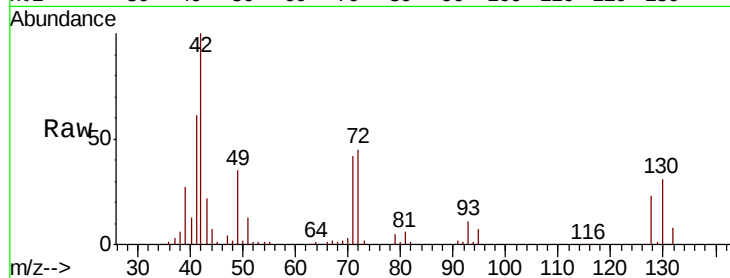
Tot Ion: 42 Resp: 200516

Ion Ratio Lower Upper

42 100

72 45.0 35.9 53.9

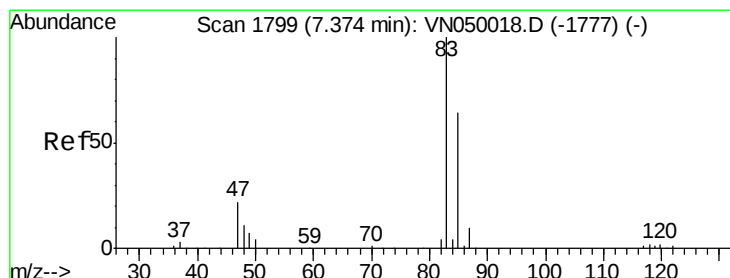
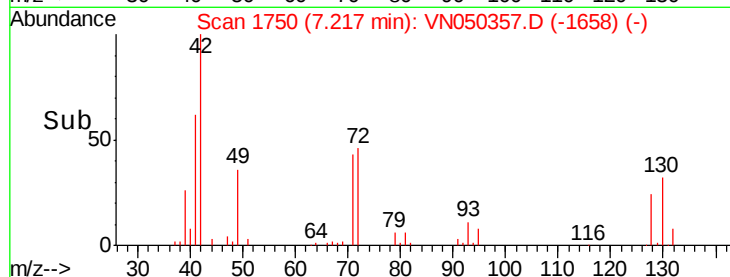
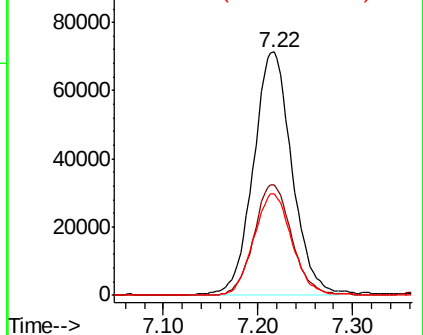
71 41.5 33.7 50.5



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: 19.07 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN050357.D

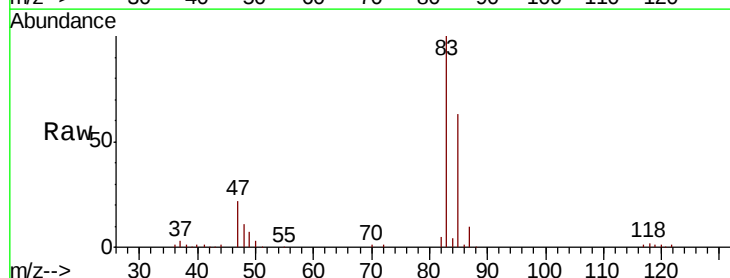
Acq: 4 Aug 2018 11:11

Tgt Ion: 83 Resp: 284936

Ion Ratio Lower Upper

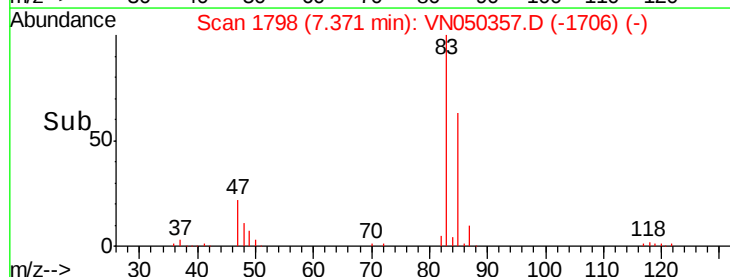
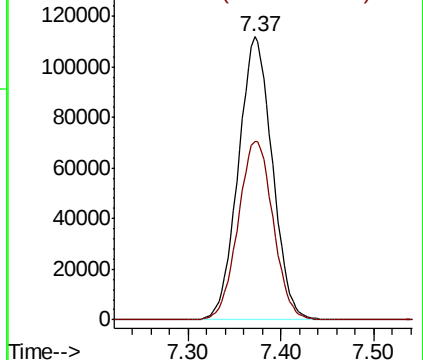
83 100

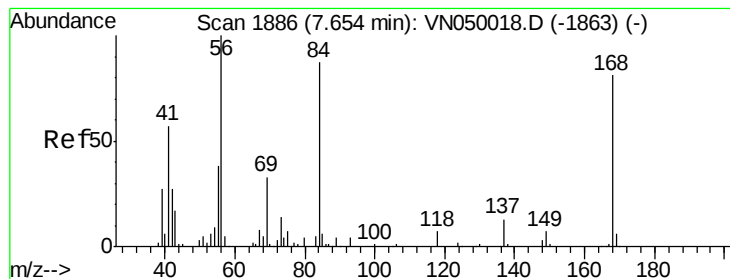
85 63.2 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.74 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

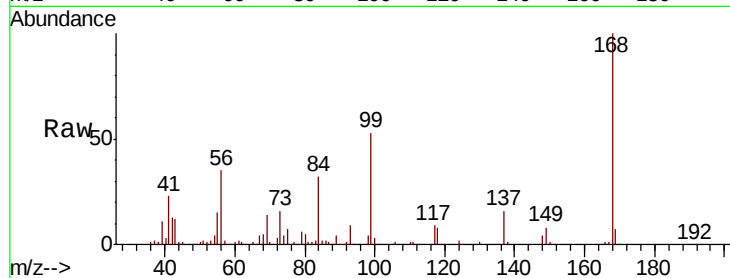
Tot Ion: 56 Resp: 215927

Ion Ratio Lower Upper

56 100

69 39.2 26.2 39.4

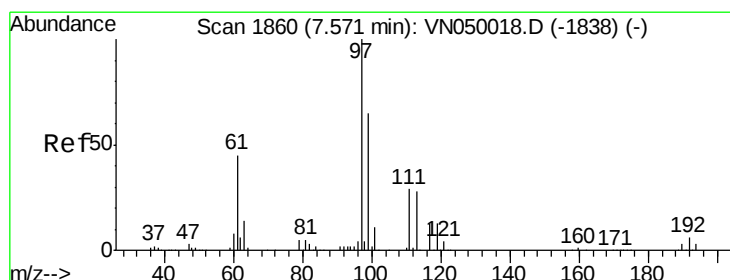
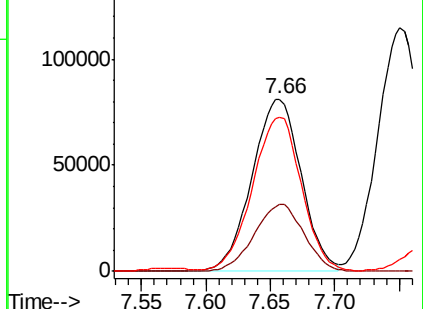
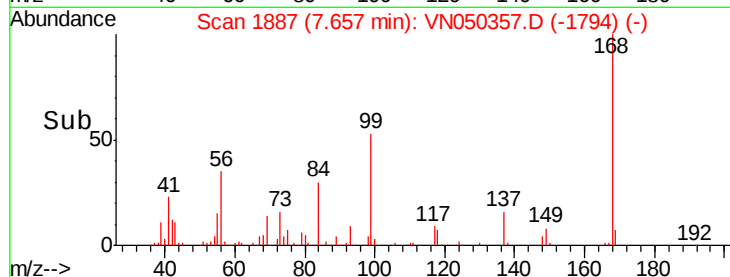
84 88.4 67.4 101.0



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: 18.55 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

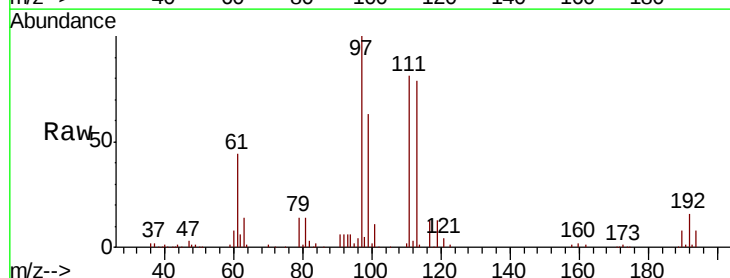
Tgt Ion: 97 Resp: 237064

Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

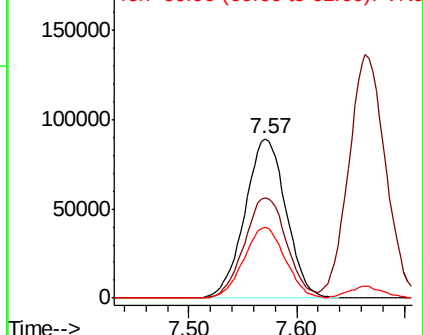
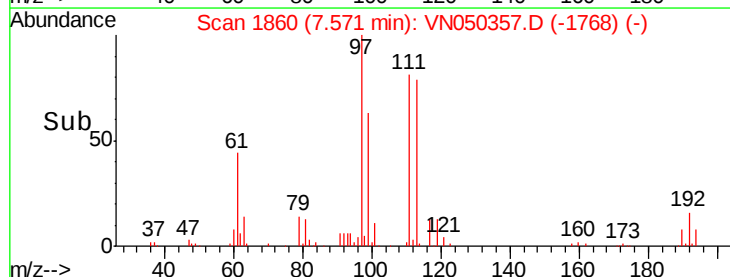
61 44.5 35.4 53.0

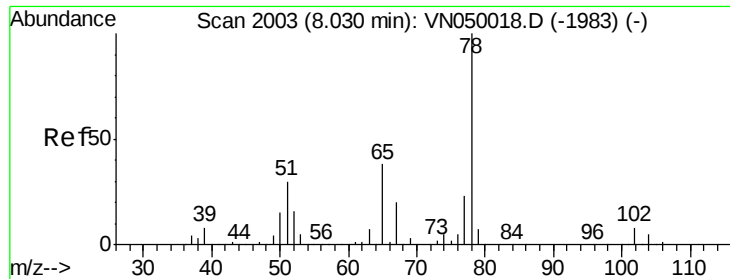


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.15 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

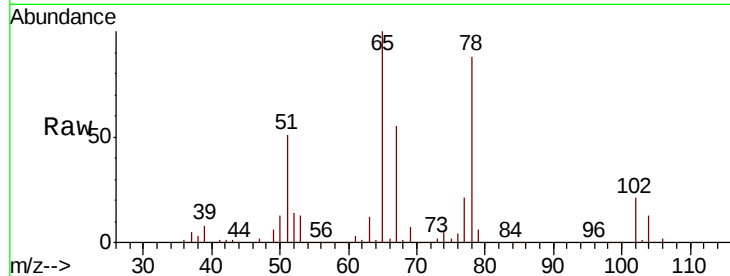
VN0804WBS01

Tot Ion: 65 Resp: 433244

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

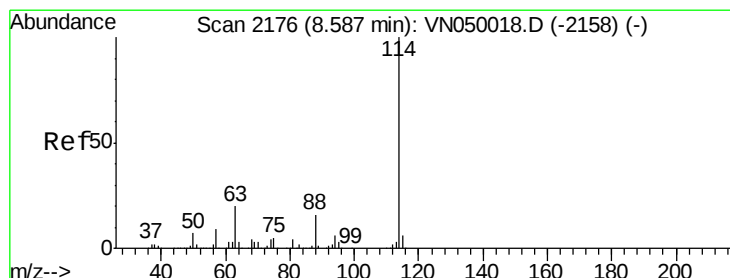
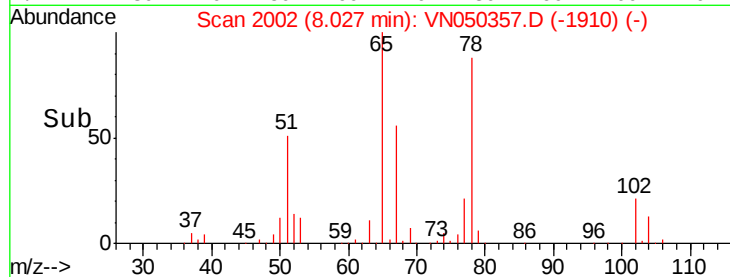
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

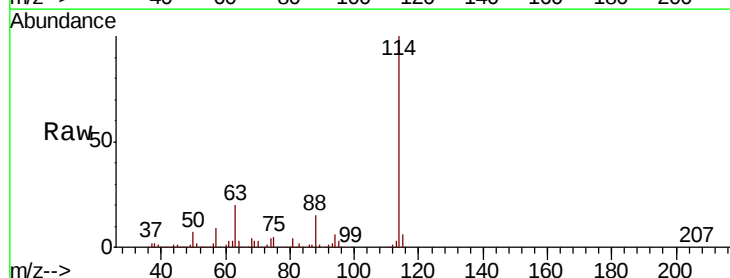
Tgt Ion: 114 Resp: 923990

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 15.4 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

600000

500000

400000

300000

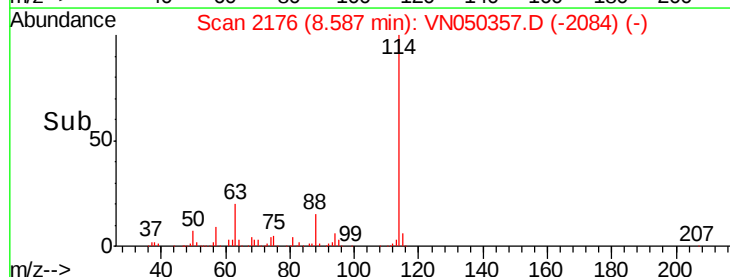
200000

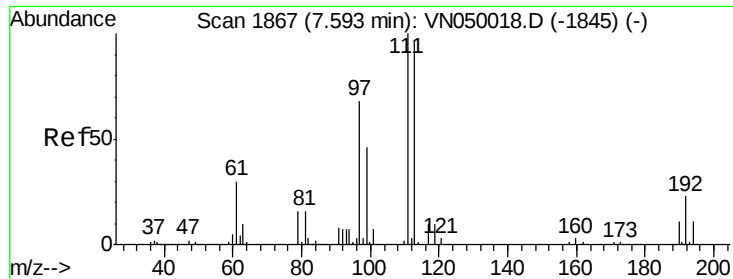
100000

0

8.50 8.60 8.70

Time-->

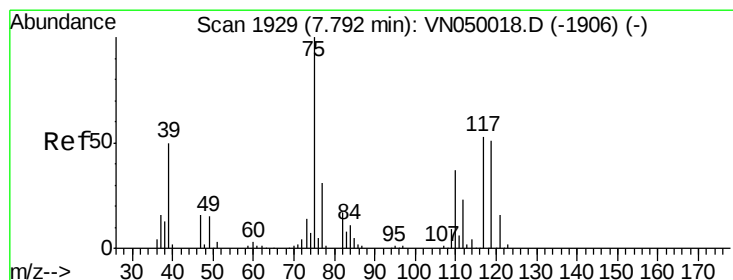
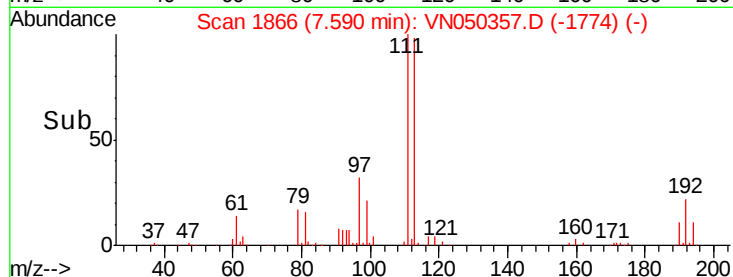
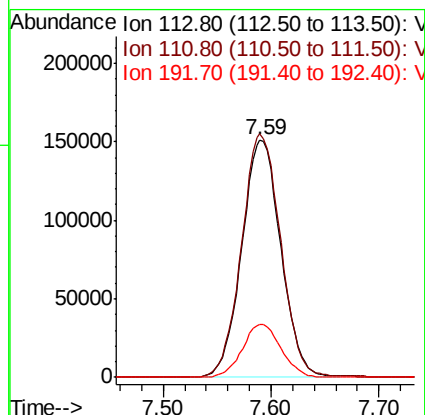
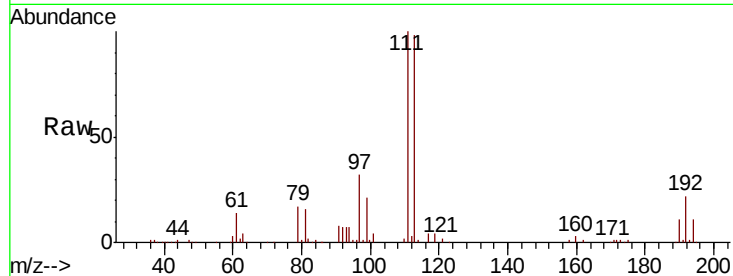




#35
 Dibromofluoromethane
 Concen: 50.51 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

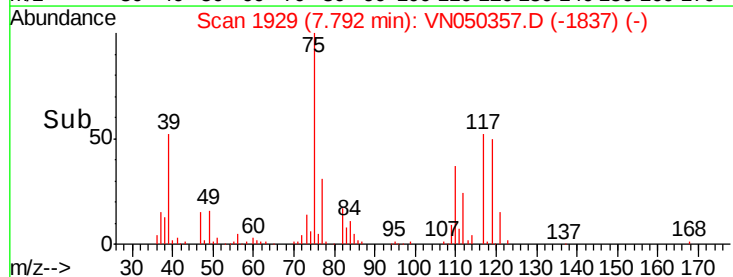
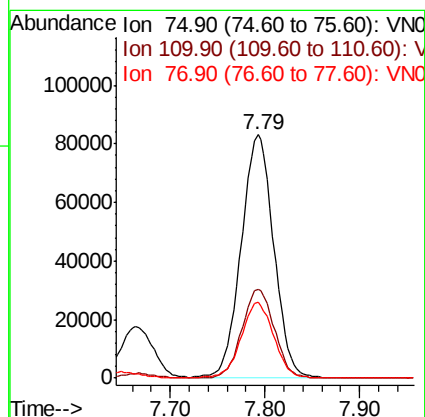
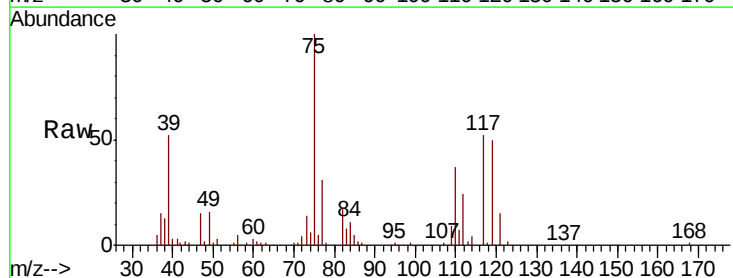
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBS01

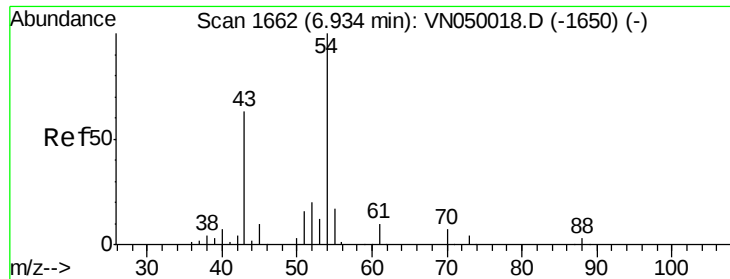
Tot Ion:113 Resp: 381060
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.7 121.1
 192 22.0 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 19.03 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion: 75 Resp: 198065
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.4 55.2
 77 31.4 25.3 37.9

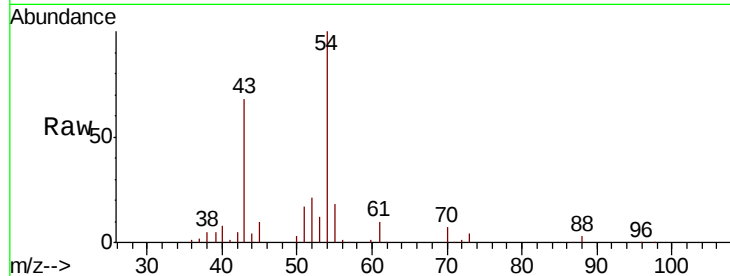




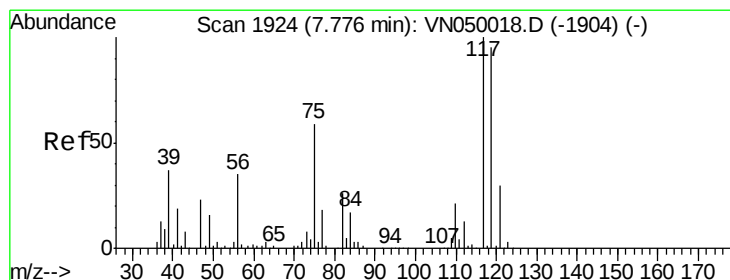
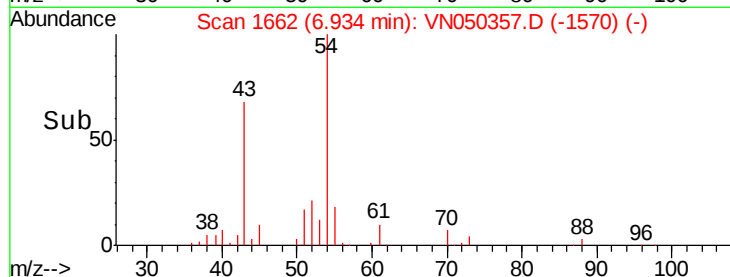
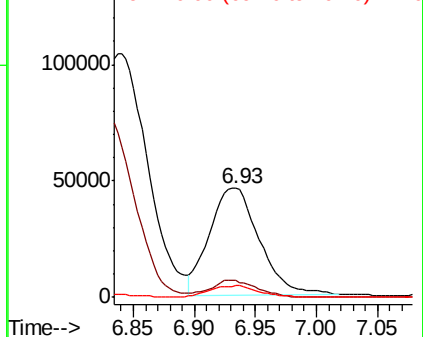
#37
Ethyl Acetate
Concen: 18.14 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

Tot Ion: 43 Resp: 131648
Ion Ratio Lower Upper
43 100
61 14.1 11.8 17.8
70 11.0 8.4 12.6

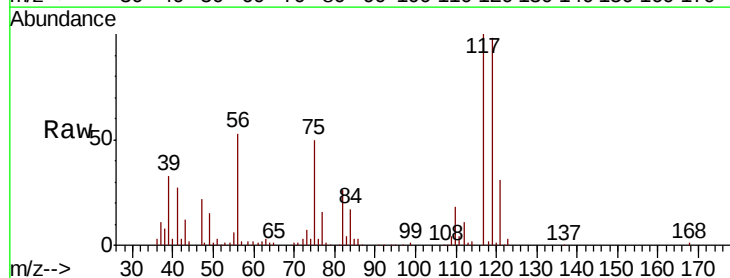


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

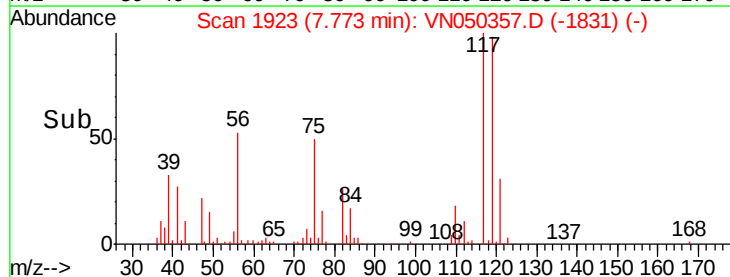
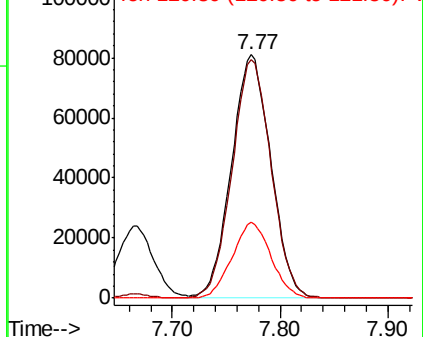


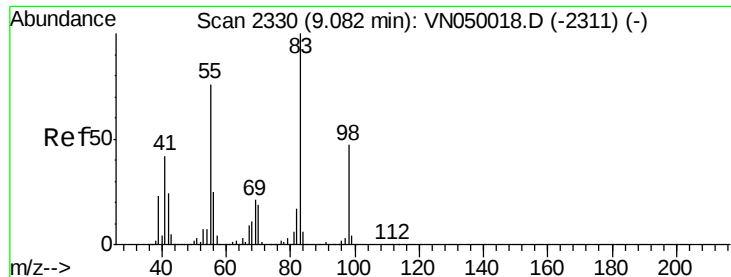
#38
Carbon Tetrachloride
Concen: 18.64 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion: 117 Resp: 205877
Ion Ratio Lower Upper
117 100
119 98.1 77.4 116.0
121 31.0 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

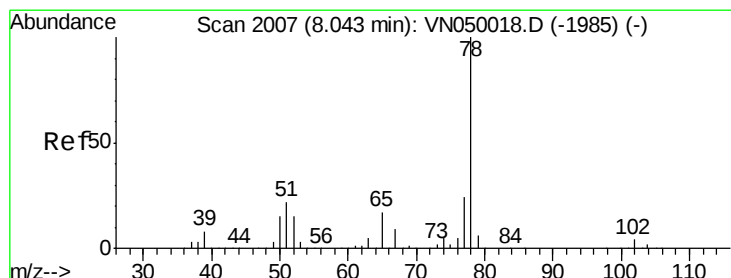
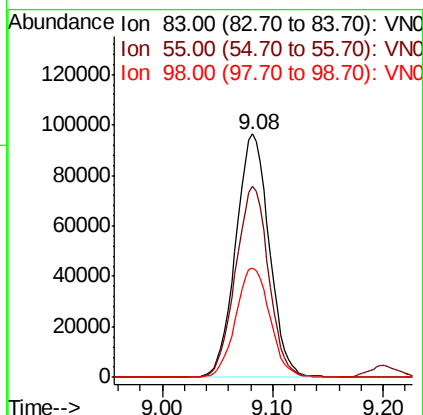
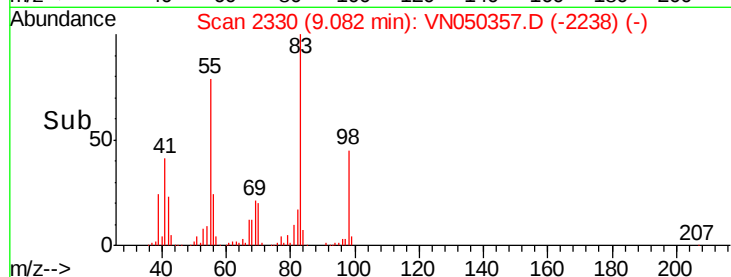
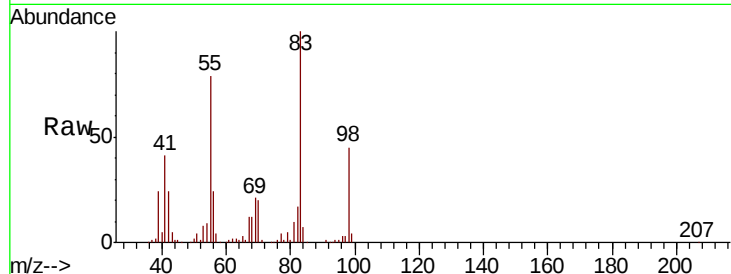




#39
Methvlcvclohexane
Concen: 18.91 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

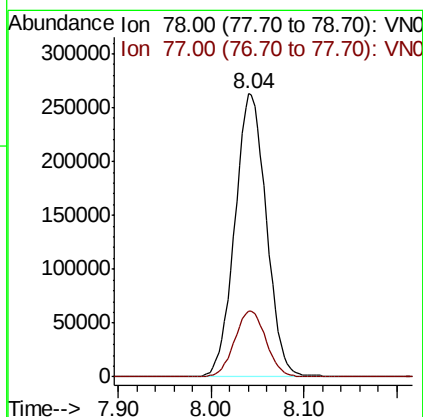
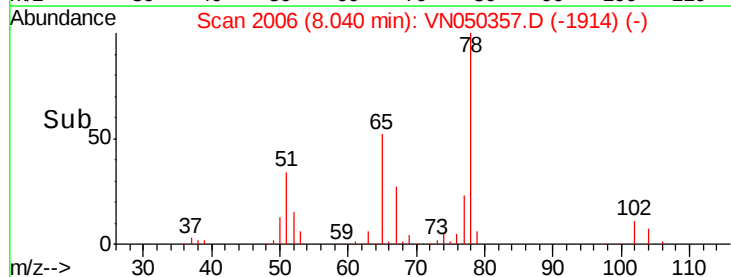
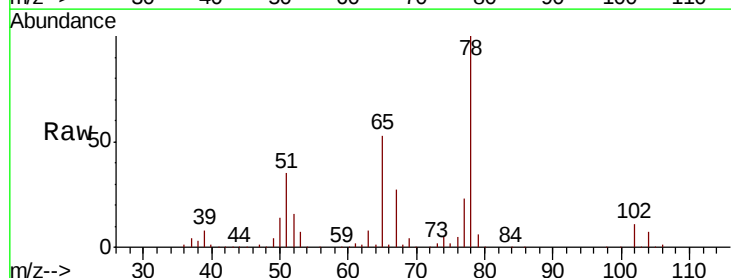
Instrument :
MSVOA_N
ClientSampleId :
VN0804WBS01

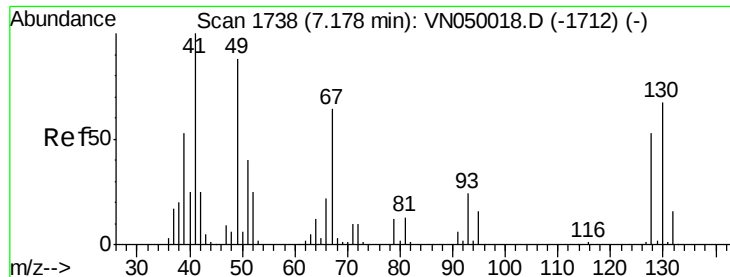
Tot Ion: 83 Resp: 202475
Ion Ratio Lower Upper
83 100
55 78.7 61.8 92.8
98 44.7 36.5 54.7



#40
Benzene
Concen: 19.56 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion: 78 Resp: 619561
Ion Ratio Lower Upper
78 100
77 23.2 18.7 28.1

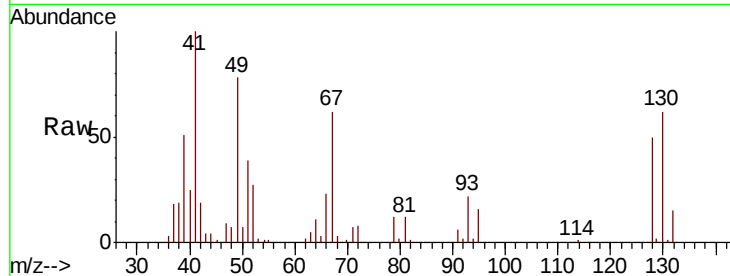




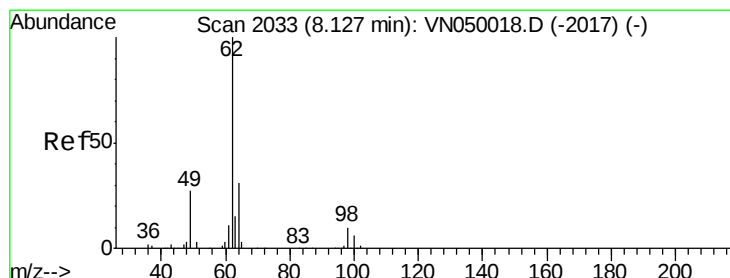
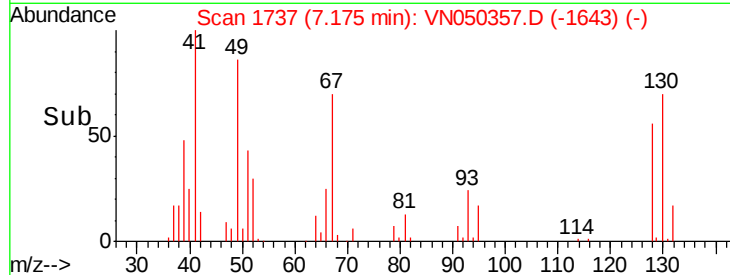
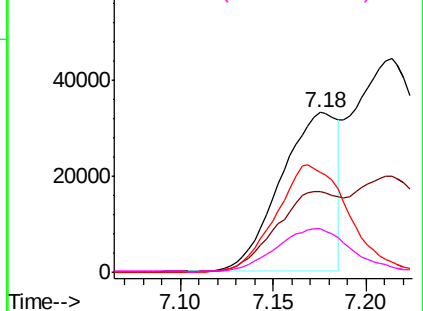
#41
Methacrylonitrile
Concen: 20.42 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

Tot Ion: 41 Resp: 70698
Ion Ratio Lower Upper
41 100
39 58.0 55.8 83.6
67 86.2 84.3 126.5
52 36.9 34.2 51.2

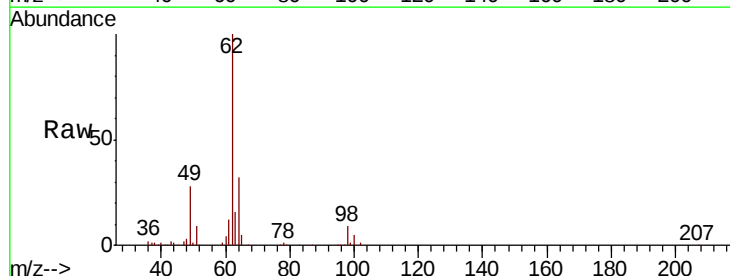


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

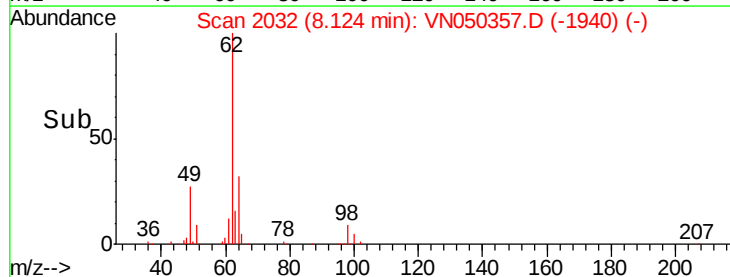
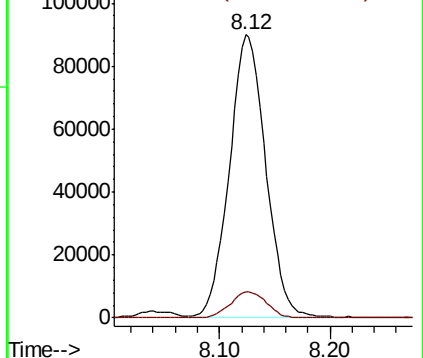


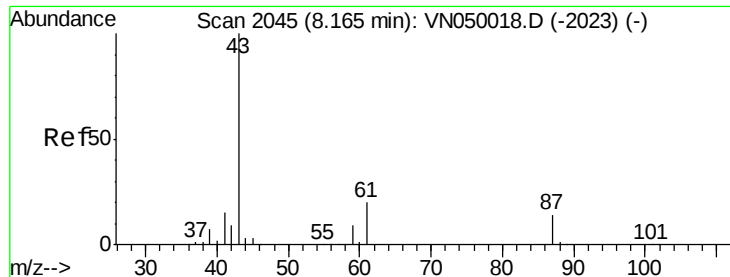
#42
1,2-Dichloroethane
Concen: 19.33 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion: 62 Resp: 204322
Ion Ratio Lower Upper
62 100
98 9.2 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: 18.67 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBS01

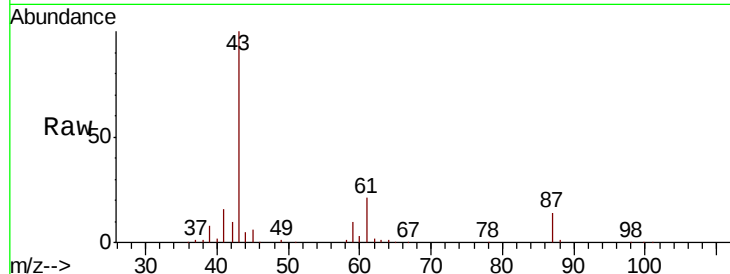
Tot Ion: 43 Resp: 265088

Ion Ratio Lower Upper

43 100

61 18.9 15.8 23.6

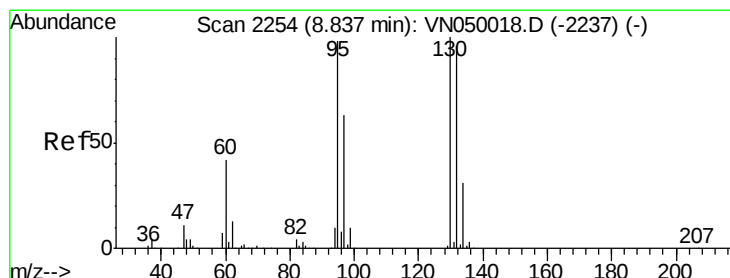
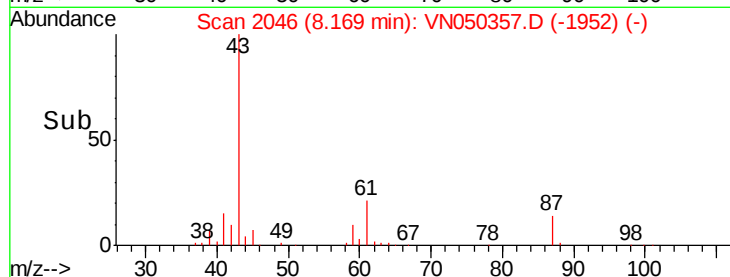
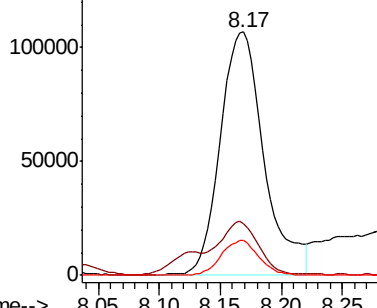
87 12.3 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)



#44

Trichloroethene

Concen: 18.91 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050357.D

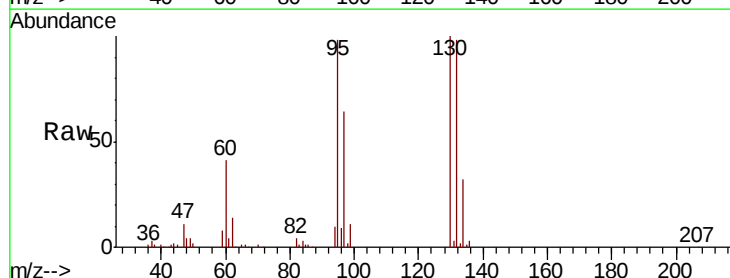
Acq: 4 Aug 2018 11:11

Tgt Ion:130 Resp: 160981

Ion Ratio Lower Upper

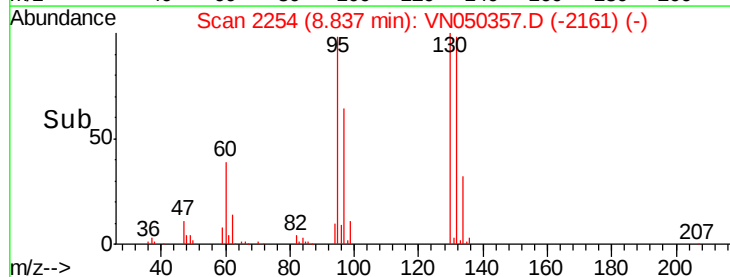
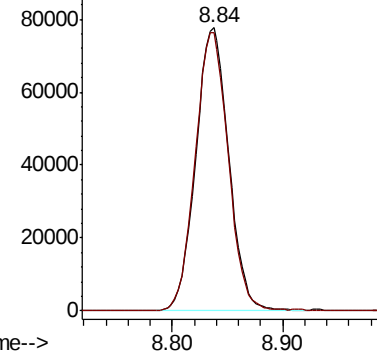
130 100

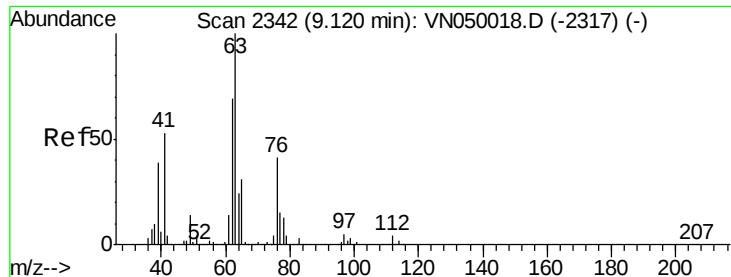
95 98.4 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)

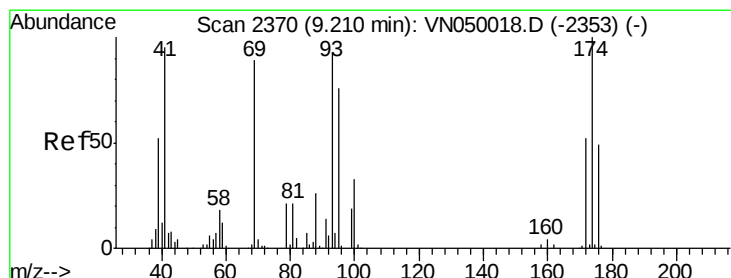
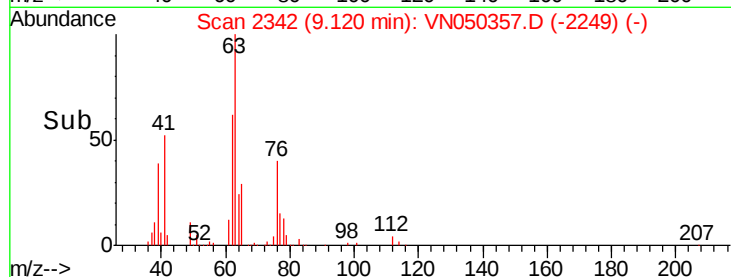
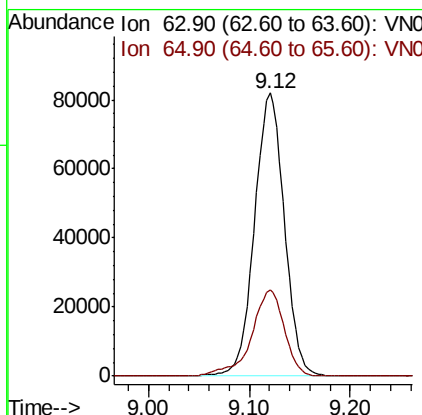
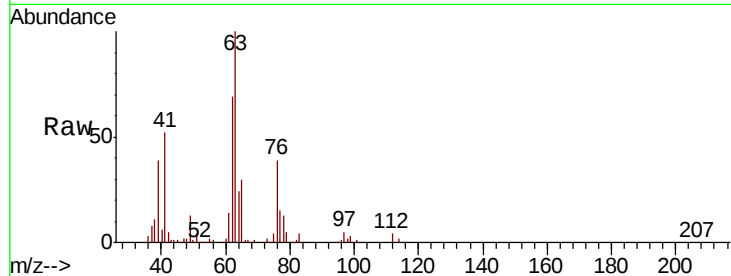




#45
 1,2-Dichloropropane
 Concen: 20.06 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

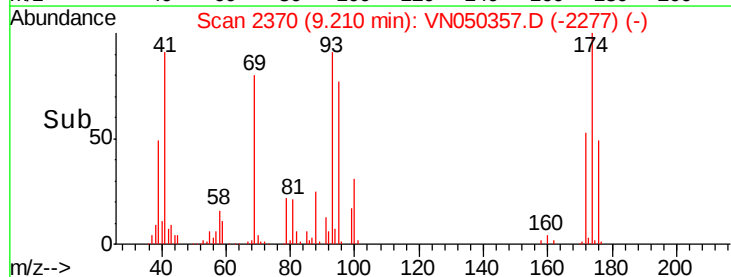
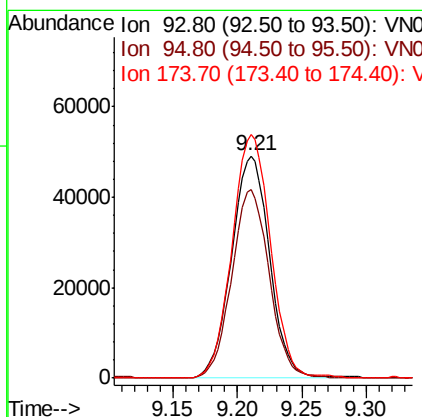
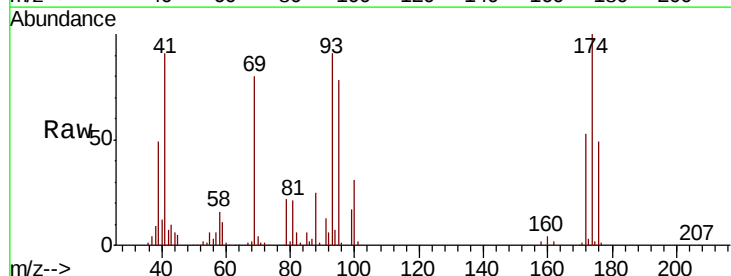
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBS01

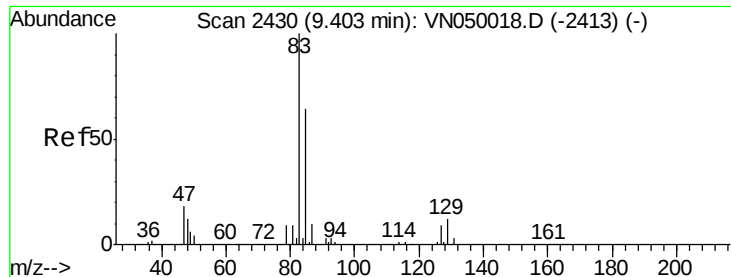
Tot Ion: 63 Resp: 168283
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.5 38.3



#46
 Dibromomethane
 Concen: 19.39 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion: 93 Resp: 101038
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.6 100.0
 174 110.4 87.1 130.7





#47

Bromodichloromethane

Concen: 19.44 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

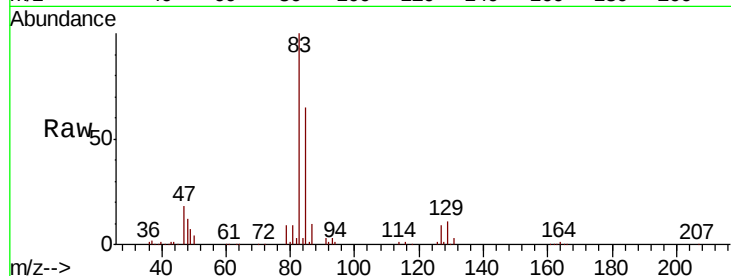
Tot Ion: 83 Resp: 213775

Ion Ratio Lower Upper

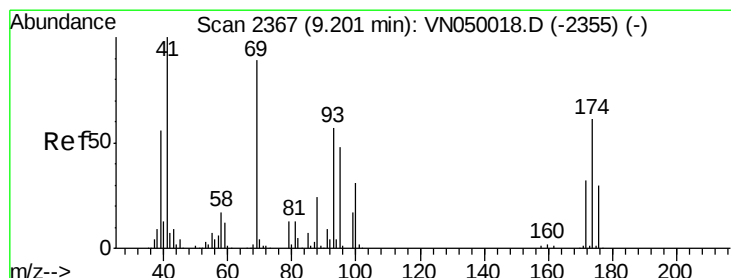
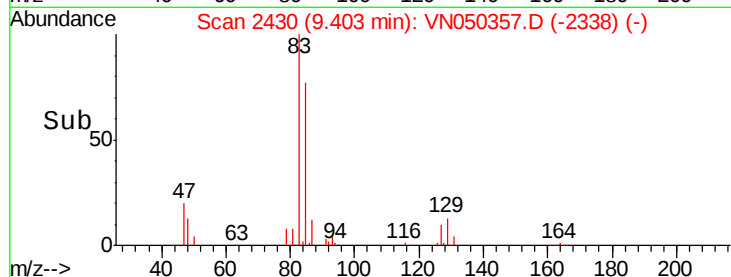
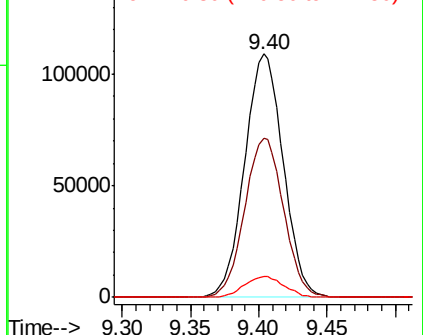
83 100

85 65.5 51.1 76.7

127 8.6 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): V



#48

Methyl methacrylate

Concen: 19.72 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

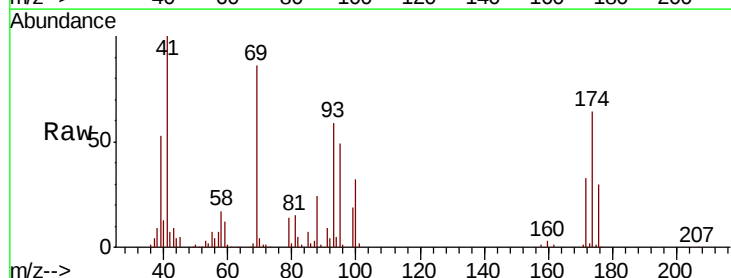
Tgt Ion: 41 Resp: 123235

Ion Ratio Lower Upper

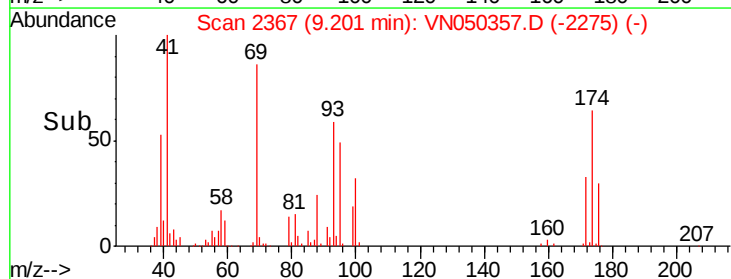
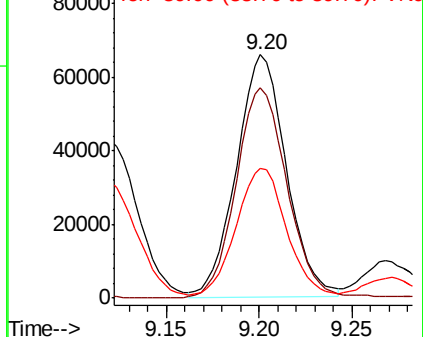
41 100

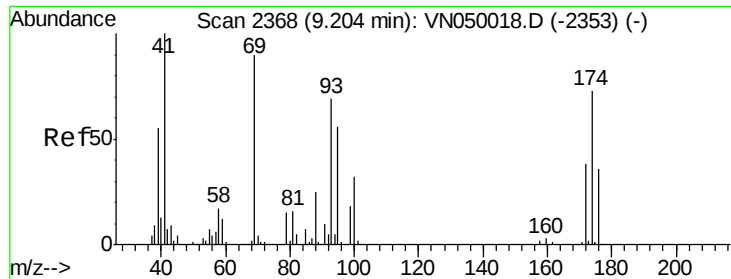
69 89.3 70.6 105.8

39 54.6 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

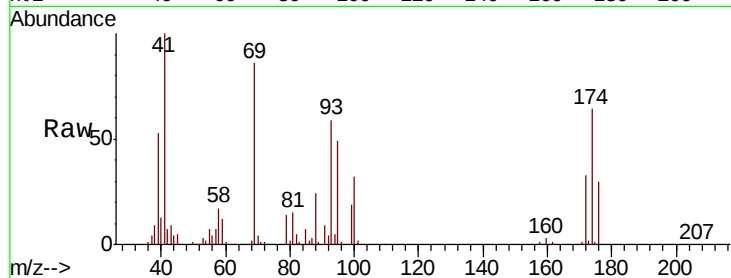




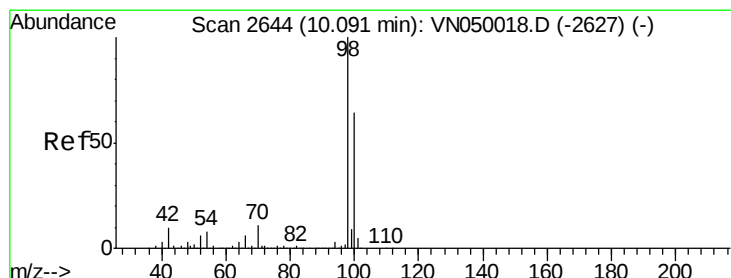
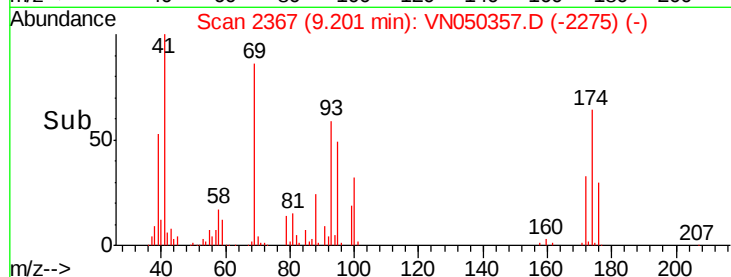
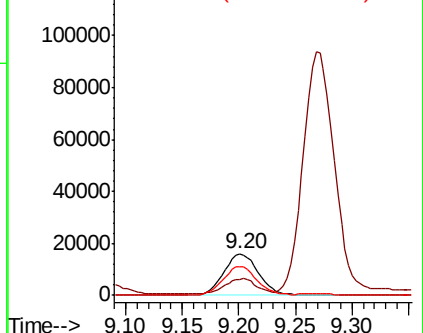
#49
1,4-Dioxane
Concen: 407.24 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBS01

Tot Ion: 88 Resp: 34642
Ion Ratio Lower Upper
88 100
43 34.5 26.9 40.3
58 67.4 57.3 85.9

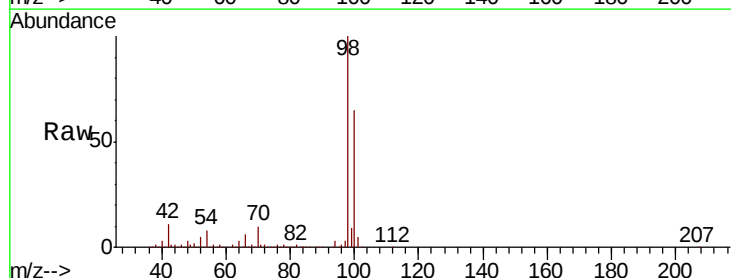


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

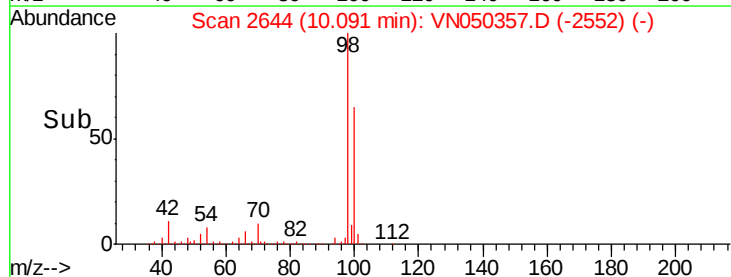
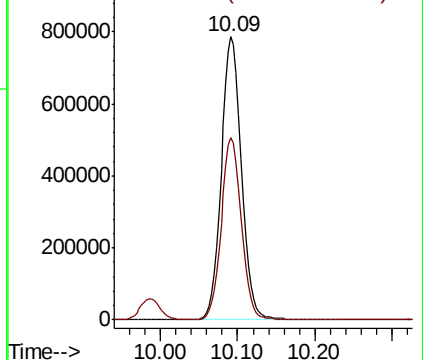


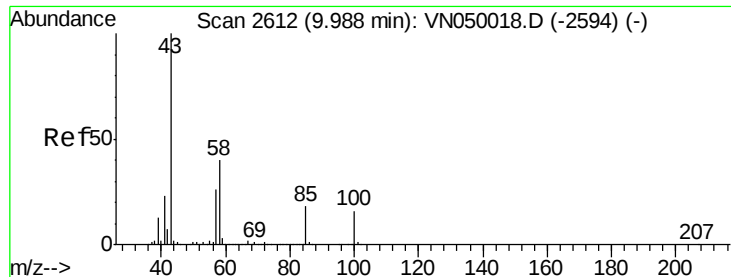
#50
Toluene-d8
Concen: 51.44 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion: 98 Resp: 1426829
Ion Ratio Lower Upper
98 100
100 64.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

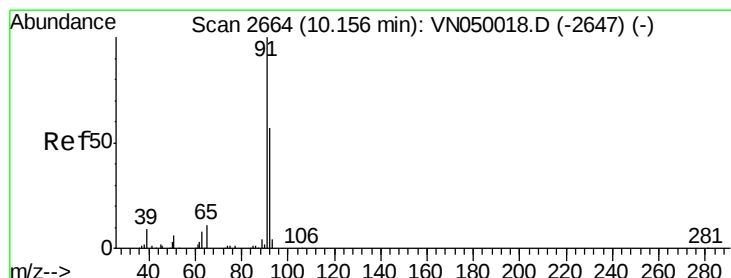
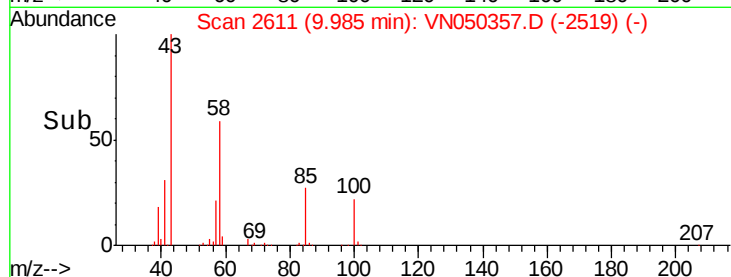
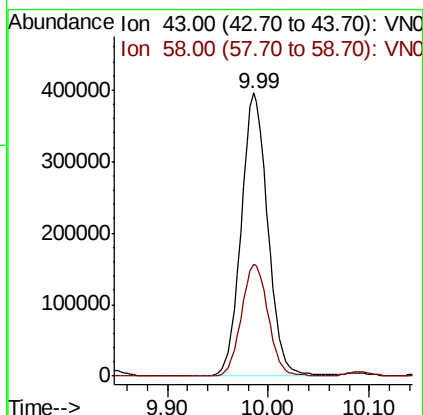
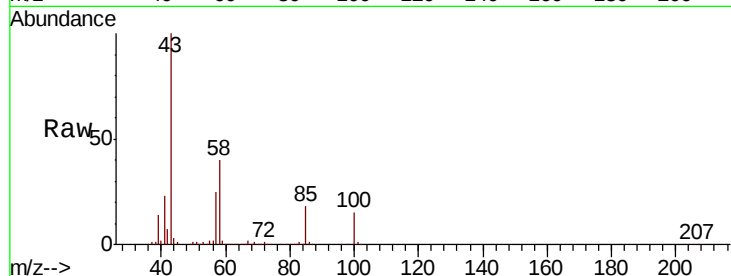




#51
4-Methyl-2-Pentanone
Concen: 100.52 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

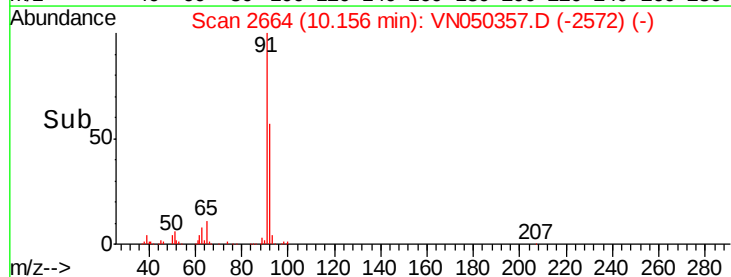
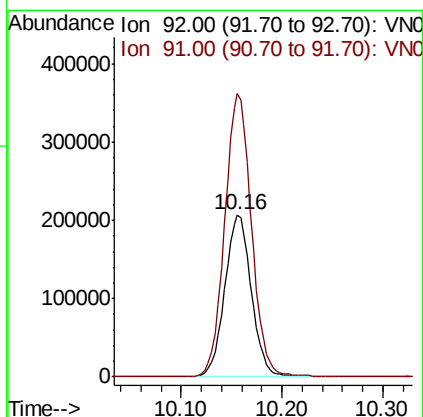
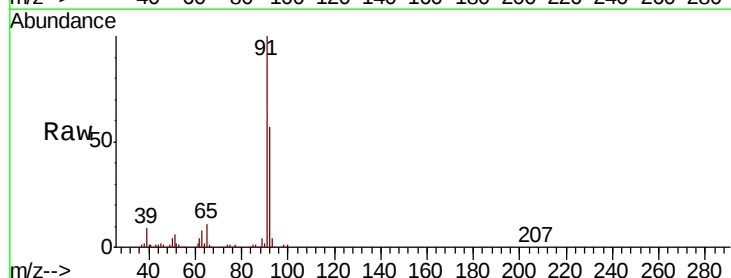
Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

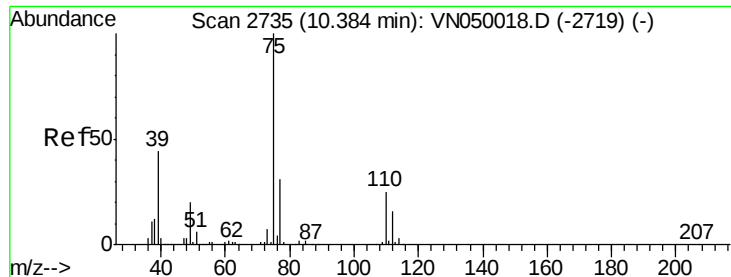
Tot Ion: 43 Resp: 717184
Ion Ratio Lower Upper
43 100
58 40.1 31.9 47.9



#52
Toluene
Concen: 20.36 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion: 92 Resp: 380730
Ion Ratio Lower Upper
92 100
91 175.9 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 20.42 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

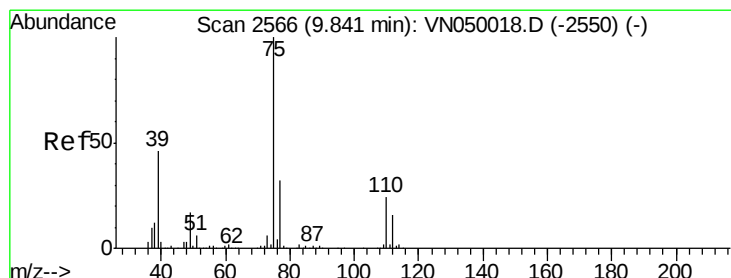
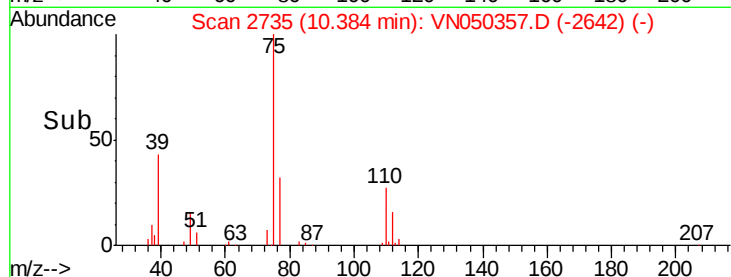
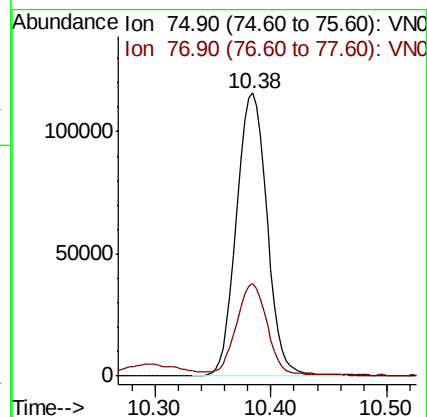
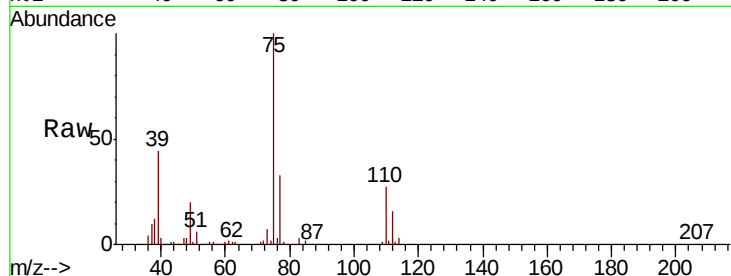
VN0804WBS01

Tot Ion: 75 Resp: 211873

Ion Ratio Lower Upper

75 100

77 32.0 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.49 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

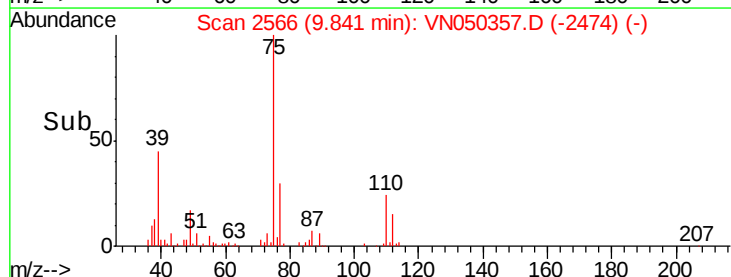
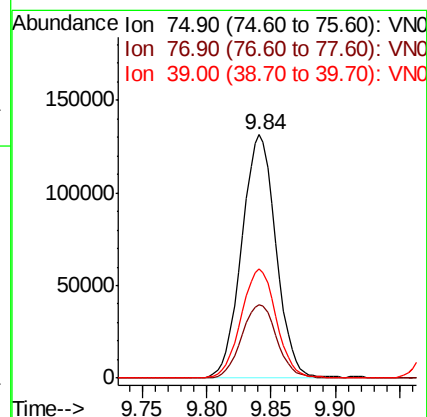
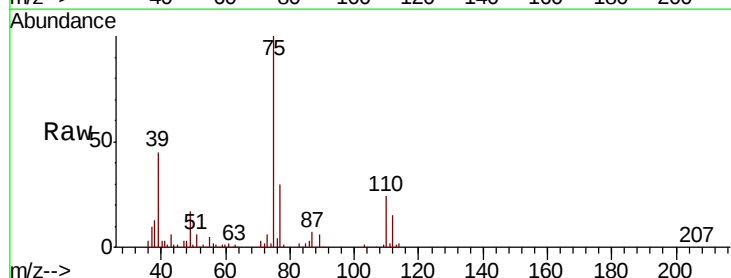
Tgt Ion: 75 Resp: 242925

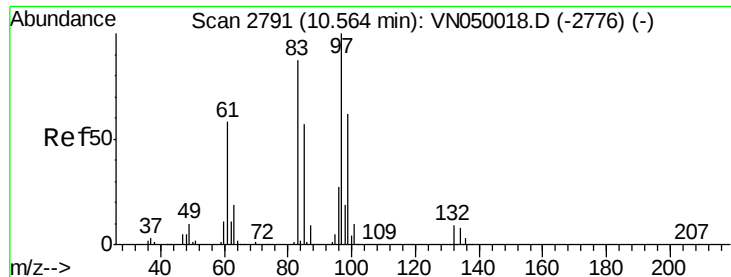
Ion Ratio Lower Upper

75 100

77 30.0 25.5 38.3

39 44.5 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 20.40 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

Tot Ion: 97 Resp: 151315

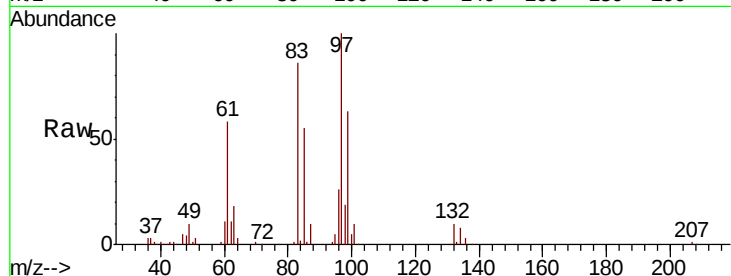
Ion Ratio Lower Upper

97 100

83 86.1 69.2 103.8

85 55.2 44.0 66.0

99 63.4 49.9 74.9

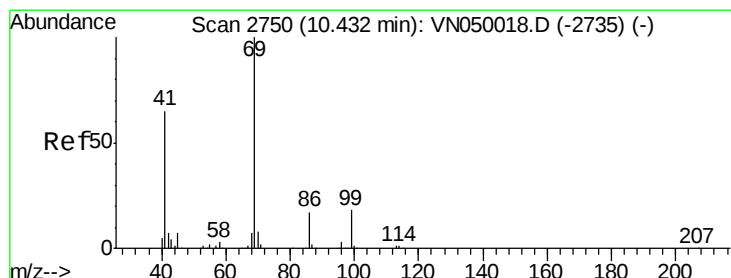
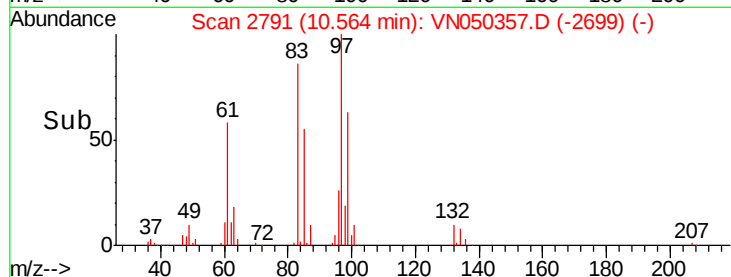
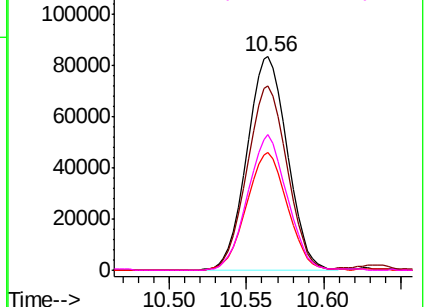


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.07 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

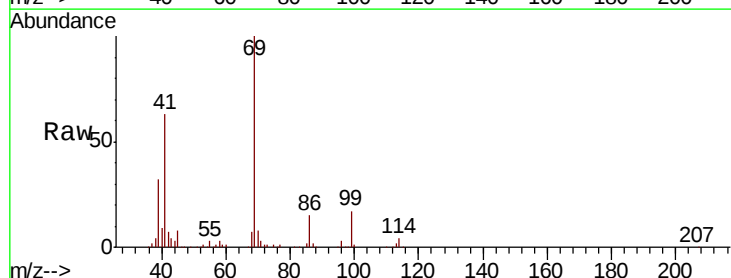
Tgt Ion: 69 Resp: 178435

Ion Ratio Lower Upper

69 100

41 63.1 51.0 76.4

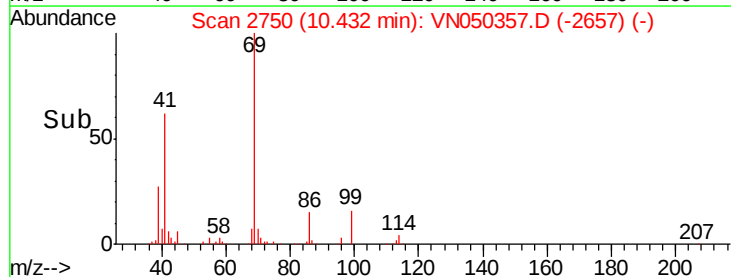
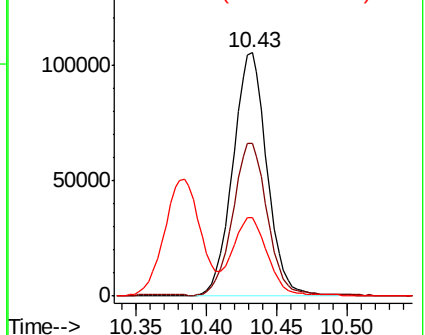
39 32.3 26.6 40.0

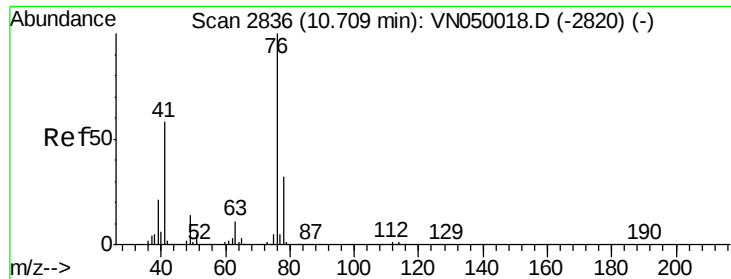


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

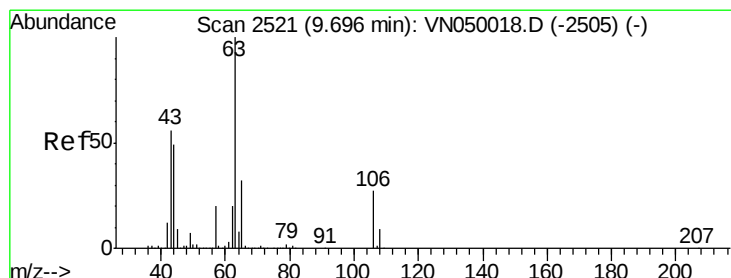
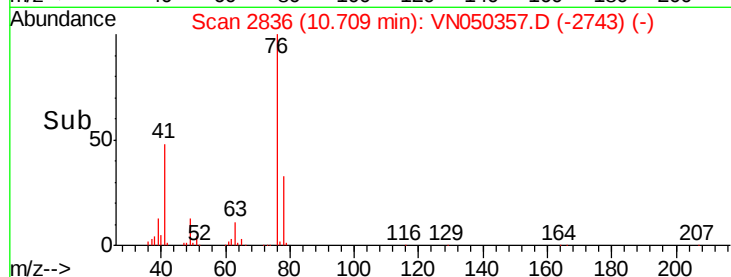
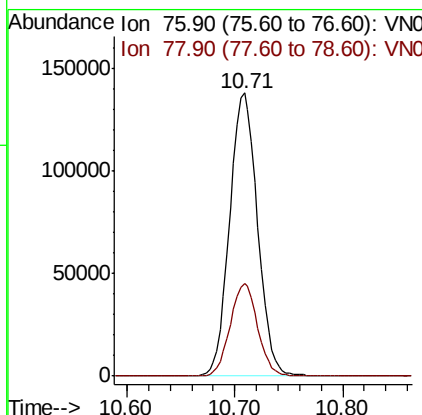
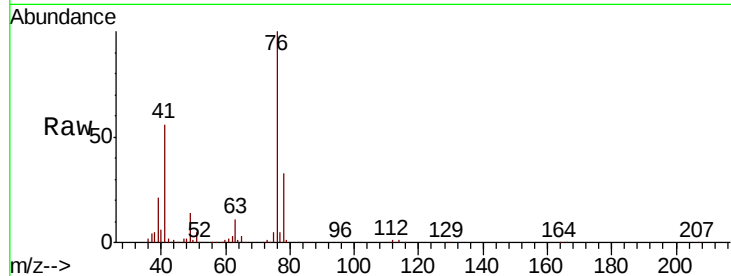




#57
 1,3-Dichloropropane
 Concen: 20.48 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

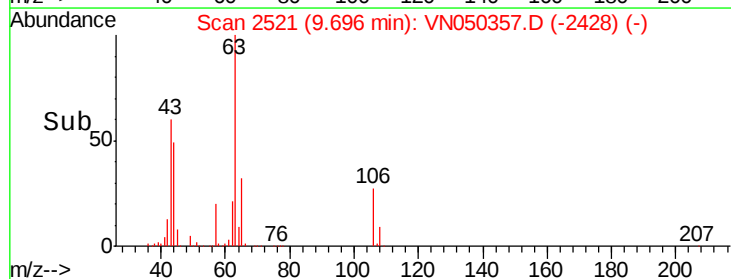
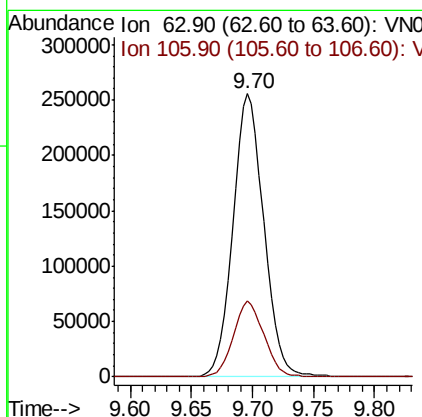
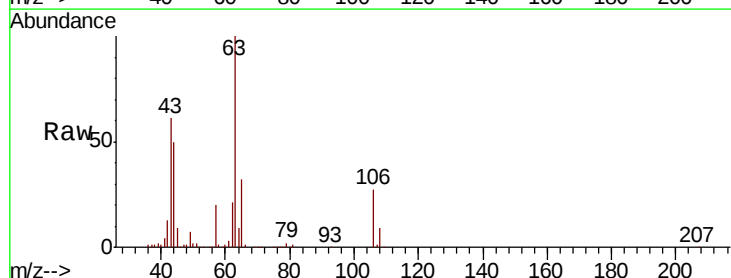
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBS01

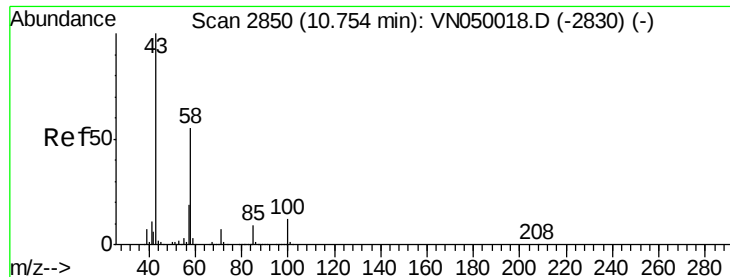
Tot Ion: 76 Resp: 247297
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.78 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion: 63 Resp: 448303
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.7 32.5





#59

2-Hexanone

Concen: 96.95 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

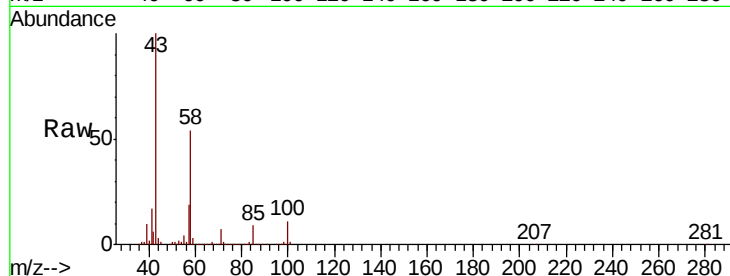
VN0804WBS01

Tot Ion: 43 Resp: 491323

Ion Ratio Lower Upper

43 100

58 54.2 27.6 82.7



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2830) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-2830) (-)

10.75

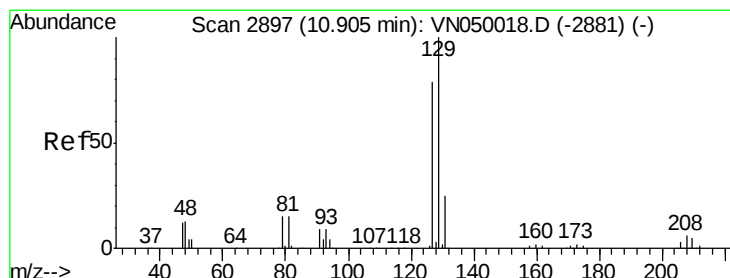
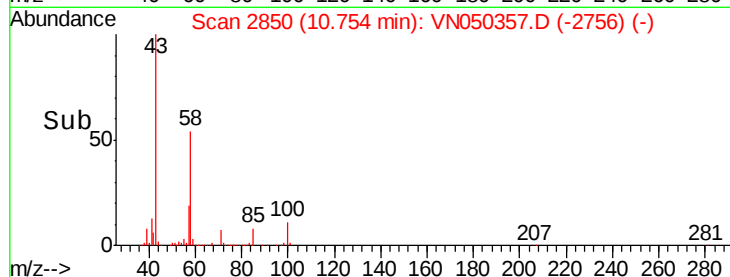
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 20.08 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN050357.D

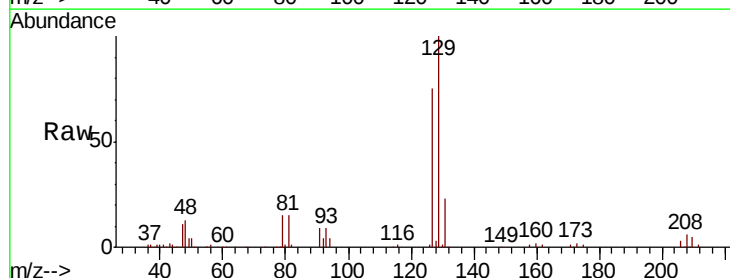
Acq: 4 Aug 2018 11:11

Tgt Ion: 129 Resp: 164894

Ion Ratio Lower Upper

129 100

127 77.1 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): VN050018.D (-2881) (-)

Ion 126.80 (126.50 to 127.50): VN050018.D (-2881) (-)

10.90

100000

80000

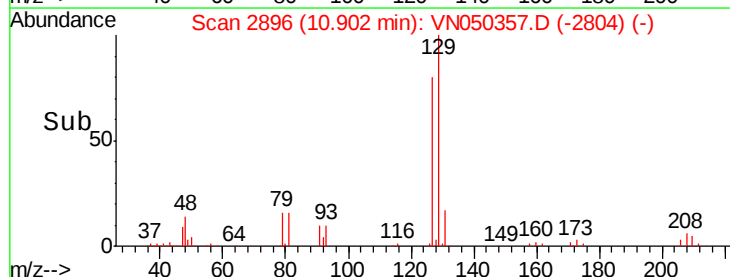
60000

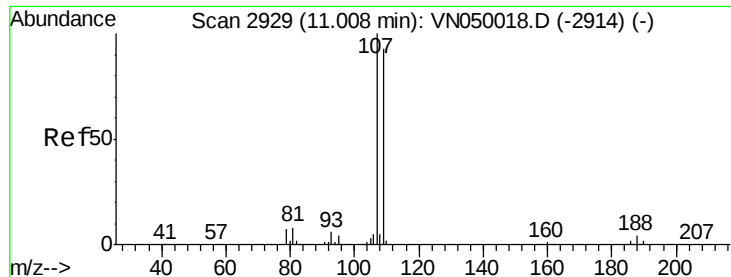
40000

20000

0

Time-->





#61

1,2-Dibromoethane

Concen: 19.49 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

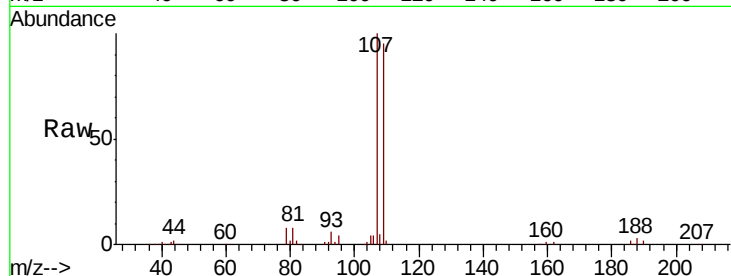
VN0804WBS01

Tot Ion:107 Resp: 143448

Ion Ratio Lower Upper

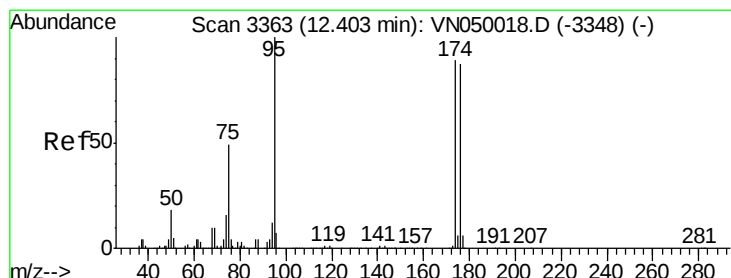
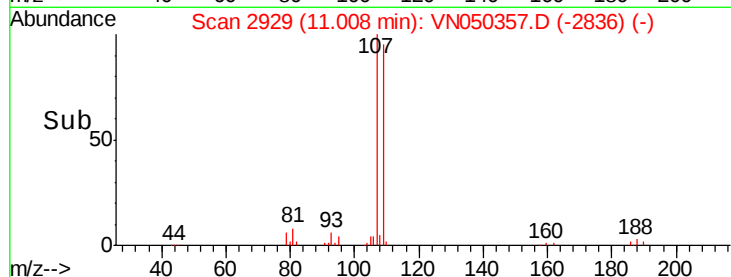
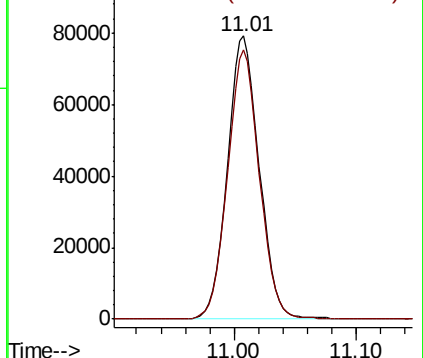
107 100

109 95.1 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.64 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

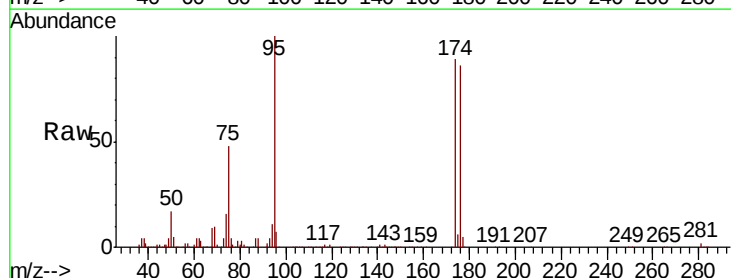
Tgt Ion: 95 Resp: 489886

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.2

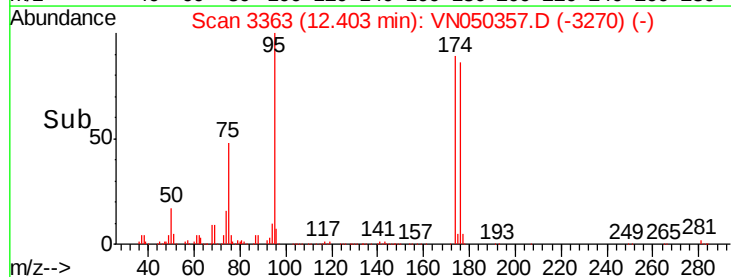
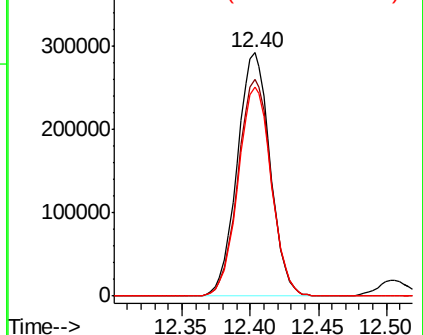
176 86.8 0.0 173.4

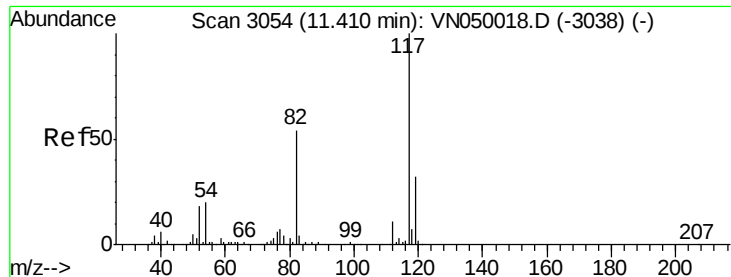


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

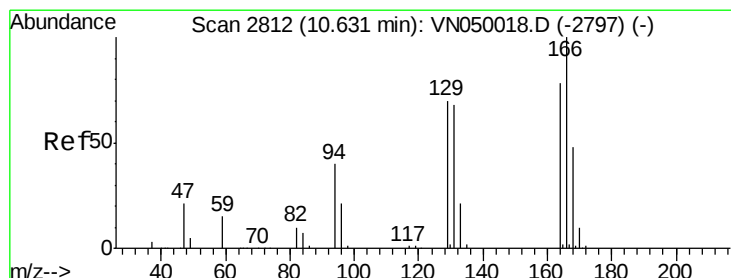
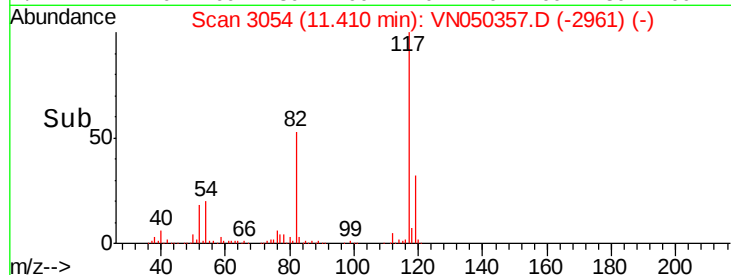
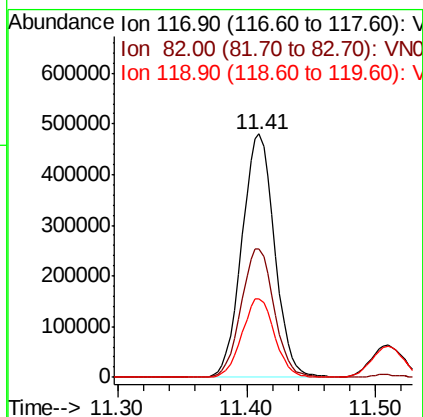
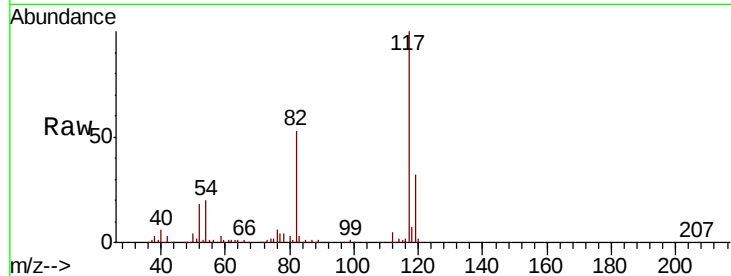




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

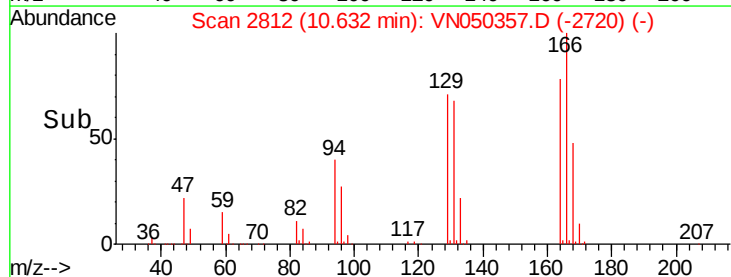
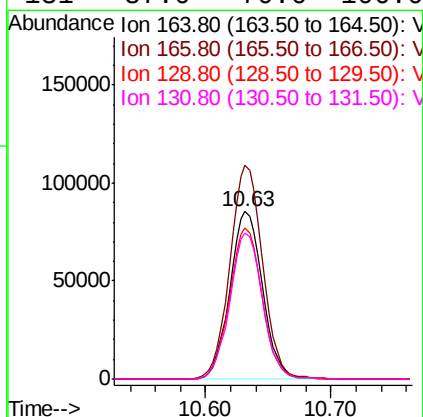
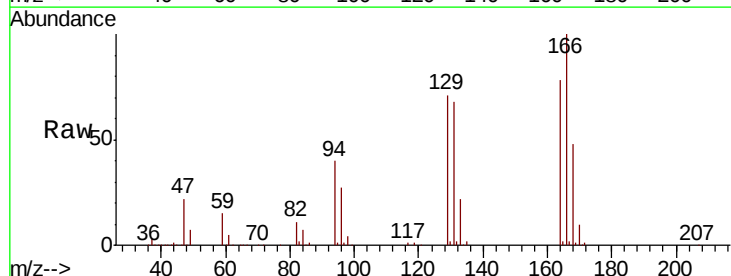
Instrument :
MSVOA_N
ClientSampleId :
VN0804WBS01

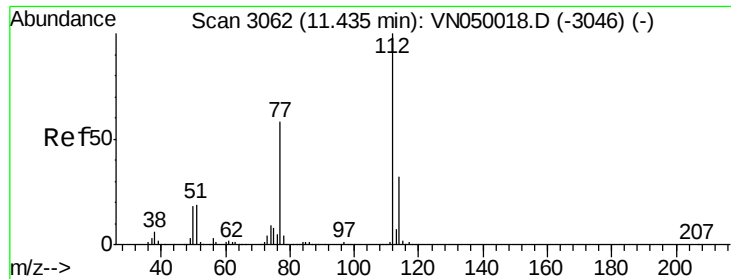
Tot Ion:117 Resp: 847975
Ion Ratio Lower Upper
117 100
82 53.0 43.7 65.5
119 32.4 26.1 39.1



#64
Tetrachloroethene
Concen: 18.92 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion:164 Resp: 154277
Ion Ratio Lower Upper
164 100
166 127.8 102.1 153.1
129 90.3 73.2 109.8
131 87.0 70.6 106.0

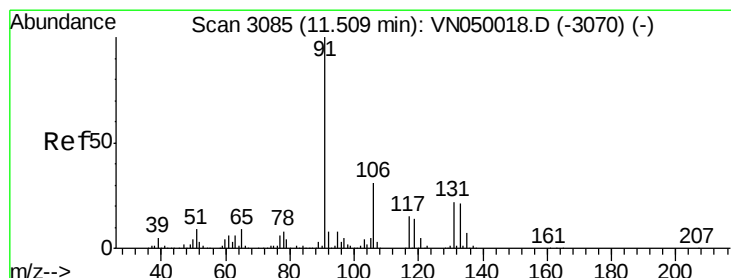
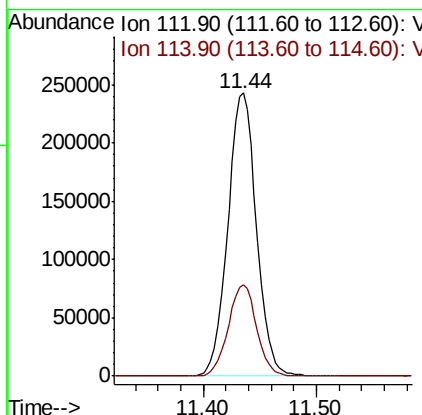
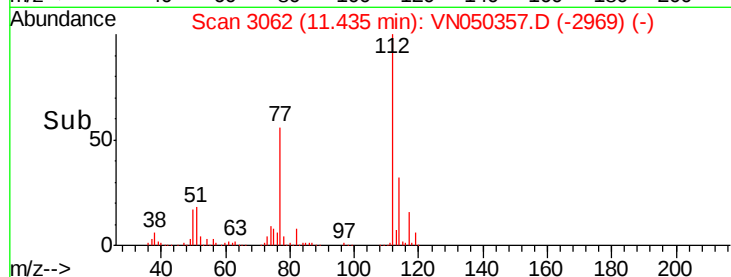
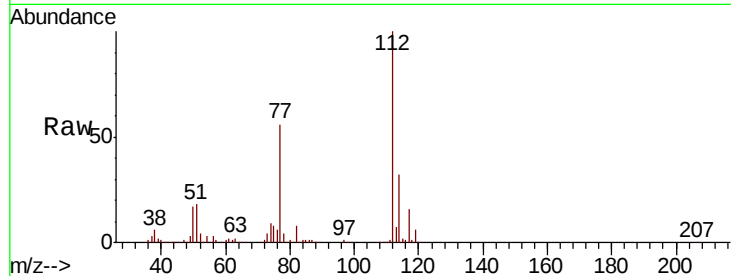




#65
Chlorobenzene
Concen: 19.86 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

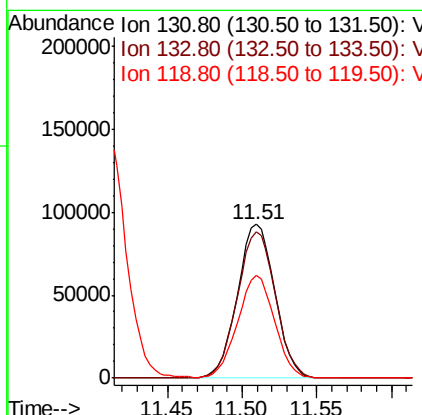
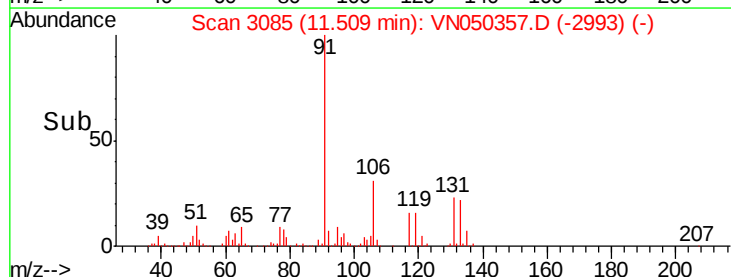
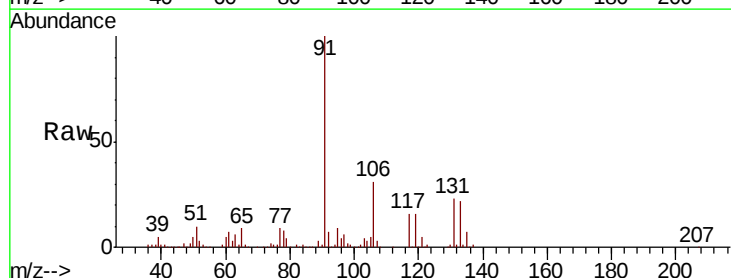
Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

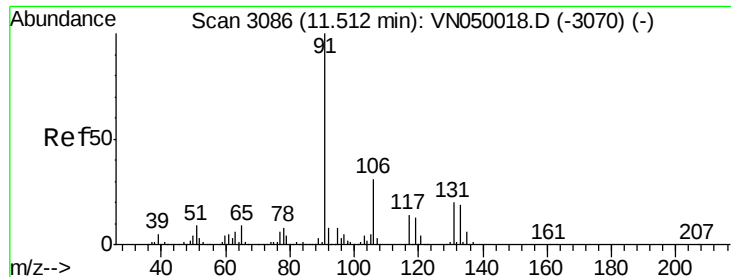
Tot Ion:112 Resp: 425489
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.61 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion:131 Resp: 161360
Ion Ratio Lower Upper
131 100
133 96.8 47.3 141.9
119 66.1 32.9 98.7

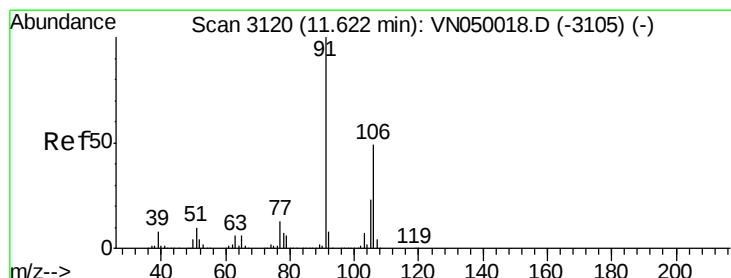
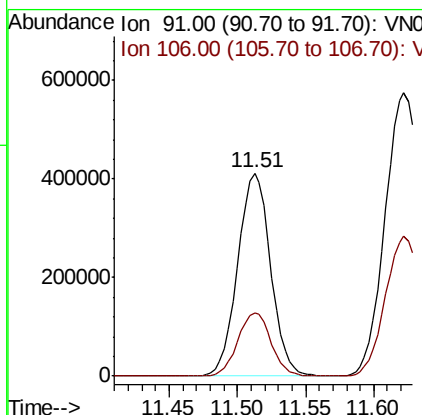
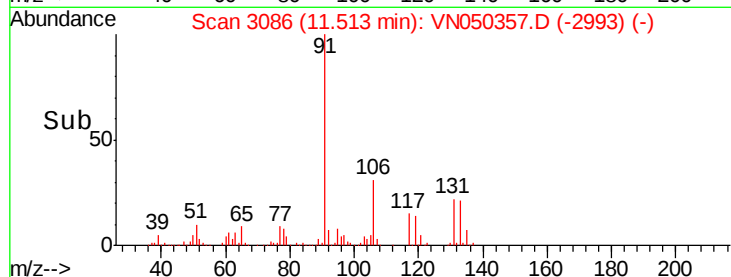
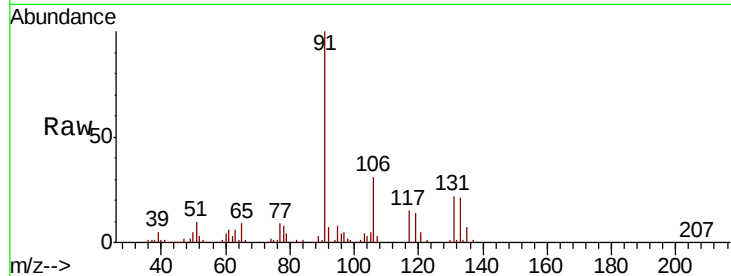




#67
Ethyl Benzene
Concen: 20.08 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

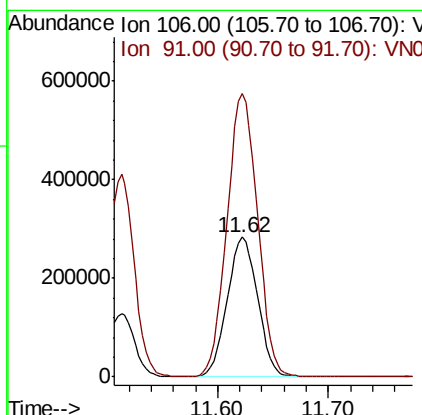
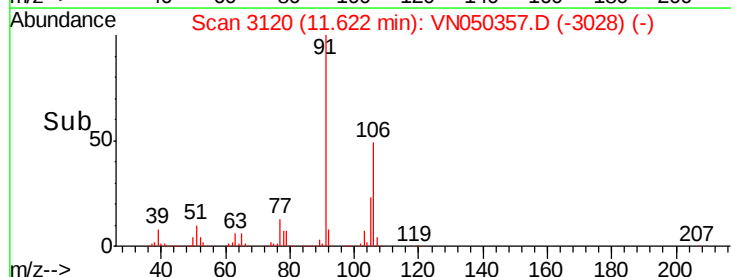
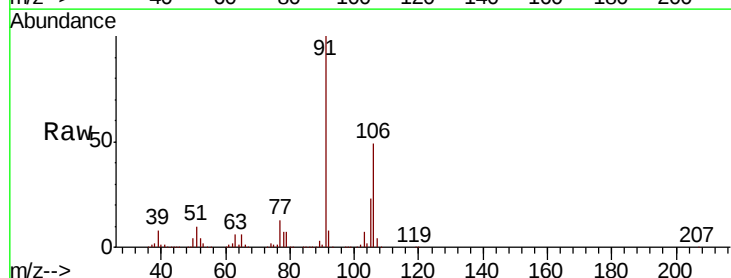
Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

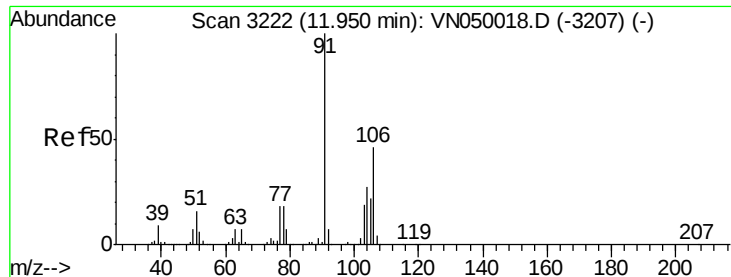
Tot Ion: 91 Resp: 690801
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 41.79 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion: 106 Resp: 543833
Ion Ratio Lower Upper
106 100
91 203.2 162.2 243.2

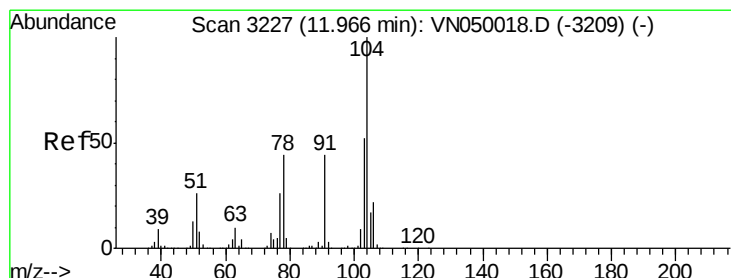
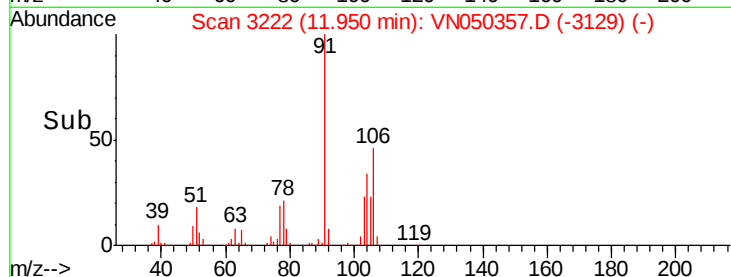
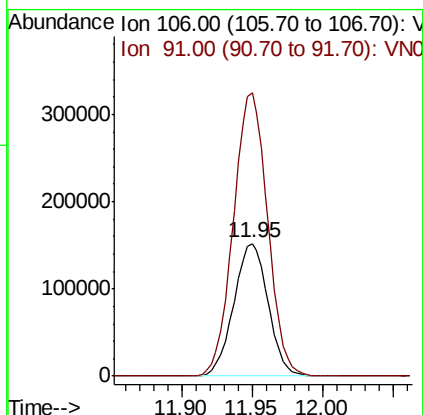
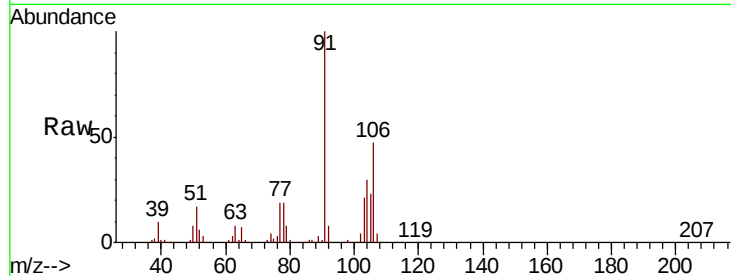




#69
o-Xylene
Concen: 20.87 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

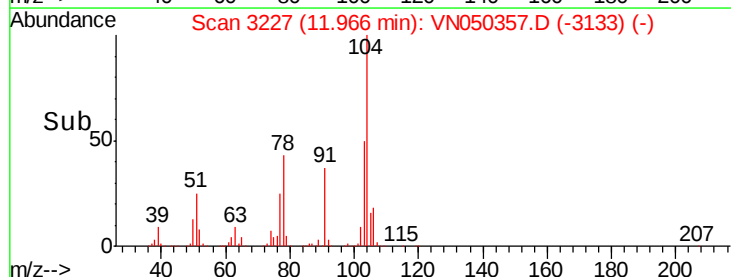
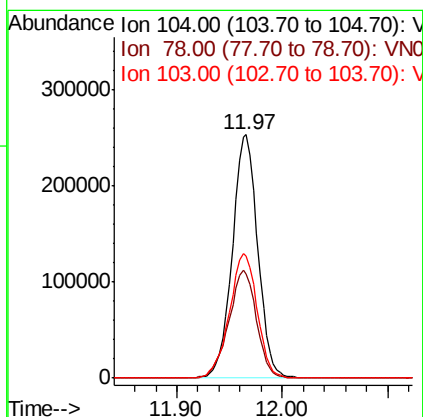
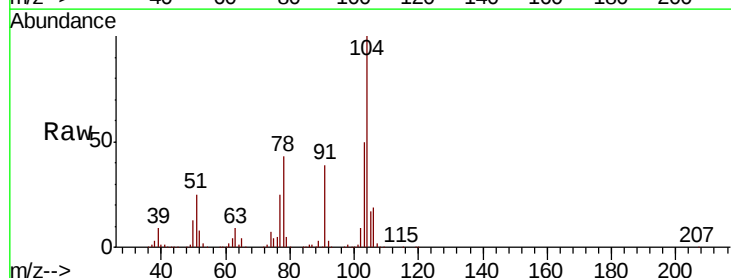
Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

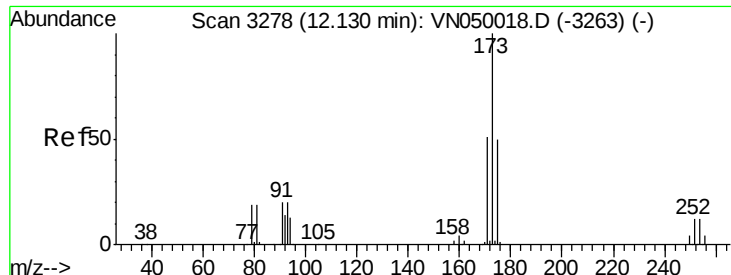
Tot Ion:106 Resp: 258971
Ion Ratio Lower Upper
106 100
91 213.5 107.7 323.1



#70
Styrene
Concen: 19.75 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion:104 Resp: 423235
Ion Ratio Lower Upper
104 100
78 48.3 39.3 58.9
103 55.9 45.0 67.6

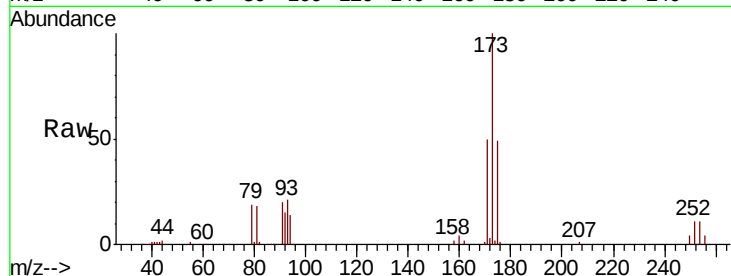




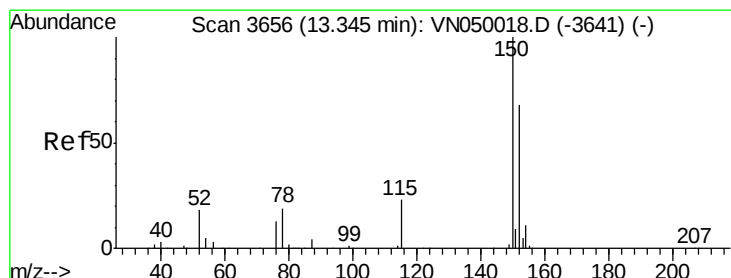
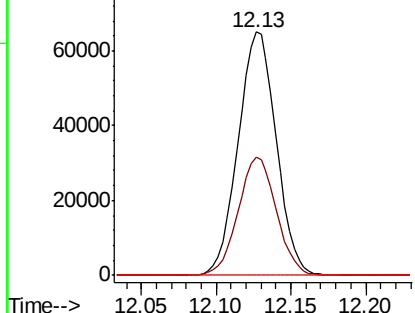
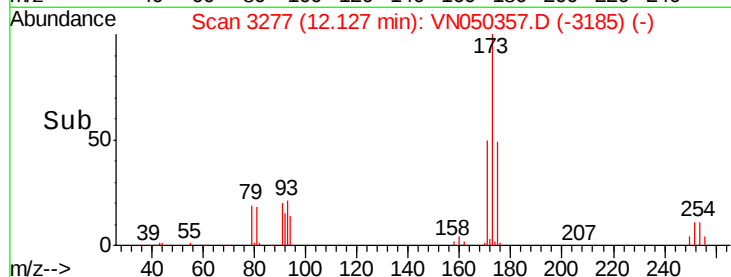
#71
Bromoform
Concen: 19.25 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBS01

Tot Ion:173 Resp: 115259
Ion Ratio Lower Upper
173 100
175 48.6 24.1 72.2
254 0.0 0.2 0.2#

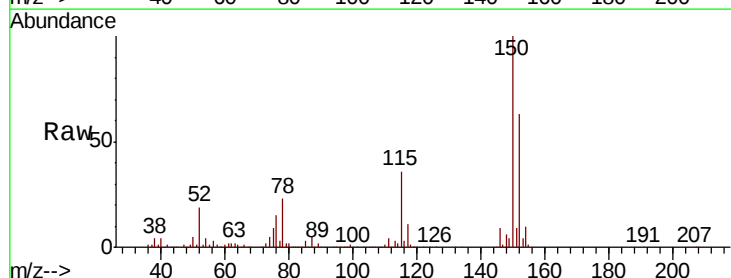


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

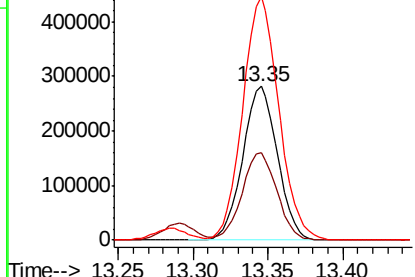
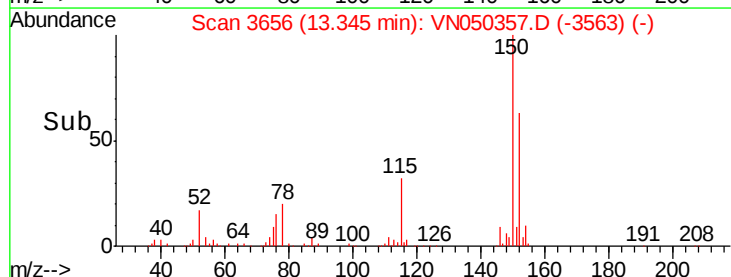


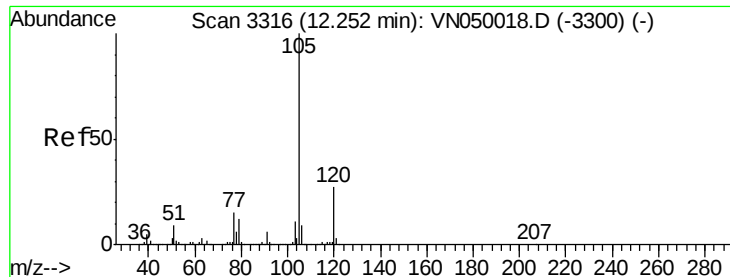
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion:152 Resp: 454447
Ion Ratio Lower Upper
152 100
115 56.7 27.8 83.3
150 165.2 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: 19.67 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

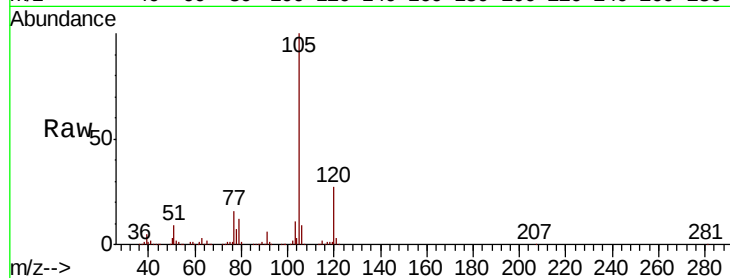
VN0804WBS01

Tot Ion:105 Resp: 693320

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

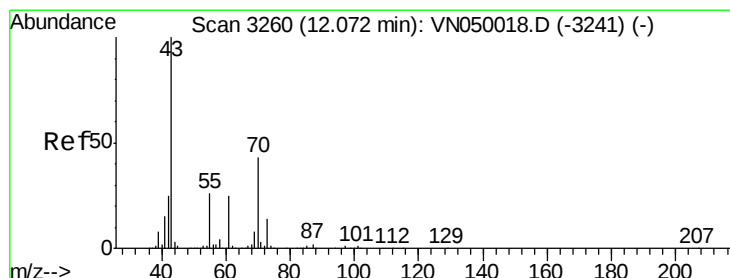
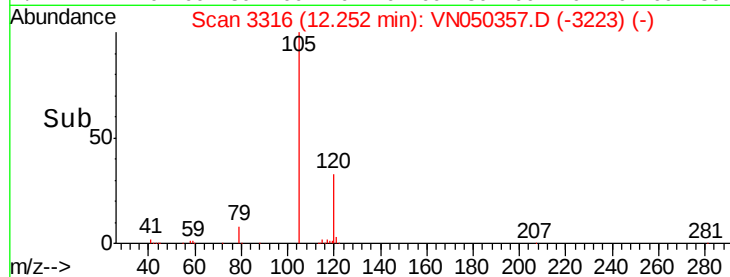
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.73 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Tgt Ion: 43 Resp: 201798

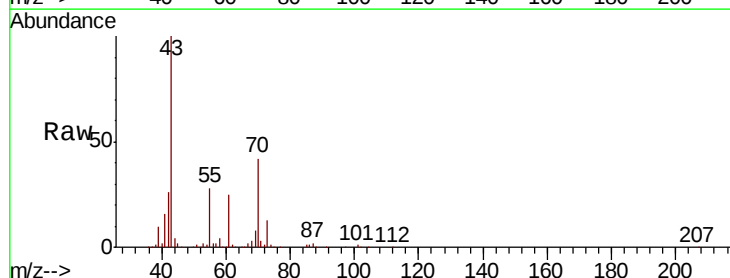
Ion Ratio Lower Upper

43 100

70 42.6 34.4 51.6

55 27.8 20.8 31.2

61 24.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

200000

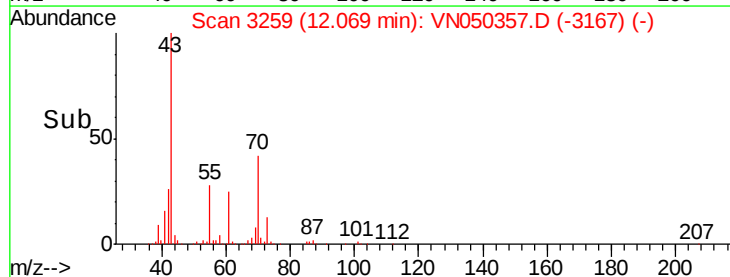
150000

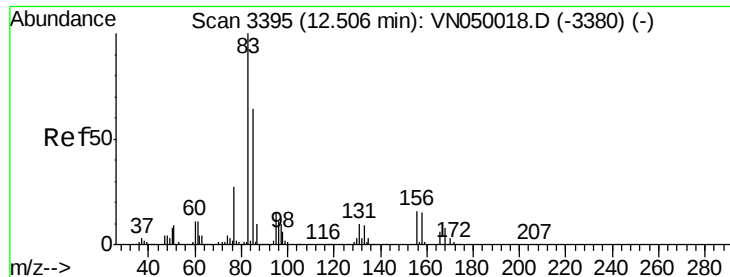
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.66 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBS01

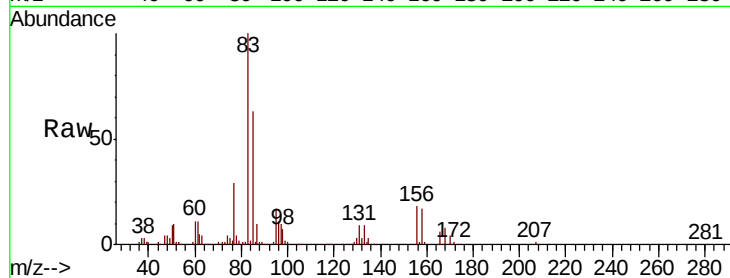
Tot Ion: 83 Resp: 195186

Ion Ratio Lower Upper

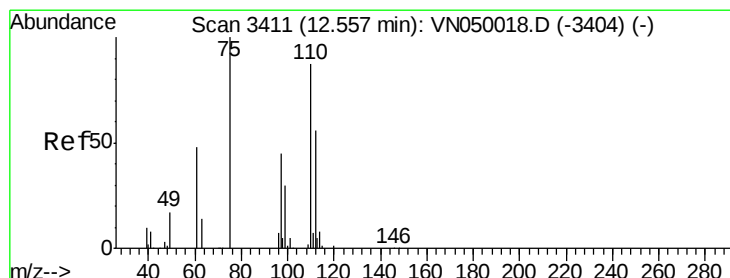
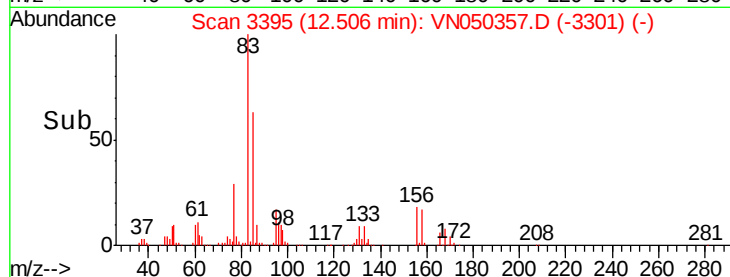
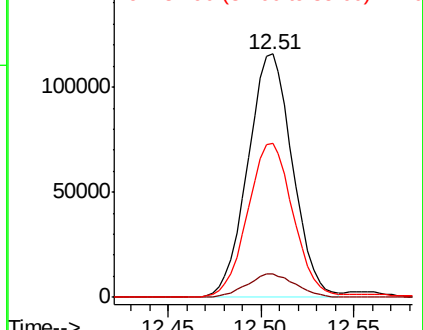
83 100

131 10.4 5.1 15.3

85 64.2 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: 27.56 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050357.D

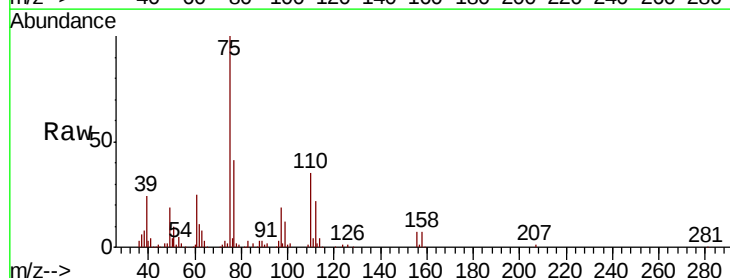
Acq: 4 Aug 2018 11:11

Tgt Ion: 75 Resp: 232771

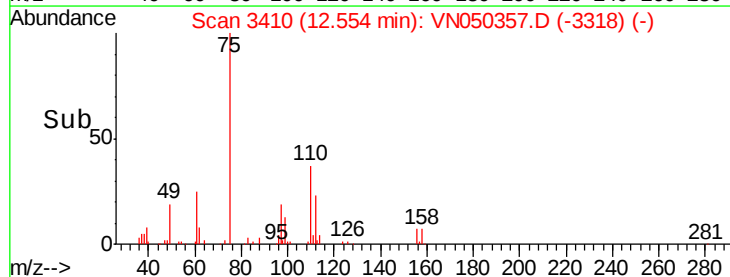
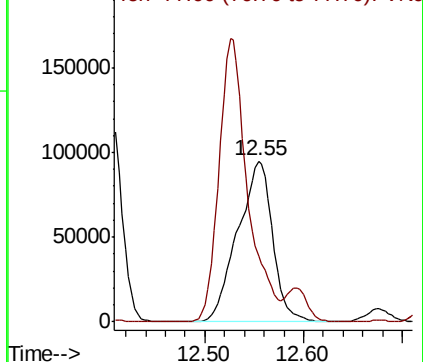
Ion Ratio Lower Upper

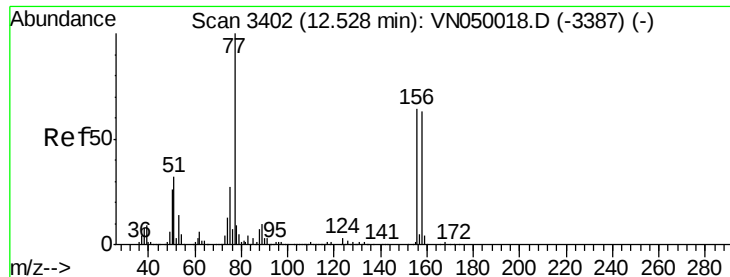
75 100

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: 18.87 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBS01

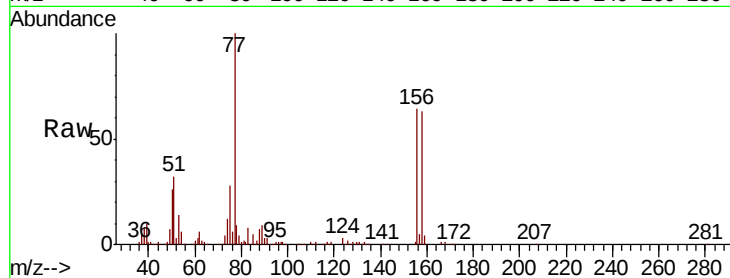
Tot Ion:156 Resp: 184358

Ion Ratio Lower Upper

156 100

77 185.5 91.7 275.1

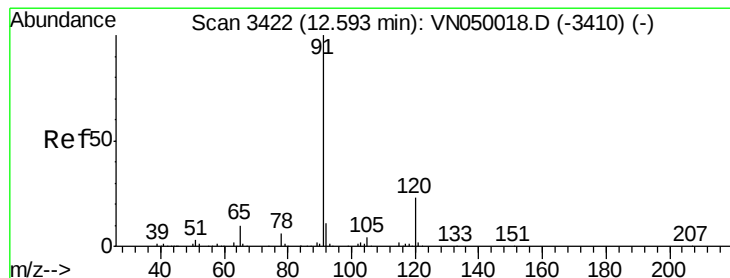
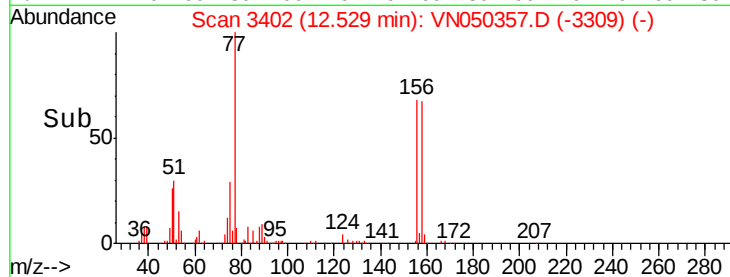
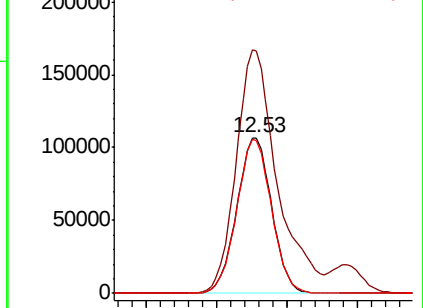
158 98.6 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.57 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050357.D

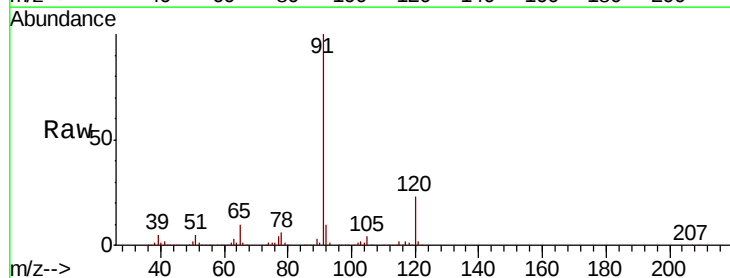
Acq: 4 Aug 2018 11:11

Tgt Ion: 91 Resp: 810231

Ion Ratio Lower Upper

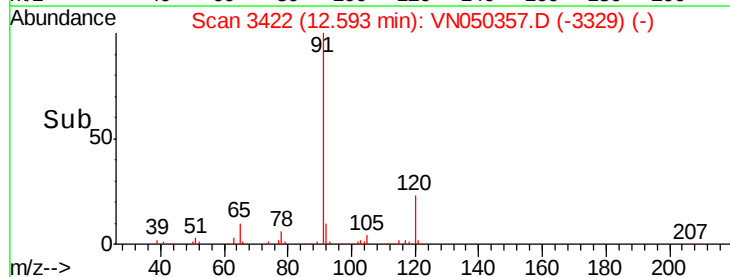
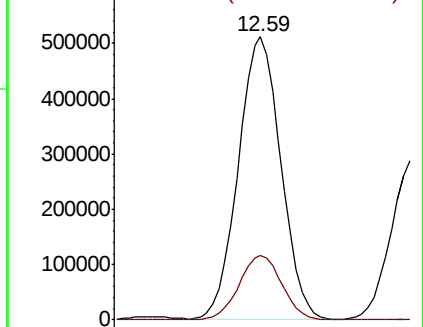
91 100

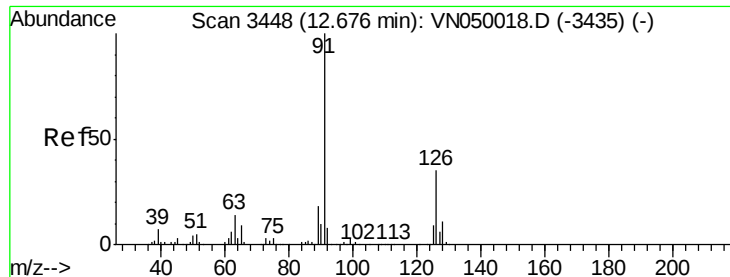
120 22.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

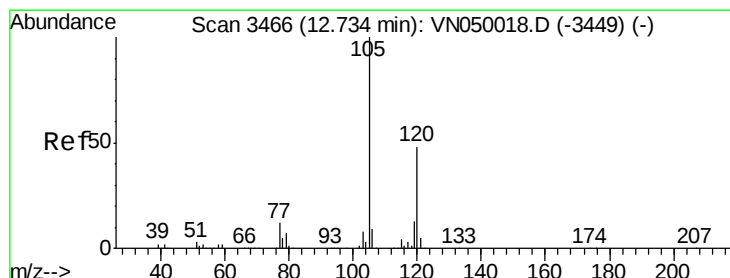
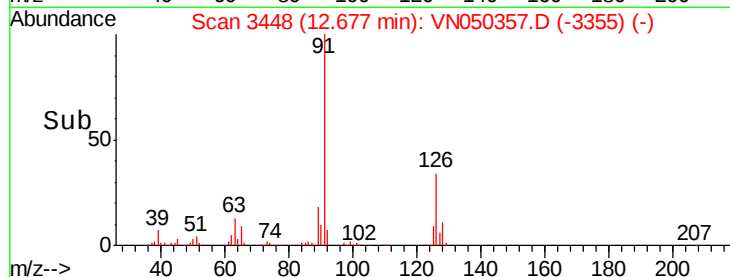
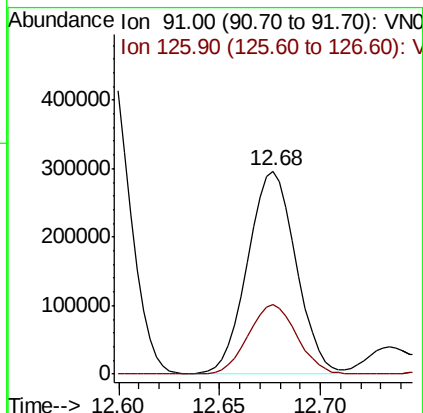
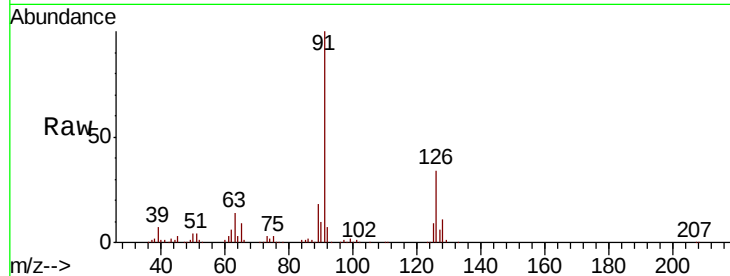




#79
 2-Chlorotoluene
 Concen: 20.23 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

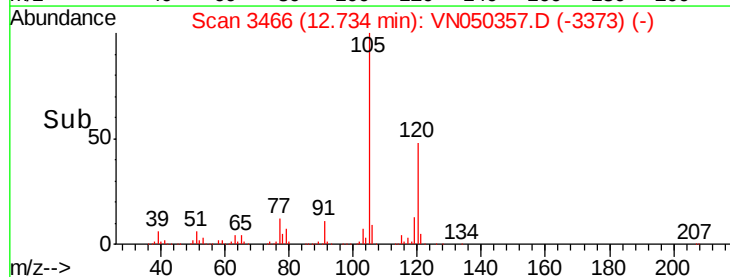
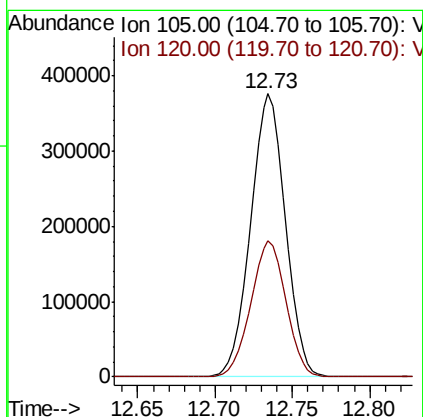
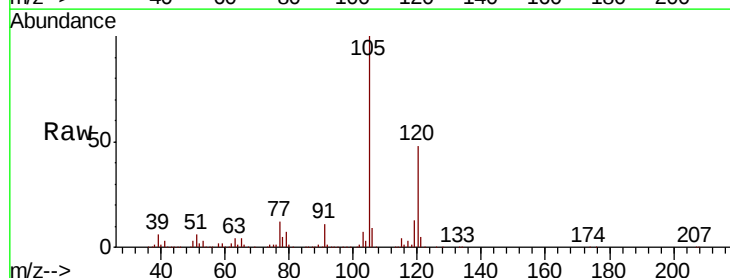
Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBS01

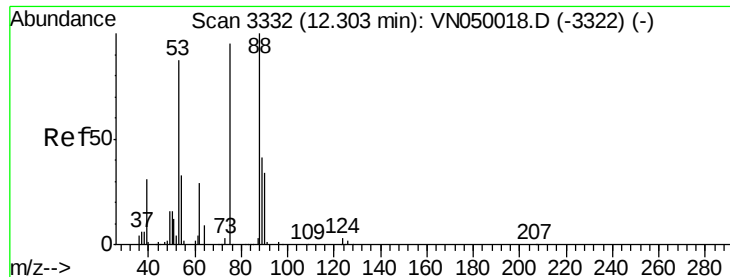
Tot Ion: 91 Resp: 493932
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.17 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion: 105 Resp: 586776
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.4 73.2

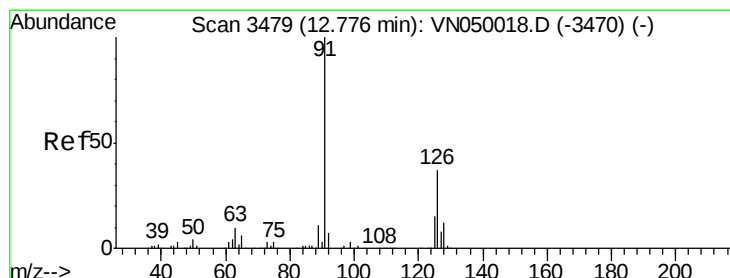
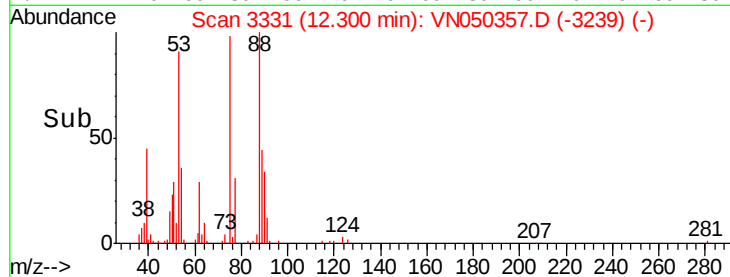
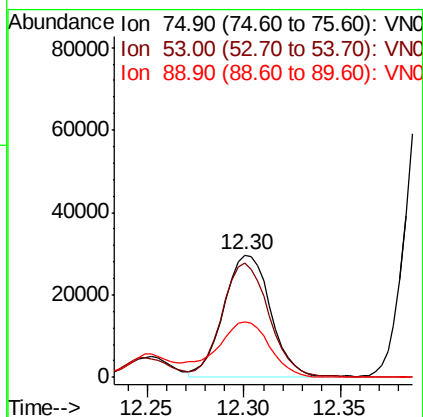
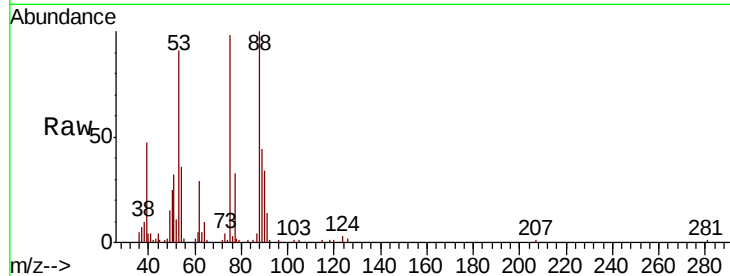




#81
trans-1,4-Dichloro-2-butene
Concen: 18.49 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

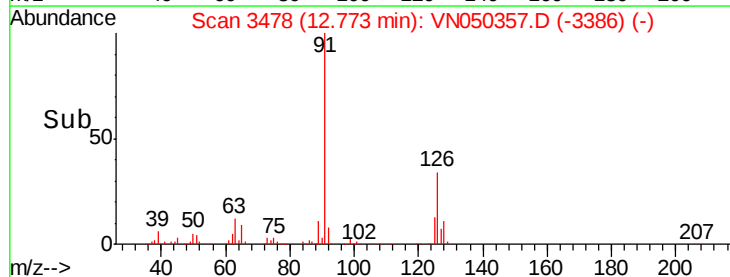
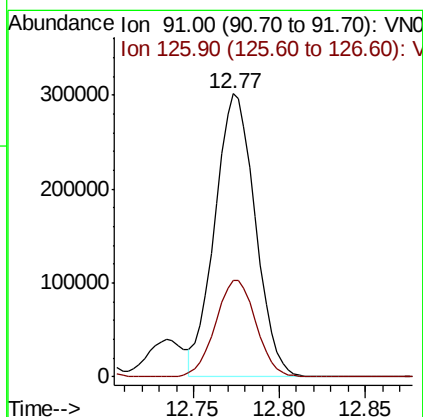
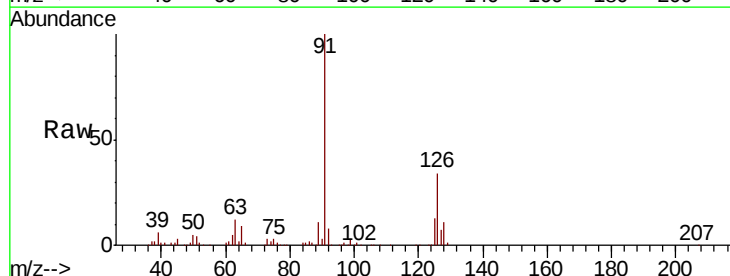
Instrument :
MSVOA_N
ClientSampleId :
VN0804WBS01

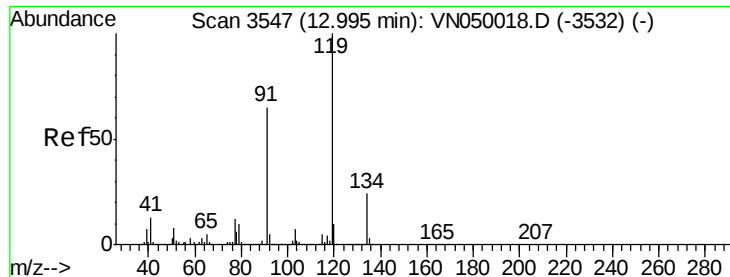
Tot Ion: 75 Resp: 49238
Ion Ratio Lower Upper
75 100
53 95.8 73.5 110.3
89 50.2 36.0 54.0



#82
4-Chlorotoluene
Concen: 20.43 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion: 91 Resp: 493930
Ion Ratio Lower Upper
91 100
126 34.4 17.0 51.0

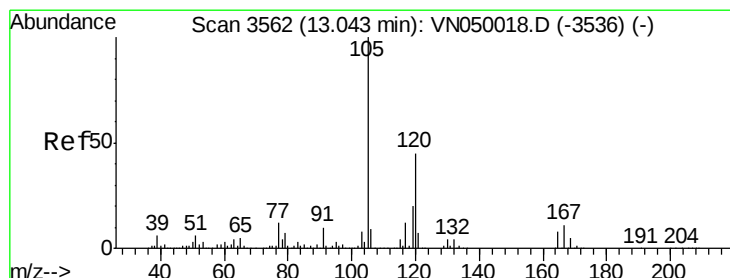
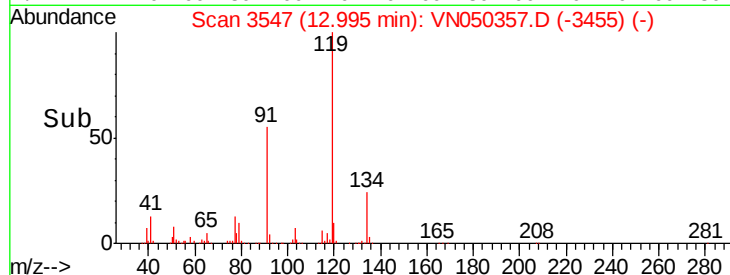
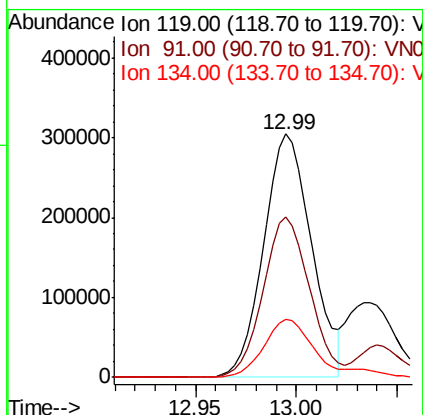
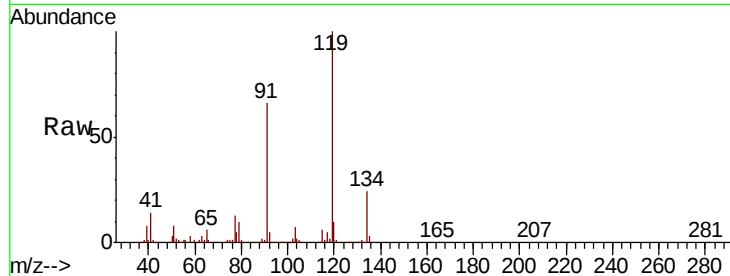




#83
 tert-Butylbenzene
 Concen: 20.82 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

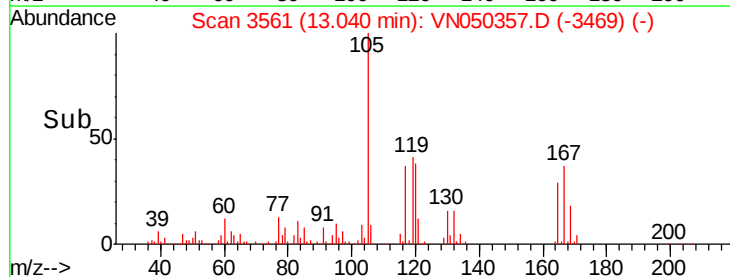
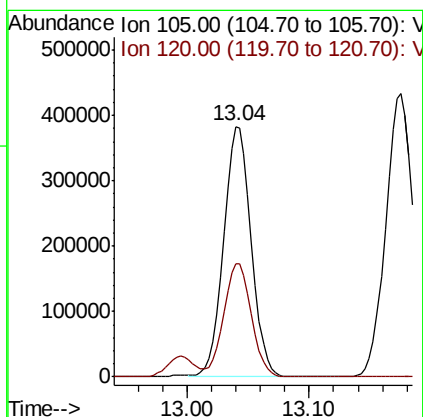
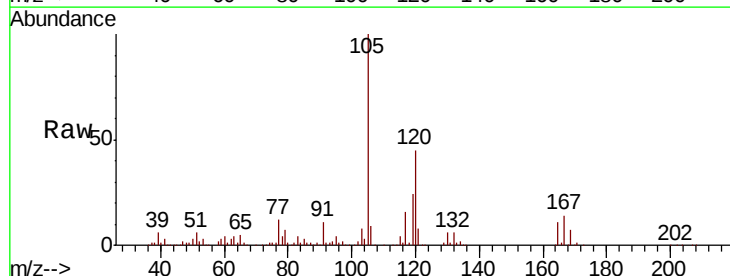
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBS01

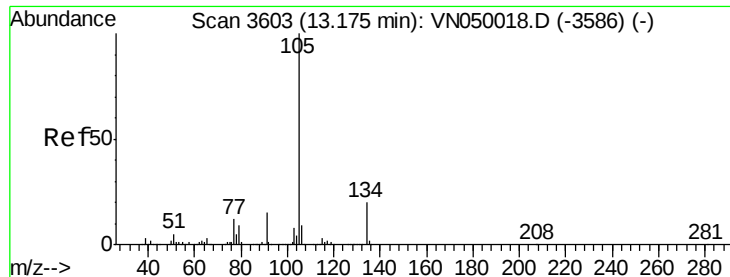
Tot Ion:119 Resp: 503684
 Ion Ratio Lower Upper
 119 100
 91 63.8 32.1 96.3
 134 23.9 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.58 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion:105 Resp: 603111
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.7





#85

sec-Butylbenzene

Concen: 21.21 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

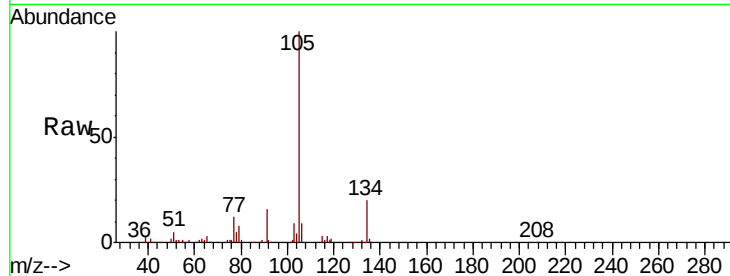
VN0804WBS01

Tot Ion:105 Resp: 685616

Ion Ratio Lower Upper

105 100

134 19.9 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

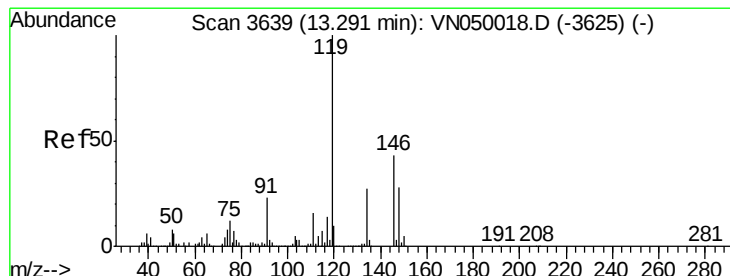
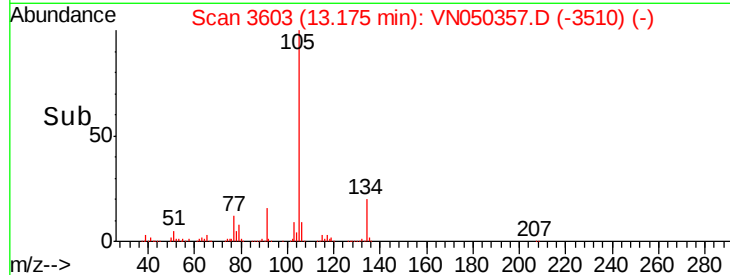
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.78 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

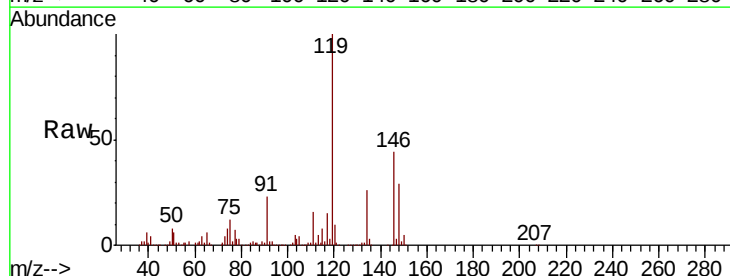
Tgt Ion:119 Resp: 593308

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 22.8 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

13.29

400000

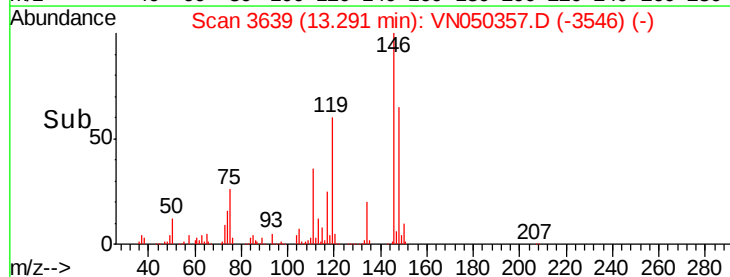
300000

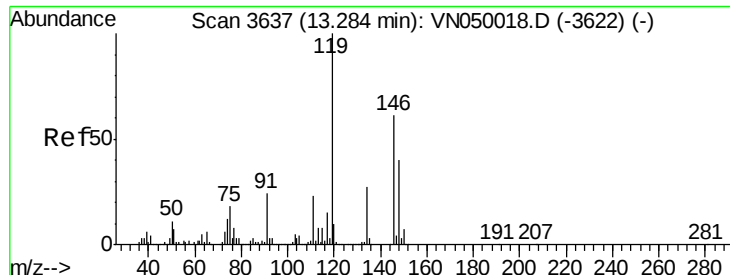
200000

100000

0

Time-->

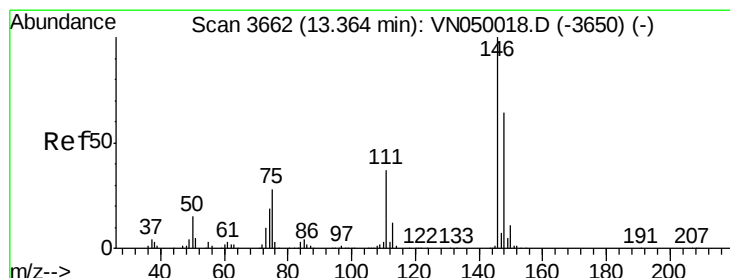
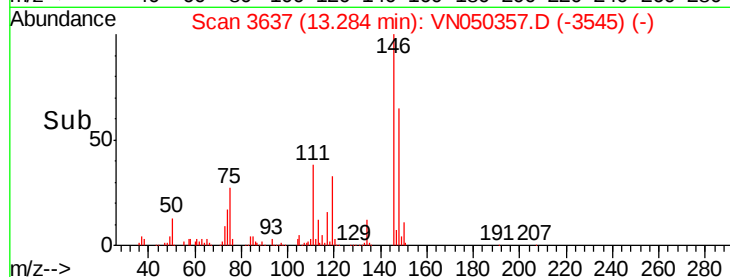
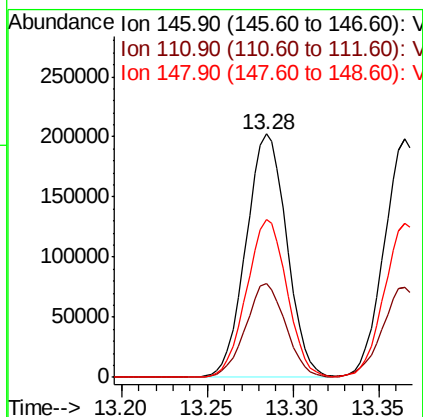
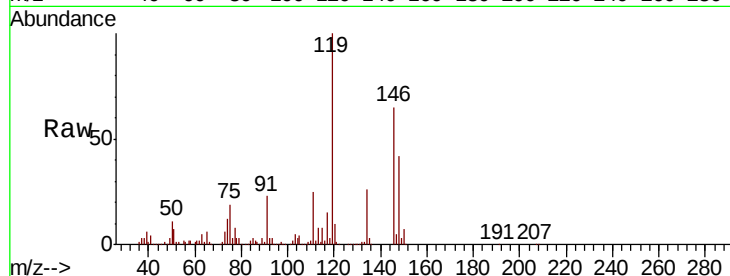




#87
 1,3-Dichlorobenzene
 Concen: 20.05 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

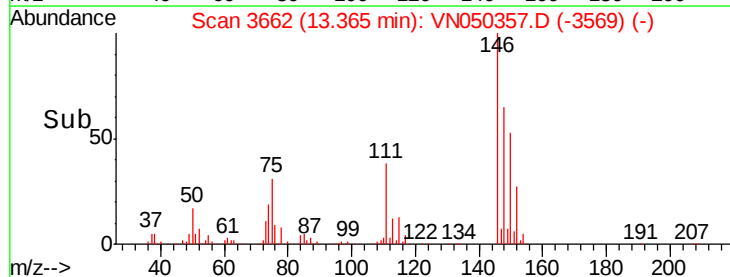
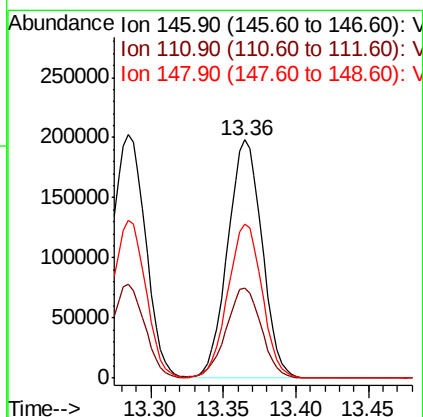
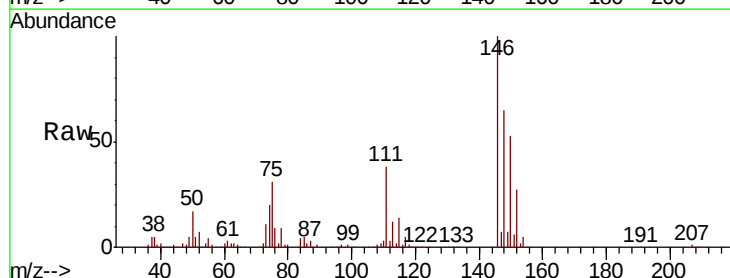
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBS01

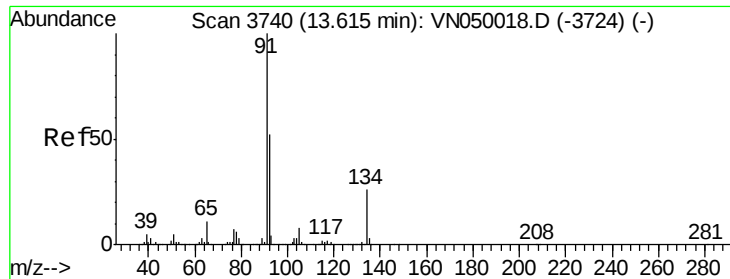
Tot Ion:146 Resp: 332009
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.4
 148 64.3 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 20.17 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion:146 Resp: 325529
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.3 54.9
 148 64.5 31.9 95.9





#89

n-Butylbenzene

Concen: 21.43 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

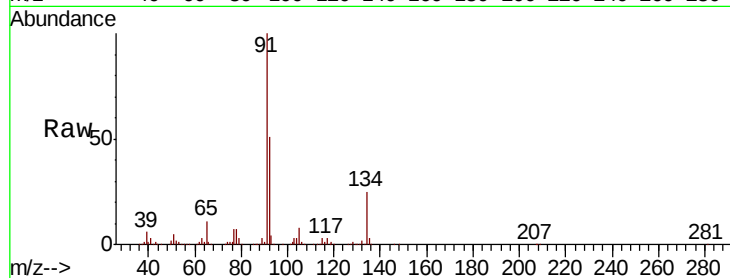
Tot Ion: 91 Resp: 479991

Ion Ratio Lower Upper

91 100

92 50.7 25.8 77.4

134 25.6 12.8 38.4

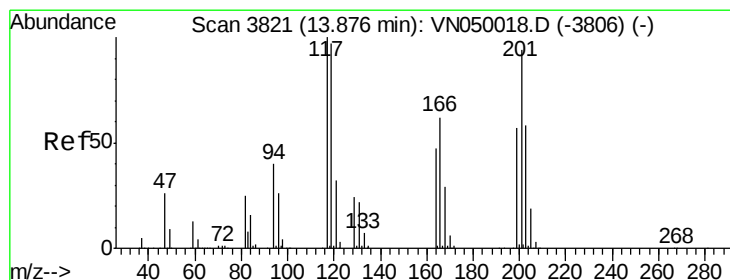
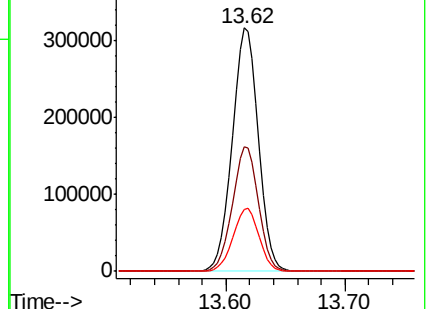
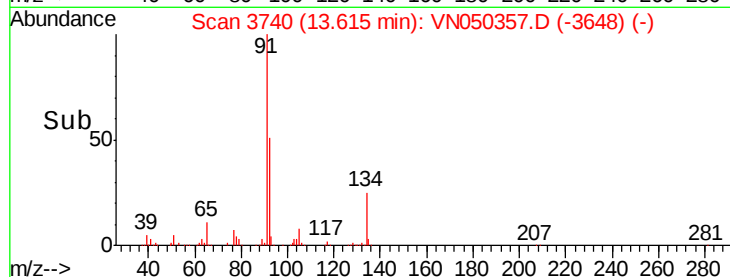


Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3724) (-)

Ion 92.00 (91.70 to 92.70): VN050018.D (-3724) (-)

Ion 134.00 (133.70 to 134.70): VN050018.D (-3724) (-)

Time-->



#90

Hexachloroethane

Concen: 16.68 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050357.D

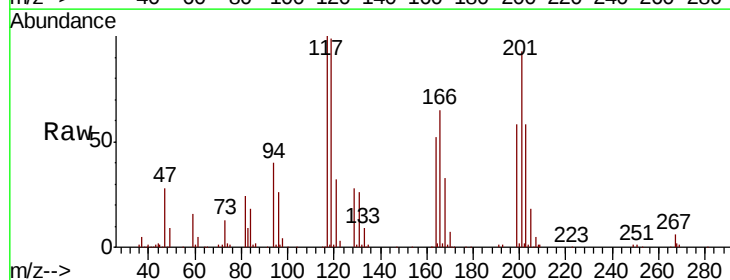
Acq: 4 Aug 2018 11:11

Tgt Ion: 117 Resp: 100909

Ion Ratio Lower Upper

117 100

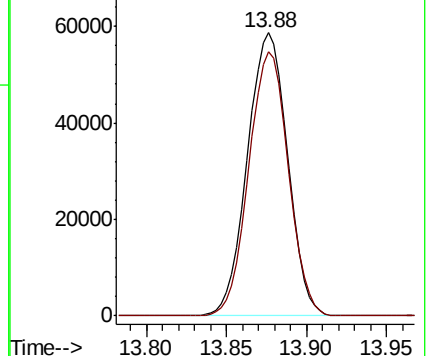
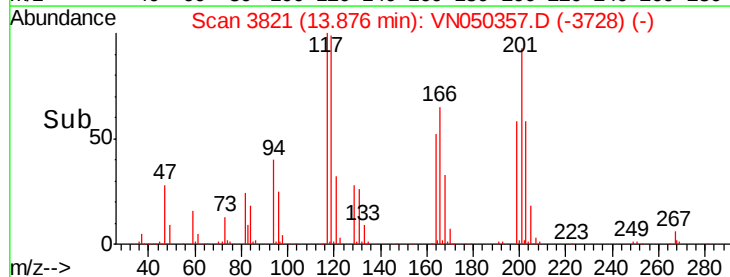
201 91.7 45.6 136.8

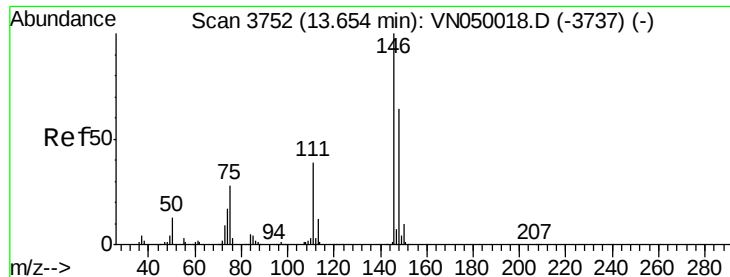


Abundance Ion 116.80 (116.50 to 117.50): VN050018.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050018.D (-3806) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 19.73 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

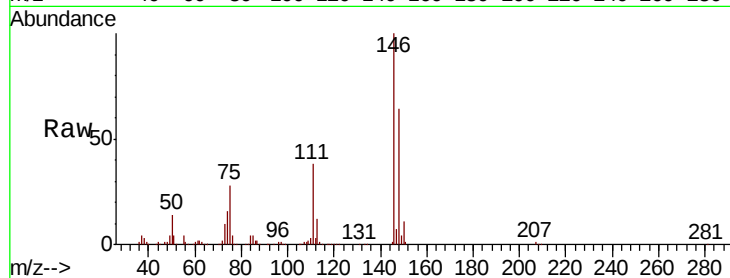
Tot Ion:146 Resp: 326563

Ion Ratio Lower Upper

146 100

111 38.9 19.6 58.7

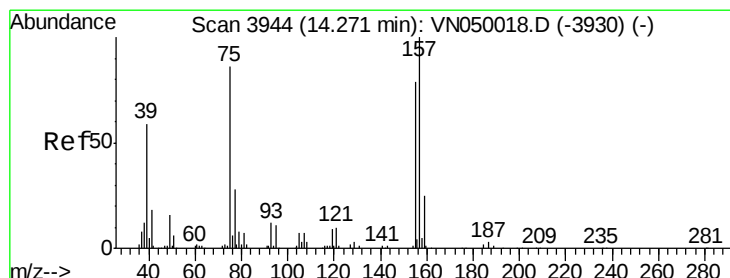
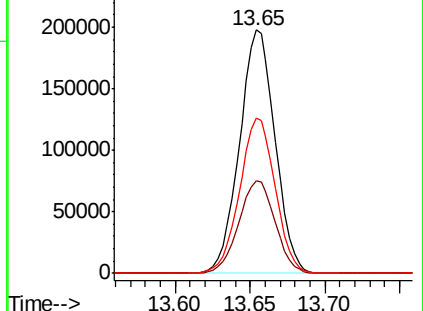
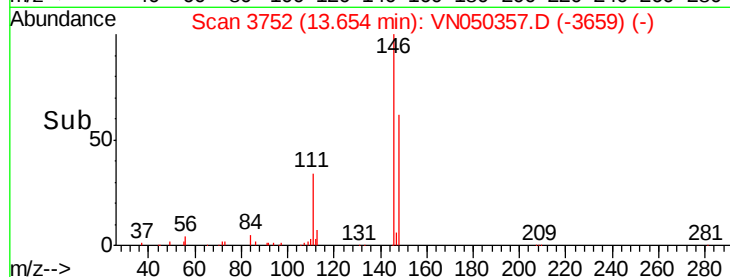
148 63.7 32.1 96.3



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: 18.56 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

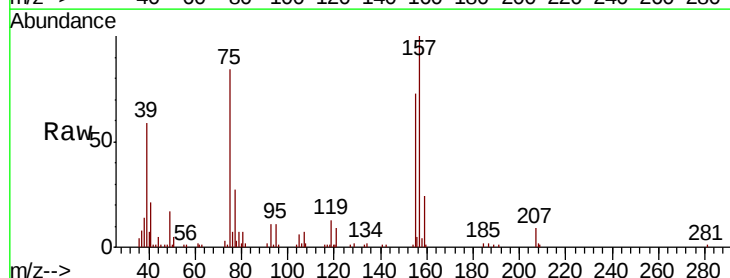
Tgt Ion: 75 Resp: 29951

Ion Ratio Lower Upper

75 100

155 87.7 44.8 134.4

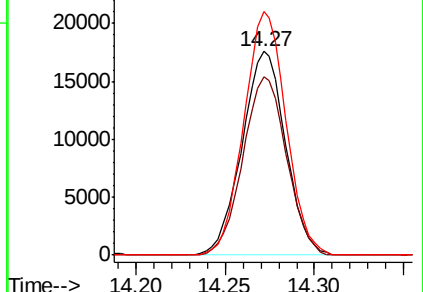
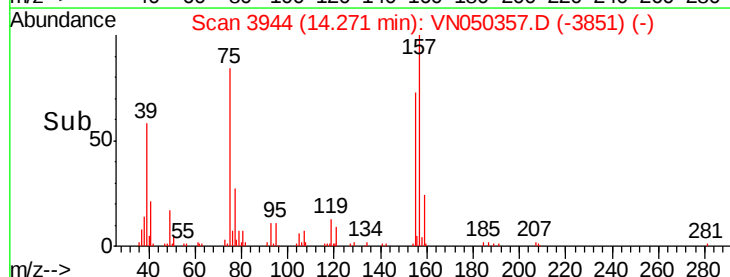
157 115.5 57.2 171.6

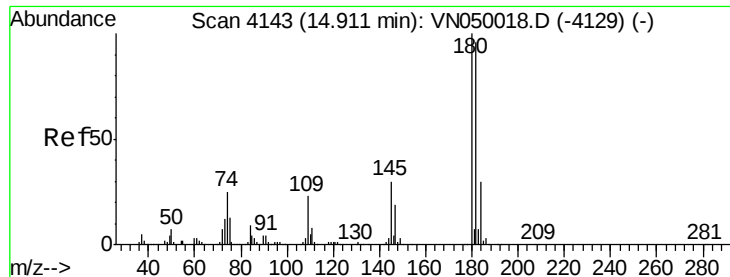


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

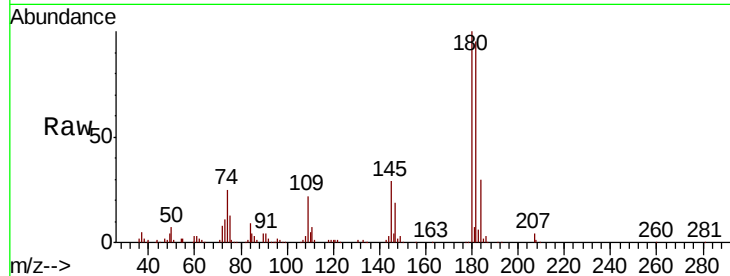




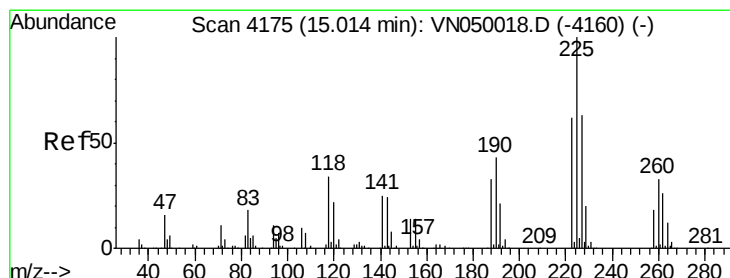
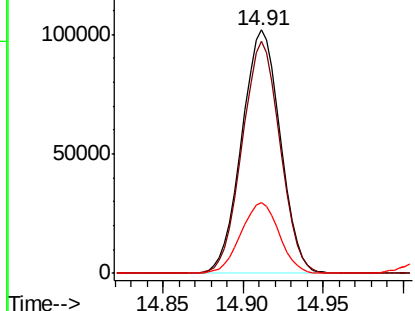
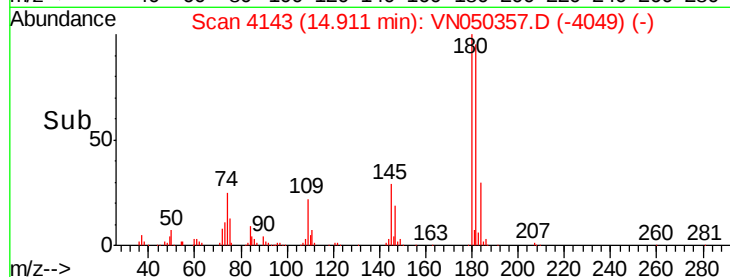
#93
 1,2,4-Trichlorobenzene
 Concen: 21.04 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBS01

Tot Ion:180 Resp: 167947
 Ion Ratio Lower Upper
 180 100
 182 93.8 46.7 140.1
 145 28.9 13.8 41.4

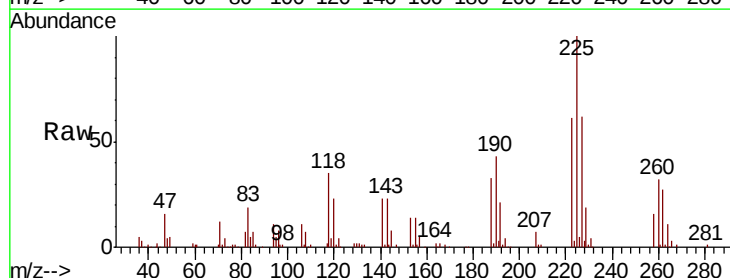


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

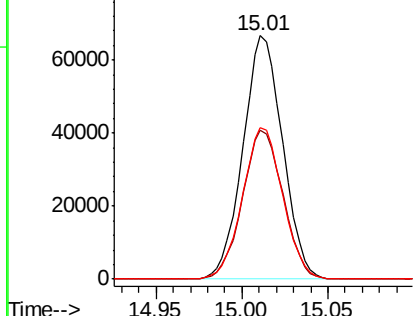
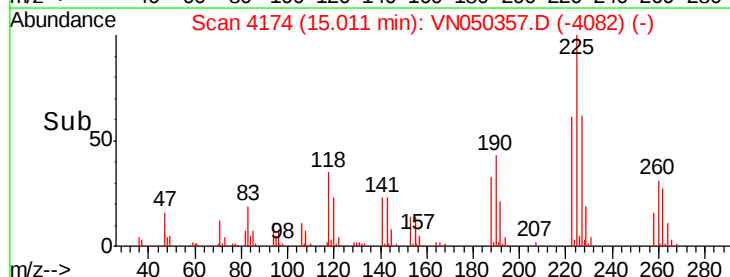


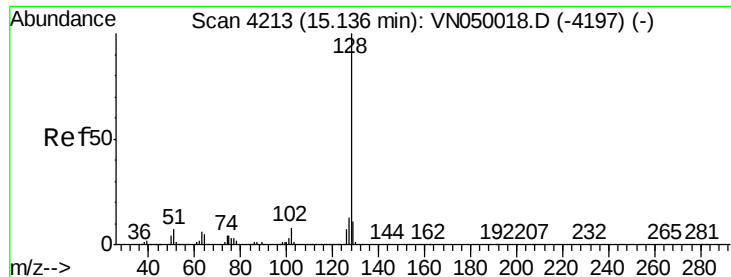
#94
 Hexachlorobutadiene
 Concen: 21.05 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion:225 Resp: 106654
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.4 94.2
 227 63.2 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: 20.24 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

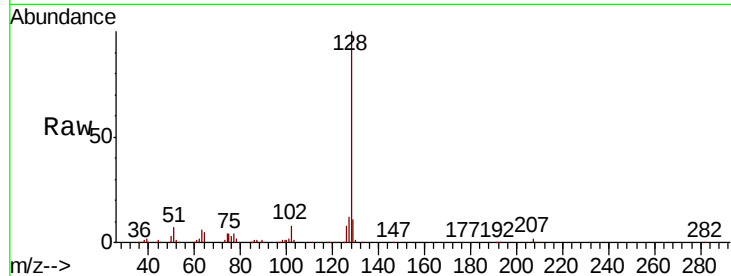
Tot Ion:128 Resp: 360188

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

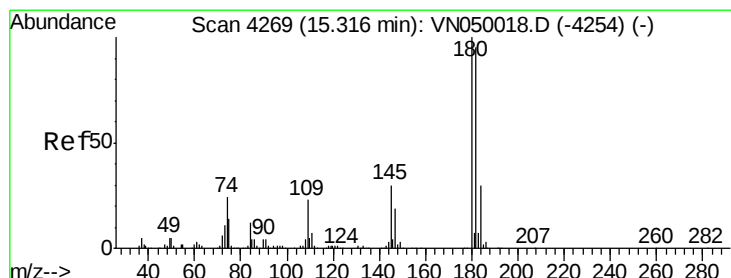
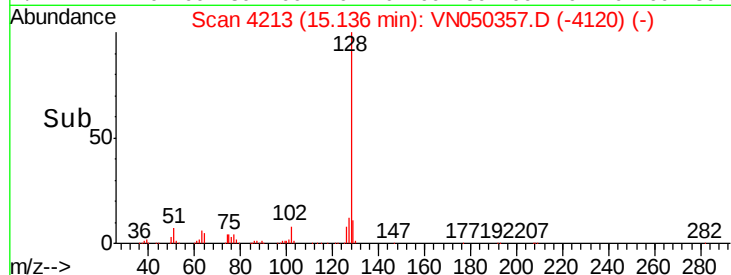
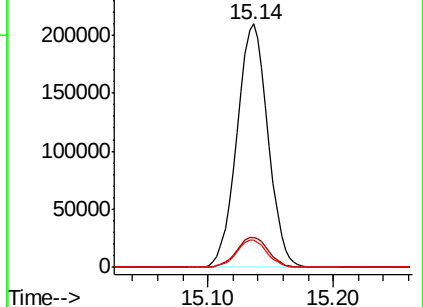
129 11.0 8.8 13.2



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: 20.78 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

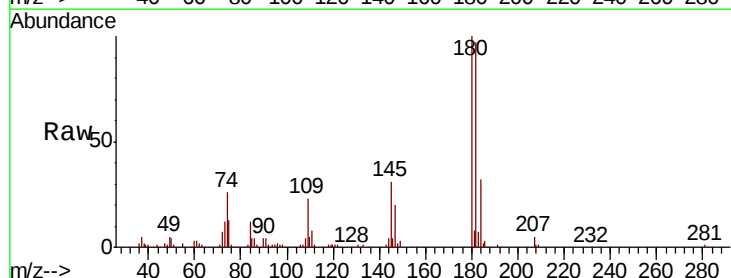
Tgt Ion:180 Resp: 166182

Ion Ratio Lower Upper

180 100

182 96.7 48.1 144.4

145 30.0 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

