

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050178.D
 Acq On : 30 Jul 2018 11:26
 Operator : MD\SY
 Sample : VN0730WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

Quant Time: Jul 31 01:08:12 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	665594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	975345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	862506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	426940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	439996	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
35) Dibromofluoromethane	7.59	113	401488	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	1473121	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.40	95	473671	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	188997	19.76	ug/l	100
3) Chloromethane	2.06	50	175765	16.91	ug/l	99
4) Vinyl Chloride	2.18	62	189885	17.35	ug/l	99
5) Bromomethane	2.56	94	69855	10.70	ug/l	96
6) Chloroethane	2.70	64	114548	17.42	ug/l	97
7) Trichlorofluoromethane	3.01	101	264106	18.62	ug/l	99
8) Diethyl Ether	3.41	74	84205	17.81	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	162544	19.06	ug/l	99
10) Methyl Iodide	3.95	142	86883	7.94	ug/l	99
11) Tert butyl alcohol	4.80	59	49167	71.96	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	141923	18.50	ug/l	97
13) Acrolein	3.61	56	20026	36.48	ug/l	96
14) Allyl chloride	4.32	41	221207	18.60	ug/l	99
15) Acrylonitrile	4.99	53	241661	81.06	ug/l	99
16) Acetone	3.82	43	207769	92.24	ug/l	98
17) Carbon Disulfide	4.05	76	409113	17.41	ug/l	99
18) Methyl Acetate	4.33	43	170182	18.99	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	367216	17.96	ug/l	98
20) Methylene Chloride	4.55	84	160058	18.65	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	149498	18.39	ug/l	99
22) Diisopropyl ether	5.95	45	465841	19.75	ug/l	95
23) Vinyl Acetate	5.90	43	1456267	87.37	ug/l	99
24) 1,1-Dichloroethane	5.85	63	288959	18.74	ug/l	99
25) 2-Butanone	6.84	43	295325	83.37	ug/l	100
26) 2,2-Dichloropropane	6.82	77	243372	20.74	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	167883	19.19	ug/l	98
28) Bromochloromethane	7.20	49	134174	19.07	ug/l	98
29) Tetrahydrofuran	7.21	42	178005	77.77	ug/l	99
30) Chloroform	7.37	83	293556	18.65	ug/l	99
31) Cyclohexane	7.65	56	247165	19.28	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	246977	18.35	ug/l	99
36) 1,1-Dichloropropene	7.79	75	217028	19.75	ug/l	99
37) Ethyl Acetate	6.93	43	121036	15.80	ug/l	99
38) Carbon Tetrachloride	7.77	117	221444	18.99	ug/l	98

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 ALS Vial : 4 Sample Multiplier: 1

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Quant Time: Jul 31 01:08:12 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)
39) Methylcyclohexane	9.08	83	224990	19.90	ug/l	98
40) Benzene	8.04	78	648405	19.39	ug/l	100
41) Methacrylonitrile	7.18	41	69406	19.19	ug/l #	81
42) 1,2-Dichloroethane	8.12	62	207136	18.57	ug/l	100
43) Isopropyl Acetate	8.17	43	260327	17.29	ug/l	96
44) Trichloroethene	8.84	130	168898	18.80	ug/l	99
45) 1,2-Dichloropropane	9.12	63	171949	19.41	ug/l	98
46) Dibromomethane	9.21	93	101055	18.38	ug/l	98
47) Bromodichloromethane	9.40	83	218657	18.84	ug/l	98
48) Methyl methacrylate	9.20	41	109383	16.58	ug/l	96
49) 1,4-Dioxane	9.20	88	28610	318.62	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	624858	82.97	ug/l	99
52) Toluene	10.16	92	394187	19.97	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	211477	19.31	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	244144	19.50	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	143612	18.34	ug/l	98
56) Ethyl methacrylate	10.43	69	165036	16.96	ug/l	98
57) 1,3-Dichloropropane	10.71	76	239335	18.77	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	381810	82.96	ug/l	99
59) 2-Hexanone	10.75	43	412417	78.15	ug/l	99
60) Dibromochloromethane	10.90	129	158581	18.29	ug/l	98
61) 1,2-Dibromoethane	11.01	107	135538	17.45	ug/l	98
64) Tetrachloroethene	10.63	164	159715	19.26	ug/l	99
65) Chlorobenzene	11.44	112	421988	19.37	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	160590	19.18	ug/l	98
67) Ethyl Benzene	11.51	91	701873	20.05	ug/l	100
68) m/p-Xylenes	11.62	106	543129	41.03	ug/l	99
69) o-Xylene	11.95	106	257716	20.42	ug/l	99
70) Styrene	11.97	104	406514	18.70	ug/l	100
71) Bromoform	12.13	173	105826	17.38	ug/l #	99
73) Isopropylbenzene	12.25	105	694232	20.97	ug/l	100
74) N-amyl acetate	12.07	43	165644	16.37	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	174308	18.60	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	207776	26.19	ug/l #	100
77) Bromobenzene	12.53	156	177267	19.32	ug/l	99
78) n-propylbenzene	12.59	91	797910	21.56	ug/l	100
79) 2-Chlorotoluene	12.68	91	481912	21.01	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	575078	22.08	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42801	17.11	ug/l	99
82) 4-Chlorotoluene	12.77	91	480159	21.14	ug/l	100
83) tert-Butylbenzene	12.99	119	492632	21.67	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	580787	22.12	ug/l	99
85) sec-Butylbenzene	13.17	105	662176	21.80	ug/l	100
86) p-Isopropyltoluene	13.29	119	561867	21.96	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	308617	19.84	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	295585	19.49	ug/l	99
89) n-Butylbenzene	13.62	91	439550	20.89	ug/l	99
90) Hexachloroethane	13.88	117	107968	19.00	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	301803	19.41	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25122	16.48	ug/l	98

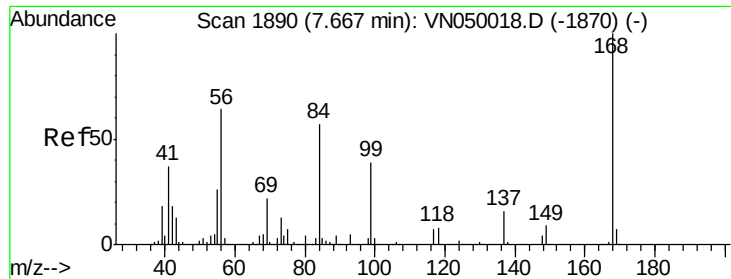
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	126701	17.50	ug/l	99
94) Hexachlorobutadiene	15.01	225	97811	20.54	ug/l	100
95) Naphthalene	15.14	128	235837	15.44	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	129802	17.65	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: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

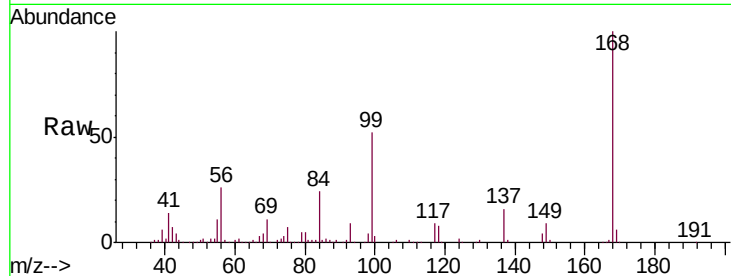
VN0730WBS01

Tot Ion:168 Resp: 665594

Ion Ratio Lower Upper

168 100

99 51.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

150000

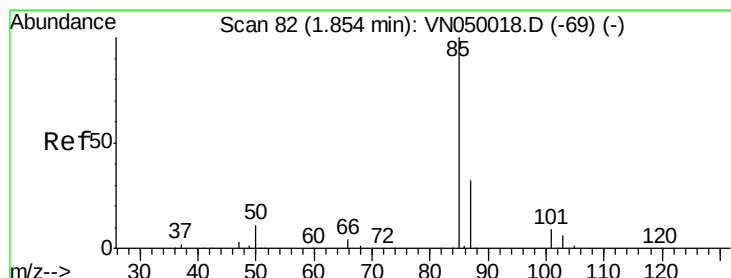
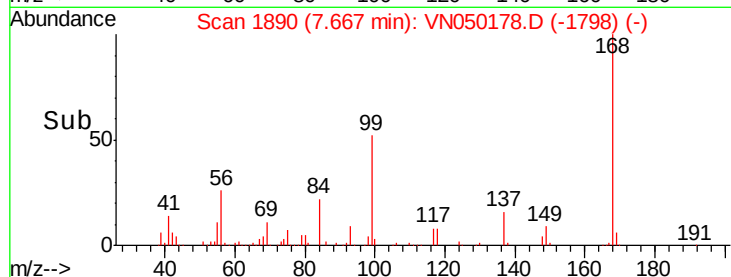
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.76 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050178.D

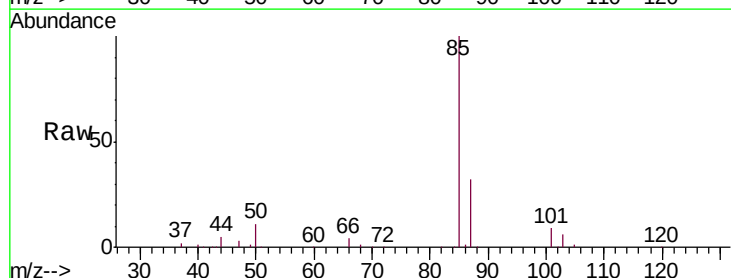
Acq: 30 Jul 2018 11:26

Tgt Ion: 85 Resp: 188997

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

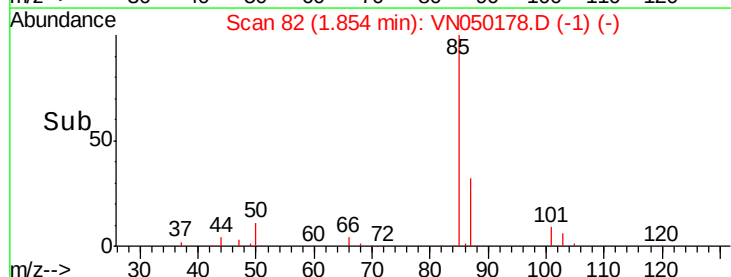
100000

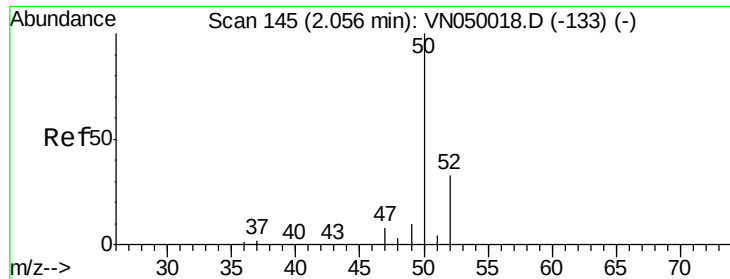
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.91 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

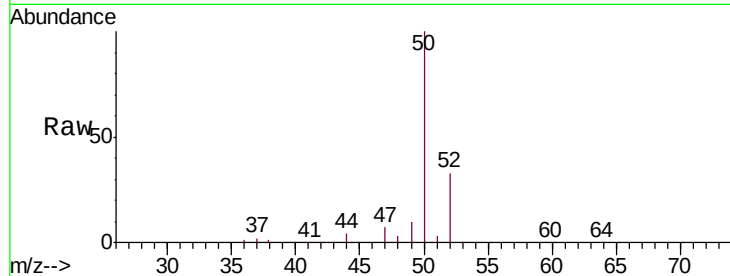
VN0730WBS01

Tot Ion: 50 Resp: 175765

Ion Ratio Lower Upper

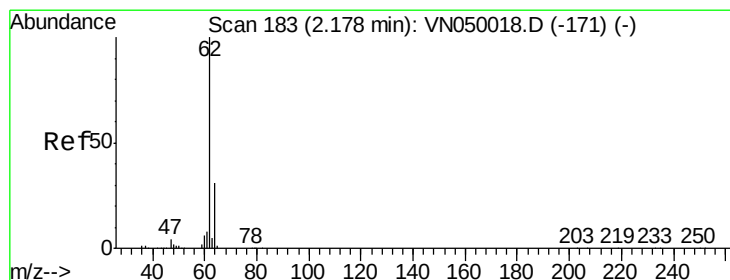
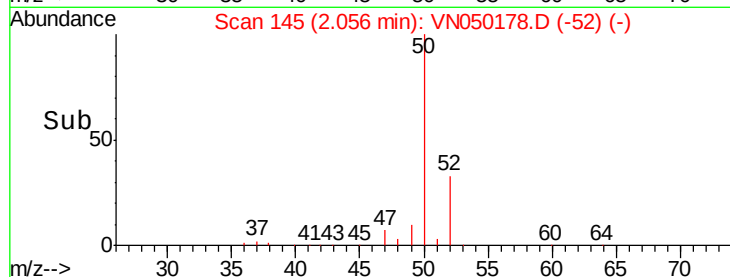
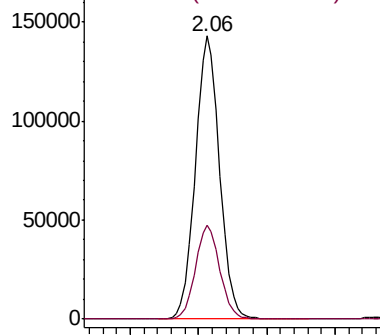
50 100

52 33.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.35 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050178.D

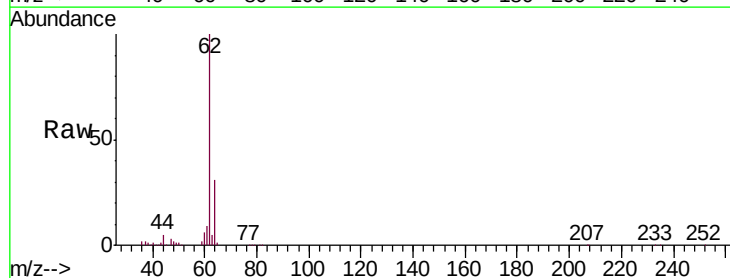
Acq: 30 Jul 2018 11:26

Tgt Ion: 62 Resp: 189885

Ion Ratio Lower Upper

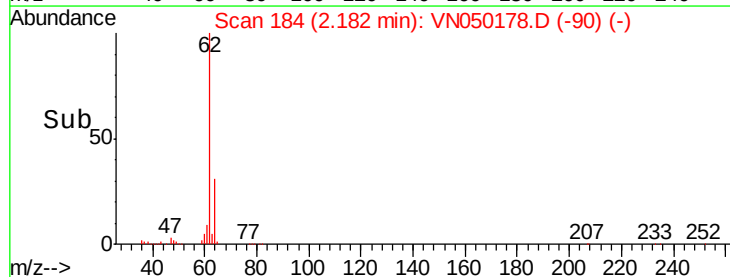
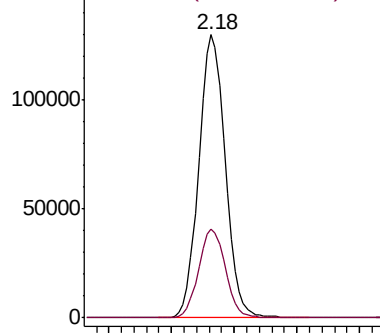
62 100

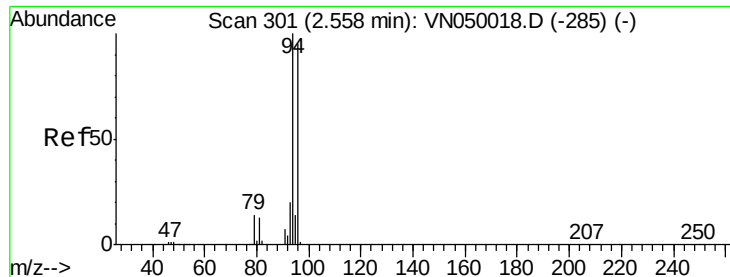
64 31.5 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 10.70 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

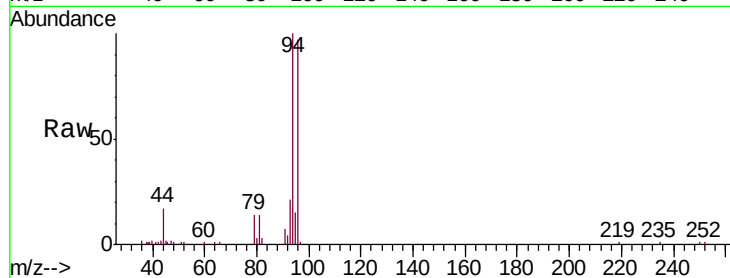
VN0730WBS01

Tot Ion: 94 Resp: 69855

Ion Ratio Lower Upper

94 100

96 96.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

40000

30000

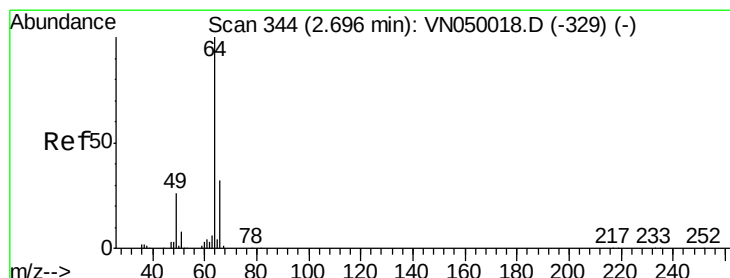
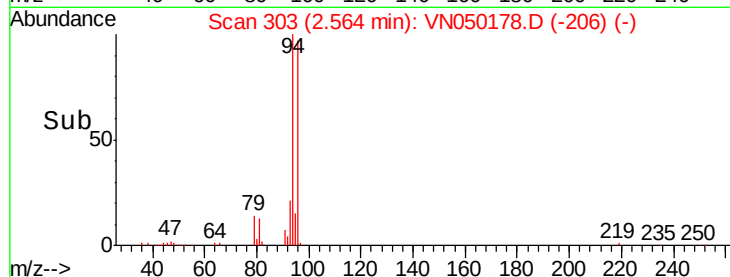
20000

10000

0

Time-->

2.50 2.60 2.70



#6

Chloroethane

Concen: 17.42 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050178.D

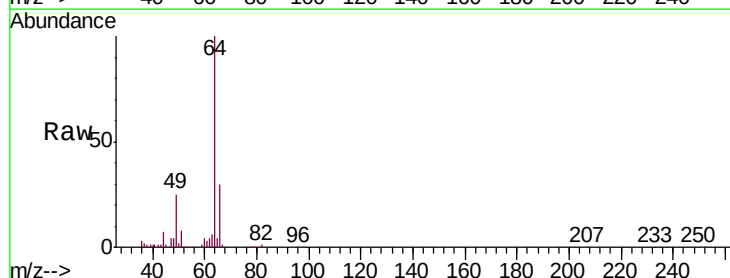
Acq: 30 Jul 2018 11:26

Tgt Ion: 64 Resp: 114548

Ion Ratio Lower Upper

64 100

66 30.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

60000

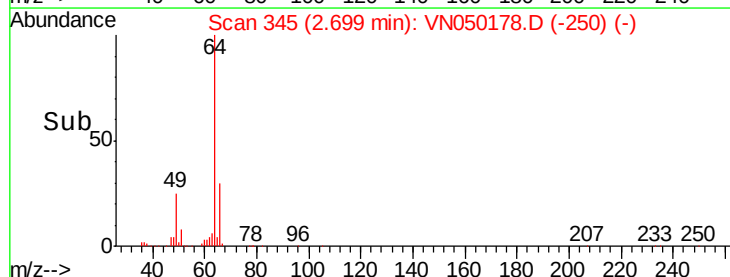
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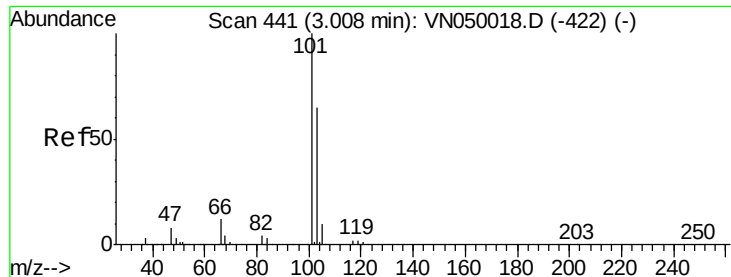
20000

0

Time-->

2.60 2.65 2.70 2.75 2.80





#7

Trichlorofluoromethane

Concen: 18.62 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.01 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

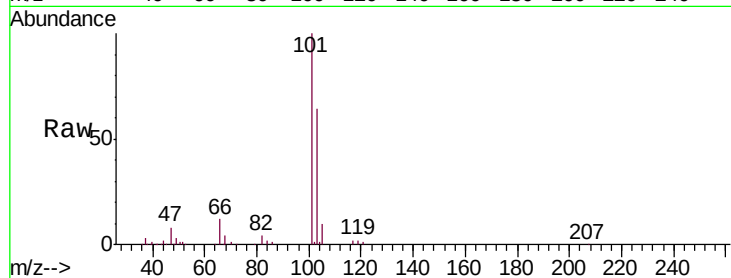
VN0730WBS01

Tot Ion:101 Resp: 264106

Ion Ratio Lower Upper

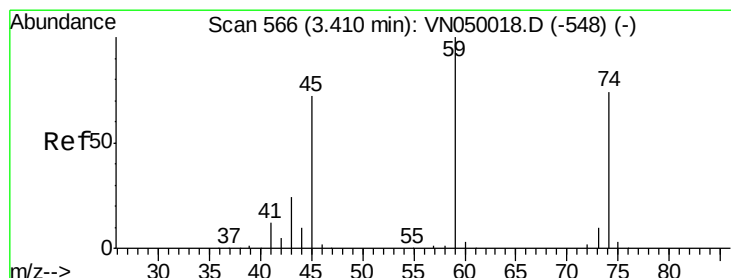
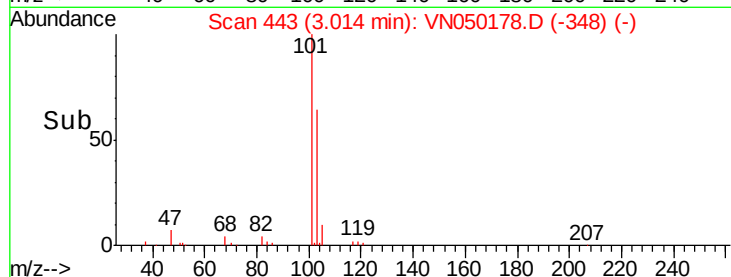
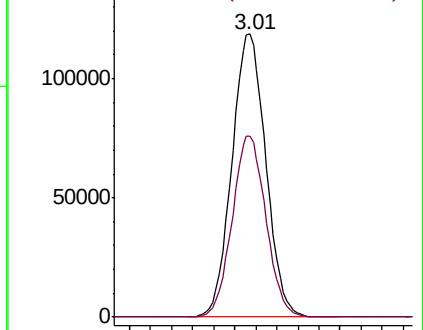
101 100

103 64.1 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 17.81 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050178.D

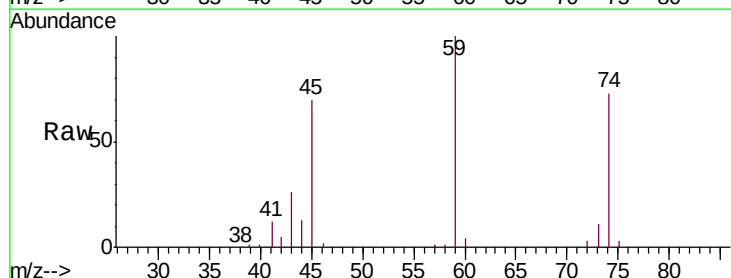
Acq: 30 Jul 2018 11:26

Tgt Ion: 74 Resp: 84205

Ion Ratio Lower Upper

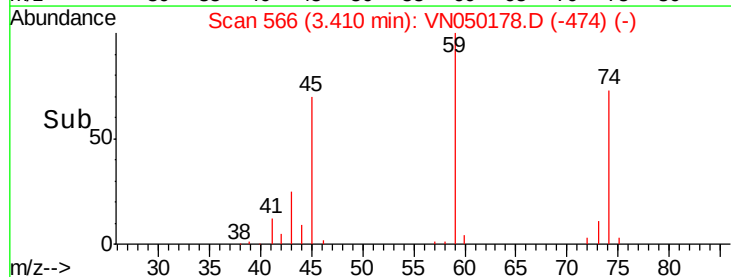
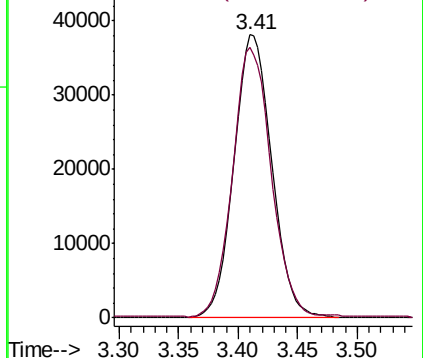
74 100

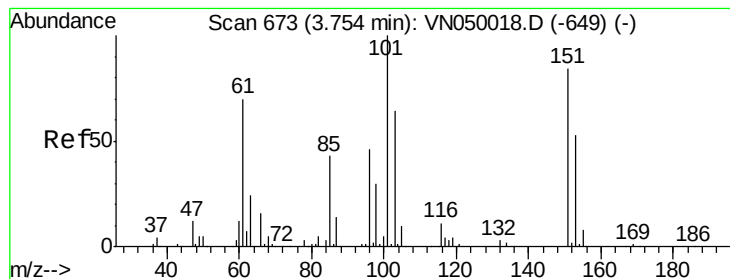
45 98.5 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.06 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

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ClientSampleId :

VN0730WBS01

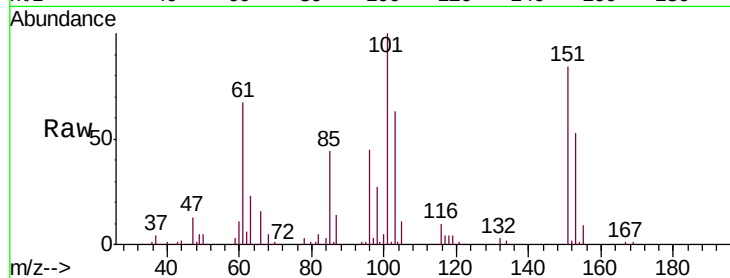
Tot Ion:101 Resp: 162544

Ion Ratio Lower Upper

101 100

85 43.9 34.2 51.2

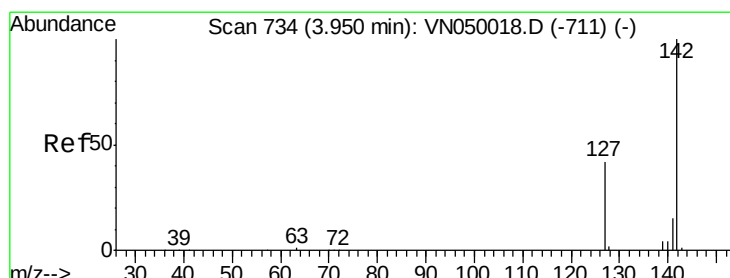
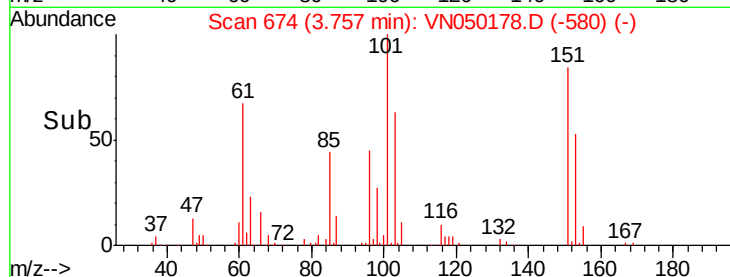
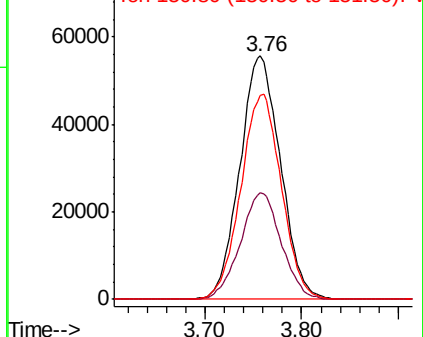
151 83.9 66.3 99.5



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: 7.94 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

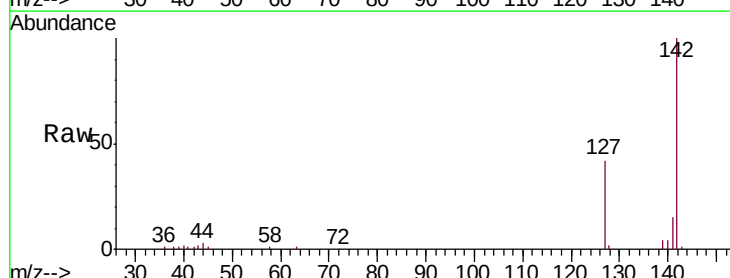
Tgt Ion:142 Resp: 86883

Ion Ratio Lower Upper

142 100

127 41.4 33.4 50.2

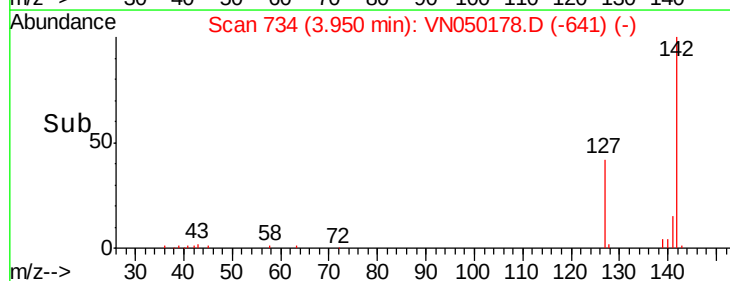
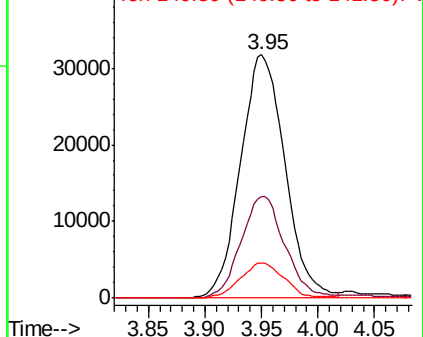
141 14.4 11.6 17.4

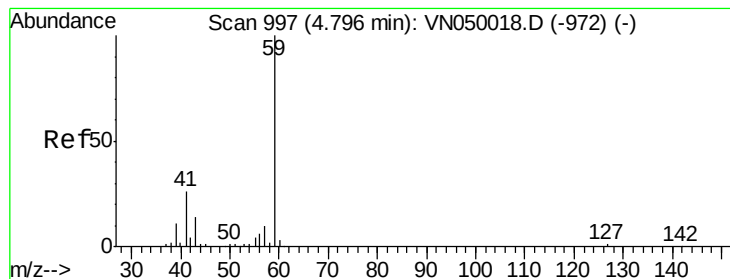


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



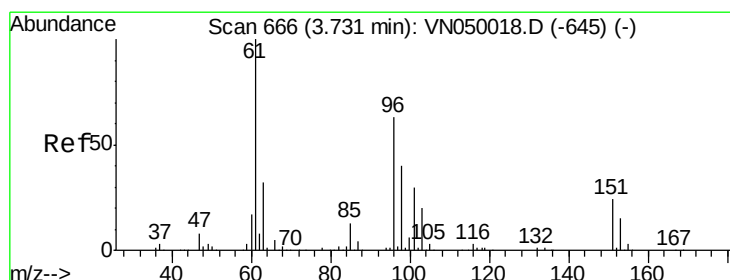
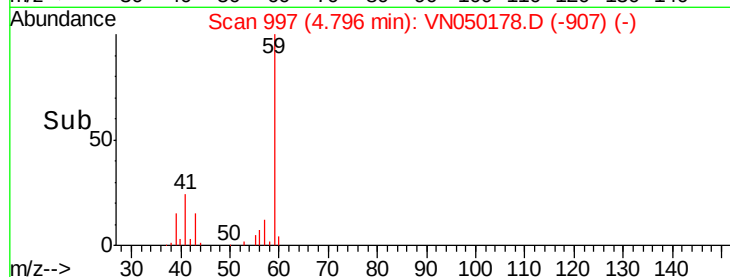
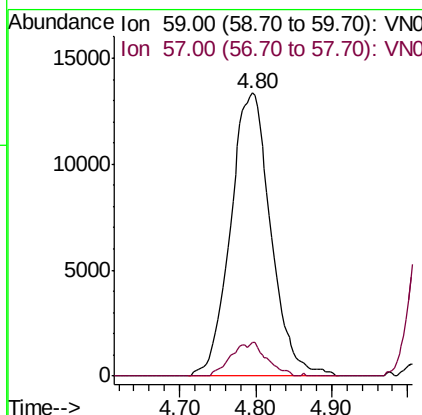
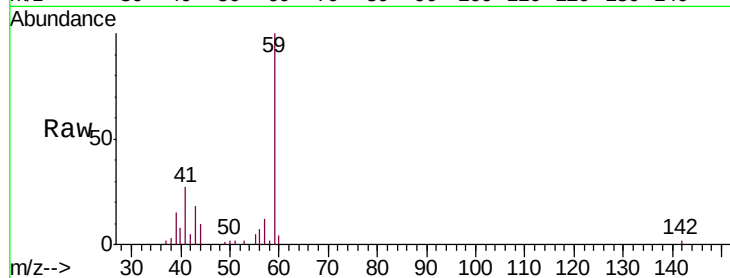


#11

Tert butyl alcohol
 Concen: 71.96 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

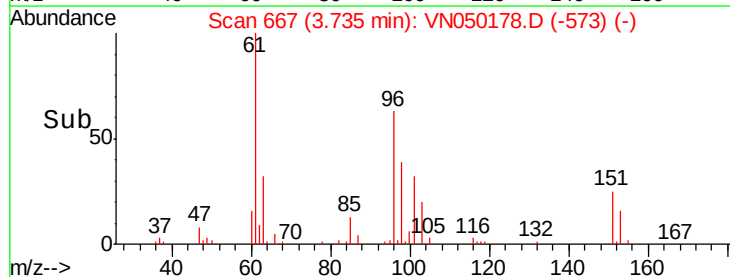
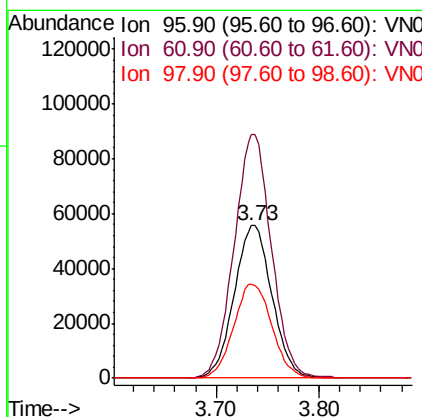
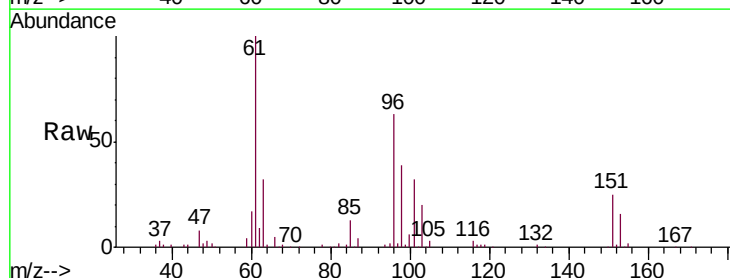
Tot Ion: 59 Resp: 49167
 Ion Ratio Lower Upper
 59 100
 57 5.2 8.5 12.7#

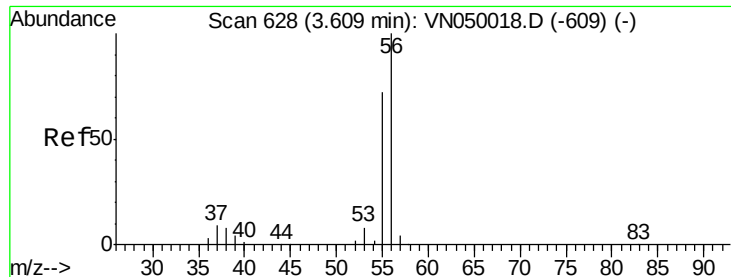


#12

1,1-Dichloroethene
 Concen: 18.50 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion: 96 Resp: 141923
 Ion Ratio Lower Upper
 96 100
 61 160.0 124.4 186.6
 98 61.9 48.3 72.5





#13

Acrolein

Concen: 36.48 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

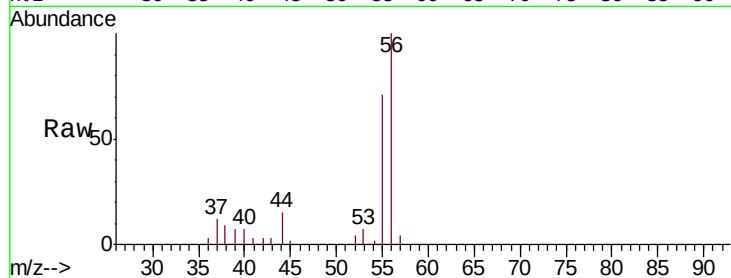
VN0730WBS01

Tot Ion: 56 Resp: 20026

Ion Ratio Lower Upper

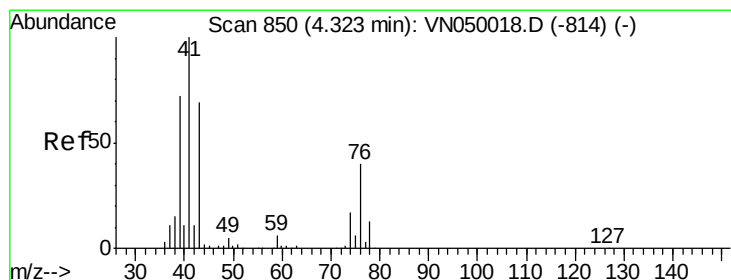
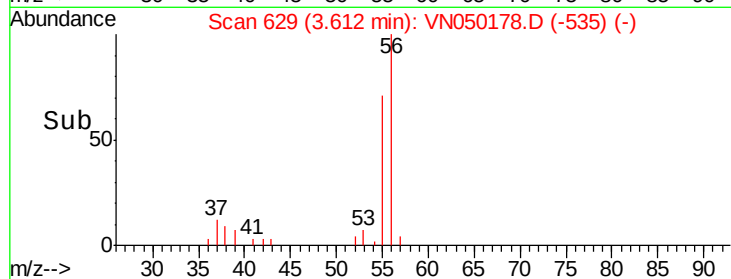
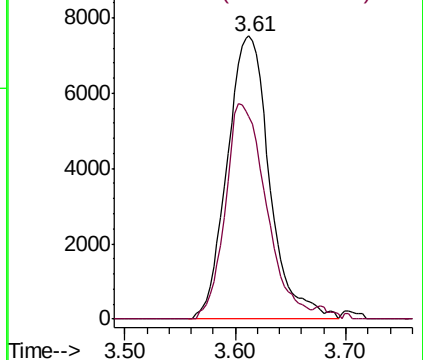
56 100

55 73.3 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: 18.60 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

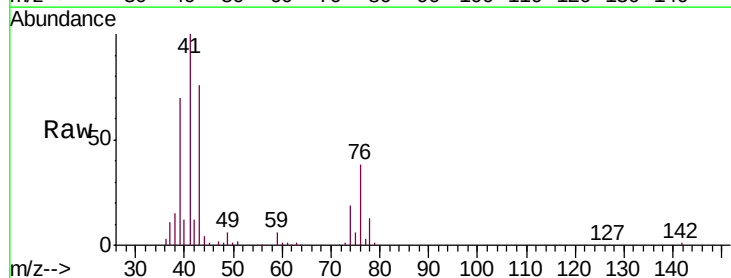
Tgt Ion: 41 Resp: 221207

Ion Ratio Lower Upper

41 100

39 67.4 54.2 81.4

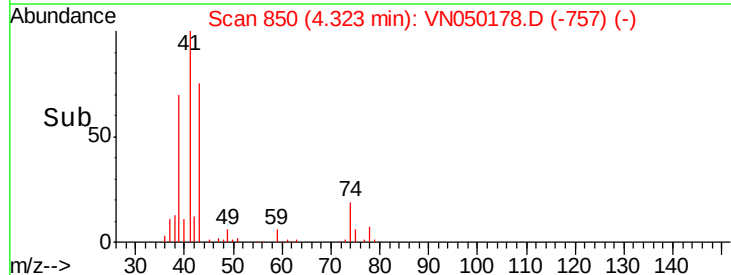
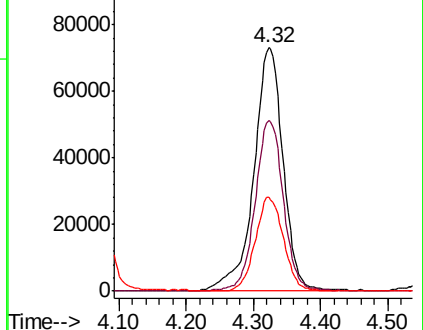
76 37.1 29.0 43.6

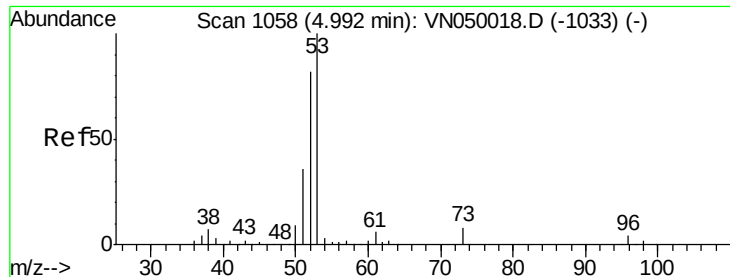


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 81.06 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

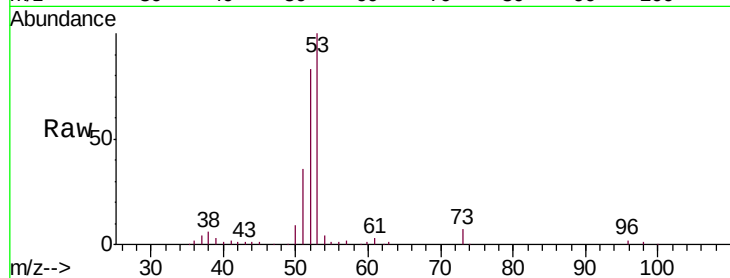
Tot Ion: 53 Resp: 241661

Ion Ratio Lower Upper

53 100

52 82.2 66.2 99.2

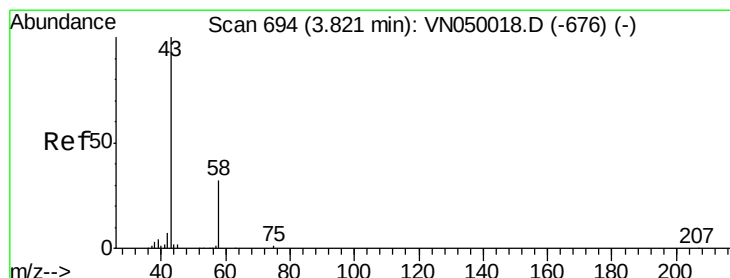
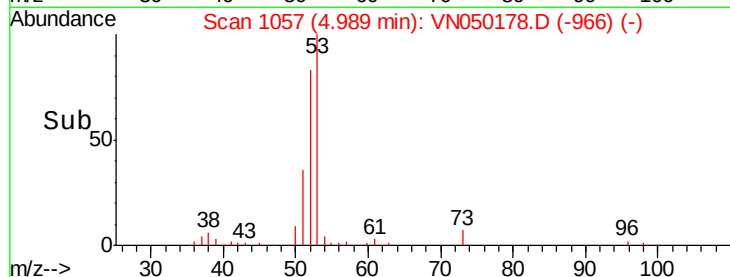
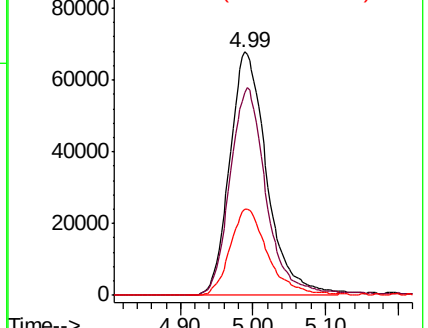
51 36.2 29.3 43.9



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: 92.24 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050178.D

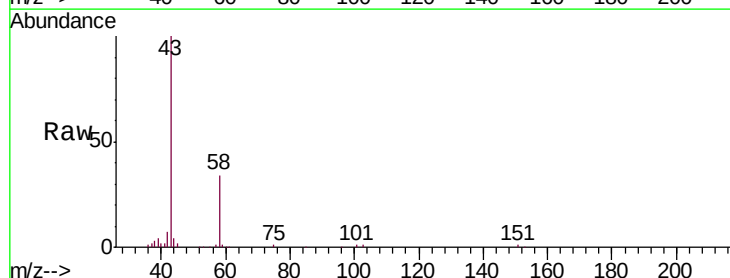
Acq: 30 Jul 2018 11:26

Tgt Ion: 43 Resp: 207769

Ion Ratio Lower Upper

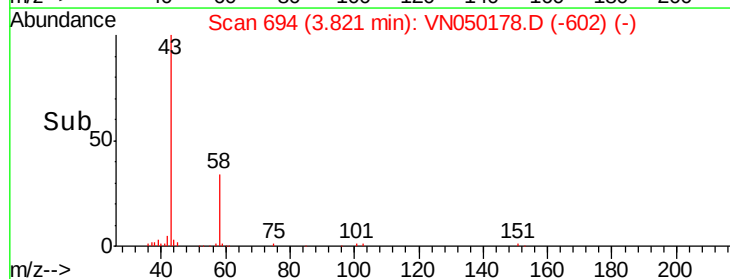
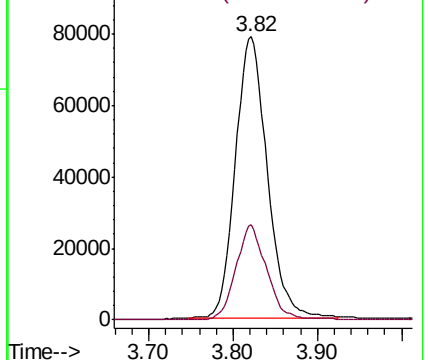
43 100

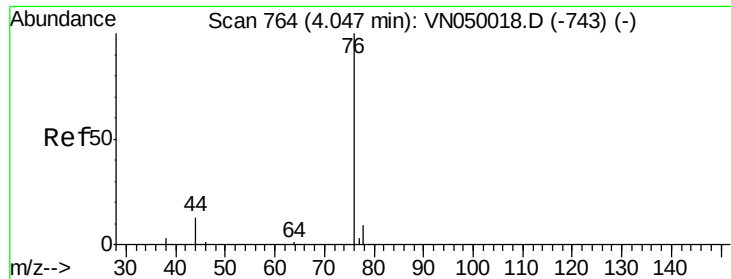
58 33.6 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

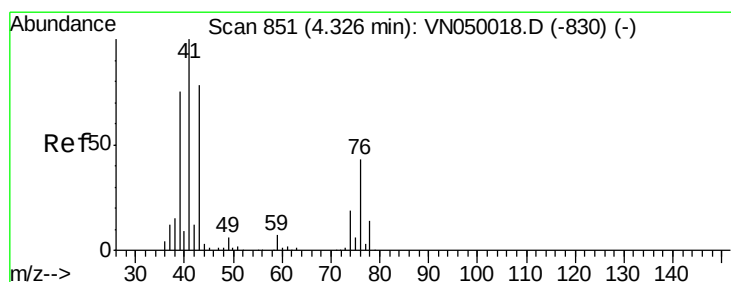
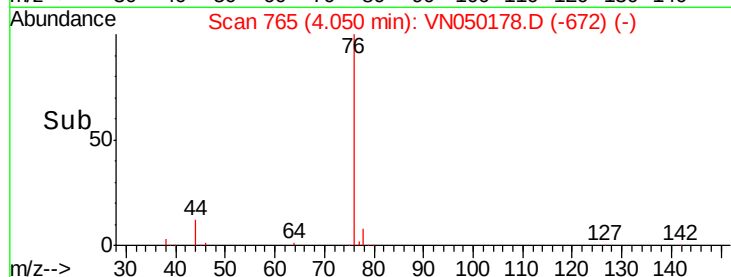
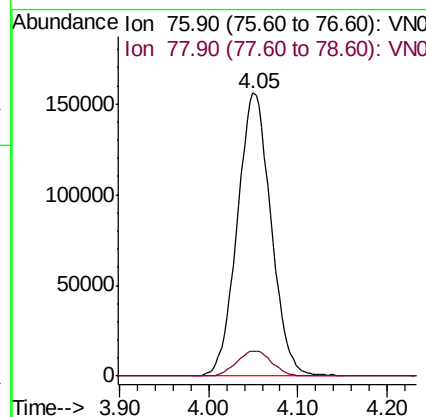
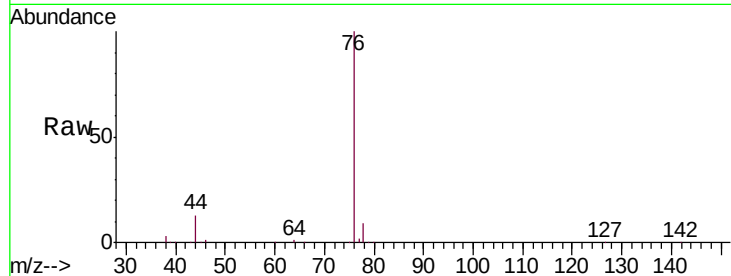




#17
Carbon Disulfide
Concen: 17.41 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

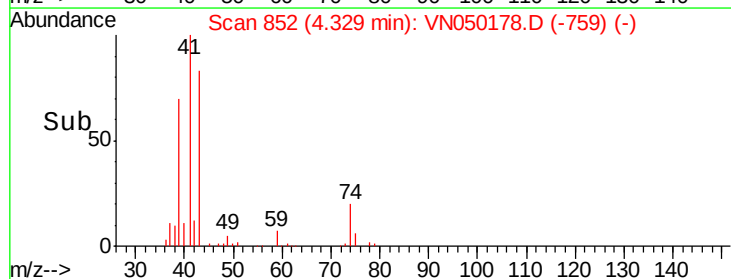
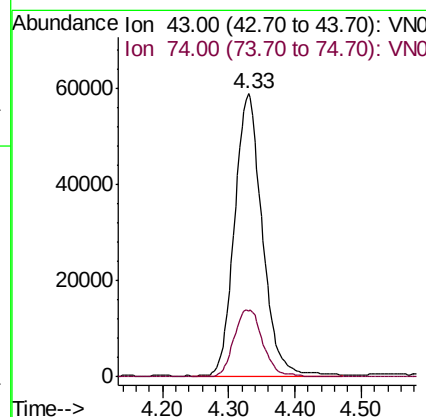
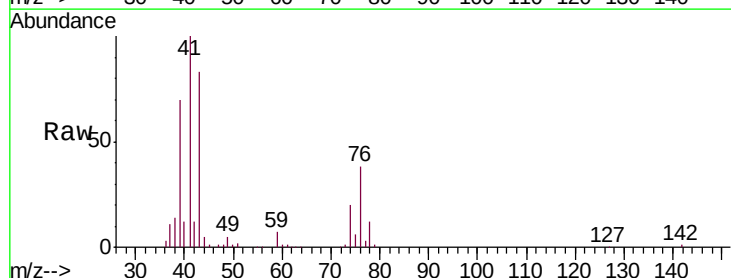
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

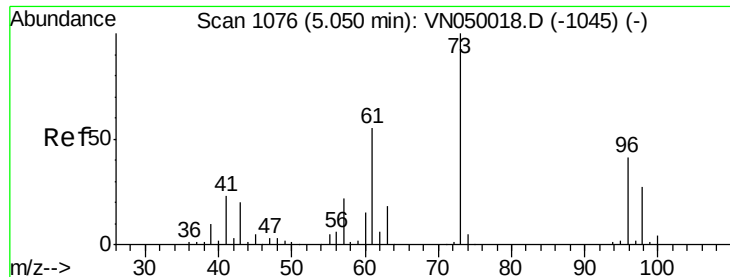
Tot Ion: 76 Resp: 409113
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 18.99 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion: 43 Resp: 170182
Ion Ratio Lower Upper
43 100
74 24.9 19.2 28.8

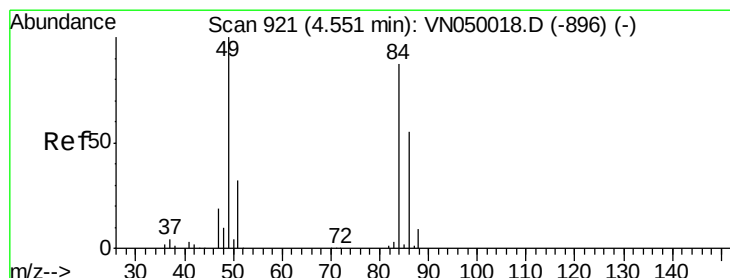
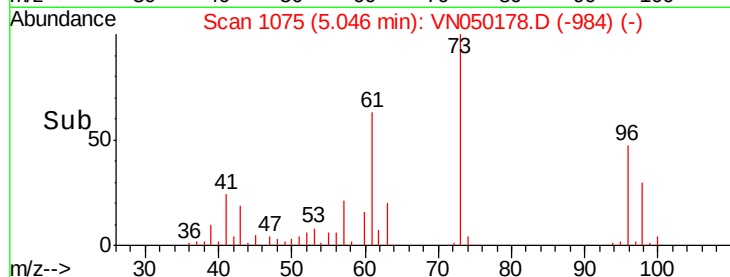
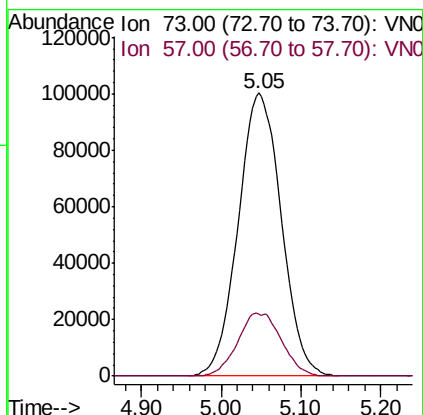
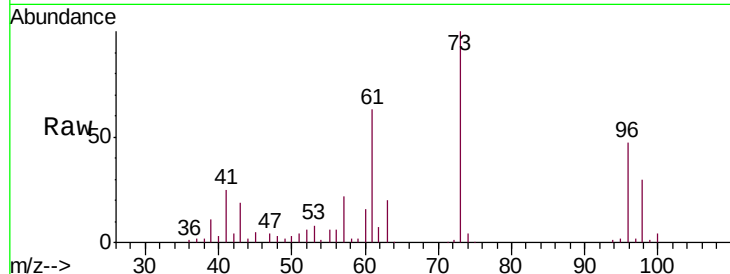




#19
Methvl tert-butvl Ether
Concen: 17.96 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

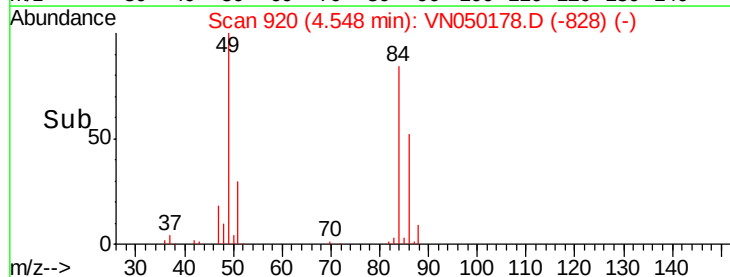
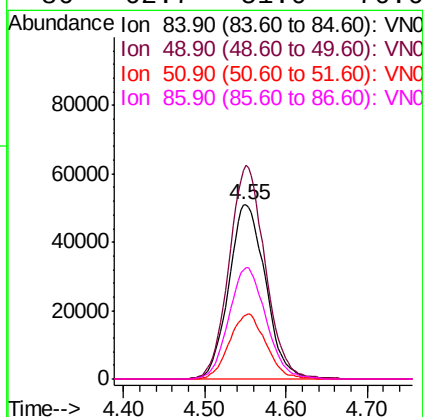
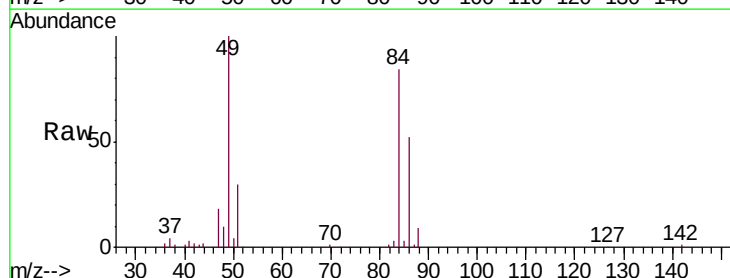
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

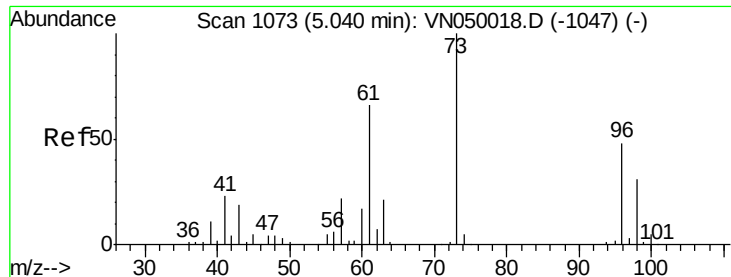
Tot Ion: 73 Resp: 367216
Ion Ratio Lower Upper
73 100
57 21.8 18.0 27.0



#20
Methylene Chloride
Concen: 18.65 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion: 84 Resp: 160058
Ion Ratio Lower Upper
84 100
49 119.6 94.8 142.2
51 35.7 28.3 42.5
86 62.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.39 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

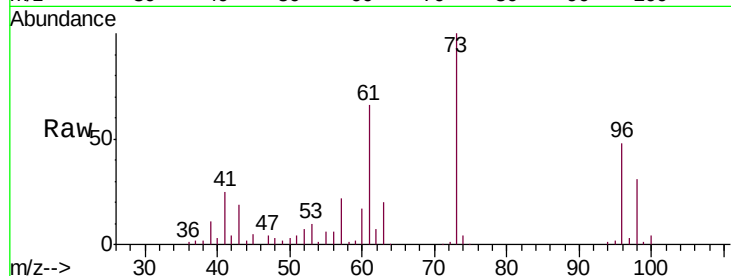
Tot Ion: 96 Resp: 149498

Ion Ratio Lower Upper

96 100

61 137.5 110.7 166.1

98 65.0 51.6 77.4

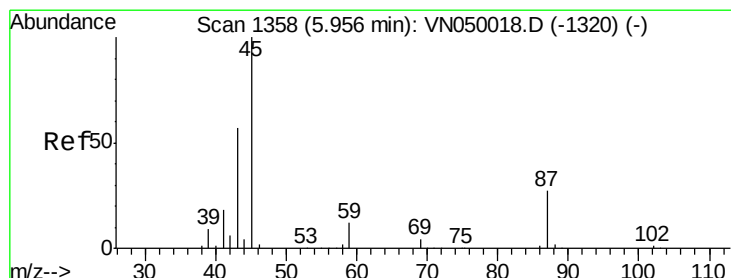
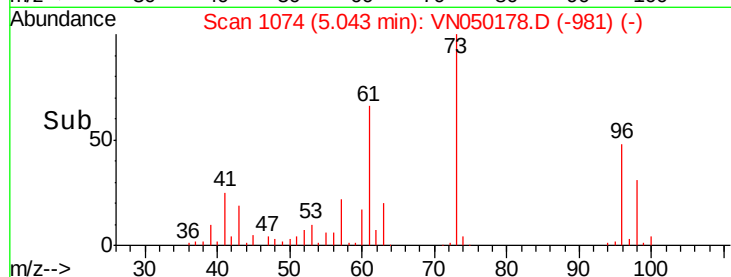
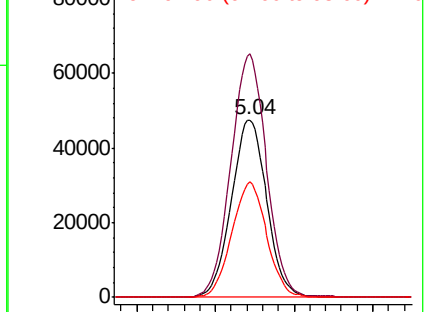


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.75 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Tgt Ion: 45 Resp: 465841

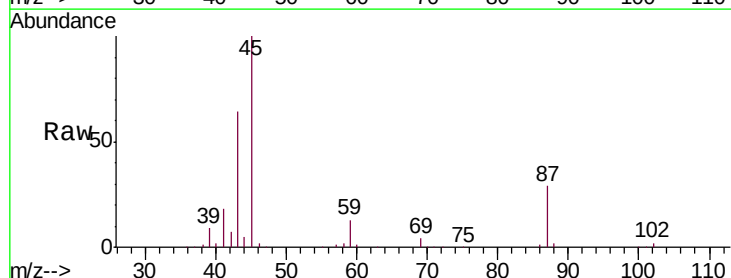
Ion Ratio Lower Upper

45 100

43 62.4 45.7 68.5

87 29.3 22.7 34.1

59 12.8 9.5 14.3



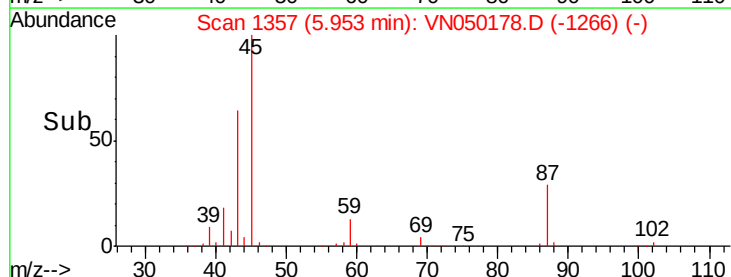
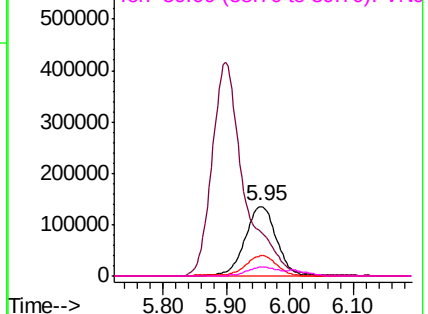
Abundance

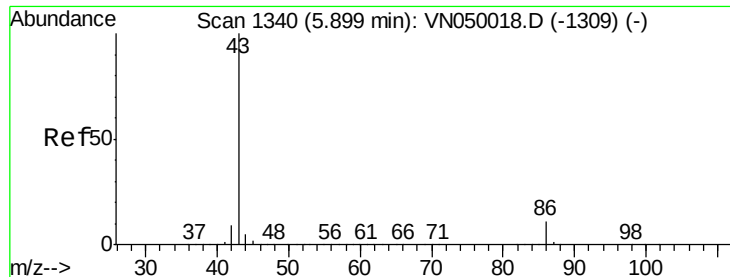
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 87.37 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

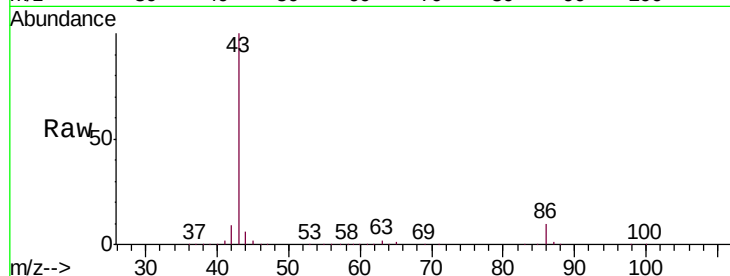
VN0730WBS01

Tot Ion: 43 Resp: 1456267

Ion Ratio Lower Upper

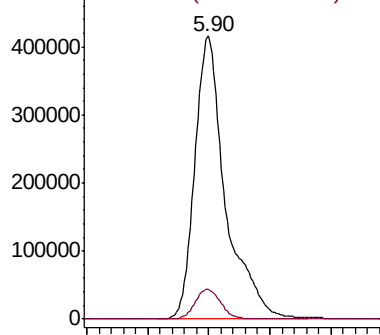
43 100

86 10.5 8.6 13.0

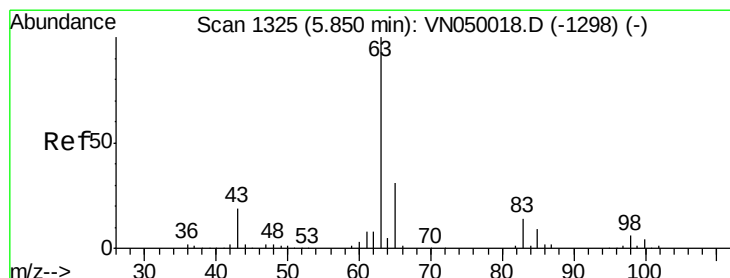
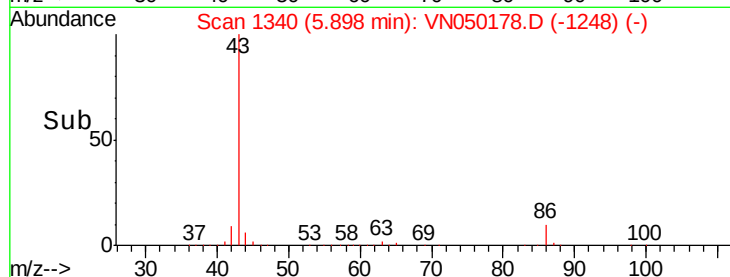


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 18.74 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

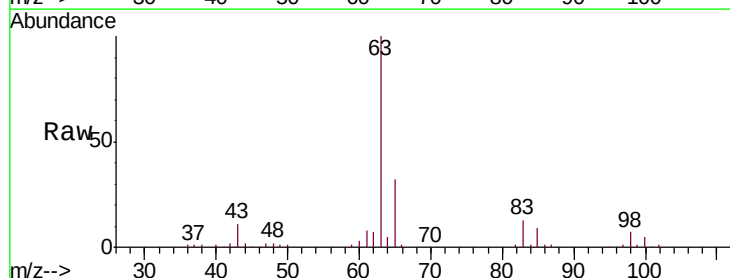
Tgt Ion: 63 Resp: 288959

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

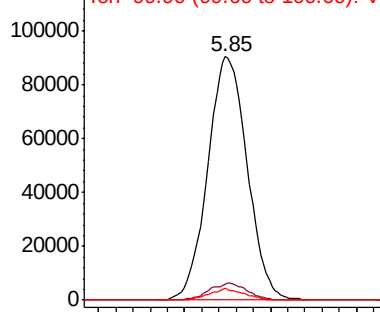
100 4.7 2.1 6.3



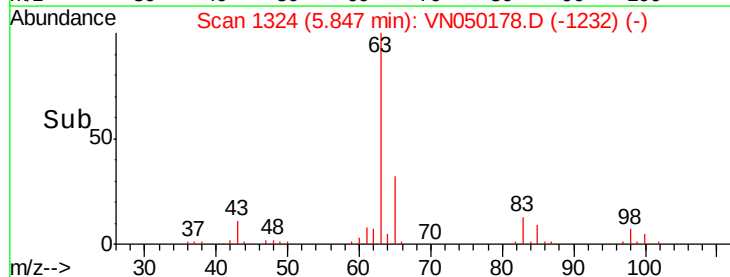
Abundance Ion 62.90 (62.60 to 63.60): VN0

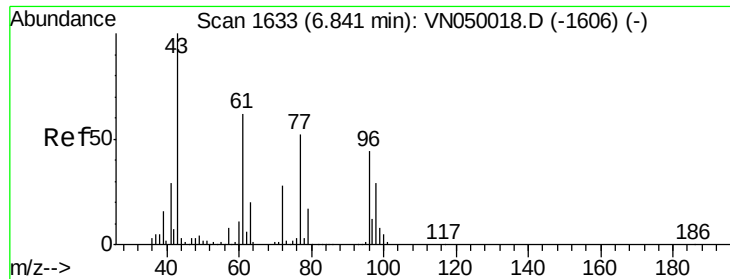
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 83.37 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.01 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

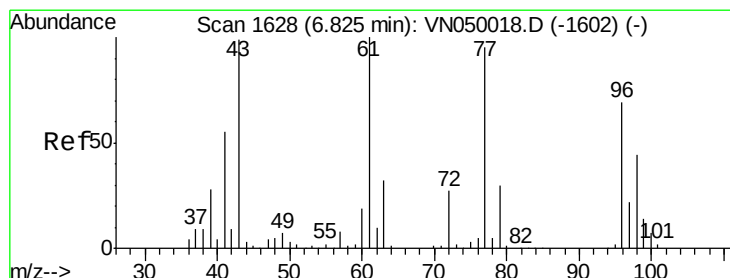
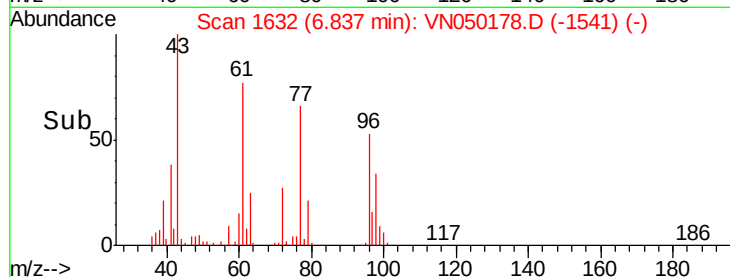
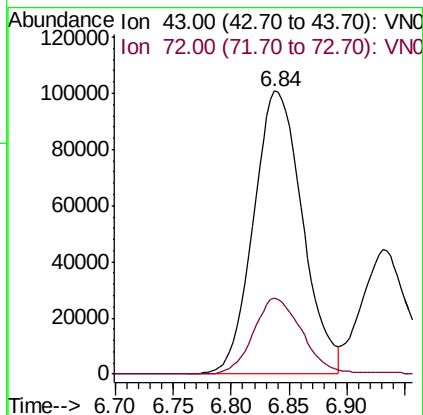
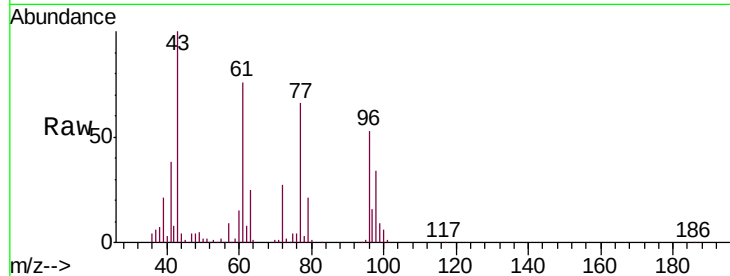
VN0730WBS01

Tot Ion: 43 Resp: 295325

Ion Ratio Lower Upper

43 100

72 26.9 21.5 32.3



#26

2,2-Dichloropropane

Concen: 20.74 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050178.D

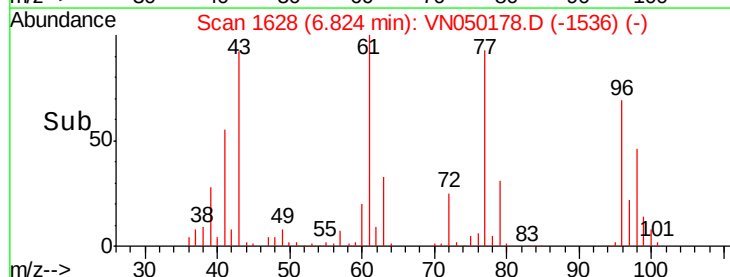
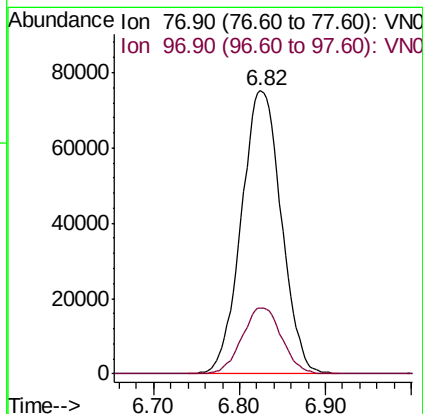
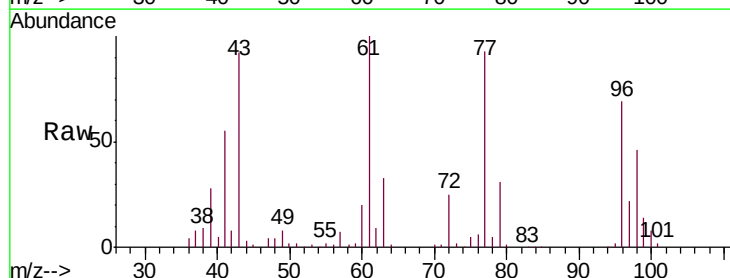
Acq: 30 Jul 2018 11:26

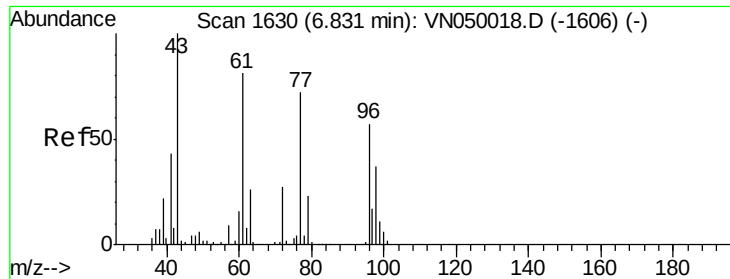
Tgt Ion: 77 Resp: 243372

Ion Ratio Lower Upper

77 100

97 23.2 11.8 35.3

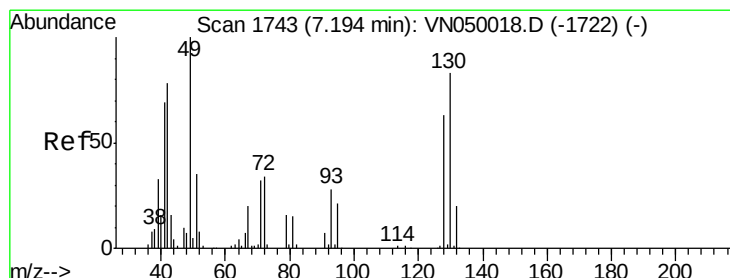
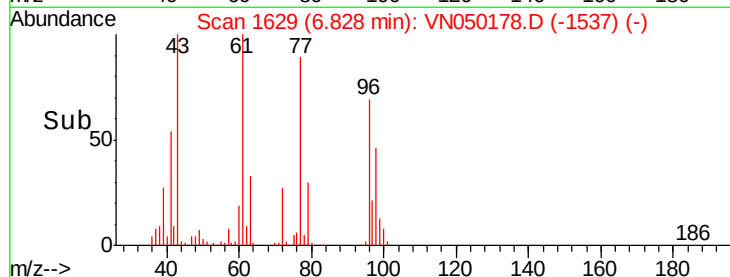
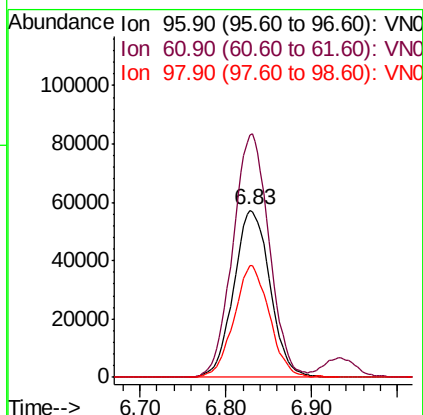
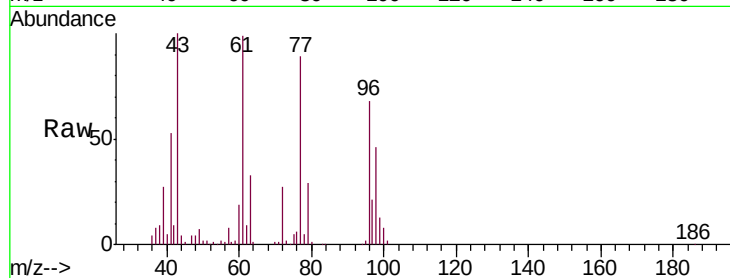




#27
 cis-1,2-Dichloroethene
 Concen: 19.19 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

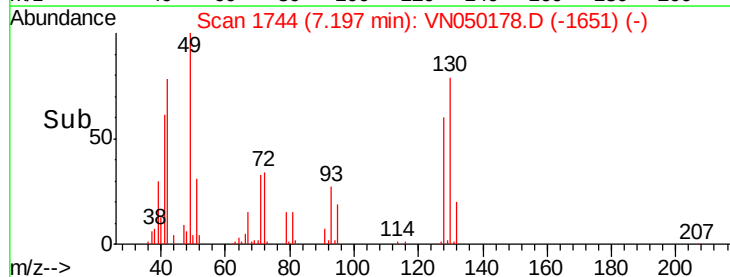
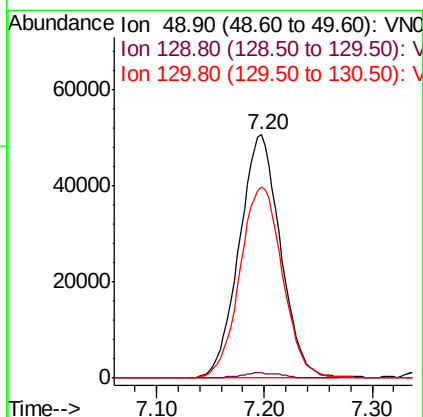
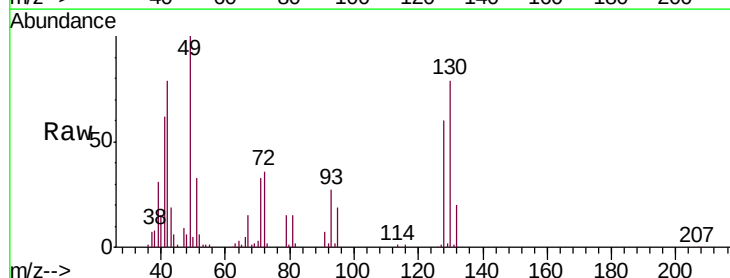
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

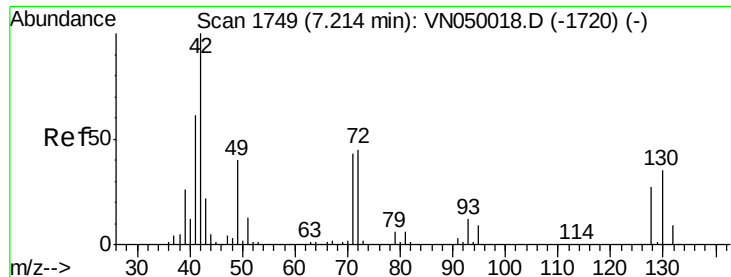
Tot Ion: 96 Resp: 167883
 Ion Ratio Lower Upper
 96 100
 61 146.1 0.0 285.0
 98 65.1 0.0 129.2



#28
 Bromochloromethane
 Concen: 19.07 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion: 49 Resp: 134174
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.0
 130 81.1 66.3 99.5

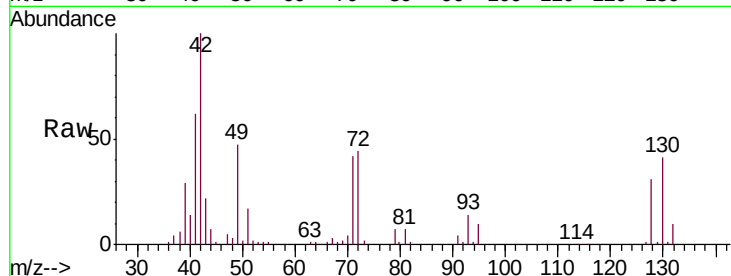




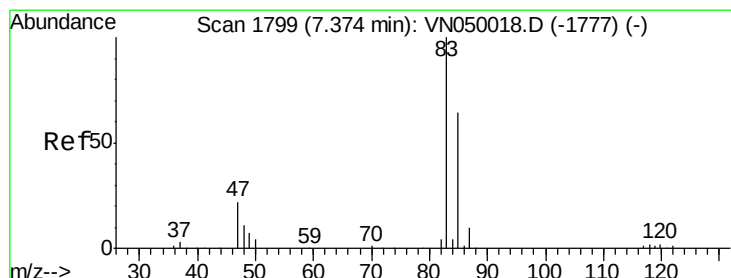
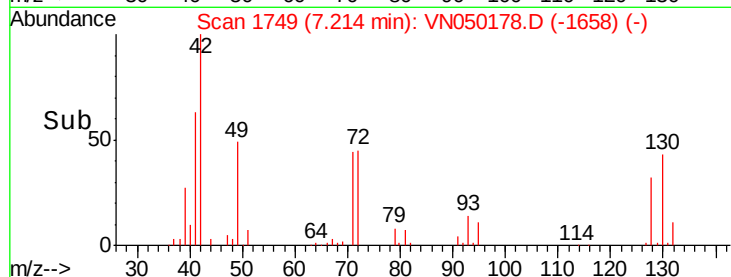
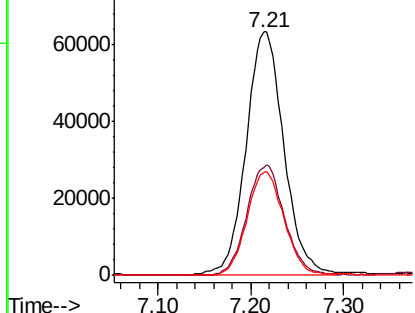
#29
Tetrahydrofuran
Concen: 77.77 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion: 42 Resp: 178005
Ion Ratio Lower Upper
42 100
72 45.5 35.9 53.9
71 42.0 33.7 50.5

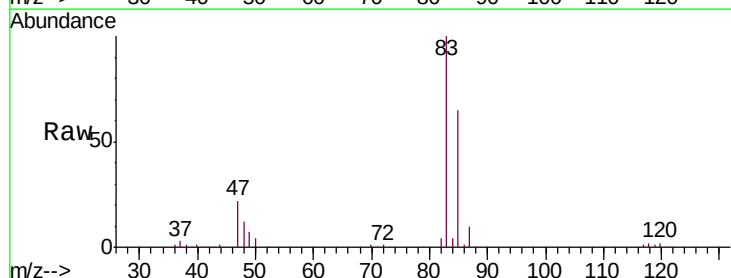


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

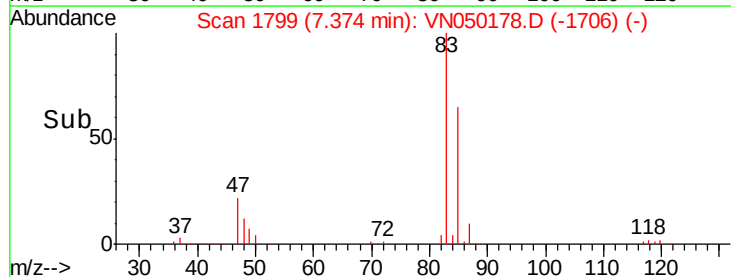
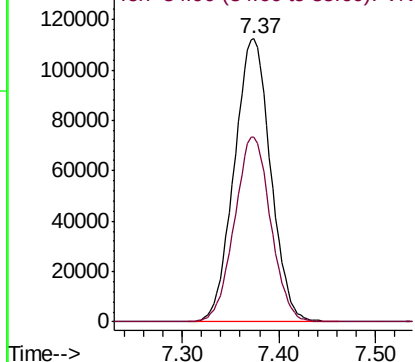


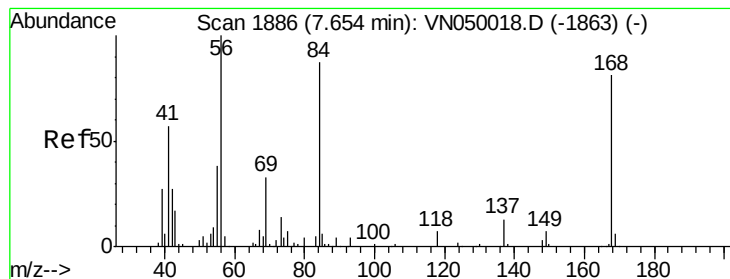
#30
Chloroform
Concen: 18.65 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion: 83 Resp: 293556
Ion Ratio Lower Upper
83 100
85 65.2 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: 19.28 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

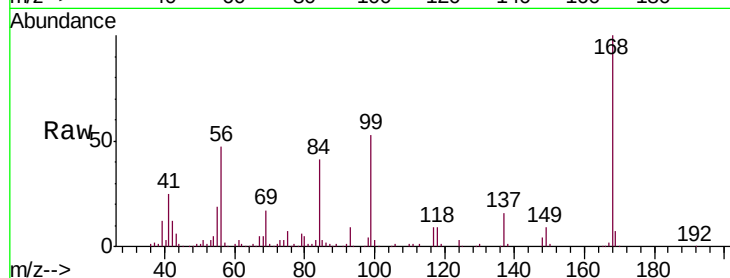
Tot Ion: 56 Resp: 247165

Ion Ratio Lower Upper

56 100

69 35.0 26.2 39.4

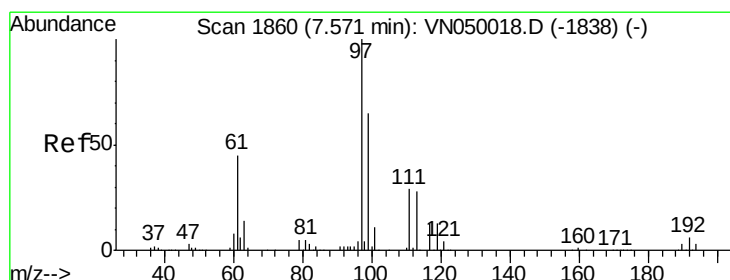
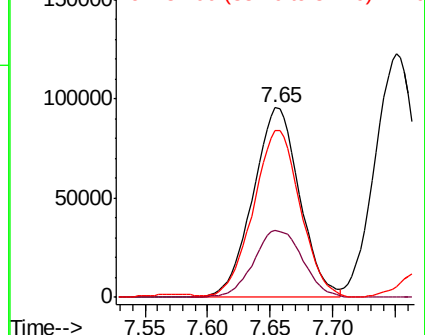
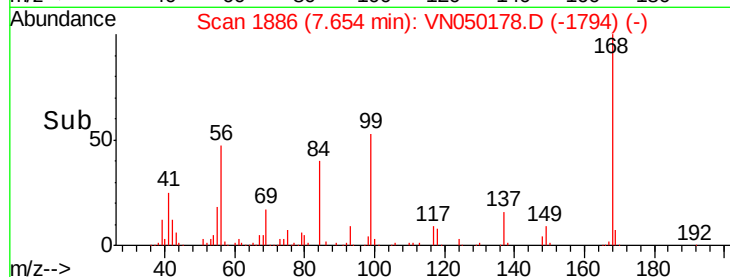
84 86.8 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.35 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

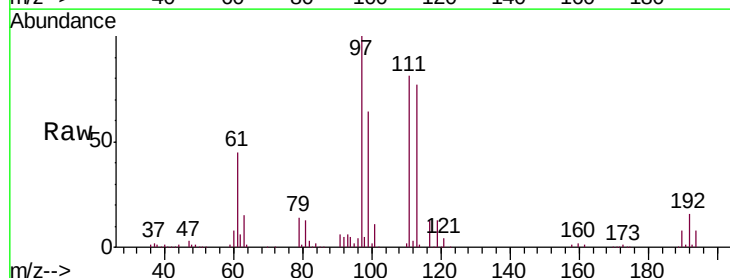
Tgt Ion: 97 Resp: 246977

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

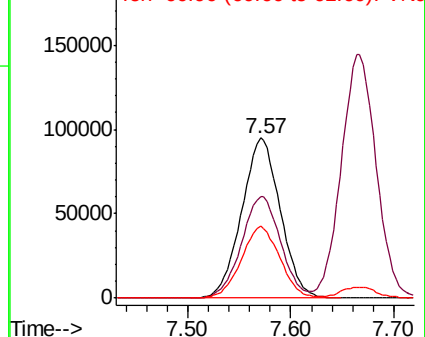
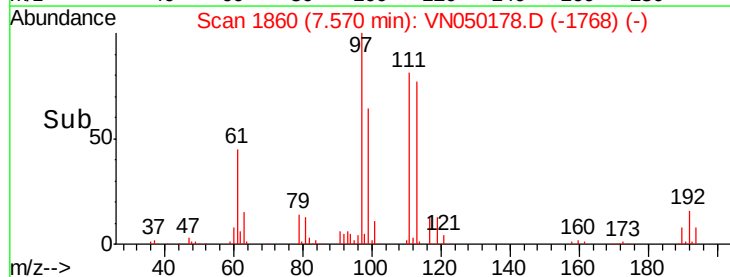
61 44.8 35.4 53.0

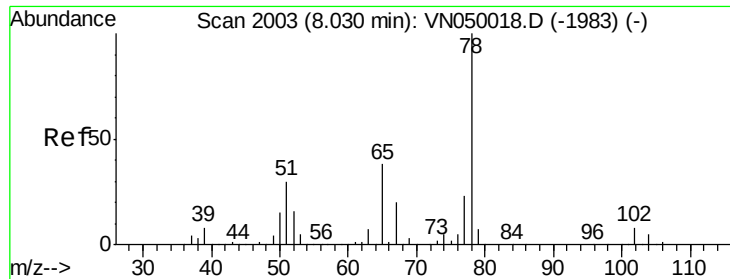


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 47.38 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

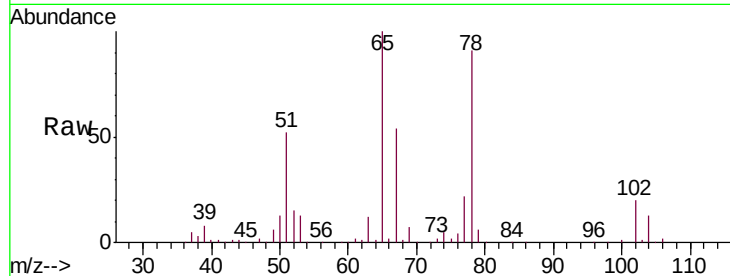
VN0730WBS01

Tot Ion: 65 Resp: 439996

Ion Ratio Lower Upper

65 100

67 53.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

150000

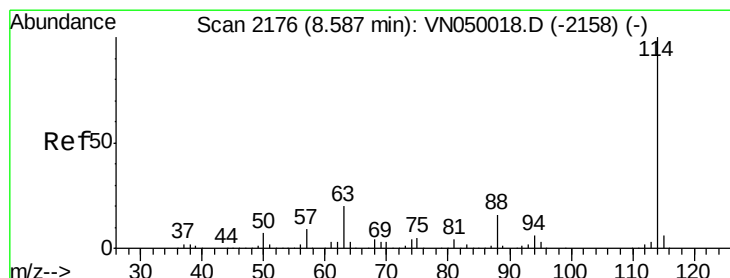
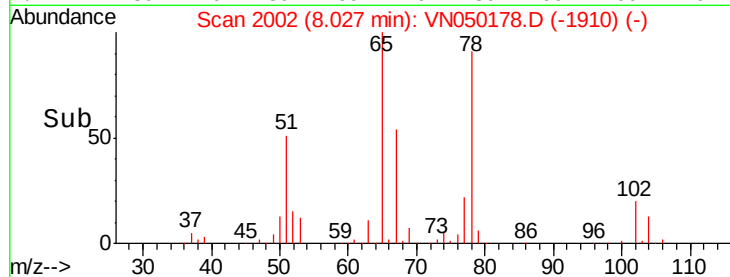
100000

50000

0

Time-->

7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

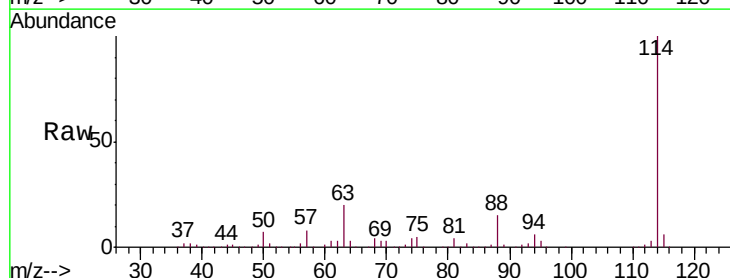
Tgt Ion: 114 Resp: 975345

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

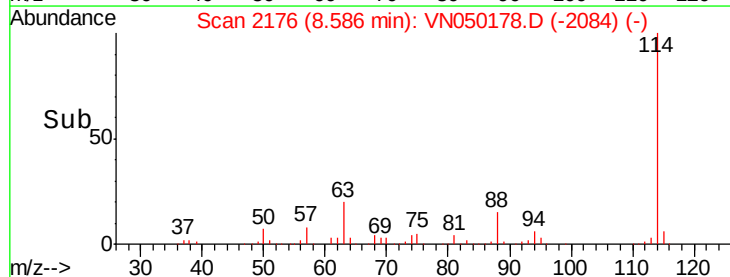
200000

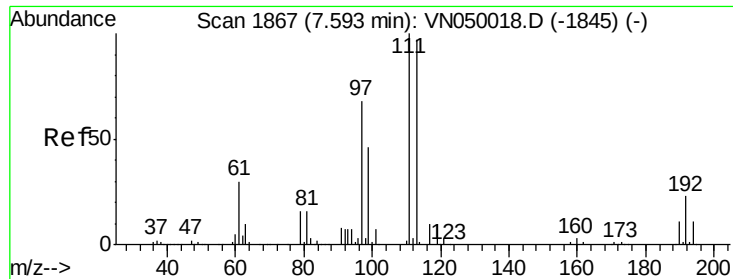
100000

0

Time-->

8.50 8.60 8.70

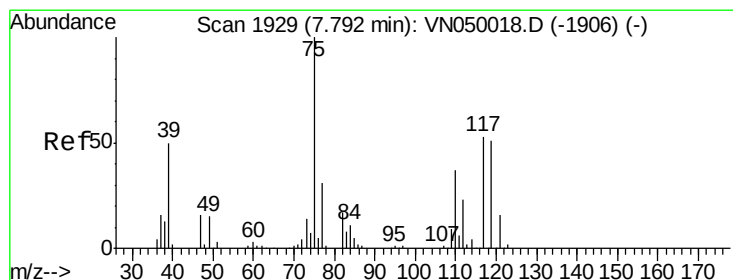
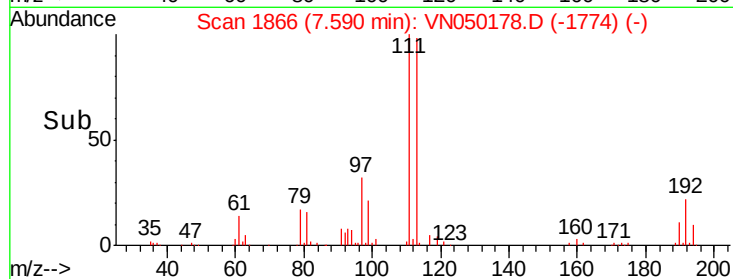
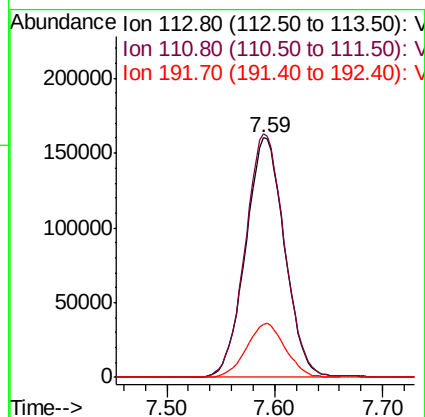
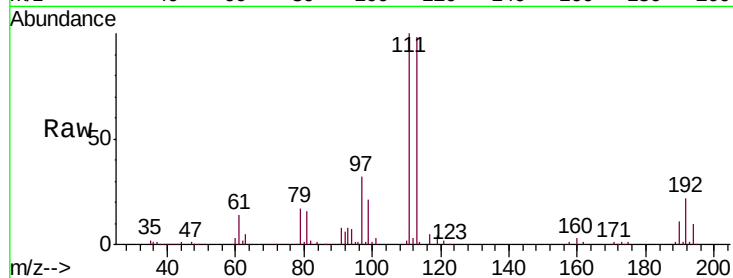




#35
 Dibromofluoromethane
 Concen: 50.42 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

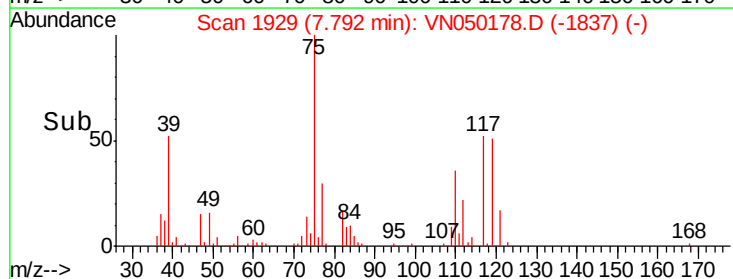
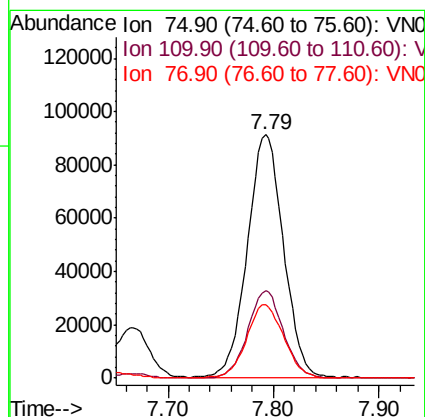
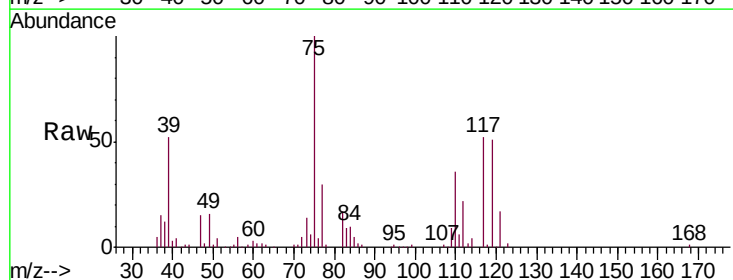
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

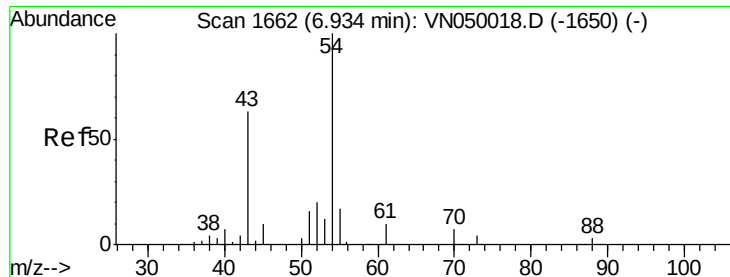
Tot Ion:113 Resp: 401488
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.7 121.1
 192 22.4 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 19.75 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion: 75 Resp: 217028
 Ion Ratio Lower Upper
 75 100
 110 35.7 18.4 55.2
 77 31.4 25.3 37.9

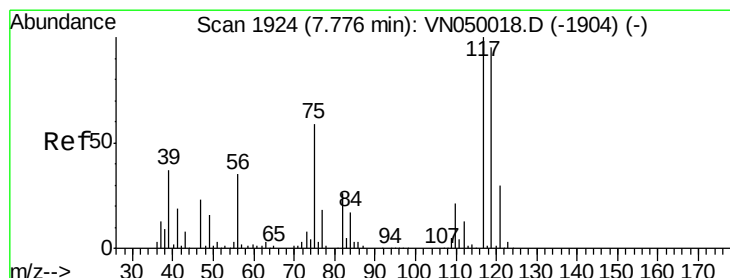
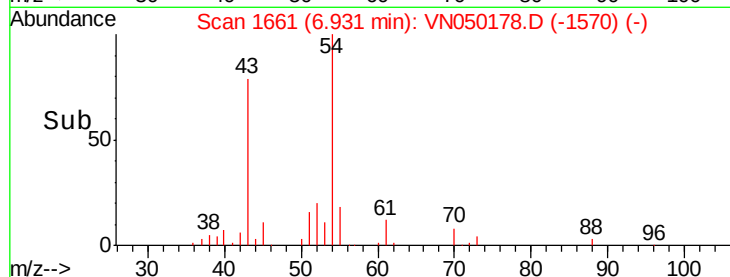
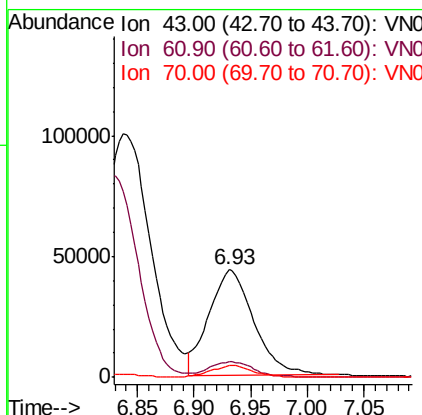
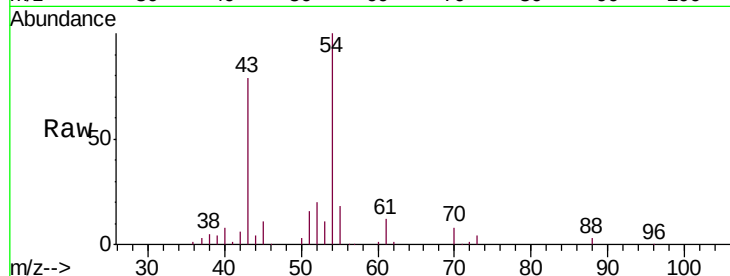




#37
Ethyl Acetate
Concen: 15.80 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

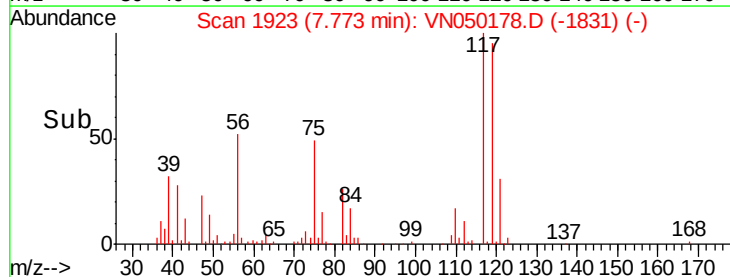
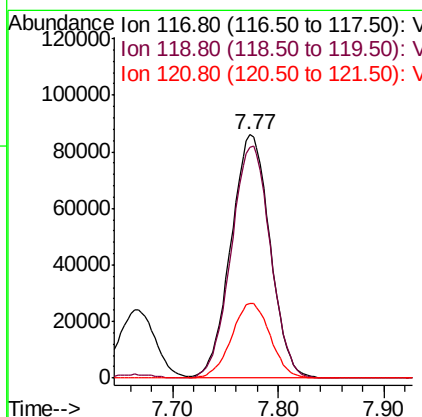
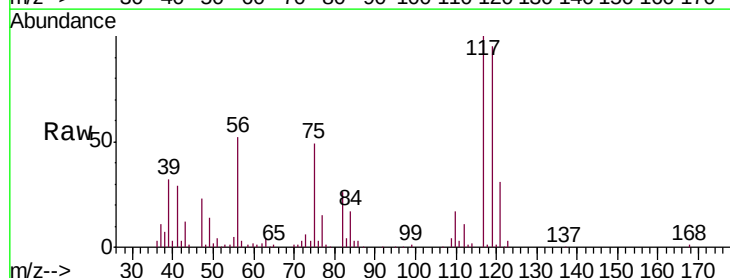
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

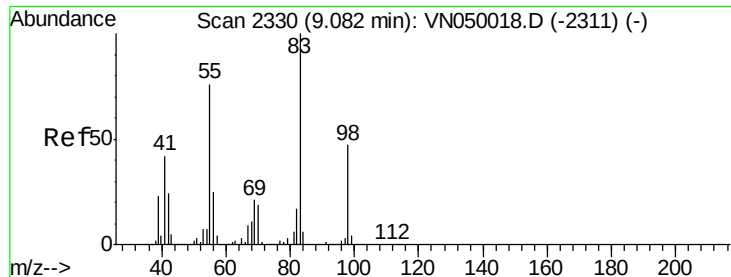
Tot Ion: 43 Resp: 121036
Ion Ratio Lower Upper
43 100
61 14.0 11.8 17.8
70 10.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.99 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion: 117 Resp: 221444
Ion Ratio Lower Upper
117 100
119 94.8 77.4 116.0
121 30.9 23.9 35.9

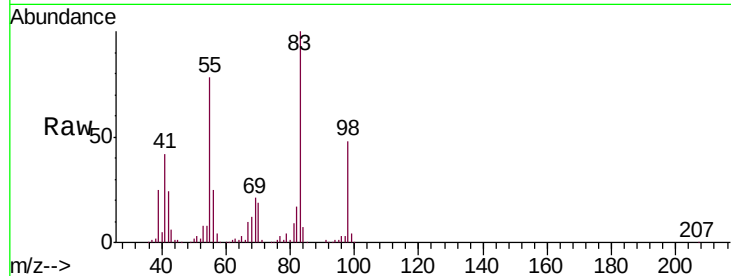




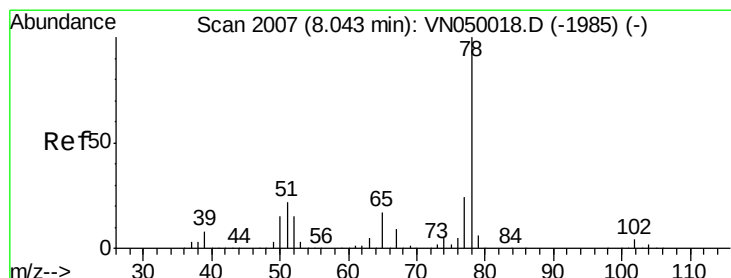
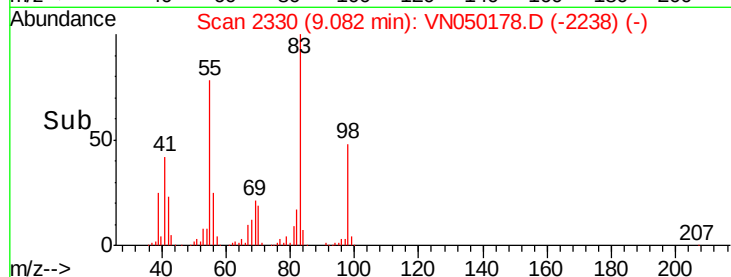
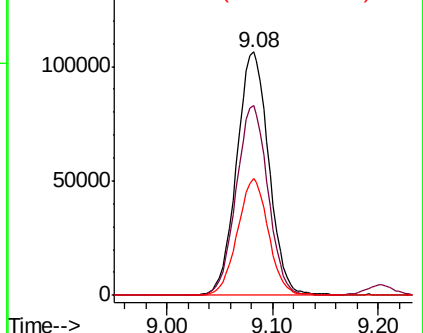
#39
Methylvlcyclohexane
Concen: 19.90 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampled :
VN0730WBS01

Tot Ion: 83 Resp: 224990
Ion Ratio Lower Upper
83 100
55 77.9 61.8 92.8
98 47.9 36.5 54.7

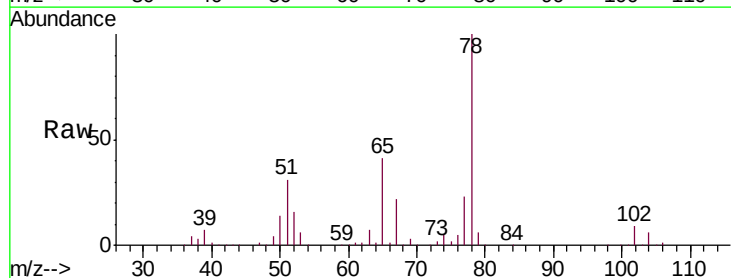


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

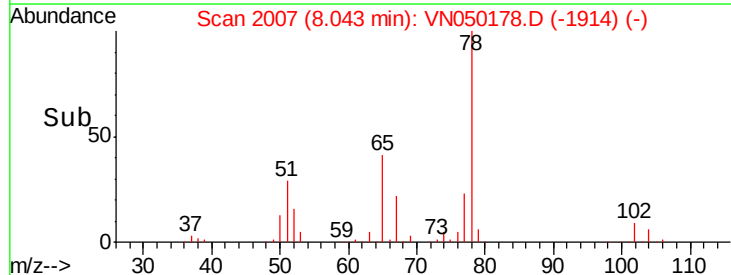
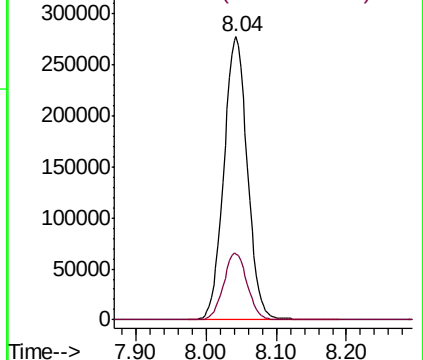


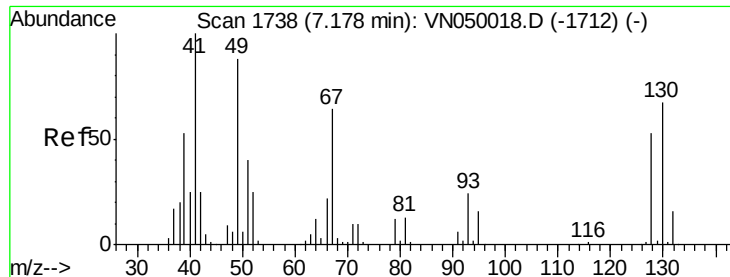
#40
Benzene
Concen: 19.39 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion: 78 Resp: 648405
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

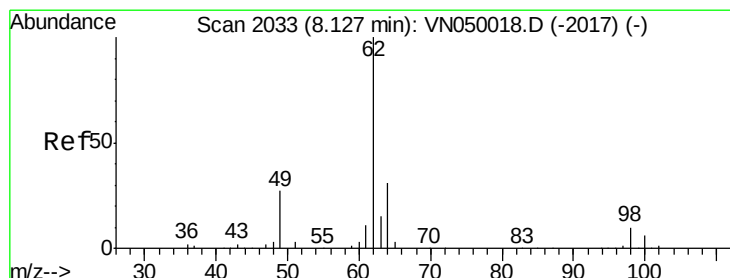
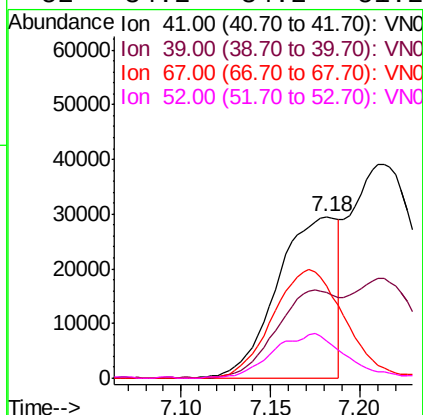
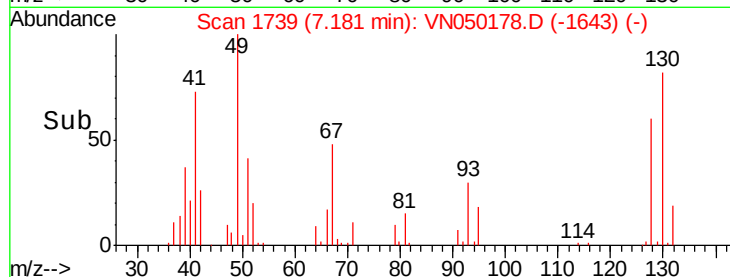
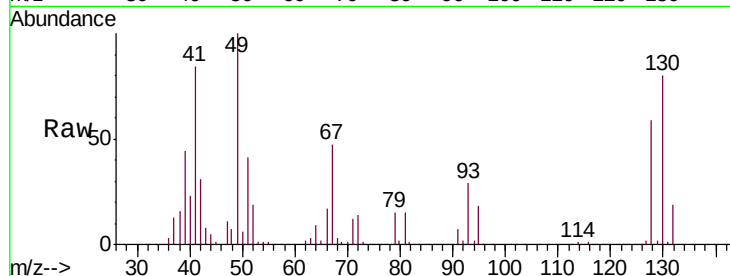




#41
Methacrylonitrile
Concen: 19.19 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

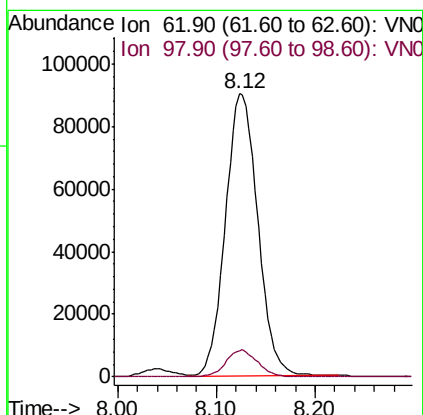
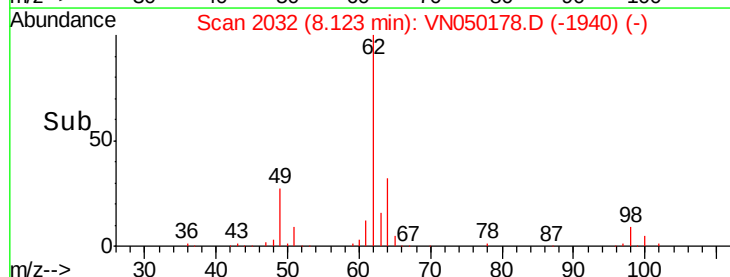
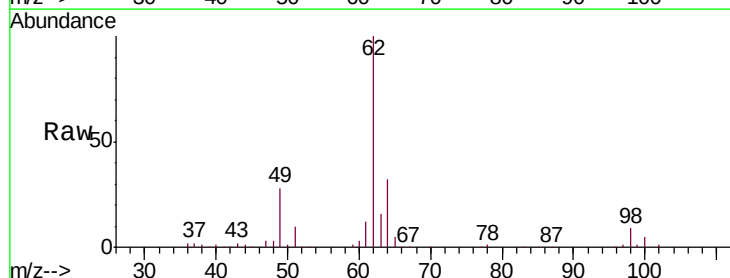
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

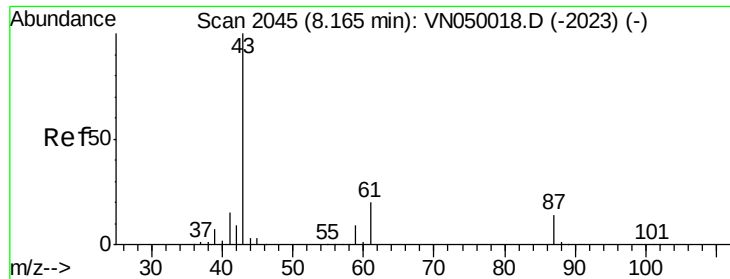
Tot Ion: 41 Resp: 69406
Ion Ratio Lower Upper
41 100
39 57.8 55.8 83.6
67 81.3 84.3 126.5#
52 34.2 34.2 51.2



#42
1,2-Dichloroethane
Concen: 18.57 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion: 62 Resp: 207136
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.8





#43

Isopropyl Acetate

Concen: 17.29 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

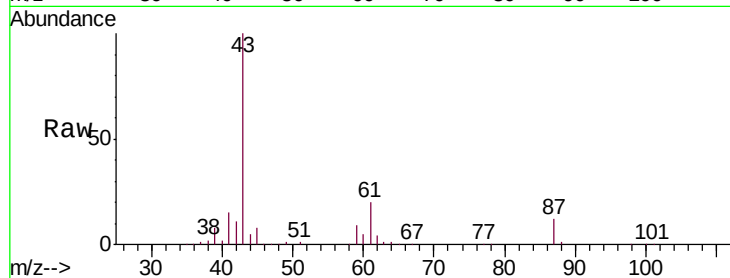
Tot Ion: 43 Resp: 260327

Ion Ratio Lower Upper

43 100

61 17.8 15.8 23.6

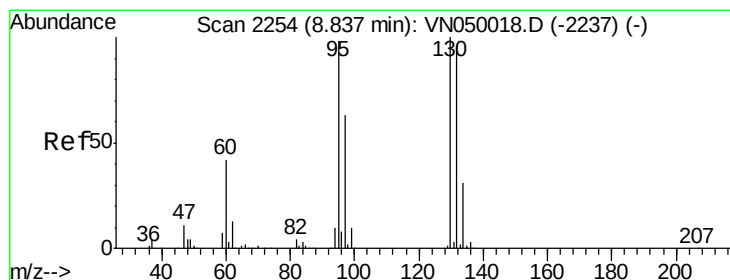
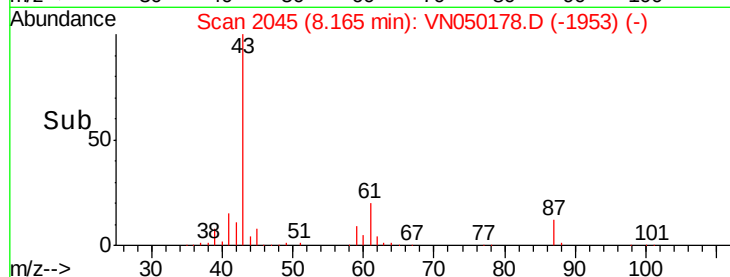
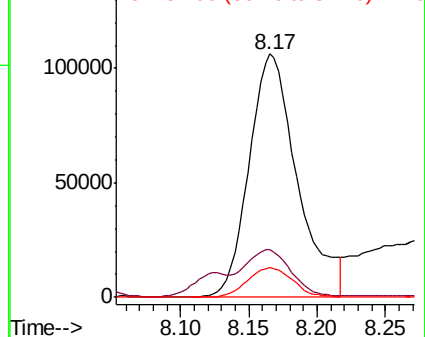
87 11.5 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.80 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050178.D

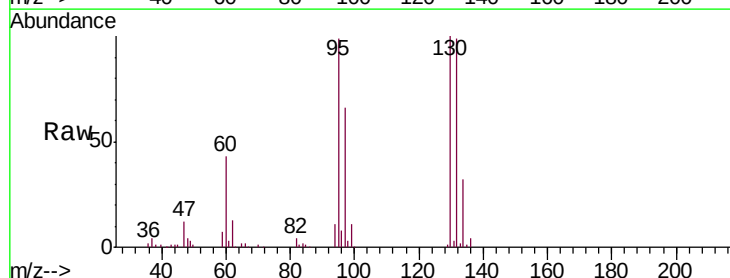
Acq: 30 Jul 2018 11:26

Tgt Ion:130 Resp: 168898

Ion Ratio Lower Upper

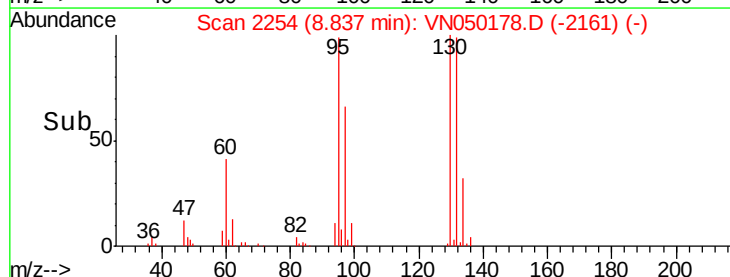
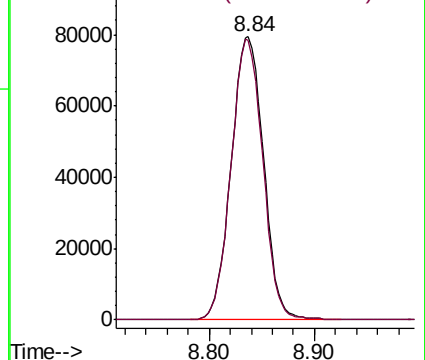
130 100

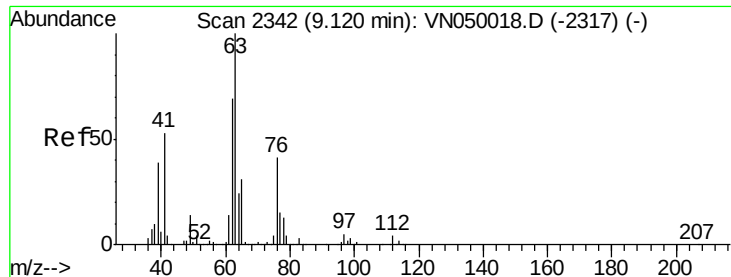
95 98.7 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.41 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

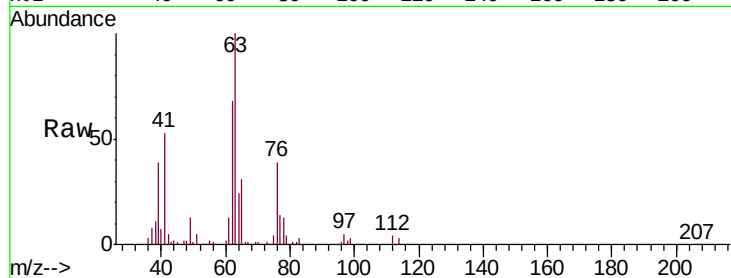
VN0730WBS01

Tot Ion: 63 Resp: 171949

Ion Ratio Lower Upper

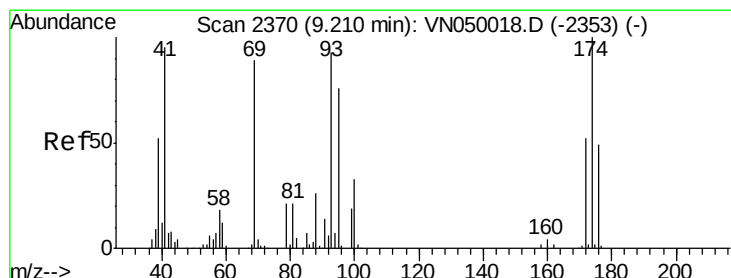
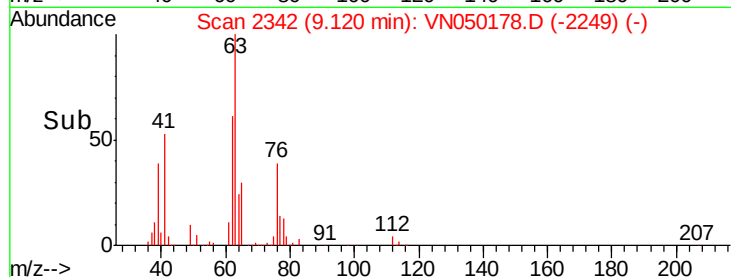
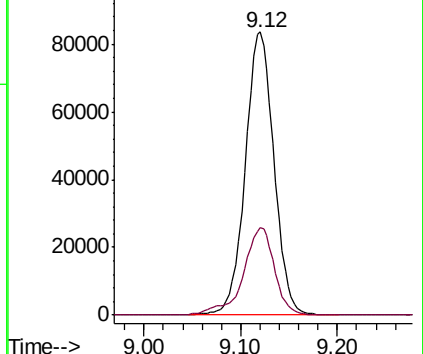
63 100

65 30.8 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.38 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

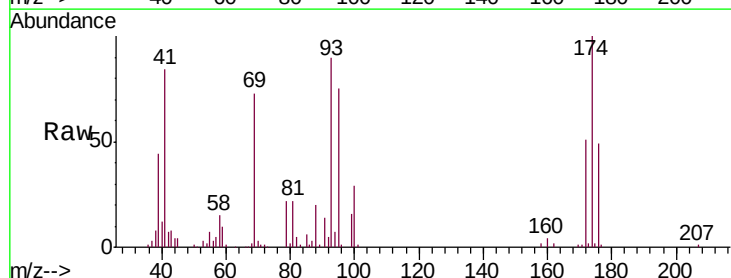
Tgt Ion: 93 Resp: 101055

Ion Ratio Lower Upper

93 100

95 82.0 66.6 100.0

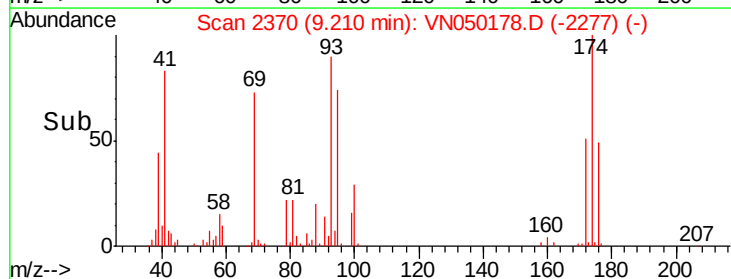
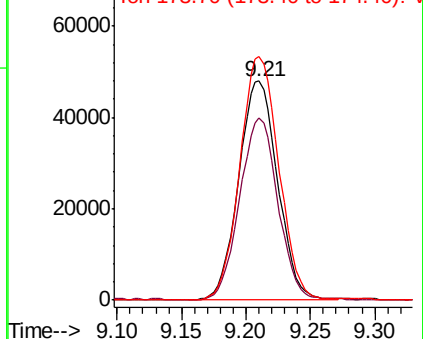
174 110.9 87.1 130.7

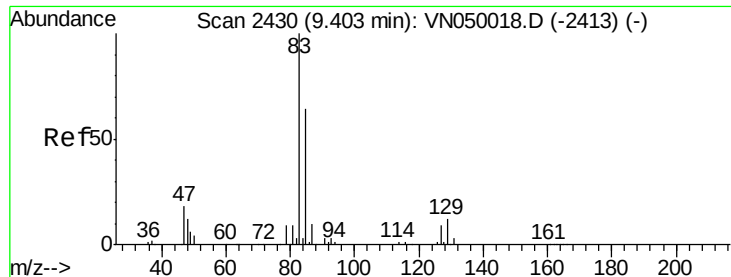


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.84 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

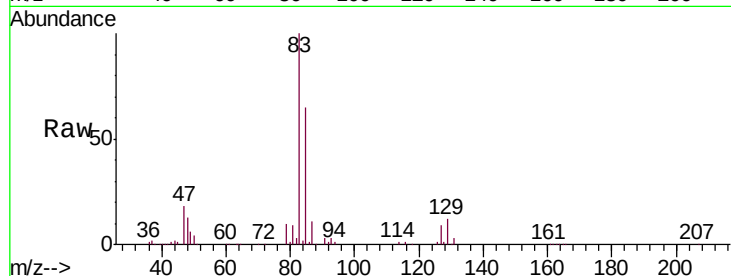
Tot Ion: 83 Resp: 218657

Ion Ratio Lower Upper

83 100

85 65.1 51.1 76.7

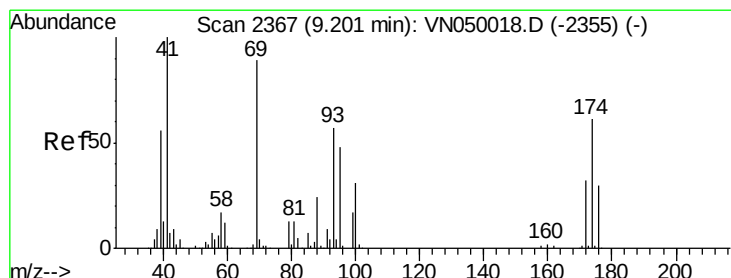
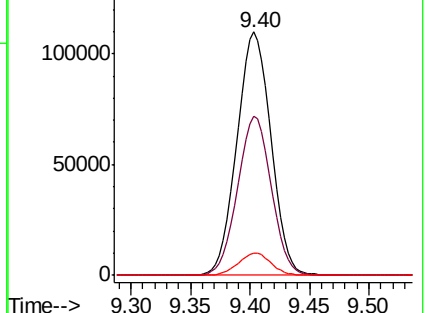
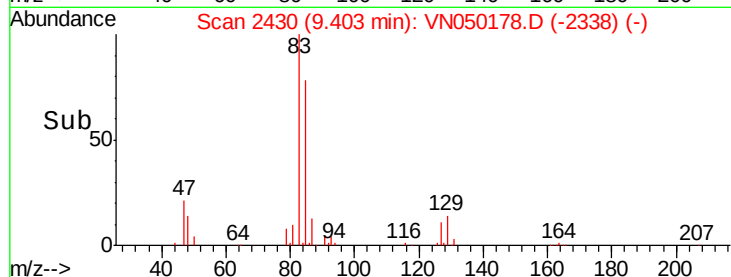
127 9.1 7.0 10.4



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: 16.58 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

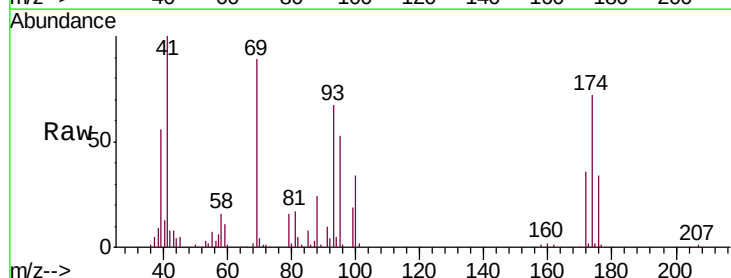
Tgt Ion: 41 Resp: 109383

Ion Ratio Lower Upper

41 100

69 92.3 70.6 105.8

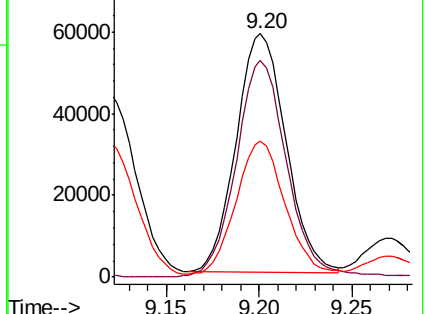
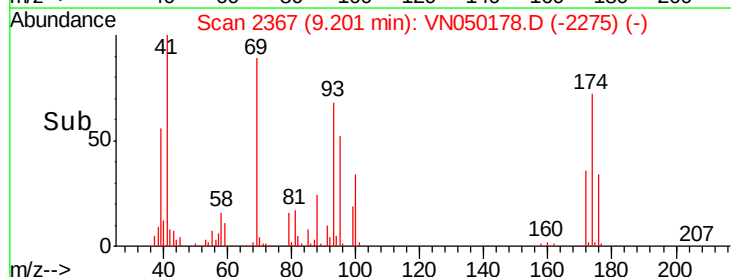
39 56.9 43.9 65.9

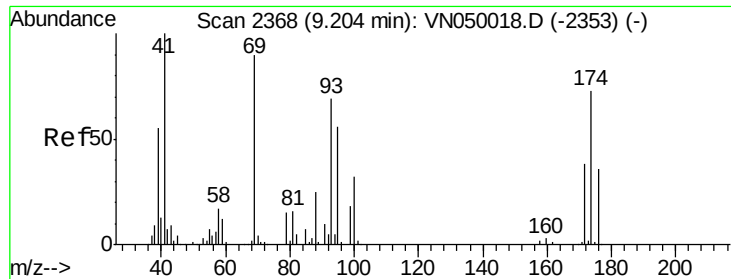


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

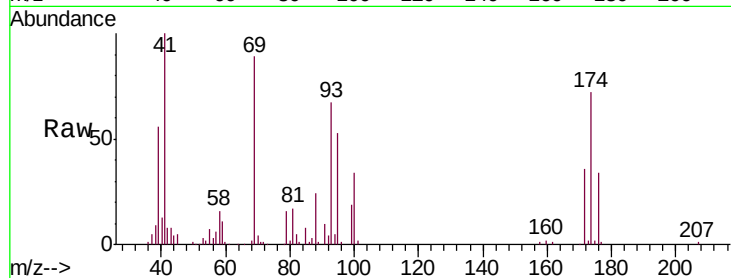




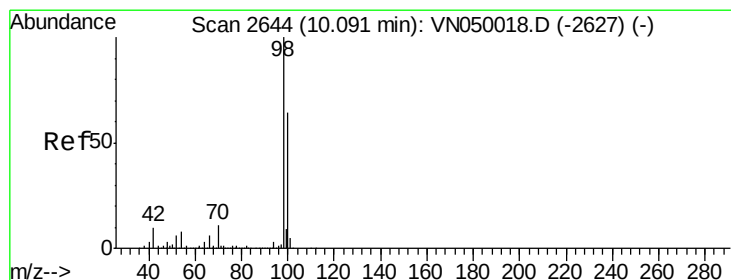
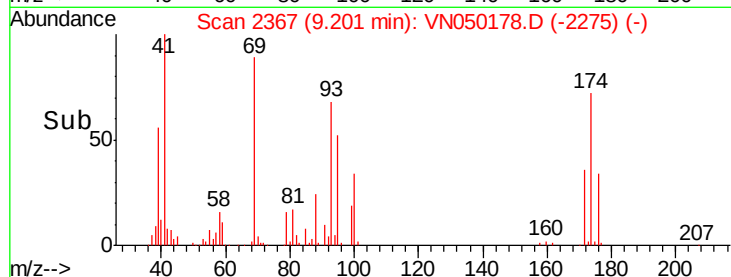
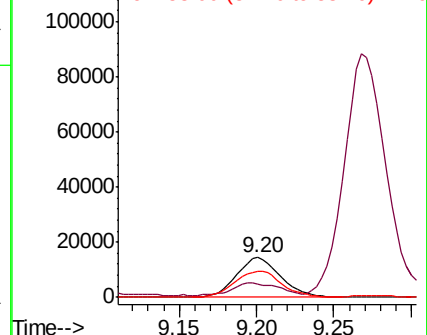
#49
1,4-Dioxane
Concen: 318.62 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion: 88 Resp: 28610
Ion Ratio Lower Upper
88 100
43 32.1 26.9 40.3
58 70.2 57.3 85.9

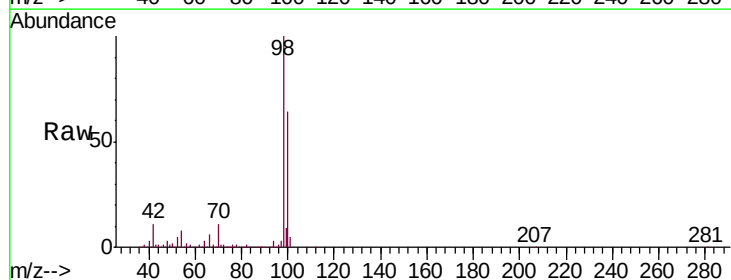


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

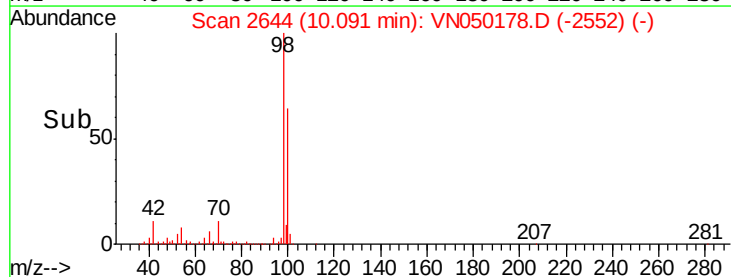
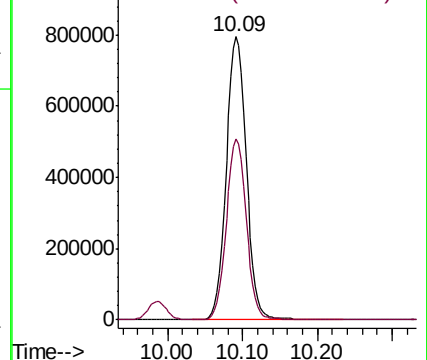


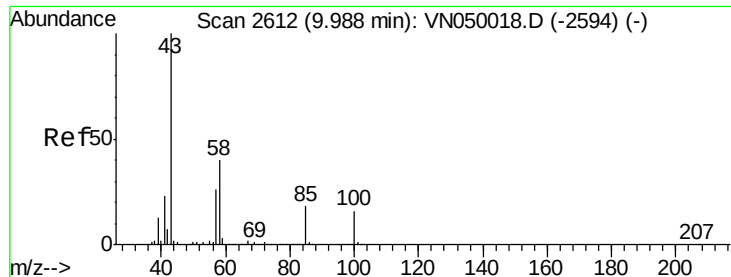
#50
Toluene-d8
Concen: 50.32 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion: 98 Resp: 1473121
Ion Ratio Lower Upper
98 100
100 63.9 50.7 76.1



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

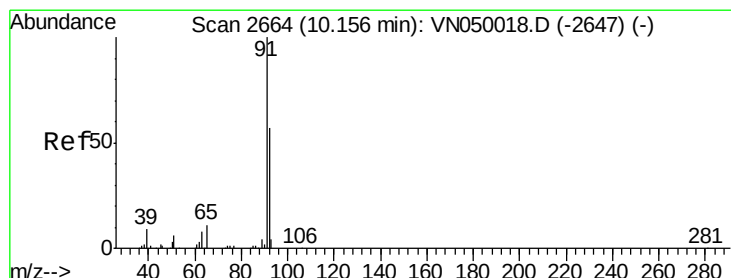
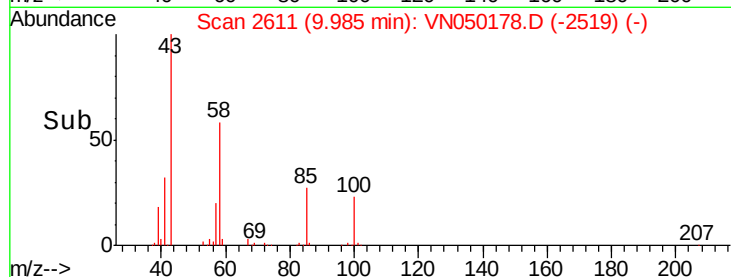
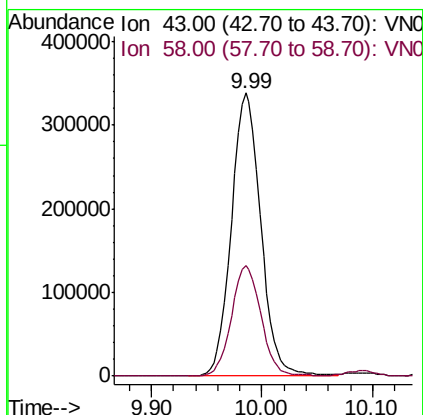
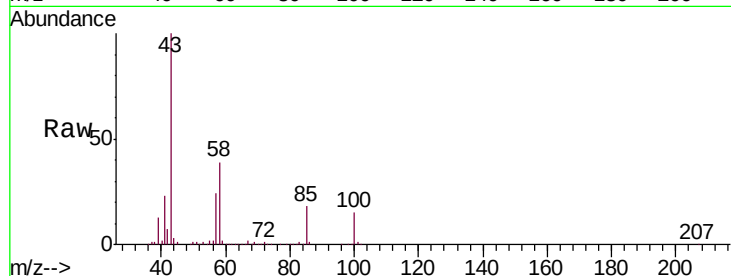




#51
4-Methyl-2-Pentanone
Concen: 82.97 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

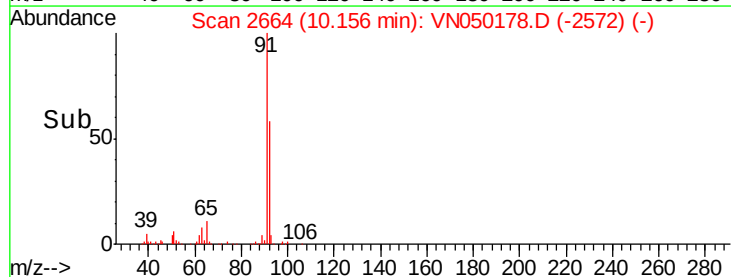
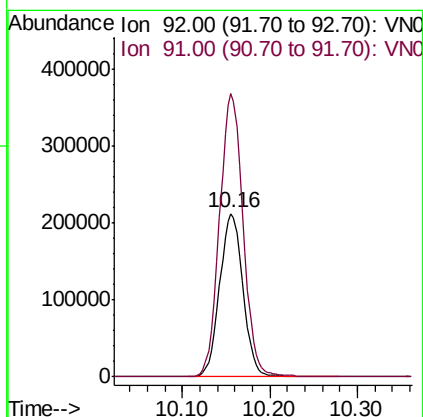
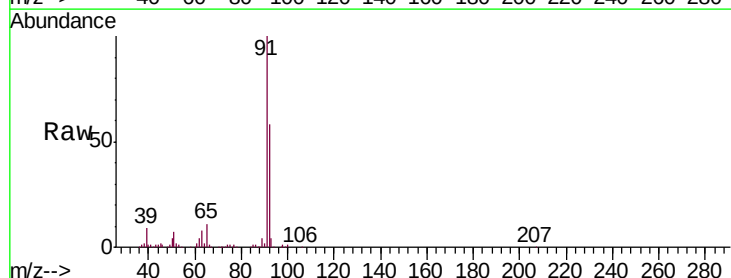
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

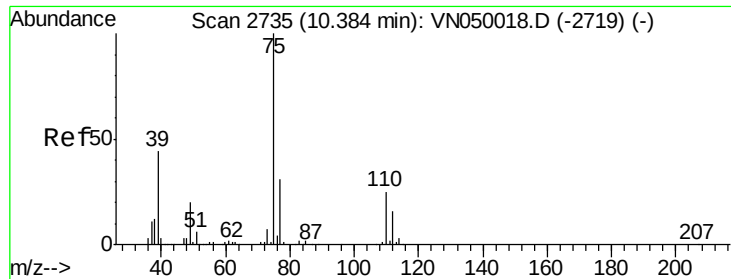
Tot Ion: 43 Resp: 624858
Ion Ratio Lower Upper
43 100
58 39.4 31.9 47.9



#52
Toluene
Concen: 19.97 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion: 92 Resp: 394187
Ion Ratio Lower Upper
92 100
91 174.9 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 19.31 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampled :

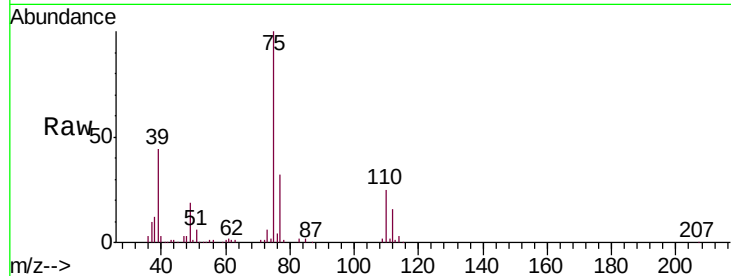
VN0730WBS01

Tot Ion: 75 Resp: 211477

Ion Ratio Lower Upper

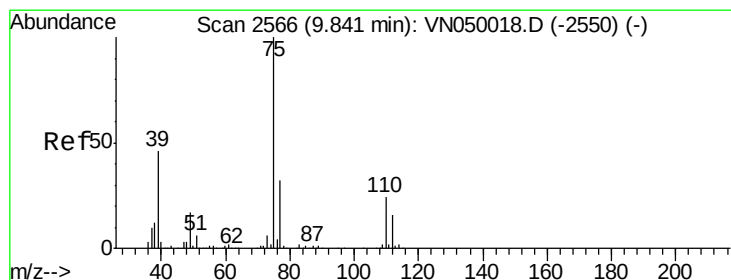
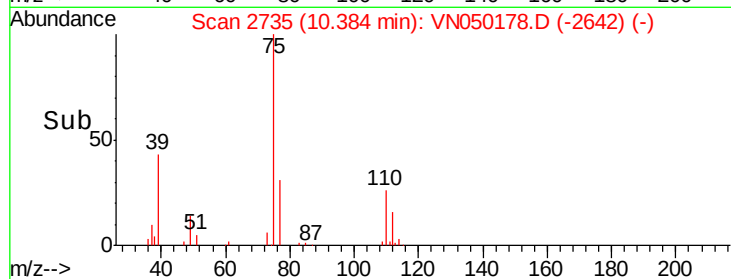
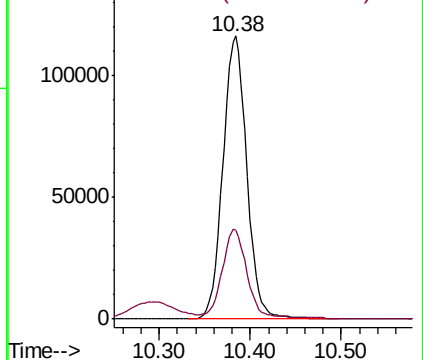
75 100

77 31.2 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.50 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

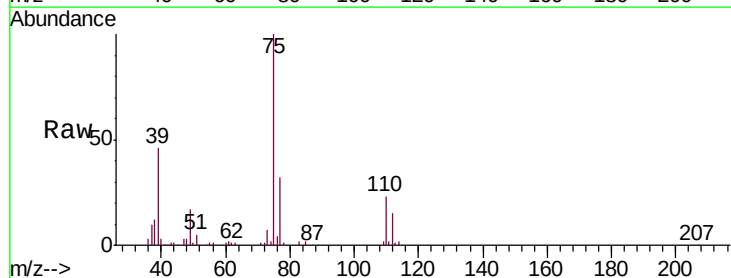
Tgt Ion: 75 Resp: 244144

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

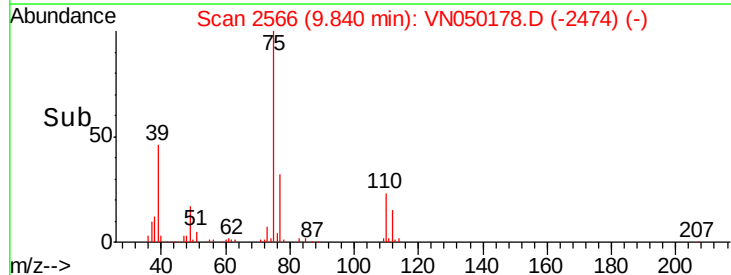
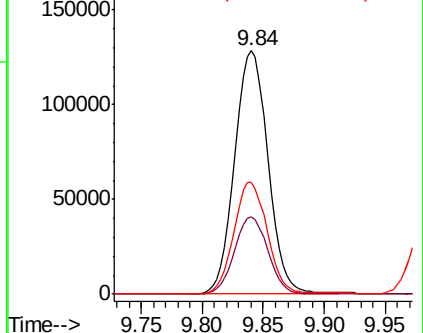
39 45.9 36.6 55.0

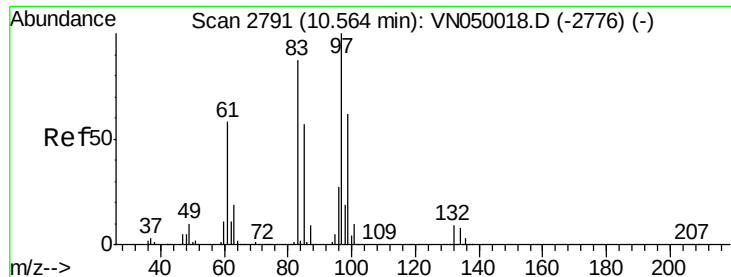


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 18.34 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

Tot Ion: 97 Resp: 143612

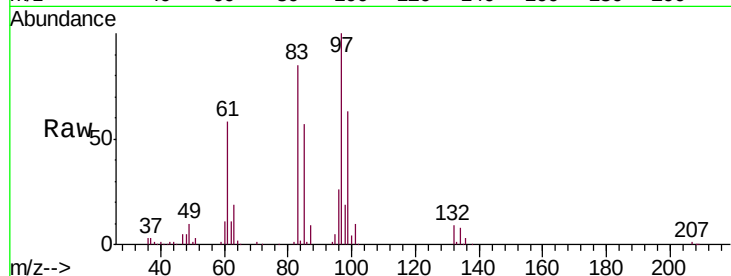
Ion Ratio Lower Upper

97 100

83 84.8 69.2 103.8

85 57.2 44.0 66.0

99 63.2 49.9 74.9



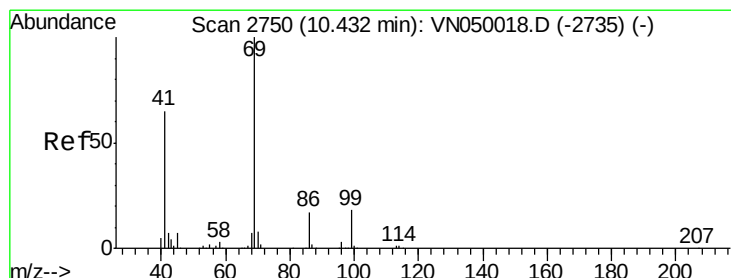
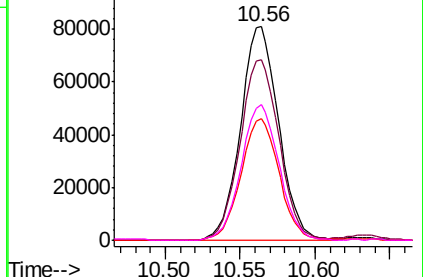
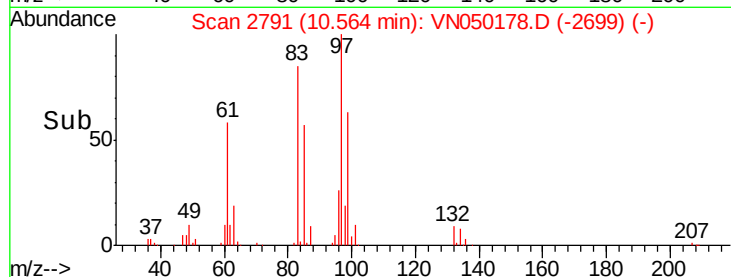
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 16.96 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

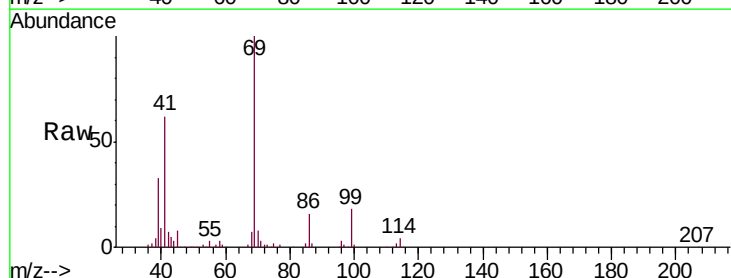
Tgt Ion: 69 Resp: 165036

Ion Ratio Lower Upper

69 100

41 61.6 51.0 76.4

39 32.4 26.6 40.0

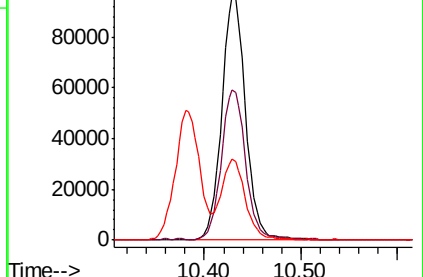
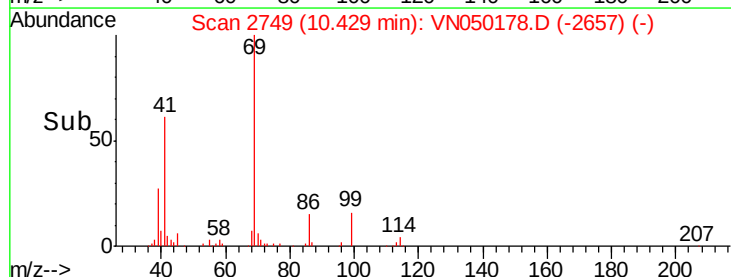


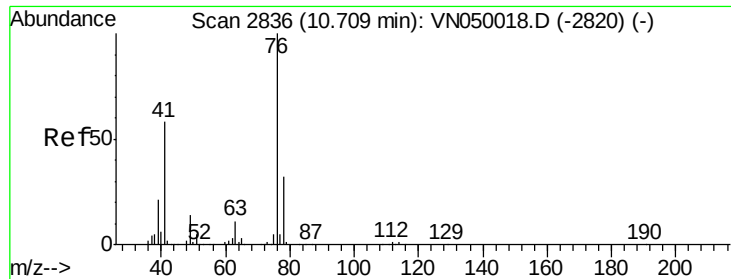
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

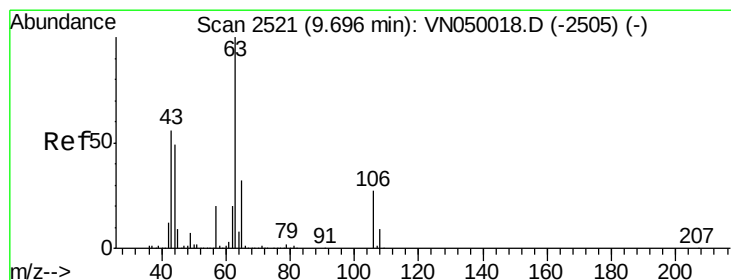
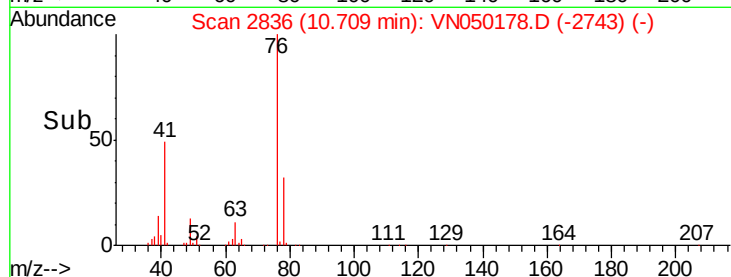
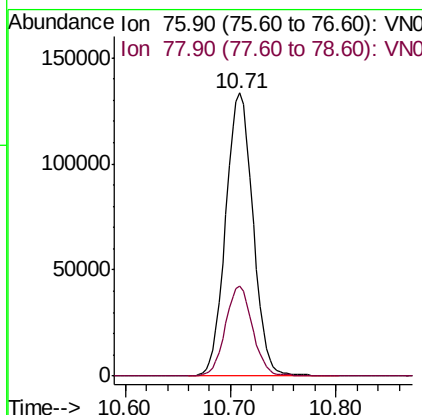
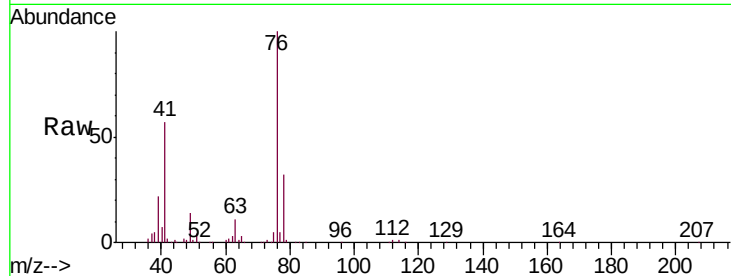




#57
 1,3-Dichloropropane
 Concen: 18.77 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

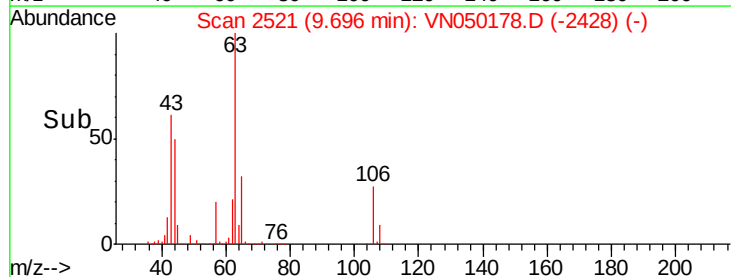
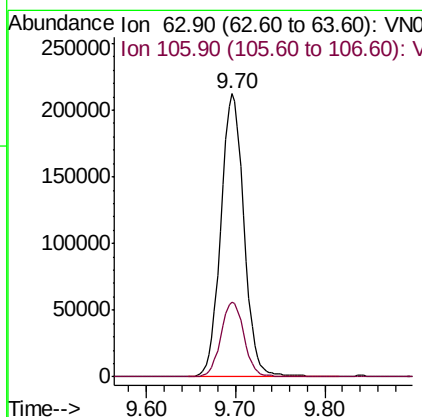
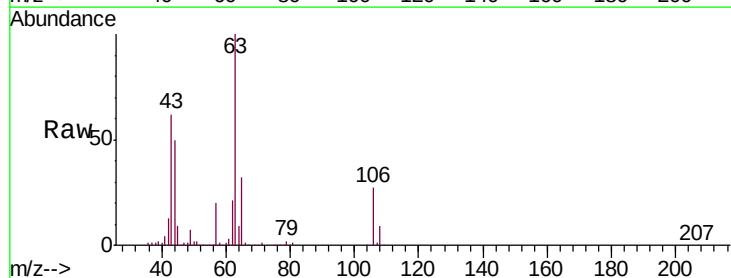
Instrument :
 MSVOA_N
 ClientSampled :
 VN0730WBS01

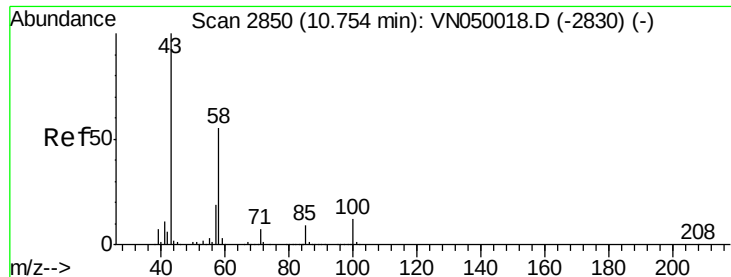
Tot Ion: 76 Resp: 239335
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.96 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion: 63 Resp: 381810
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.7 32.5

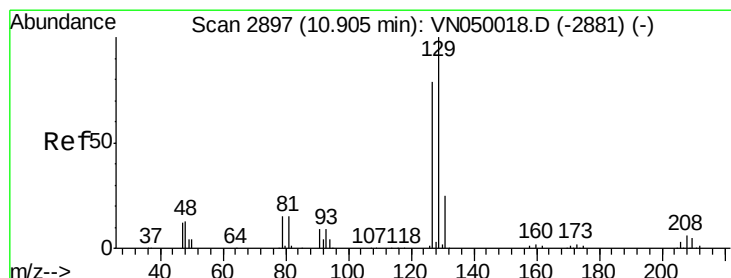
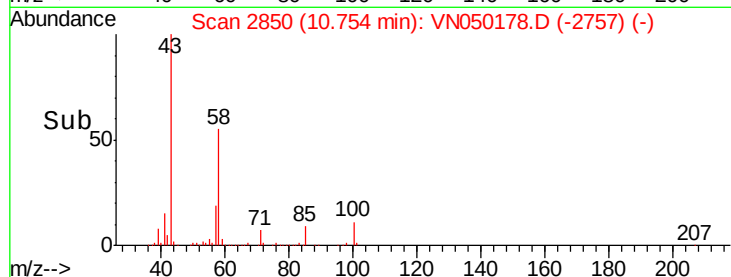
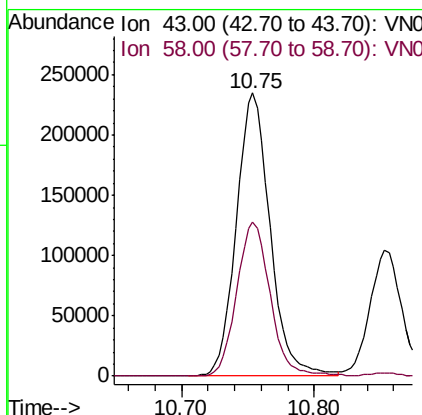
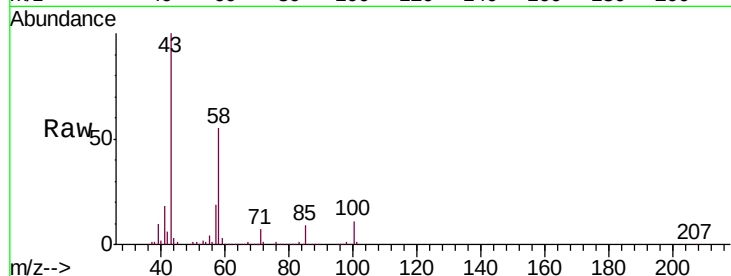




#59
2-Hexanone
Concen: 78.15 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

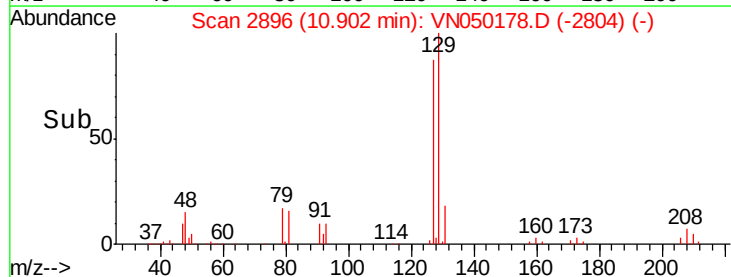
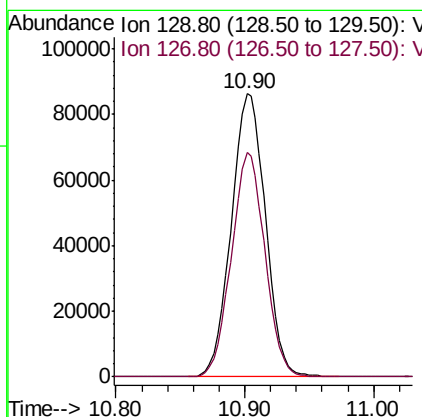
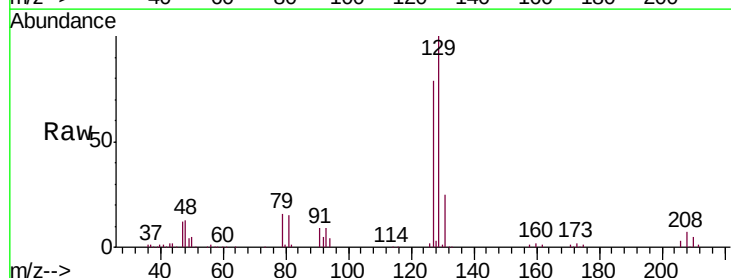
Instrument :
MSVOA_N
ClientSampled :
VN0730WBS01

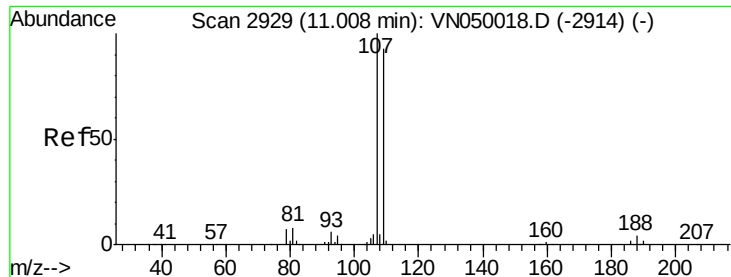
Tot Ion: 43 Resp: 412417
Ion Ratio Lower Upper
43 100
58 54.4 27.6 82.7



#60
Dibromochloromethane
Concen: 18.29 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion: 129 Resp: 158581
Ion Ratio Lower Upper
129 100
127 77.9 38.0 113.9





#61

1,2-Dibromoethane

Concen: 17.45 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

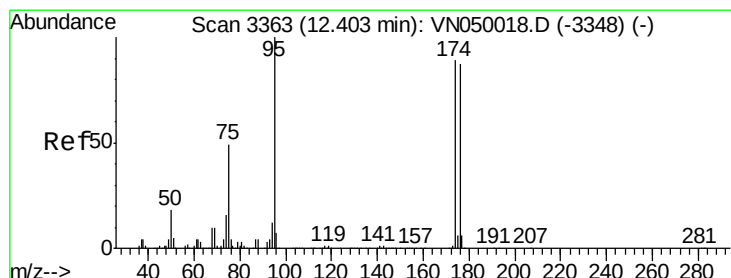
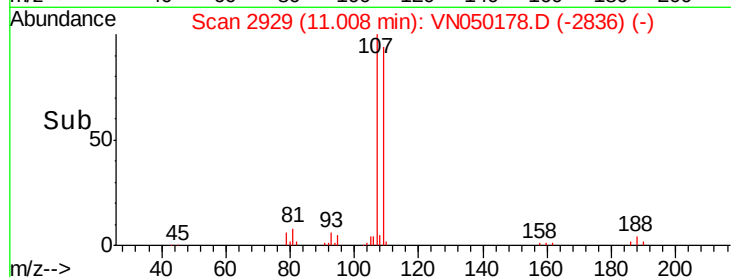
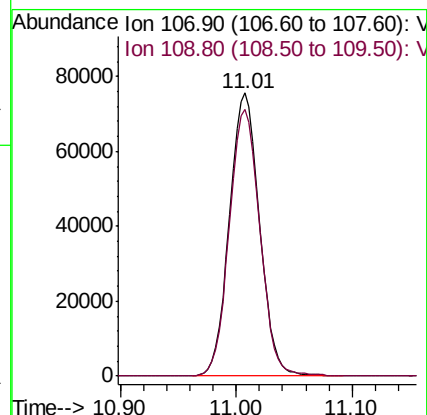
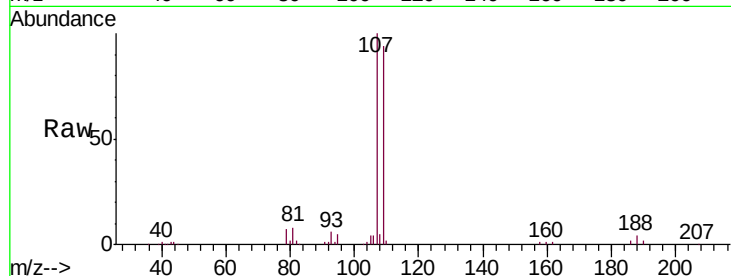
VN0730WBS01

Tot Ion:107 Resp: 135538

Ion Ratio Lower Upper

107 100

109 95.7 74.6 112.0



#62

4-Bromofluorobenzene

Concen: 49.14 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

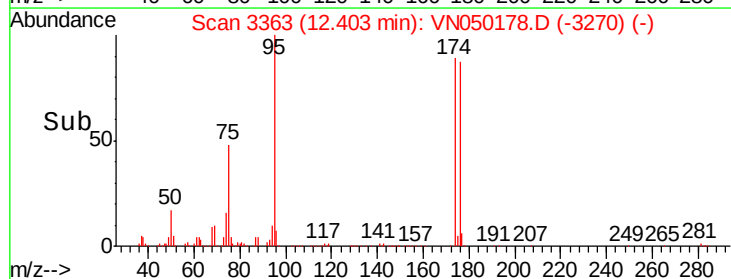
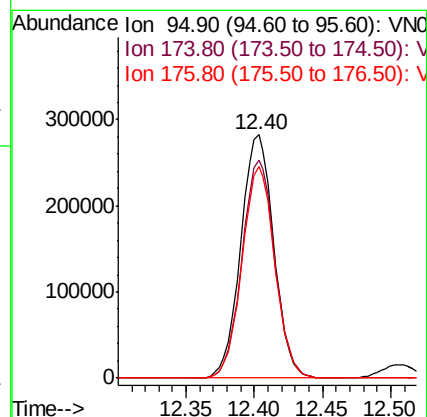
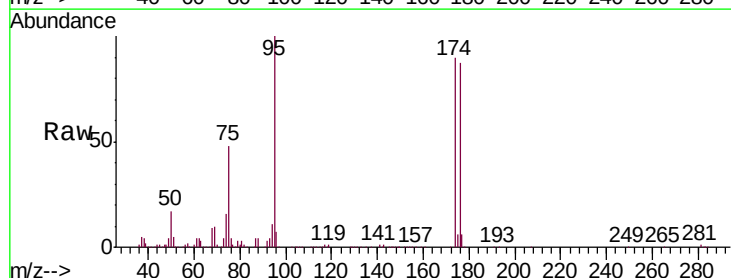
Tgt Ion: 95 Resp: 473671

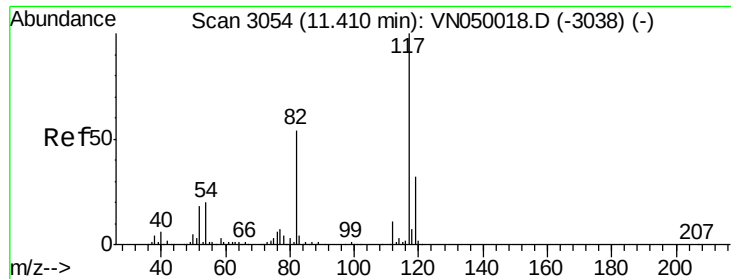
Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.2

176 86.3 0.0 173.4

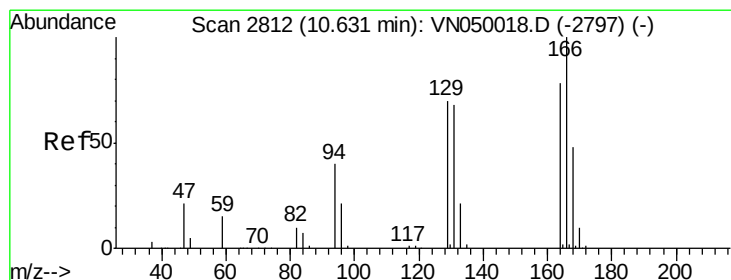
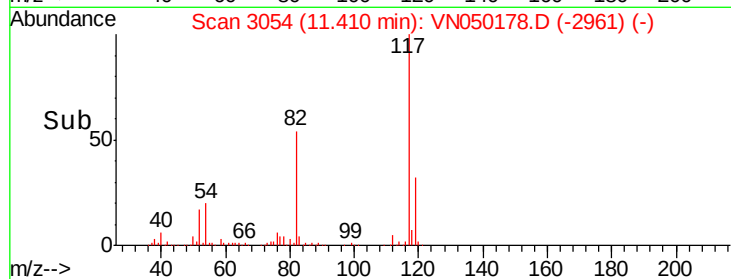
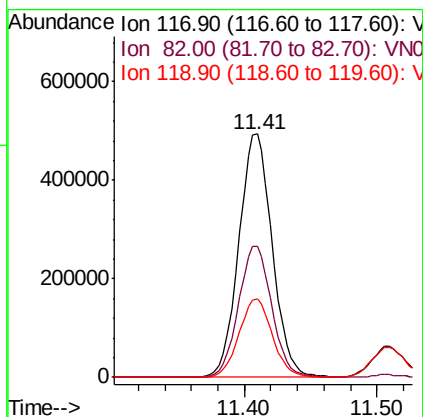
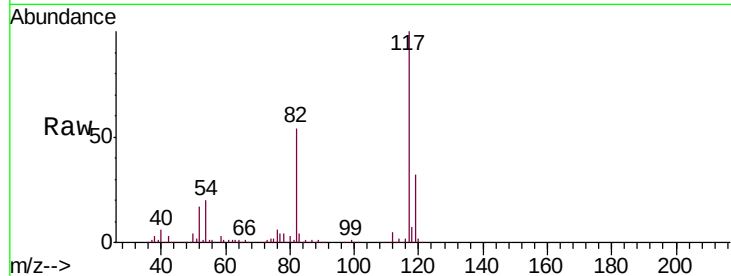




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

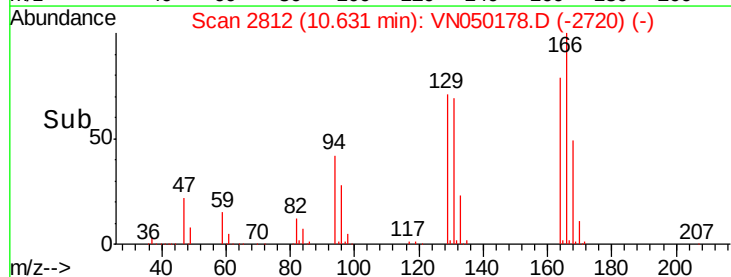
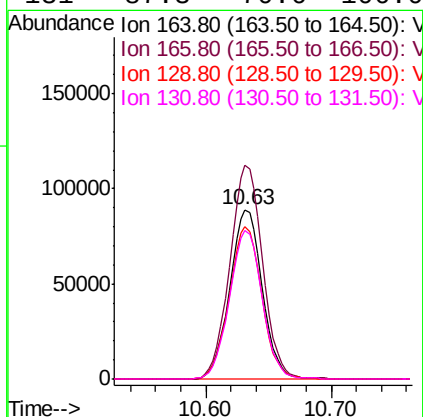
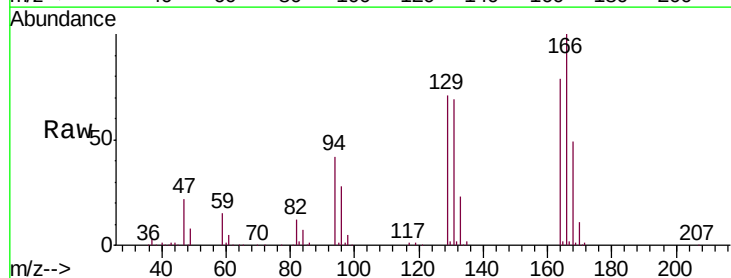
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

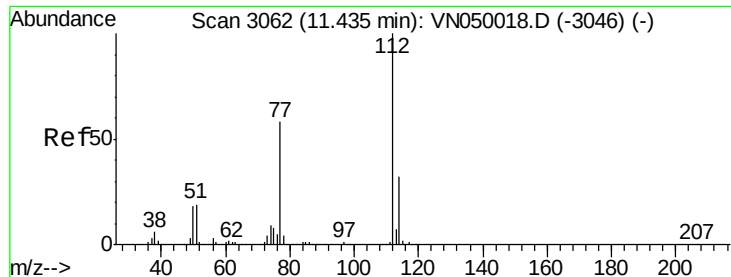
Tot Ion:117 Resp: 862506
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 32.5 26.1 39.1



#64
Tetrachloroethene
Concen: 19.26 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion:164 Resp: 159715
Ion Ratio Lower Upper
164 100
166 126.0 102.1 153.1
129 90.0 73.2 109.8
131 87.3 70.6 106.0





#65

Chlorobenzene

Concen: 19.37 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampled :

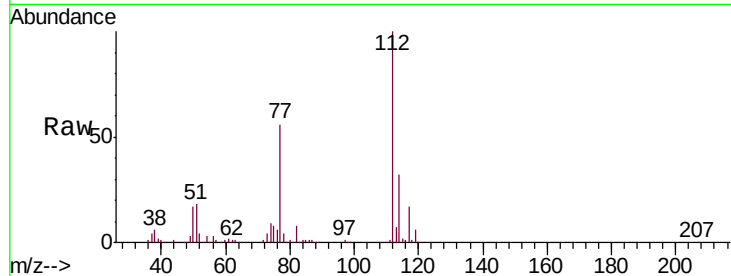
VN0730WBS01

Tot Ion:112 Resp: 421988

Ion Ratio Lower Upper

112 100

114 31.8 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

250000

200000

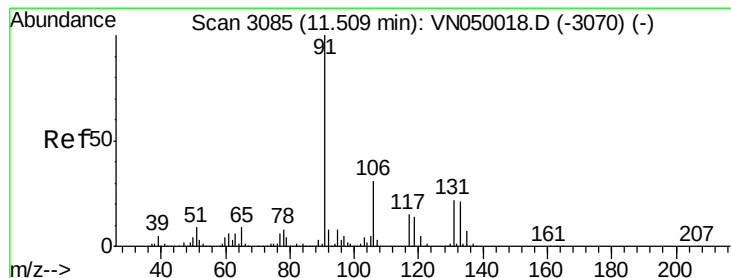
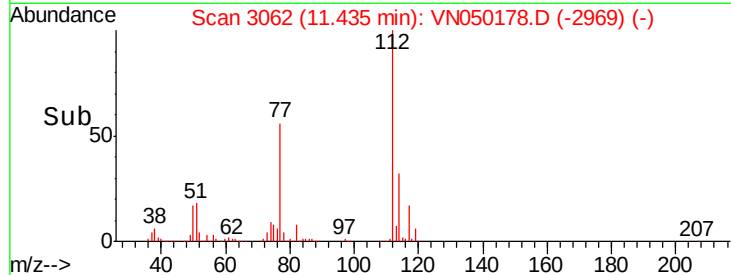
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.18 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

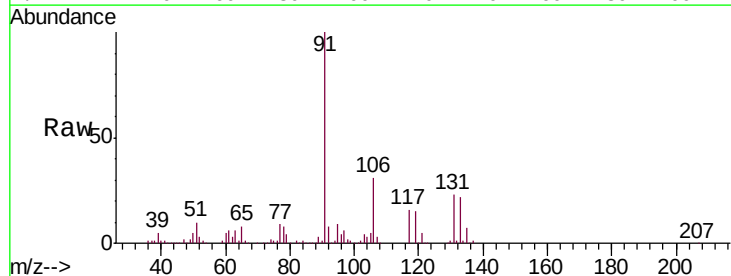
Tgt Ion:131 Resp: 160590

Ion Ratio Lower Upper

131 100

133 97.6 47.3 141.9

119 66.6 32.9 98.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

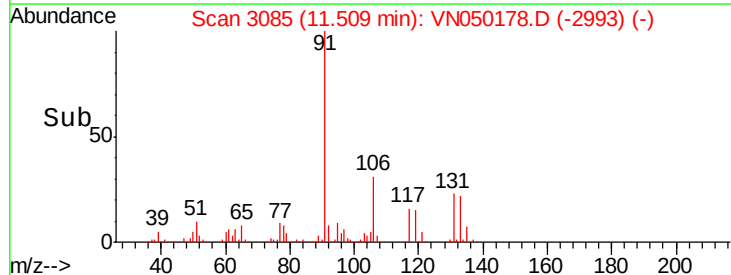
150000

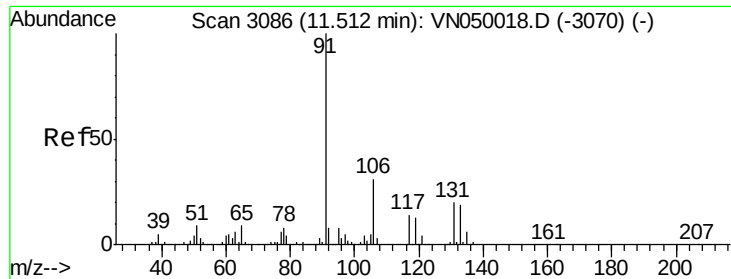
100000

50000

0

Time-->

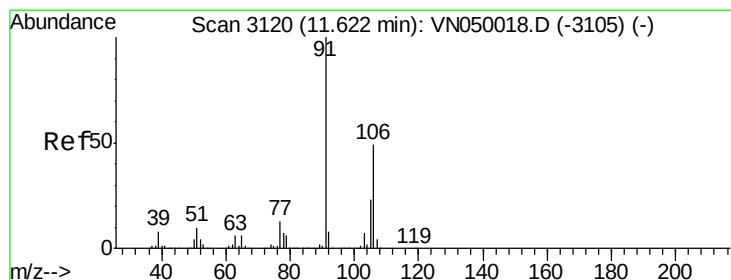
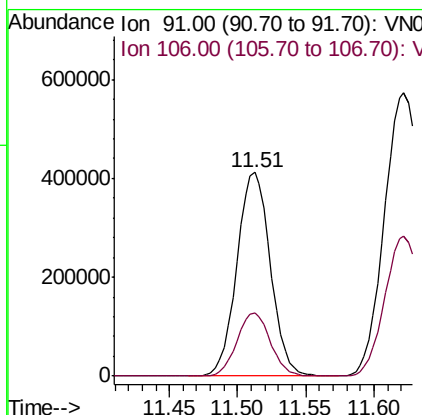
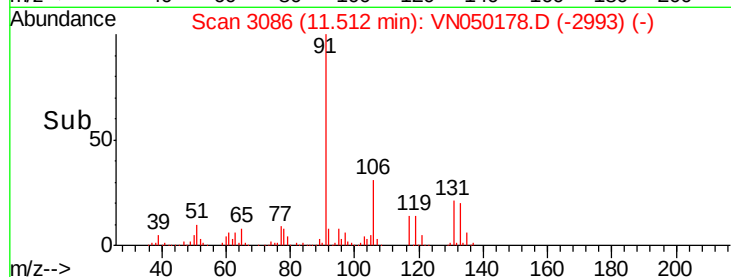
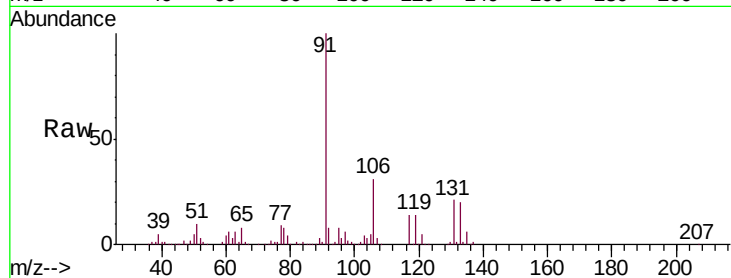




#67
Ethyl Benzene
Concen: 20.05 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

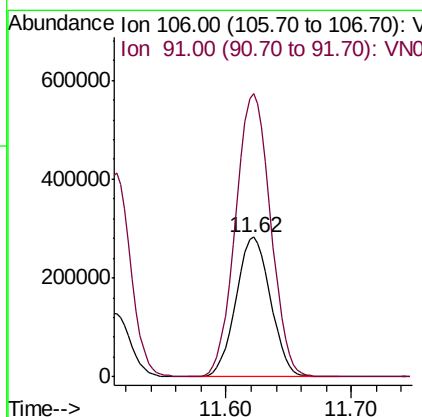
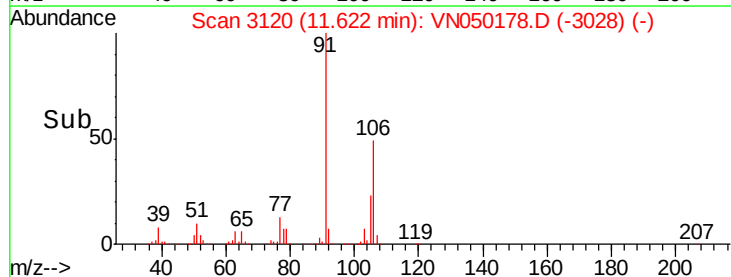
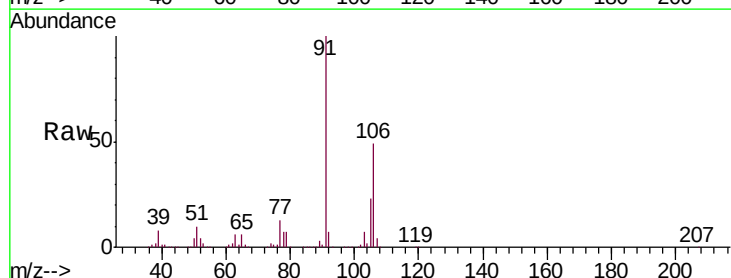
Instrument :
MSVOA_N
ClientSampled :
VN0730WBS01

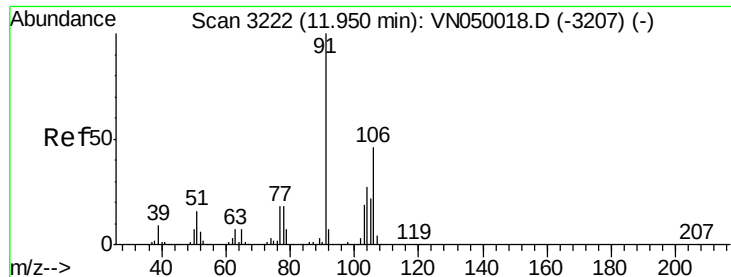
Tot Ion: 91 Resp: 701873
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4



#68
m/p-Xylenes
Concen: 41.03 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion: 106 Resp: 543129
Ion Ratio Lower Upper
106 100
91 204.5 162.2 243.2

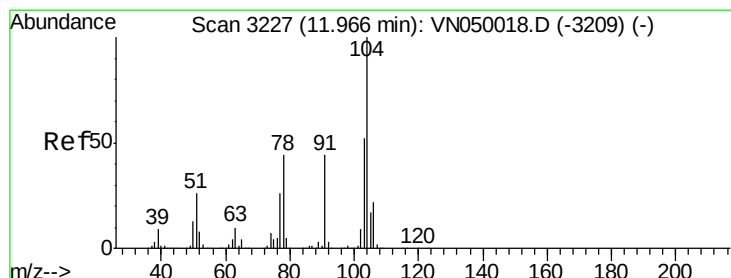
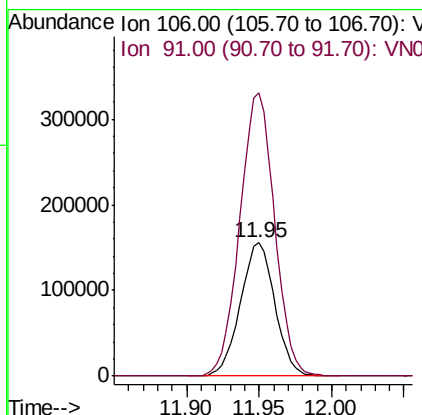
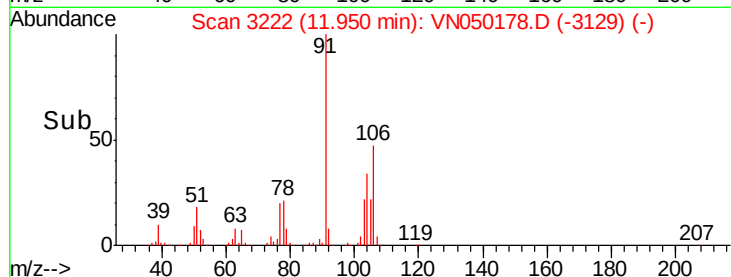
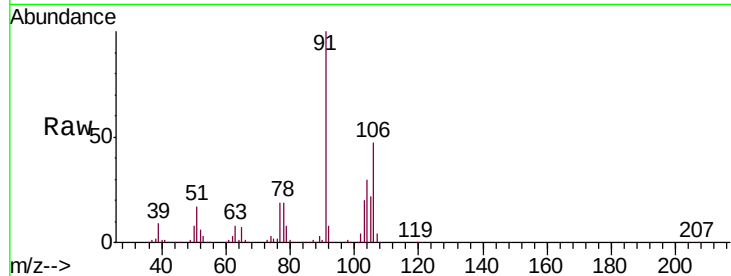




#69
o-Xylene
Concen: 20.42 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

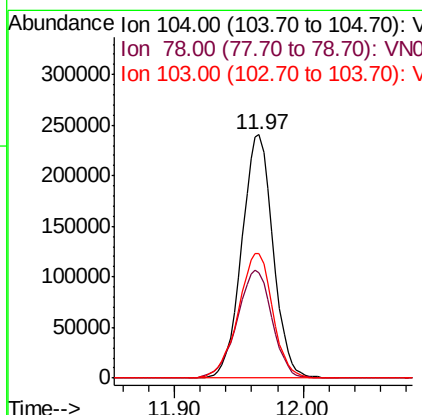
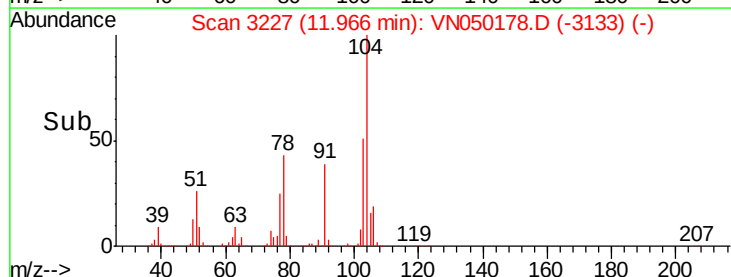
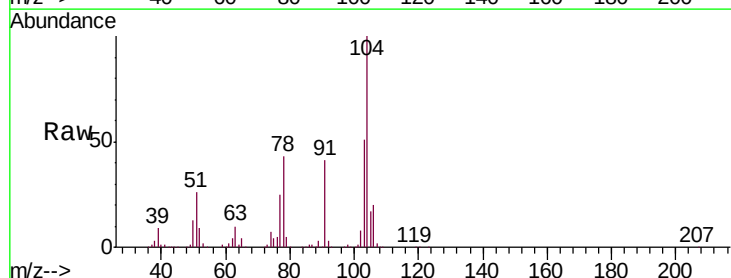
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

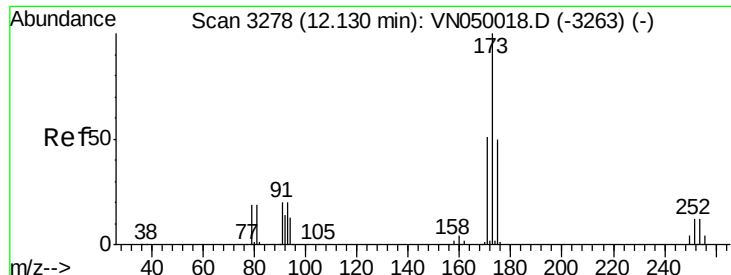
Tot Ion:106 Resp: 257716
Ion Ratio Lower Upper
106 100
91 214.3 107.7 323.1



#70
Styrene
Concen: 18.70 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion:104 Resp: 406514
Ion Ratio Lower Upper
104 100
78 49.6 39.3 58.9
103 56.4 45.0 67.6





#71

Bromoform

Concen: 17.38 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

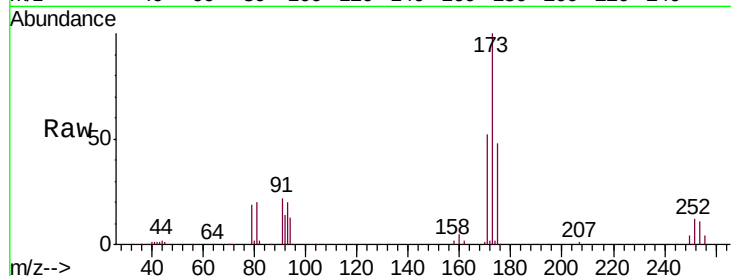
Tot Ion:173 Resp: 105826

Ion Ratio Lower Upper

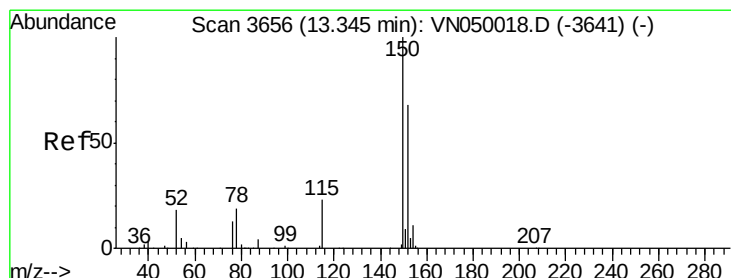
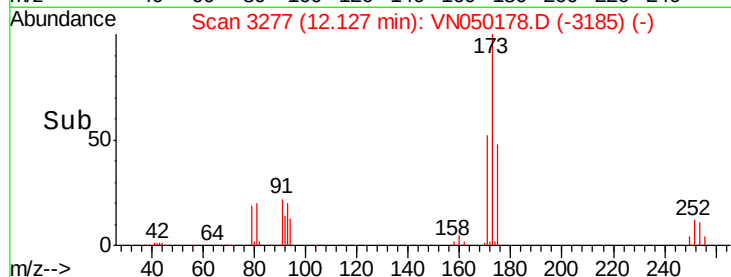
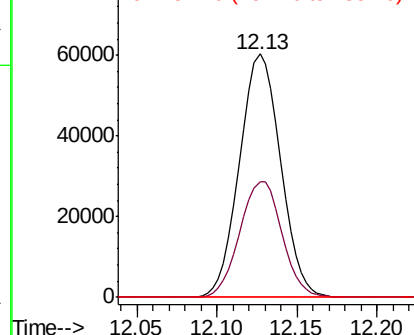
173 100

175 48.9 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: VN050178.D

Acq: 30 Jul 2018 11:26

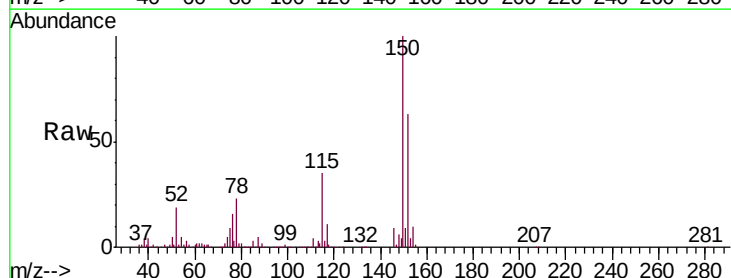
Tgt Ion:152 Resp: 426940

Ion Ratio Lower Upper

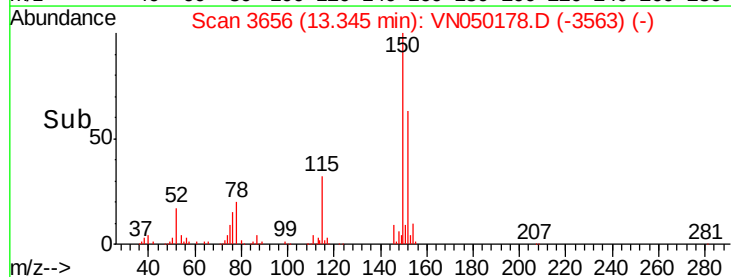
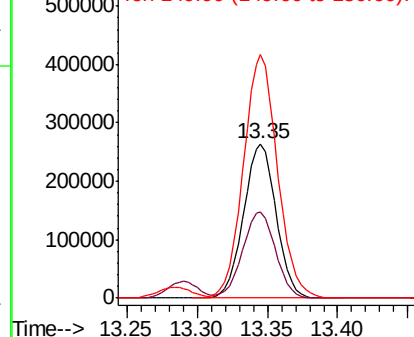
152 100

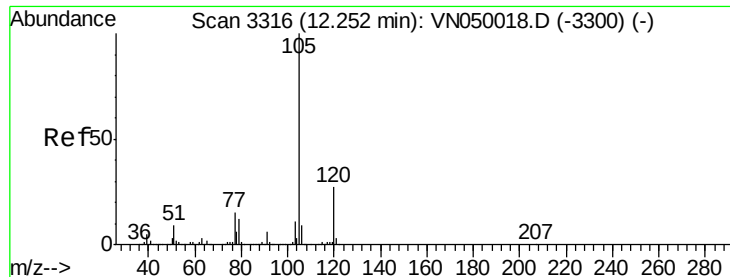
115 56.4 27.8 83.3

150 164.5 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: 20.97 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

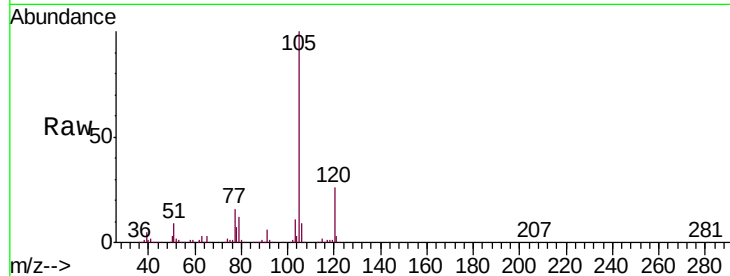
VN0730WBS01

Tot Ion:105 Resp: 694232

Ion Ratio Lower Upper

105 100

120 26.5 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

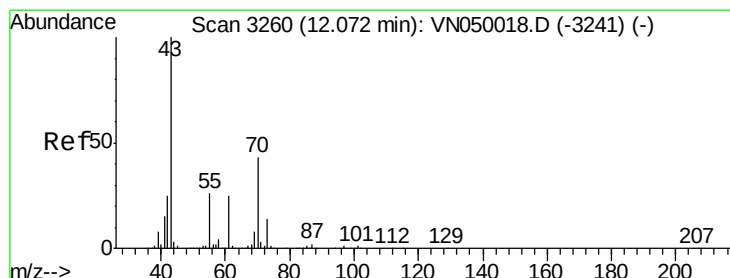
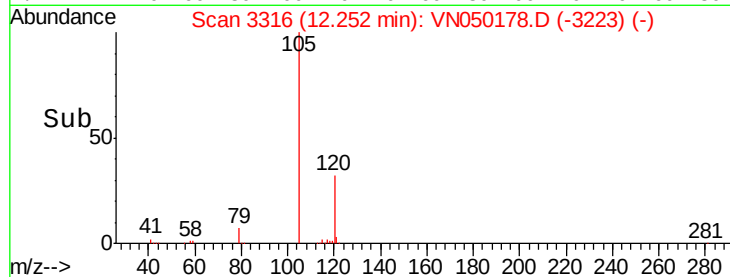
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 16.37 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Tgt Ion: 43 Resp: 165644

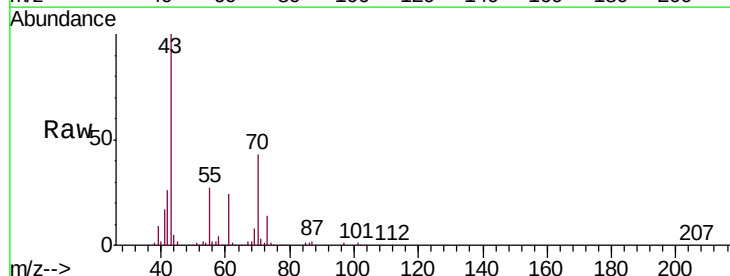
Ion Ratio Lower Upper

43 100

70 43.2 34.4 51.6

55 26.9 20.8 31.2

61 24.2 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

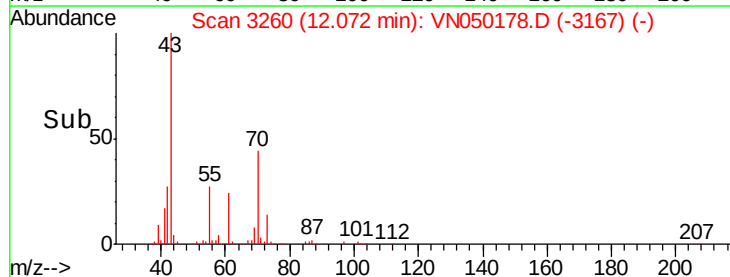
150000

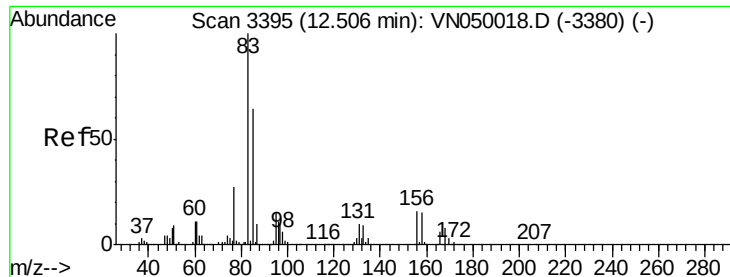
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.60 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampled :

VN0730WBS01

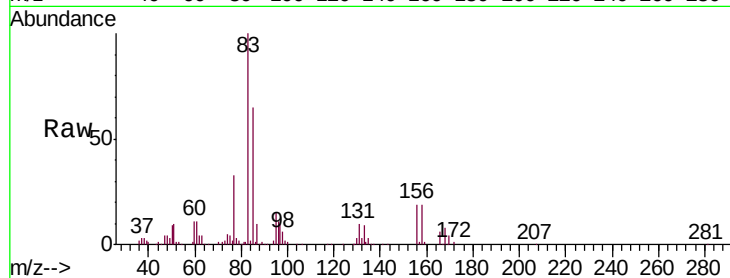
Tot Ion: 83 Resp: 174308

Ion Ratio Lower Upper

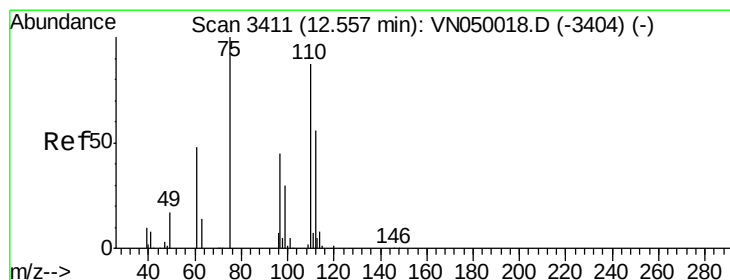
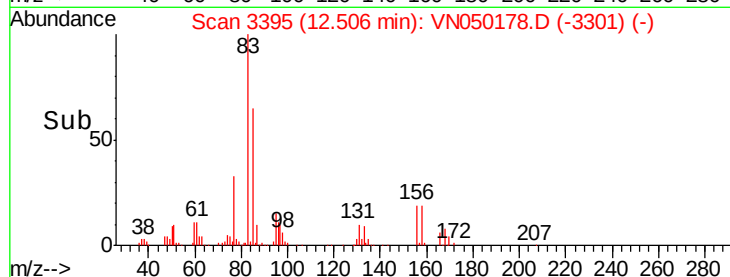
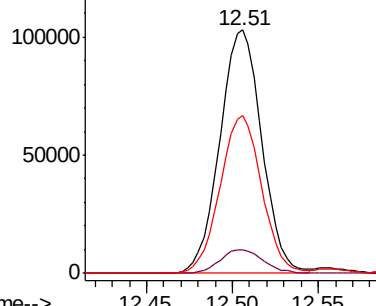
83 100

131 10.0 5.1 15.3

85 64.3 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 26.19 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050178.D

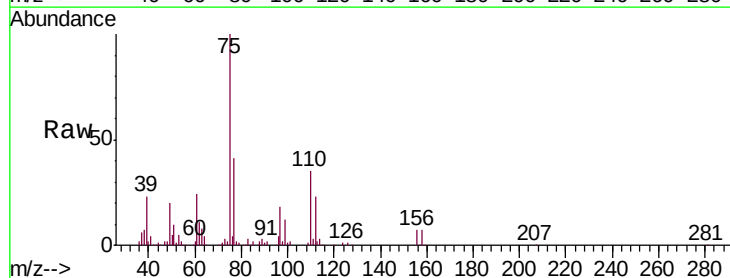
Acq: 30 Jul 2018 11:26

Tgt Ion: 75 Resp: 207776

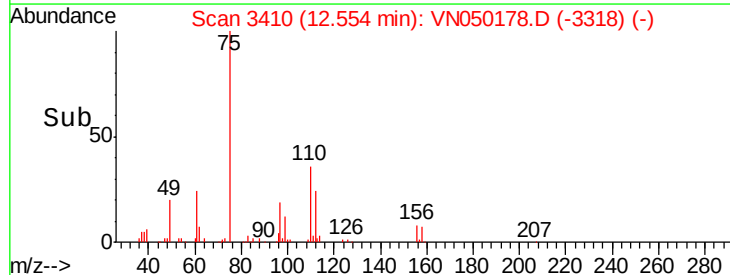
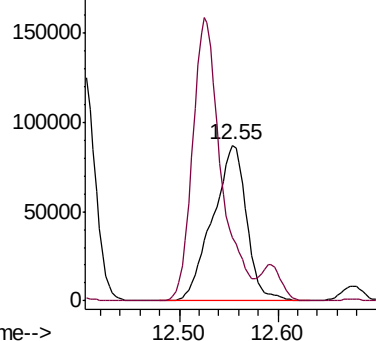
Ion Ratio Lower Upper

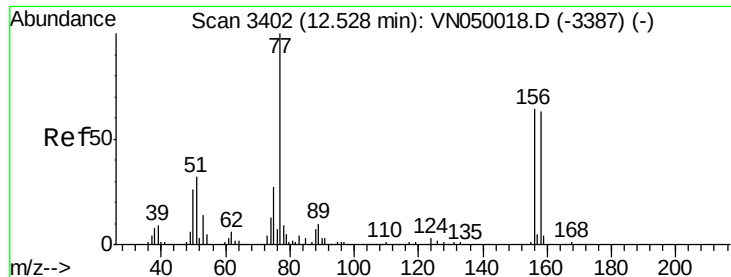
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 19.32 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

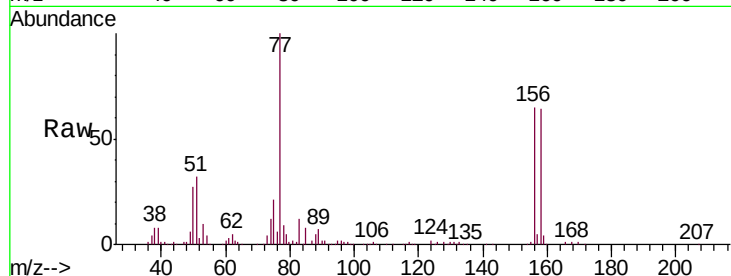
Tot Ion:156 Resp: 177267

Ion Ratio Lower Upper

156 100

77 182.4 91.7 275.1

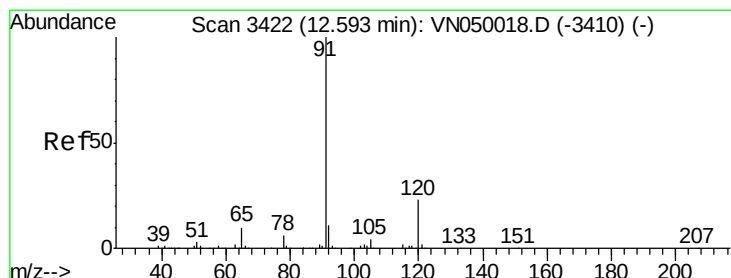
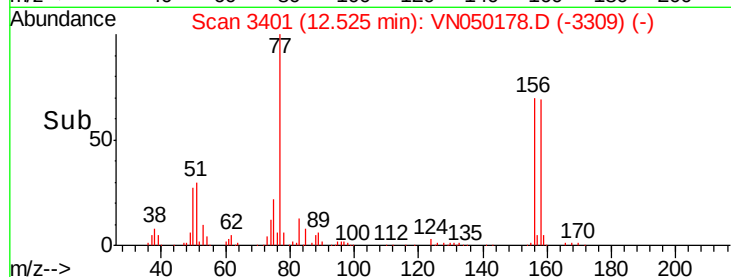
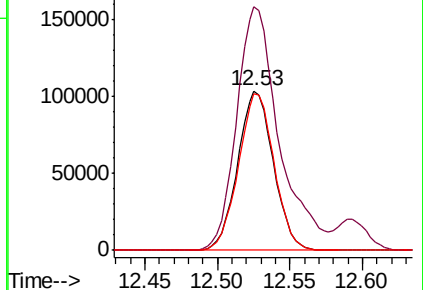
158 98.3 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.56 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050178.D

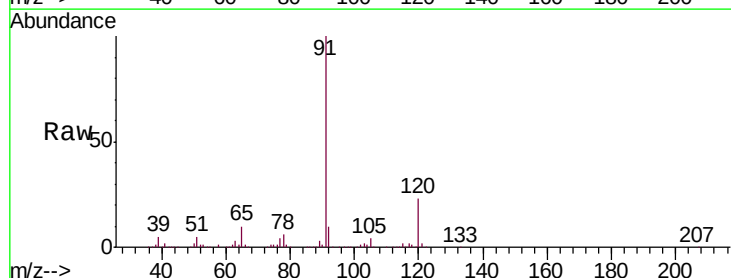
Acq: 30 Jul 2018 11:26

Tgt Ion: 91 Resp: 797910

Ion Ratio Lower Upper

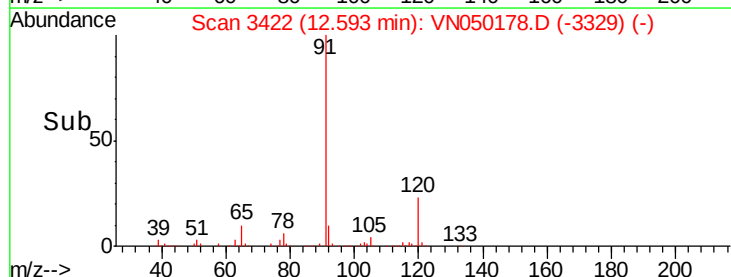
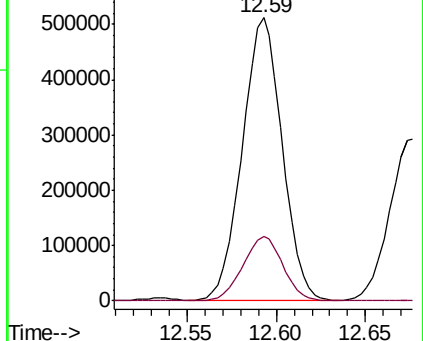
91 100

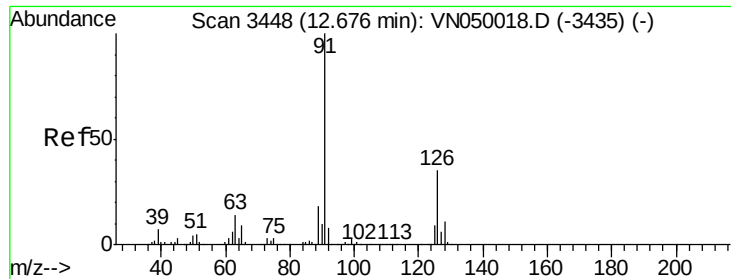
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.01 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampled :

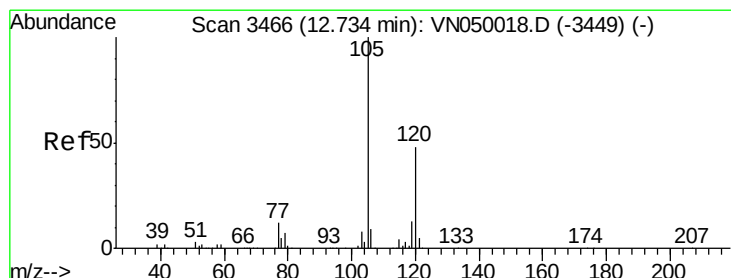
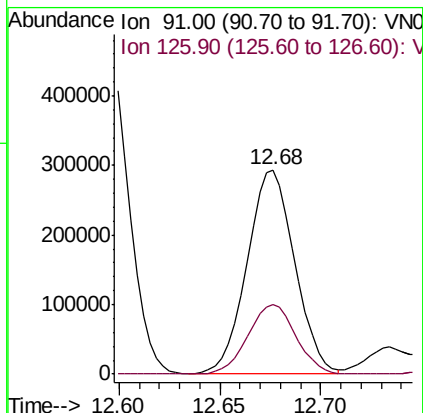
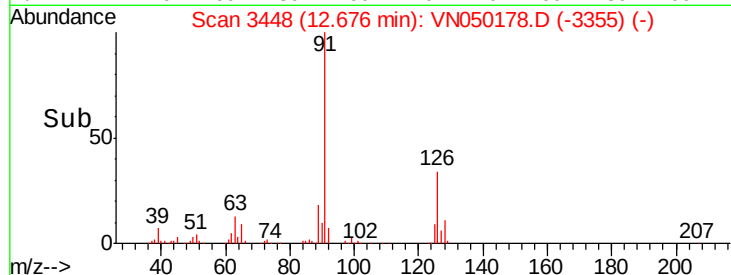
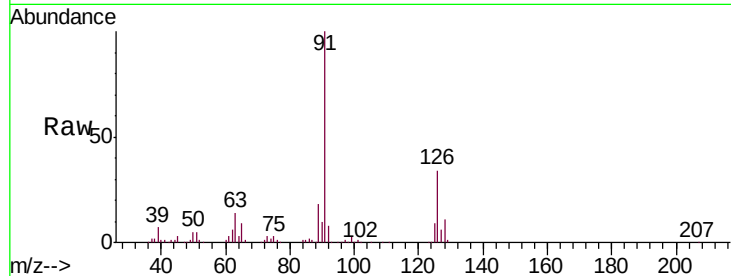
VN0730WBS01

Tot Ion: 91 Resp: 481912

Ion Ratio Lower Upper

91 100

126 34.6 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 22.08 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050178.D

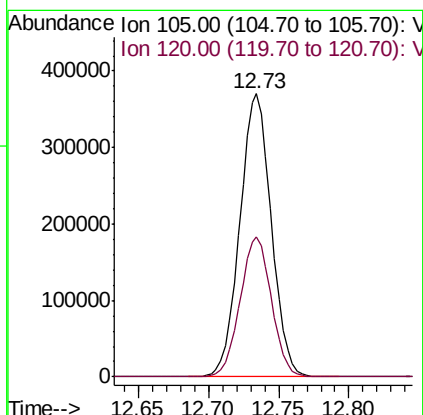
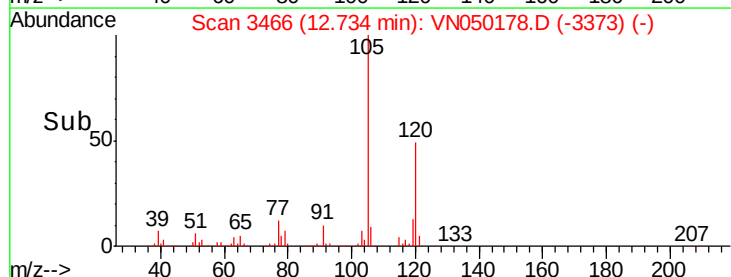
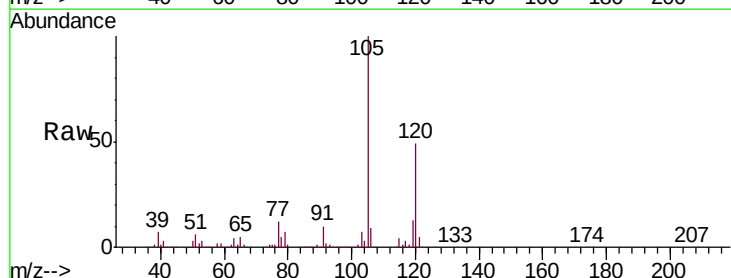
Acq: 30 Jul 2018 11:26

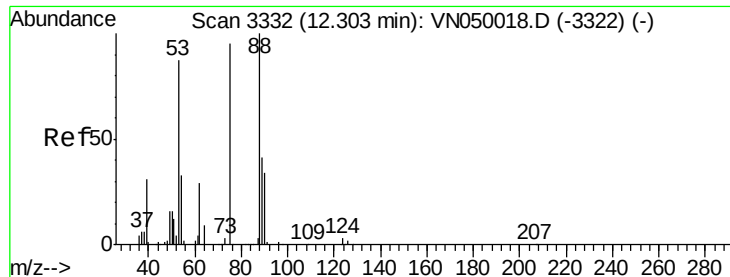
Tgt Ion: 105 Resp: 575078

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.11 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampled :

VN0730WBS01

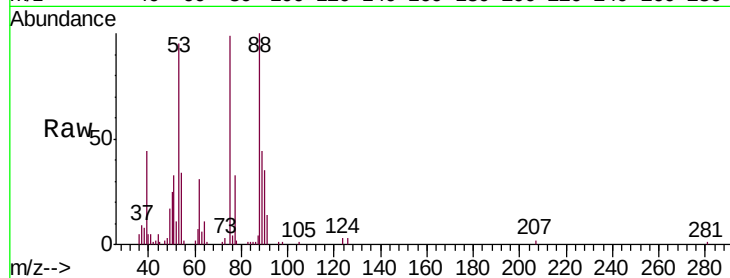
Tot Ion: 75 Resp: 42801

Ion Ratio Lower Upper

75 100

53 93.4 73.5 110.3

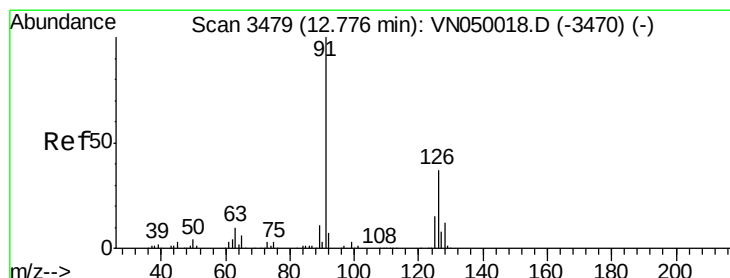
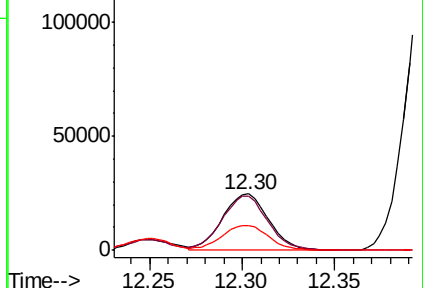
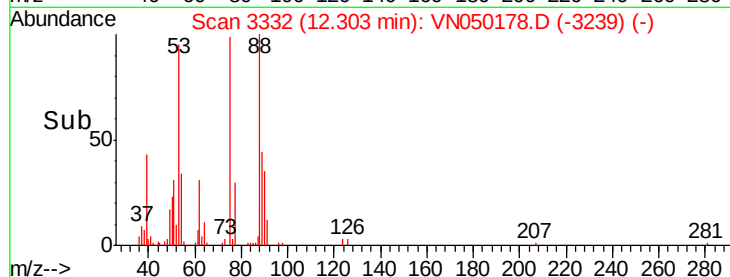
89 45.4 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 21.14 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050178.D

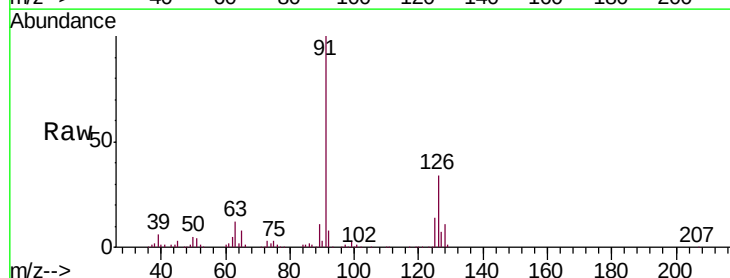
Acq: 30 Jul 2018 11:26

Tgt Ion: 91 Resp: 480159

Ion Ratio Lower Upper

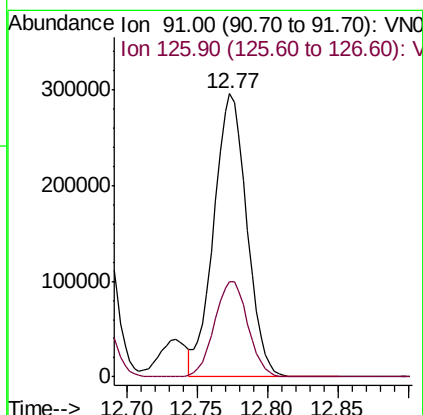
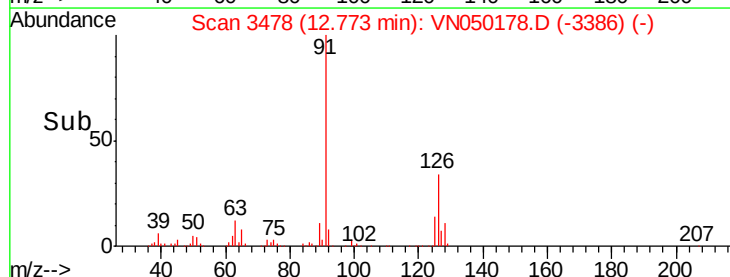
91 100

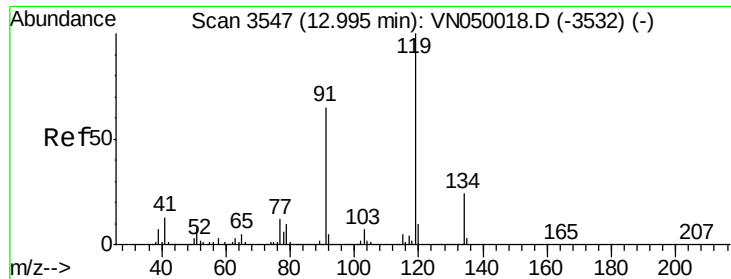
126 34.1 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO

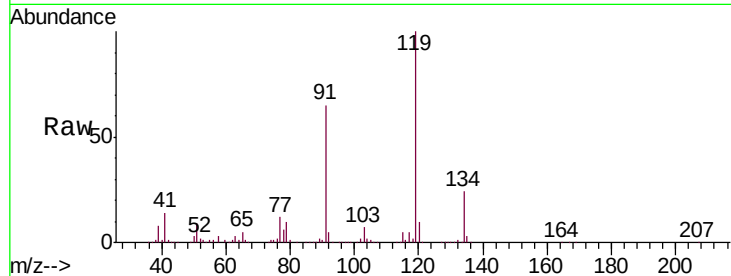




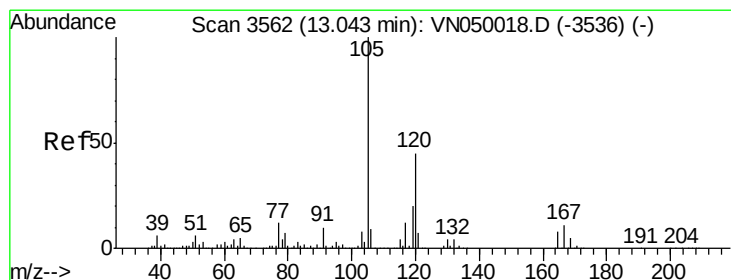
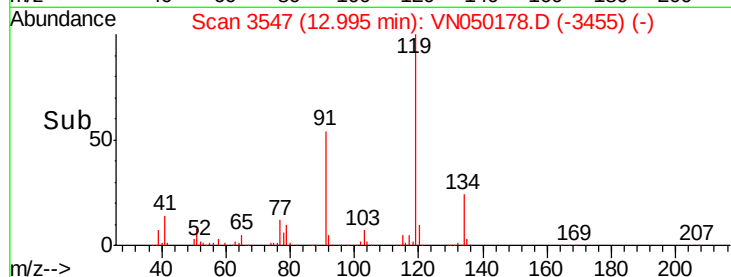
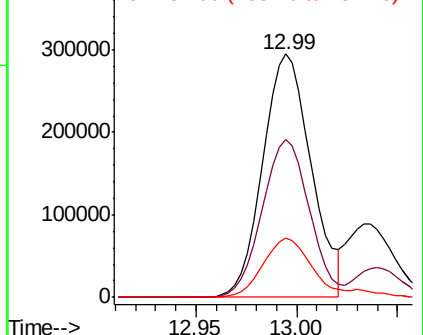
#83
 tert-Butylbenzene
 Concen: 21.67 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

Tot Ion:119 Resp: 492632
 Ion Ratio Lower Upper
 119 100
 91 63.4 32.1 96.3
 134 26.2 13.2 39.5

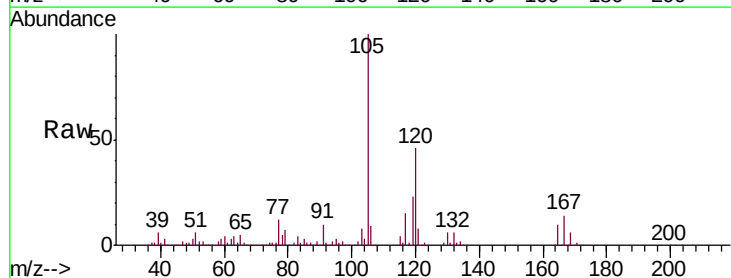


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

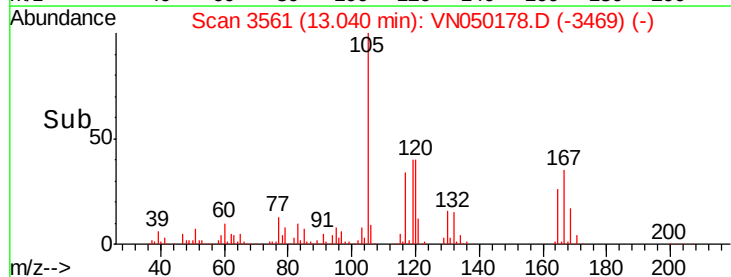
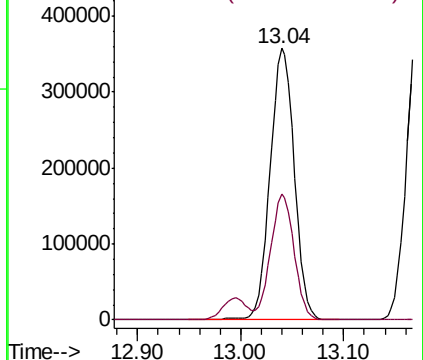


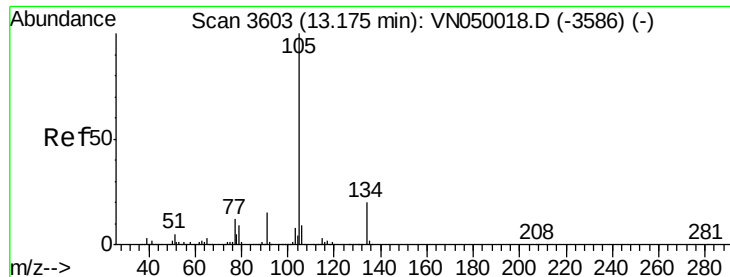
#84
 1,2,4-Trimethylbenzene
 Concen: 22.12 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion:105 Resp: 580787
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.9 68.7



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





#85

sec-Butylbenzene

Concen: 21.80 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

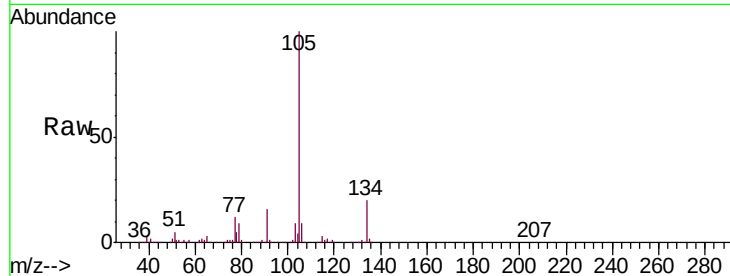
VN0730WBS01

Tot Ion:105 Resp: 662176

Ion Ratio Lower Upper

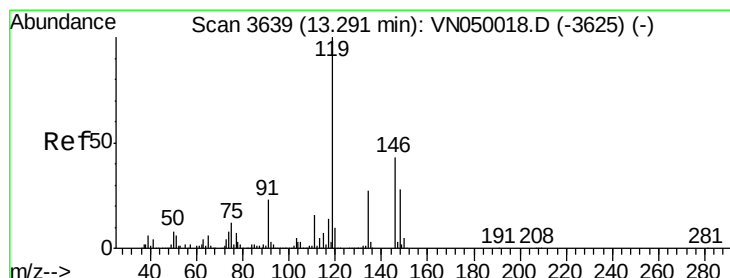
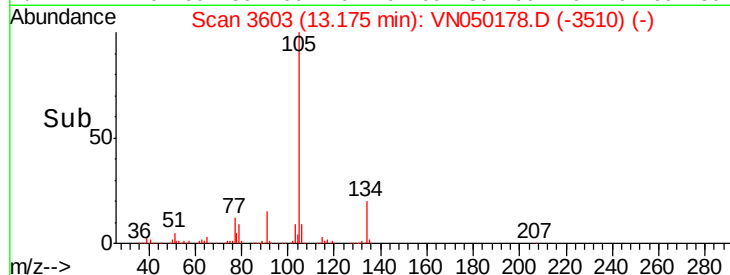
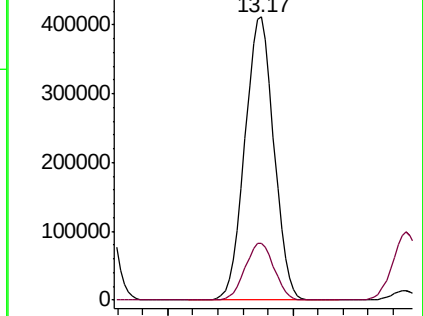
105 100

134 20.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.96 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

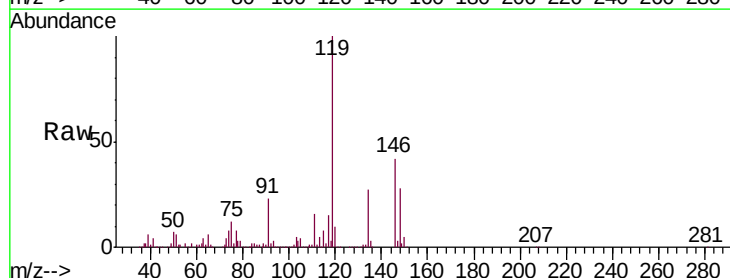
Tgt Ion:119 Resp: 561867

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

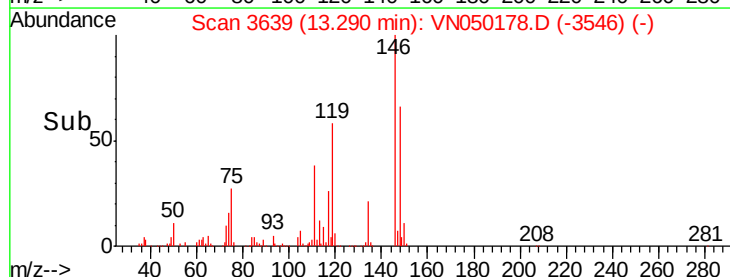
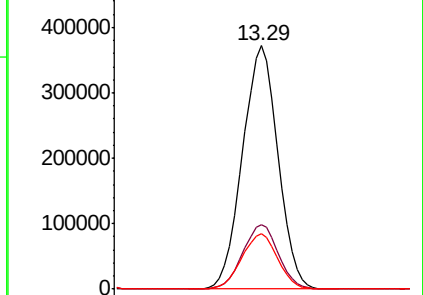
91 23.3 11.4 34.2

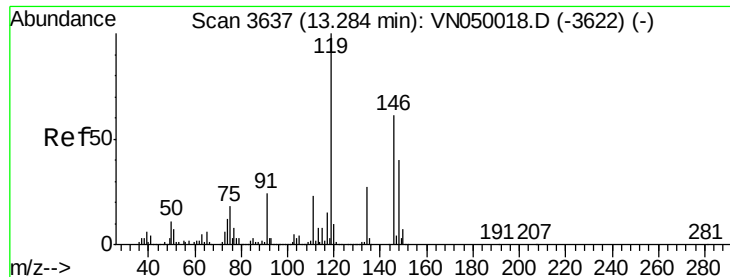


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

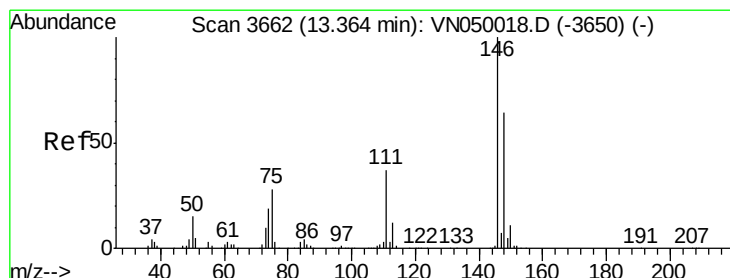
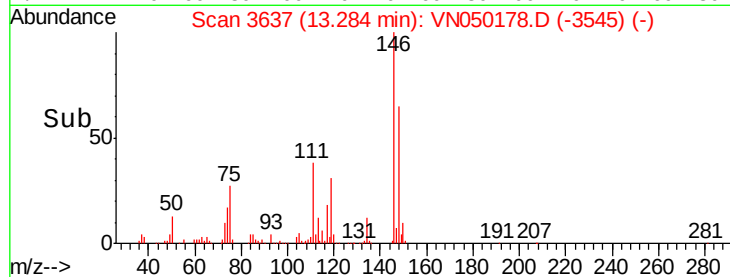
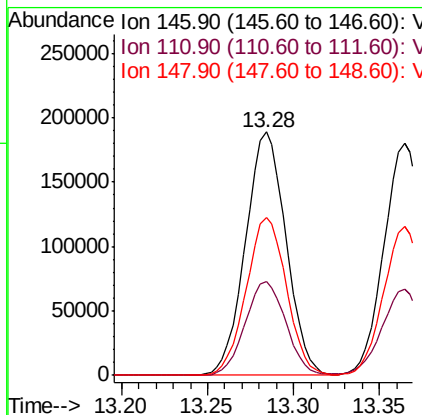
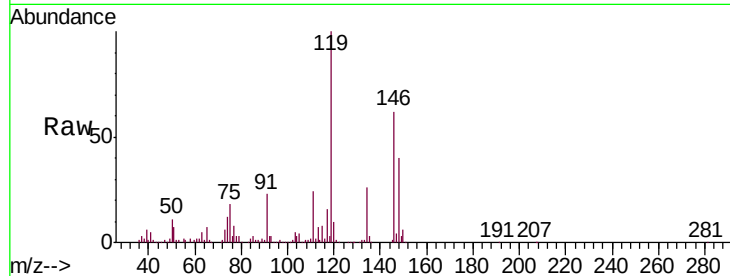




#87
 1,3-Dichlorobenzene
 Concen: 19.84 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

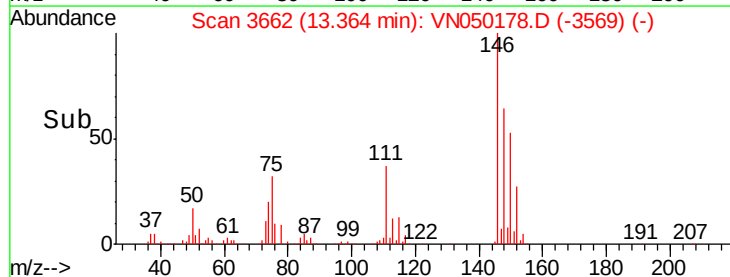
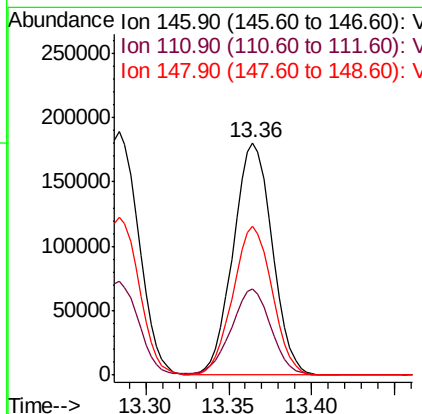
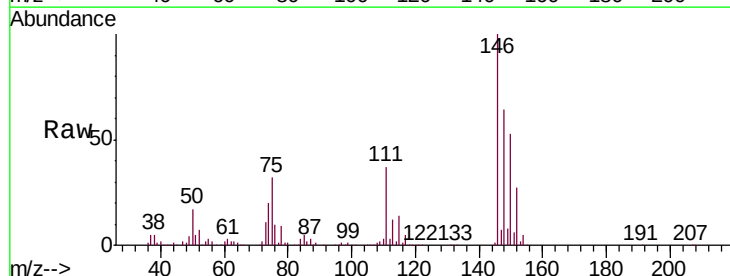
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

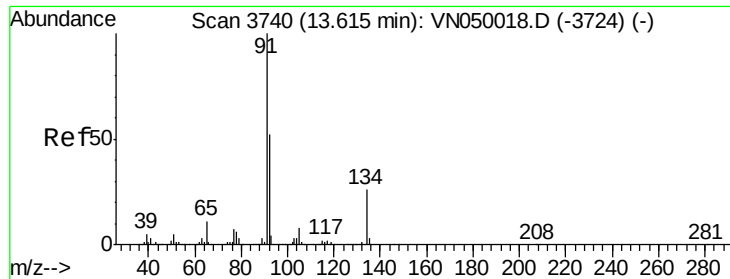
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.8	56.4
148	64.3	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.49 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.3	54.9
148	64.4	31.9	95.9

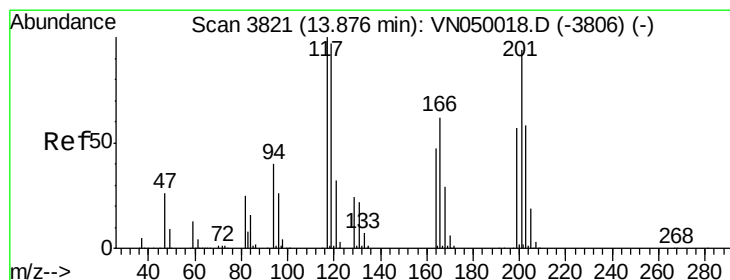
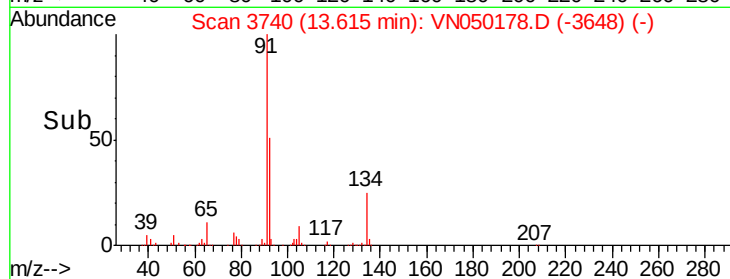
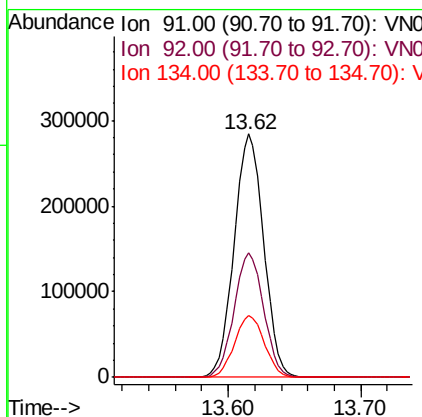
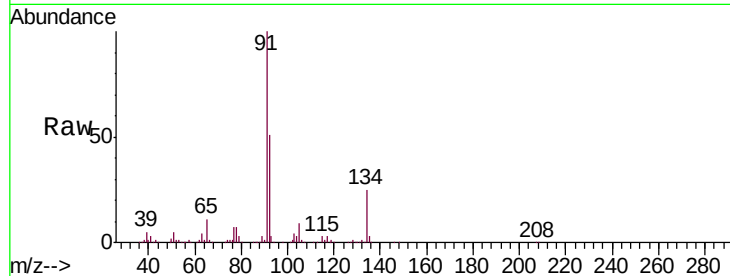




#89
n-Butylbenzene
Concen: 20.89 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

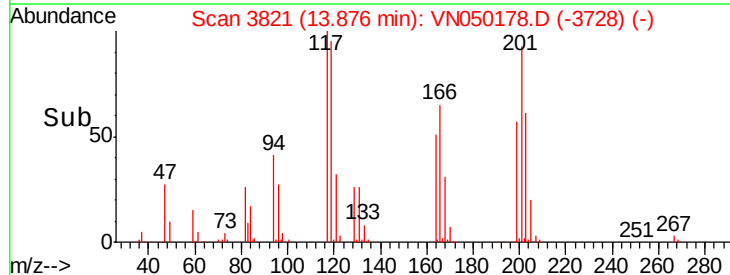
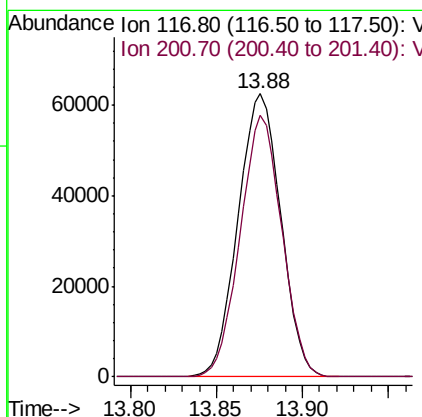
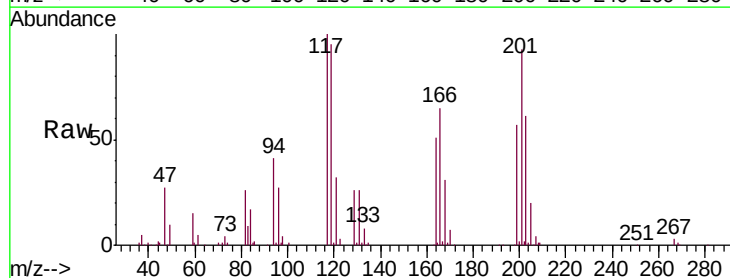
Instrument :
MSVOA_N
ClientSampled :
VN0730WBS01

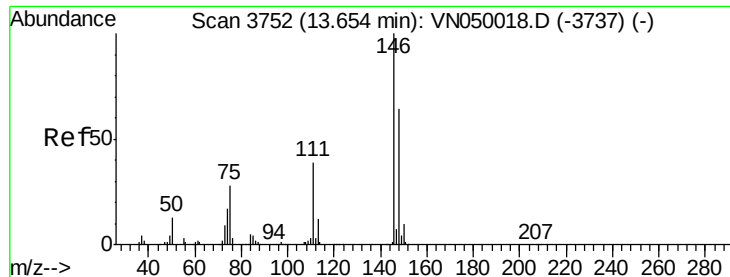
Tot Ion: 91 Resp: 439550
Ion Ratio Lower Upper
91 100
92 51.0 25.8 77.4
134 25.6 12.8 38.4



#90
Hexachloroethane
Concen: 19.00 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion: 117 Resp: 107968
Ion Ratio Lower Upper
117 100
201 89.6 45.6 136.8

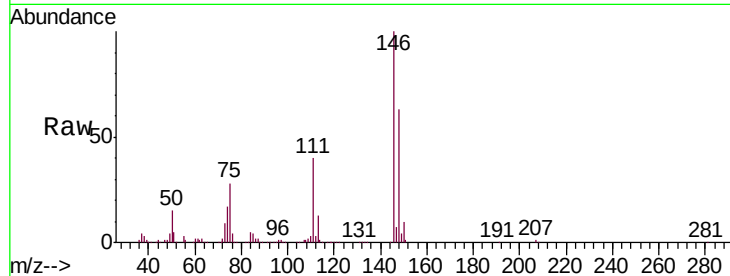




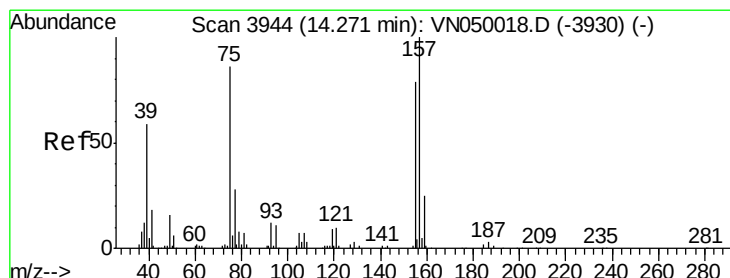
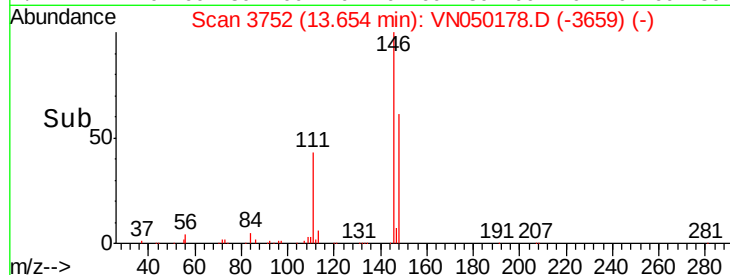
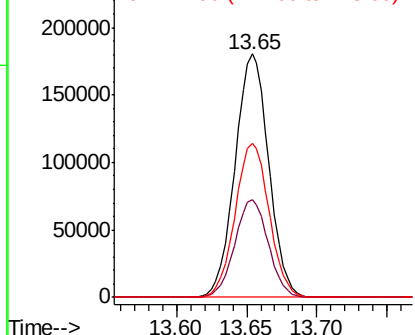
#91
 1,2-Dichlorobenzene
 Concen: 19.41 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.7
148	63.9	32.1	96.3

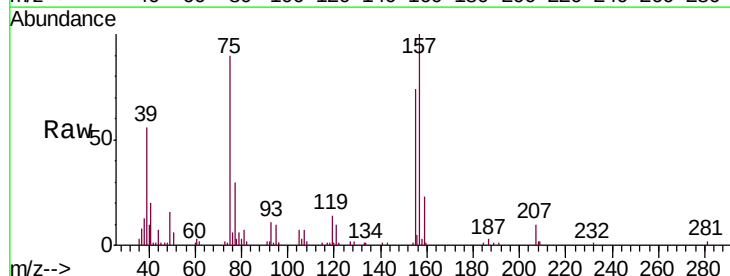


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

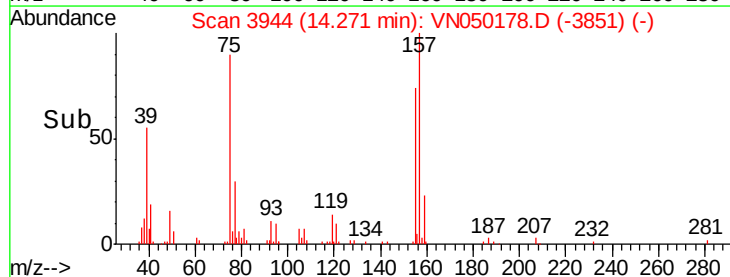
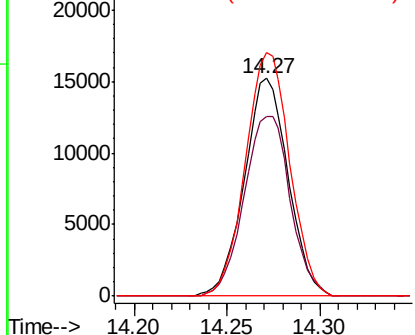


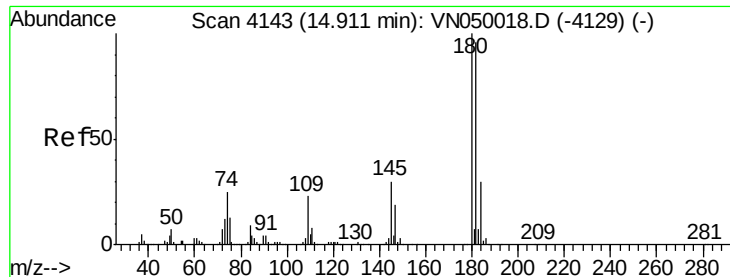
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.48 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	44.8	134.4
157	113.1	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

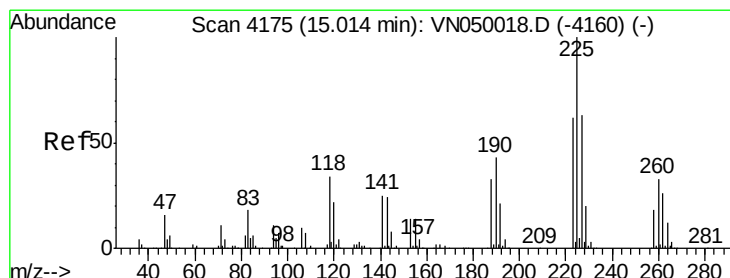
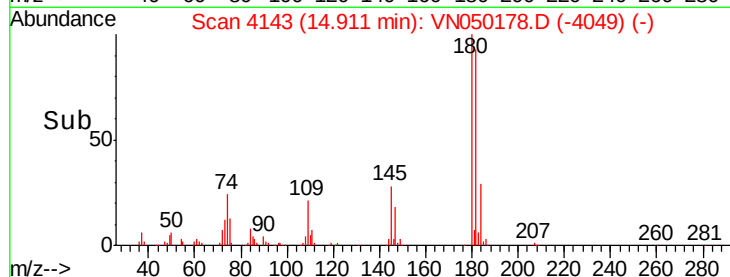
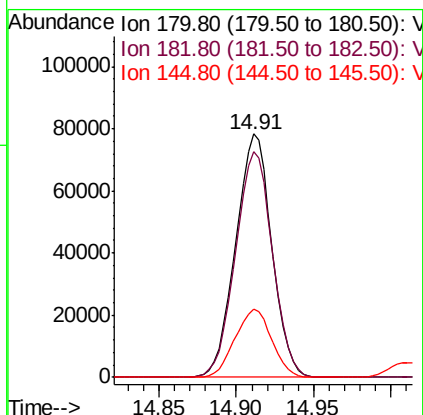
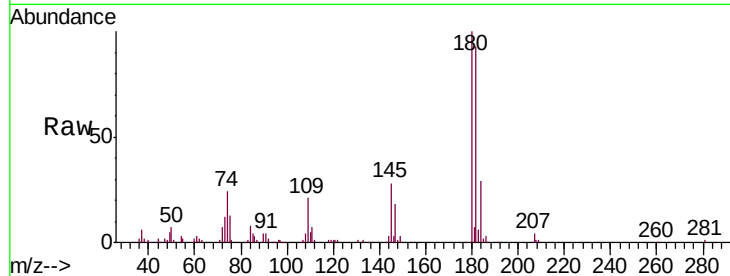




#93
 1,2,4-Trichlorobenzene
 Concen: 17.50 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

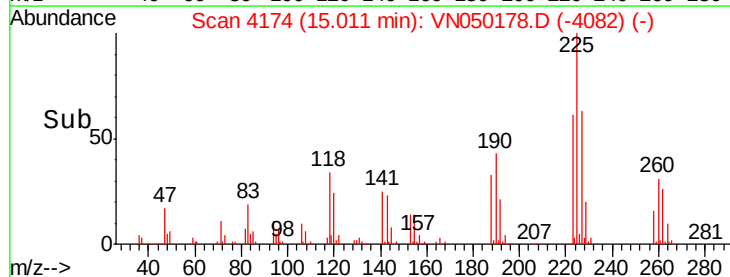
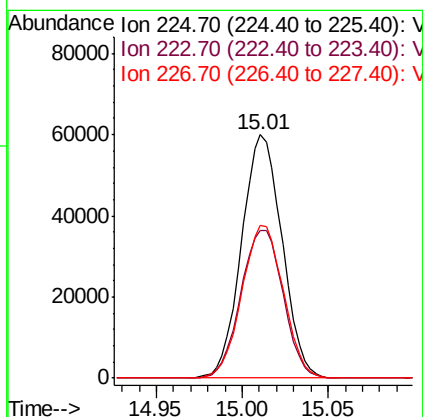
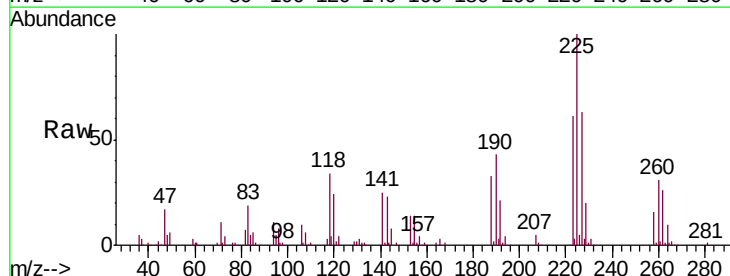
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

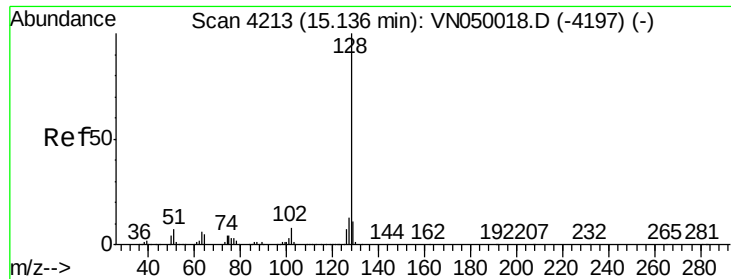
Tot Ion:180 Resp: 126701
 Ion Ratio Lower Upper
 180 100
 182 94.8 46.7 140.1
 145 28.4 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 20.54 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion:225 Resp: 97811
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.4 94.2
 227 64.4 32.1 96.5

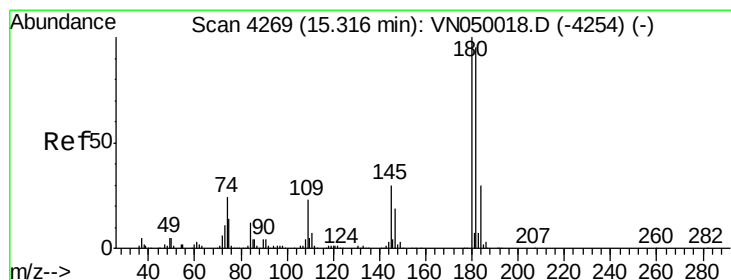
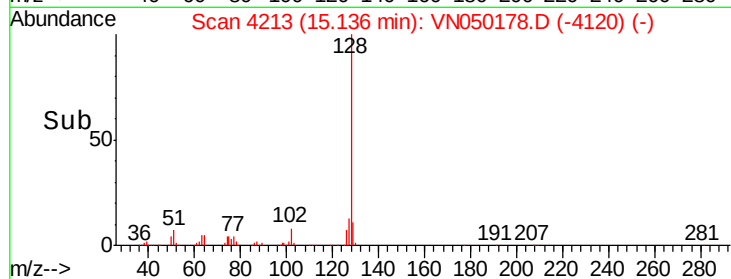
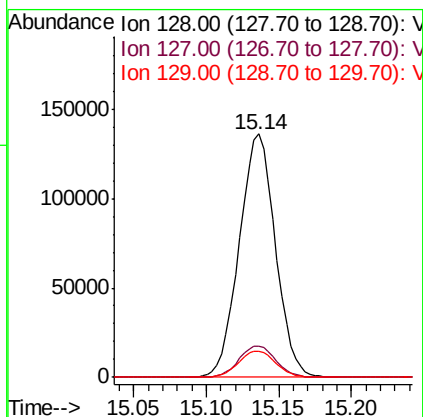
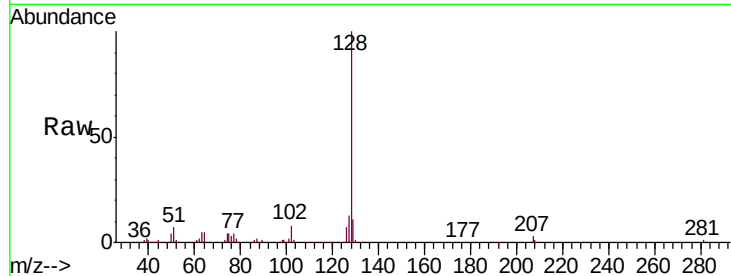




#95
Naphthalene
Concen: 15.44 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.1	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 17.65 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.1	144.4
145	29.9	15.3	45.9

