

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050477.D
 Acq On : 9 Aug 2018 11:44
 Operator : MD\SY
 Sample : VN0809WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 04:00:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	878808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1355638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1184410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	448163	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	552487	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	
35) Dibromofluoromethane	7.59	113	509642	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
50) Toluene-d8	10.09	98	1880503	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	
62) 4-Bromofluorobenzene	12.40	95	550956	39.53	ug/l	0.00
Spiked Amount			Recovery	=	79.06%	

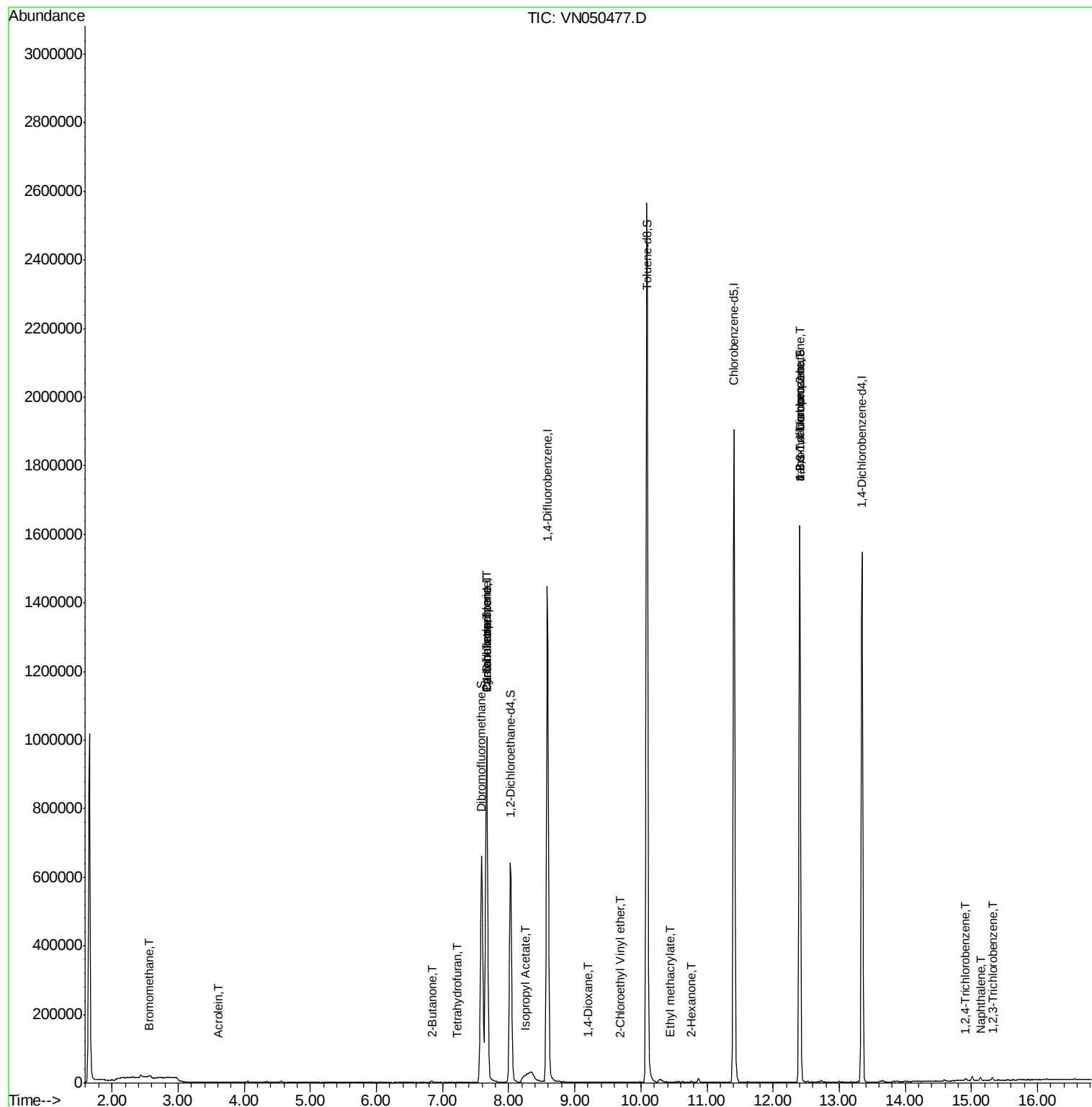
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2965	Below Cal		92
5) Bromomethane	2.57	94	3843	0.79 ug/l		83
13) Acrolein	3.62	56	417	15.35 ug/l #		24
20) Methylene Chloride	4.56	84	2245	Below Cal		96
25) 2-Butanone	6.85	43	1332	0.23 ug/l #		48
29) Tetrahydrofuran	7.22	42	1078	0.35 ug/l #		70
31) Cyclohexane	7.66	56	15173	0.28 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	59583	4.00 ug/l #		48
38) Carbon Tetrachloride	7.66	117	79093	5.09 ug/l #		16
43) Isopropyl Acetate	8.24	43	20262	1.09 ug/l #		61
49) 1,4-Dioxane	9.21	88	59	0.41 ug/l #		63
56) Ethyl methacrylate	10.44	69	94	1.72 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.70	63	29	7.40 ug/l #		48
59) 2-Hexanone	10.76	43	3035	0.33 ug/l		66
76) 1,2,3-Trichloropropane	12.40	75	261098	32.19 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	261098	113.09 ug/l #		13
93) 1,2,4-Trichlorobenzene	14.91	180	2298	0.28 ug/l		96
94) Hexachlorobutadiene	15.01	225	2916	Below Cal		90
95) Naphthalene	15.14	128	8444	3.98 ug/l #		76
96) 1,2,3-Trichlorobenzene	15.31	180	3459	0.42 ug/l		90

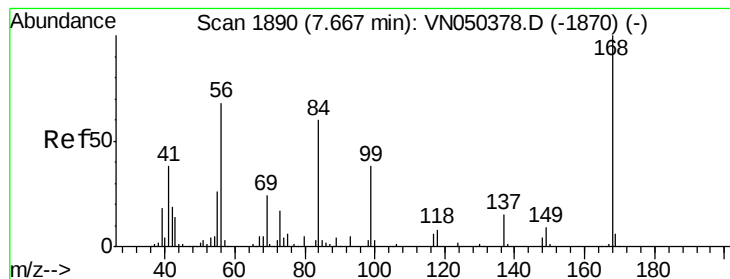
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050477.D

Acq: 9 Aug 2018 11:44

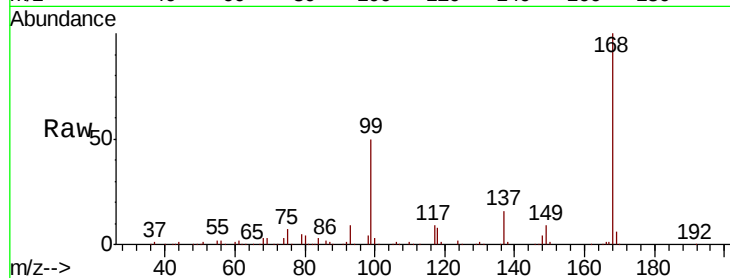
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 878808

Ion Ratio Lower Upper

168 100

99 49.6 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

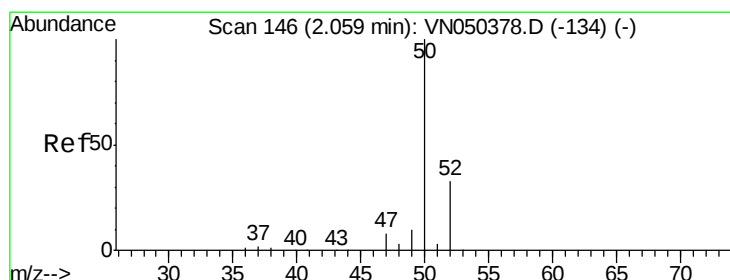
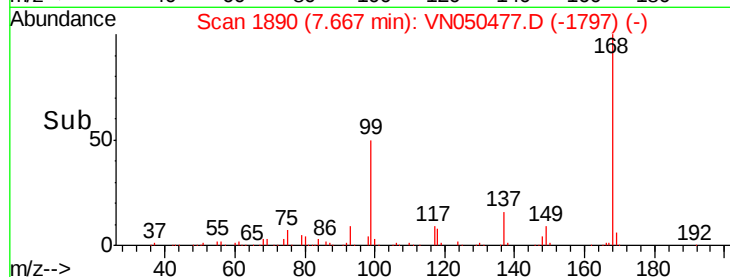
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050477.D

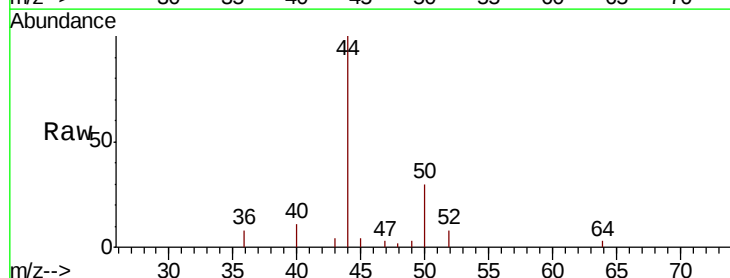
Acq: 9 Aug 2018 11:44

Tgt Ion: 50 Resp: 2965

Ion Ratio Lower Upper

50 100

52 27.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2500

2000

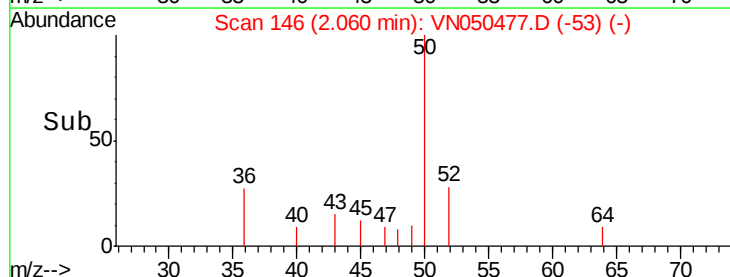
1500

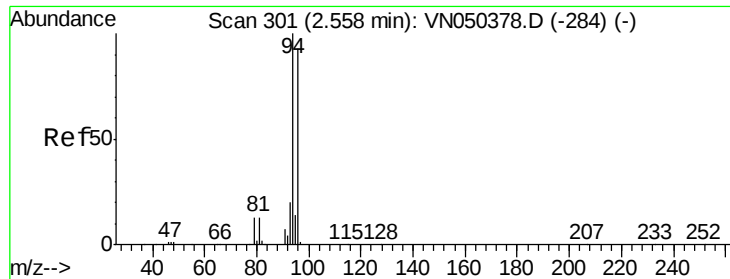
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.79 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050477.D

Acq: 9 Aug 2018 11:44

Instrument :

MSVOA_N

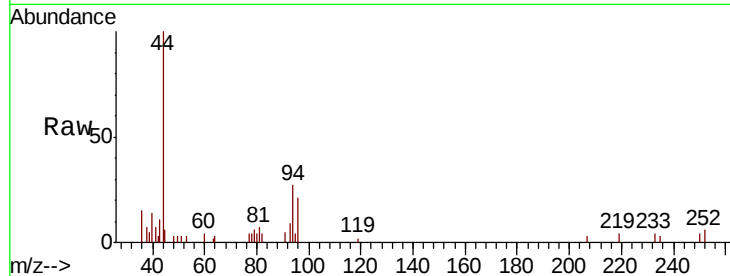
ClientSampled :

Tot Ion: 94 Resp: 3843

Ion Ratio Lower Upper

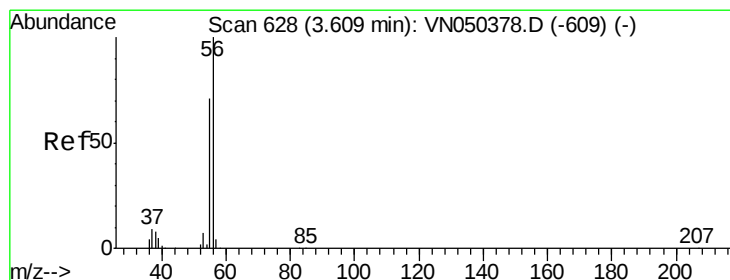
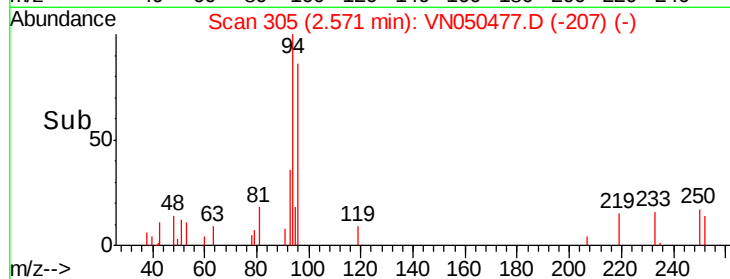
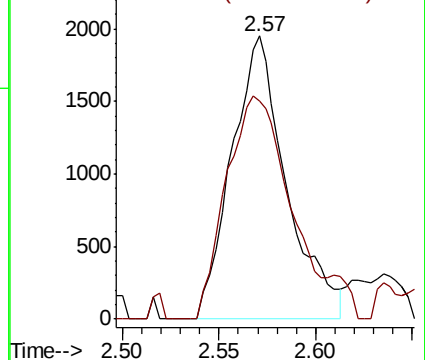
94 100

96 77.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#13

Acrolein

Concen: 15.35 ug/l

RT: 3.62 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN050477.D

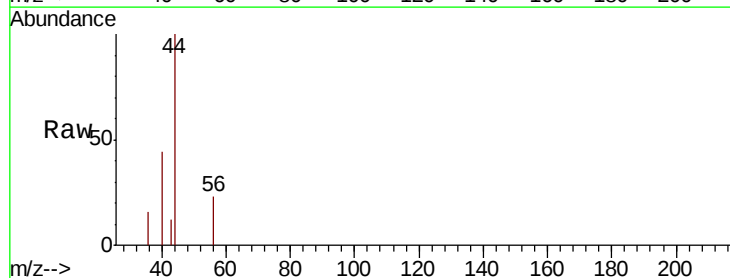
Acq: 9 Aug 2018 11:44

Tgt Ion: 56 Resp: 417

Ion Ratio Lower Upper

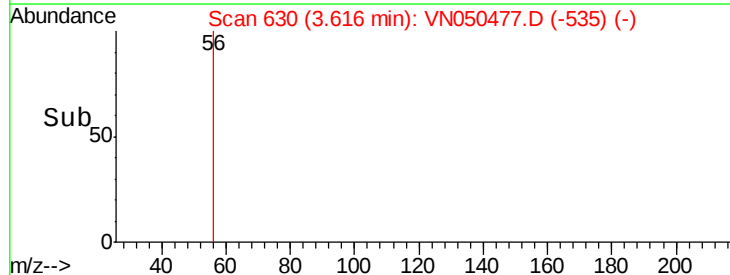
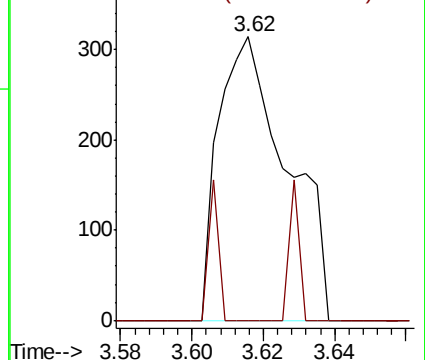
56 100

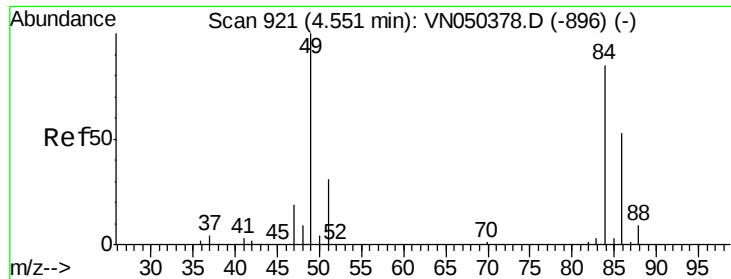
55 7.2 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

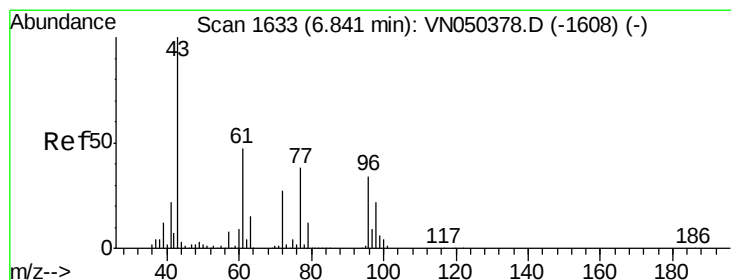
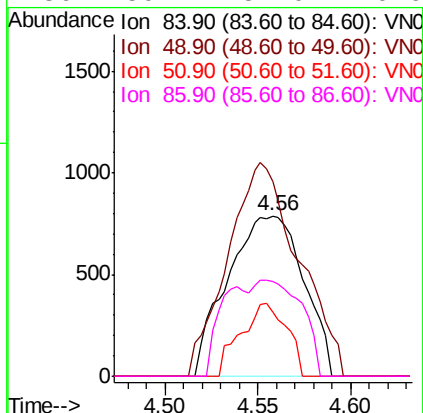
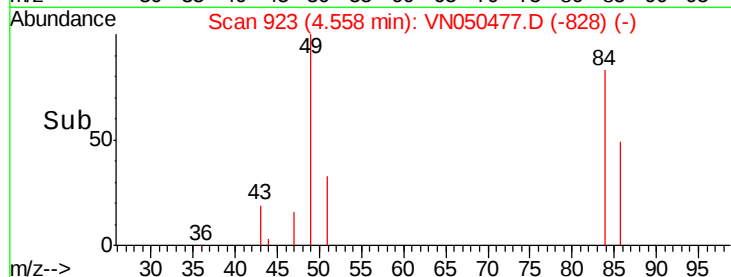
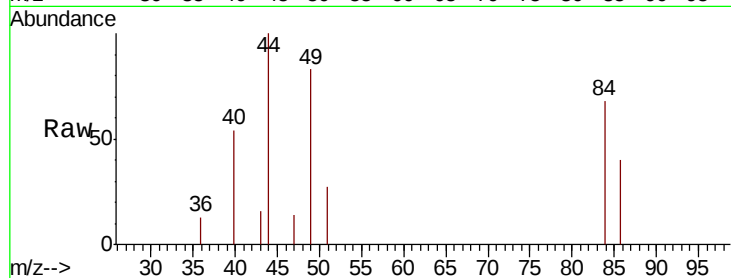




#20
Methylene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050477.D
Acq: 9 Aug 2018 11:44

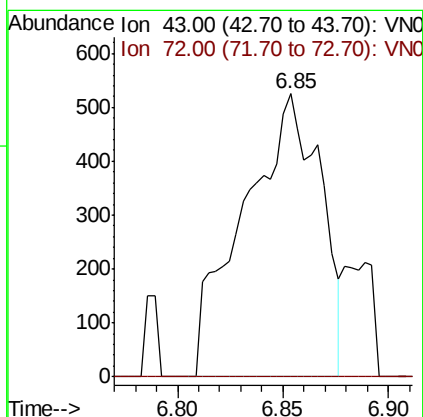
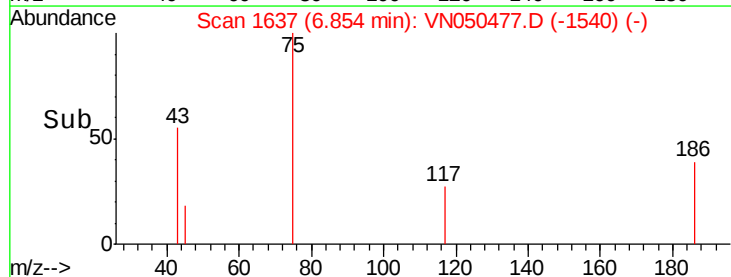
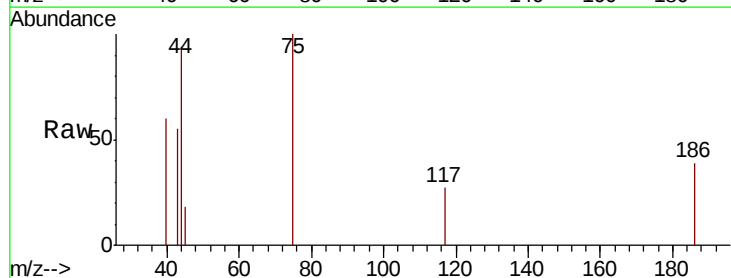
Instrument :
MSVOA_N
ClientSampleId :

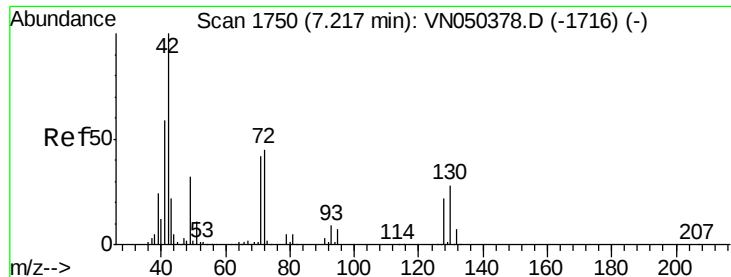
Tot Ion: 84 Resp: 2245
Ion Ratio Lower Upper
84 100
49 121.2 94.8 142.2
51 40.1 28.3 42.5
86 59.1 51.0 76.6



#25
2-Butanone
Concen: 0.23 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN050477.D
Acq: 9 Aug 2018 11:44

Tgt Ion: 43 Resp: 1332
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#





#29

Tetrahydrofuran

Concen: 0.35 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050477.D

Acq: 9 Aug 2018 11:44

Instrument :

MSVOA_N

ClientSampleId :

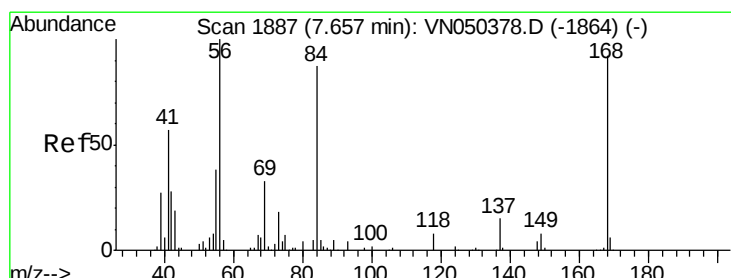
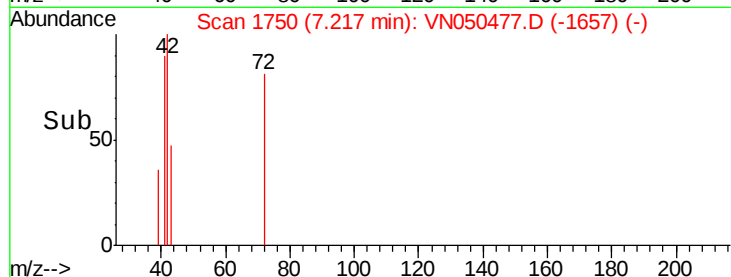
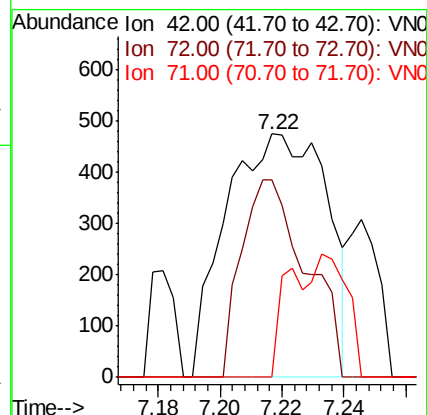
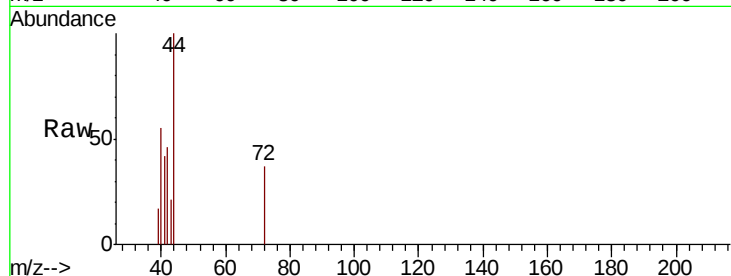
Tot Ion: 42 Resp: 1078

Ion Ratio Lower Upper

42 100

72 51.9 35.9 53.9

71 10.4 33.7 50.5#



#31

Cyclohexane

Concen: 0.28 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050477.D

Acq: 9 Aug 2018 11:44

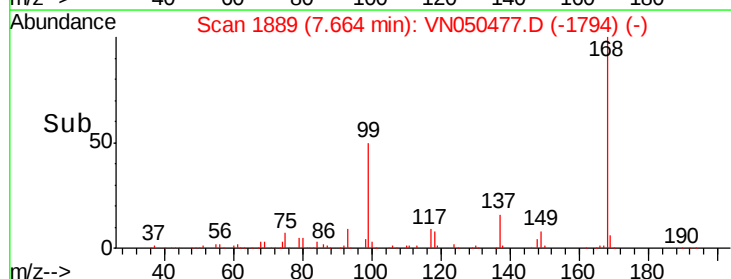
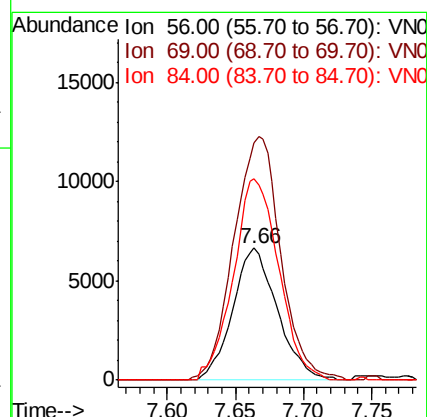
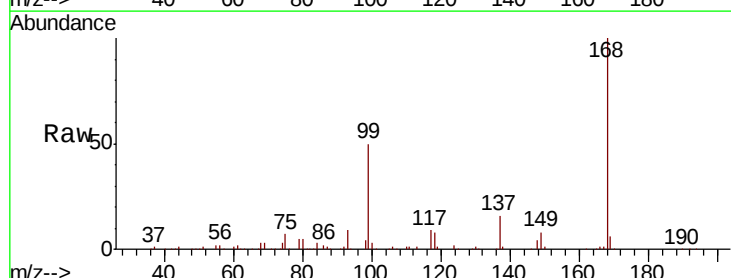
Tgt Ion: 56 Resp: 15173

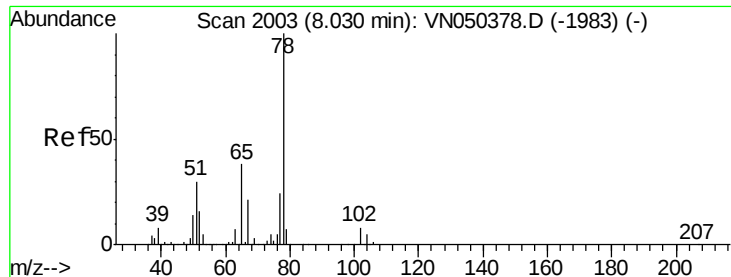
Ion Ratio Lower Upper

56 100

69 176.8 26.2 39.4#

84 152.4 67.4 101.0#

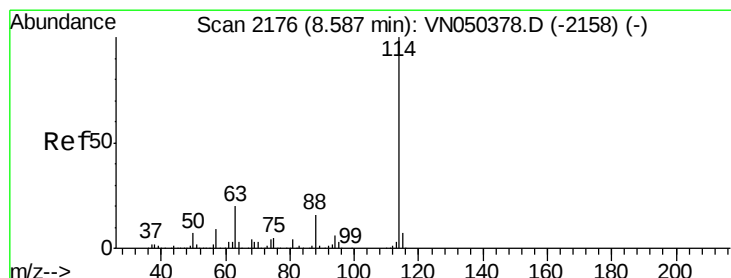
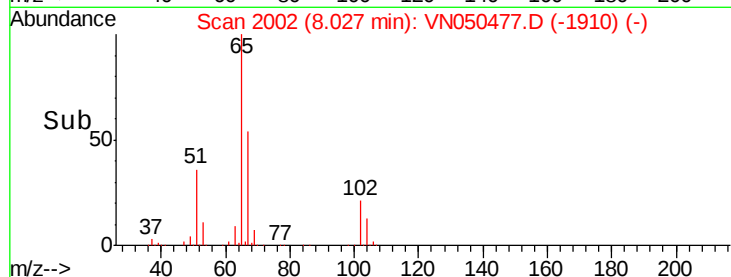
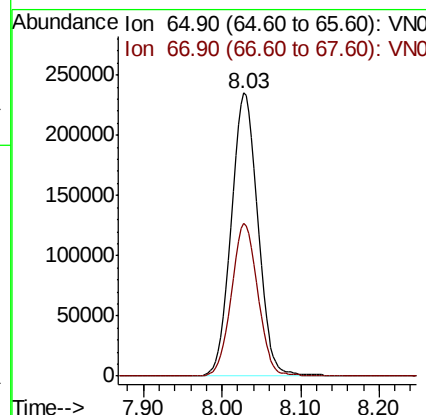
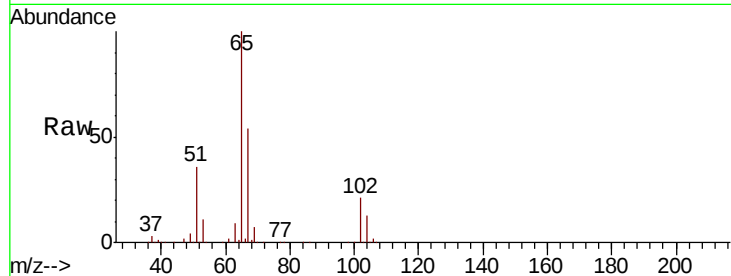




#33
 1,2-Dichloroethane-d4
 Concen: 47.05 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050477.D
 Acq: 9 Aug 2018 11:44

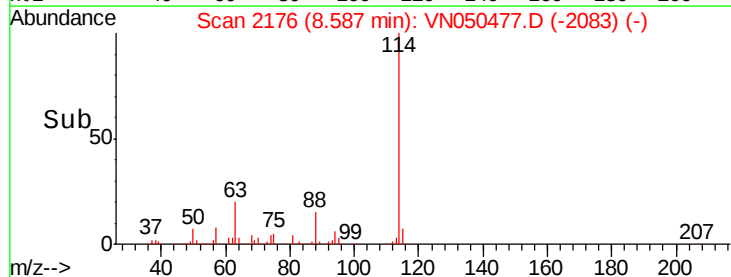
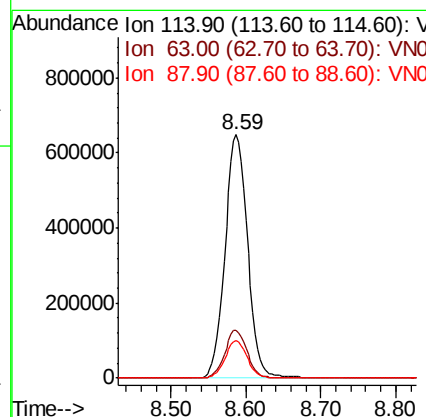
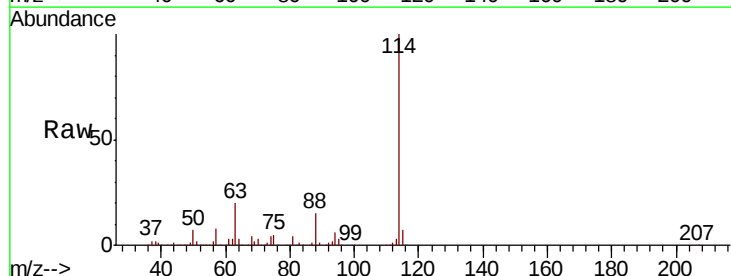
Instrument :
 MSVOA_N
 ClientSampled :

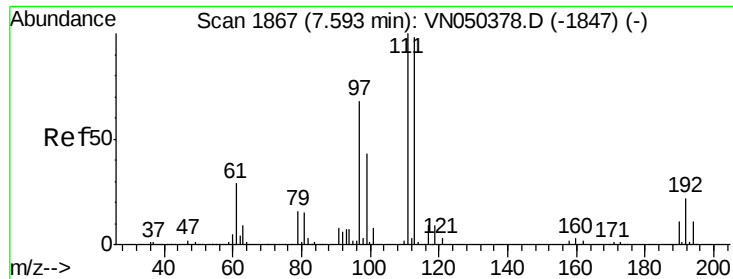
Tot Ion: 65 Resp: 552487
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050477.D
 Acq: 9 Aug 2018 11:44

Tgt Ion: 114 Resp: 1355638
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.2 0.0 31.2

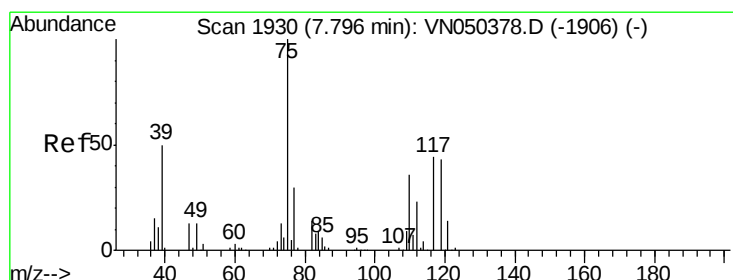
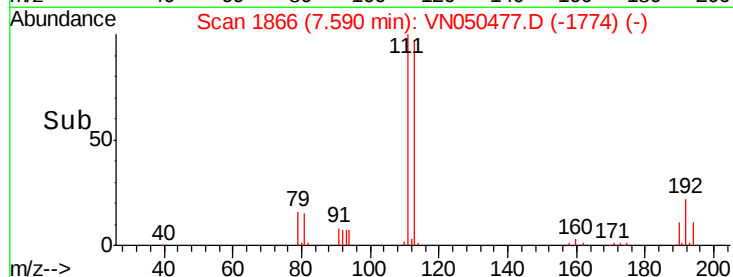
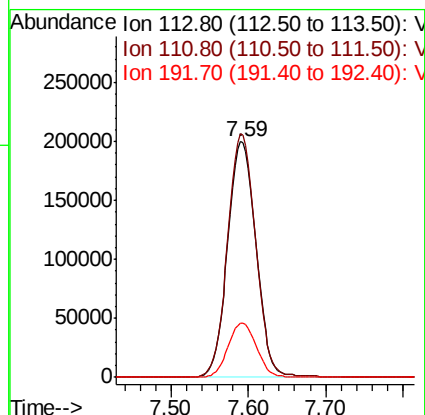
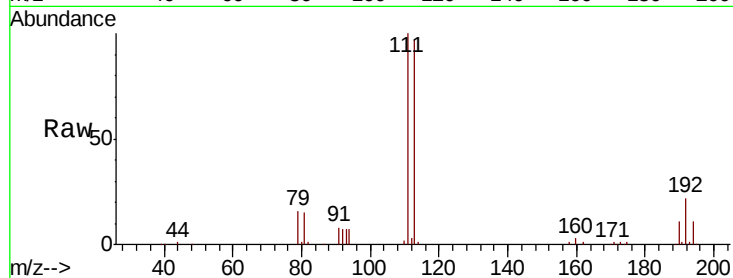




#35
 Dibromofluoromethane
 Concen: 46.85 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050477.D
 Acq: 9 Aug 2018 11:44

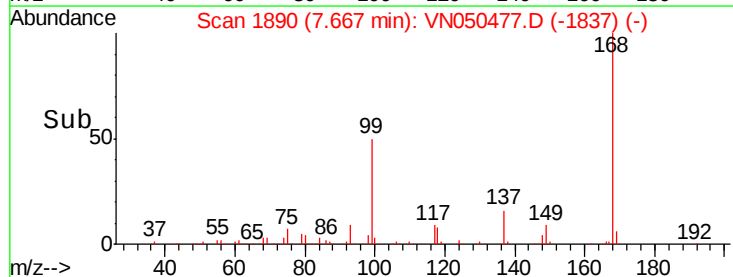
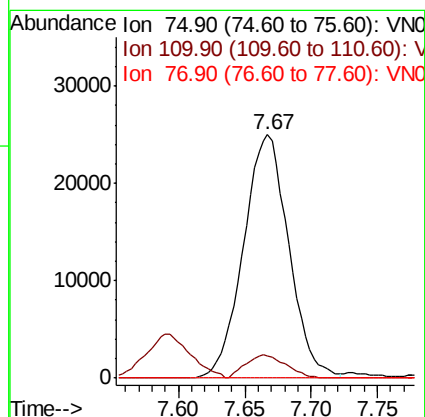
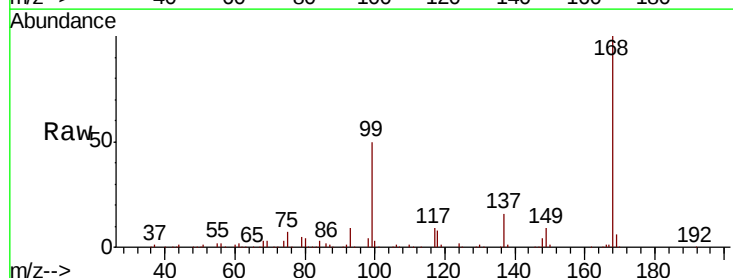
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 ClientSampleId :

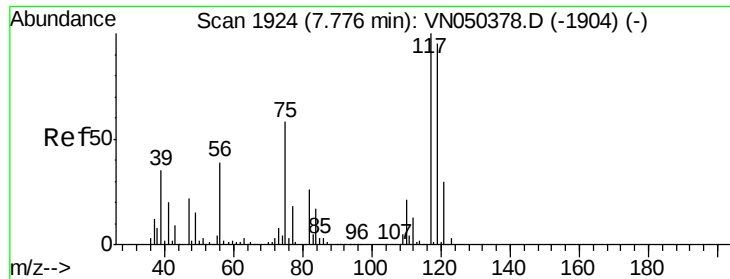
Tot Ion:113 Resp: 509642
 Ion Ratio Lower Upper
 113 100
 111 102.5 80.7 121.1
 192 22.9 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 4.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050477.D
 Acq: 9 Aug 2018 11:44

Tgt Ion: 75 Resp: 59583
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.4 55.2#
 77 0.0 25.3 37.9#

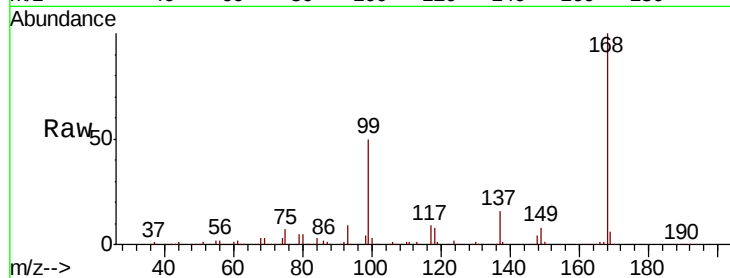




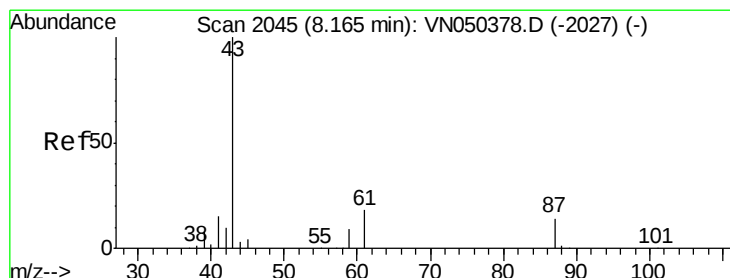
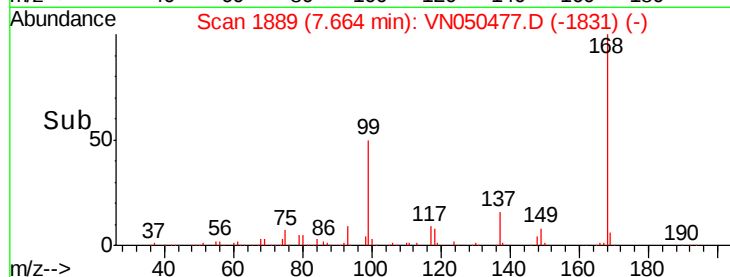
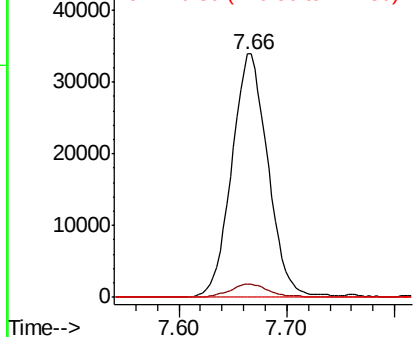
#38
Carbon Tetrachloride
Concen: 5.09 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. -0.11 min
Lab File: VN050477.D
Acq: 9 Aug 2018 11:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 79093
Ion Ratio Lower Upper
117 100
119 5.7 77.4 116.0#
121 0.0 23.9 35.9#

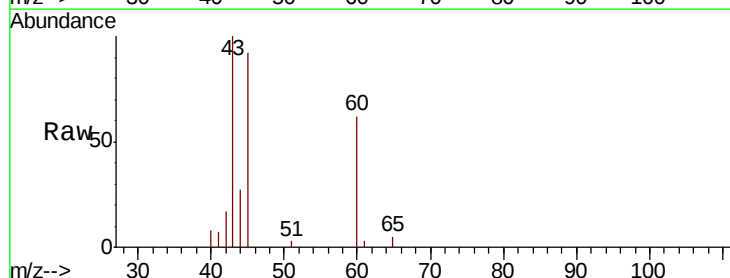


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

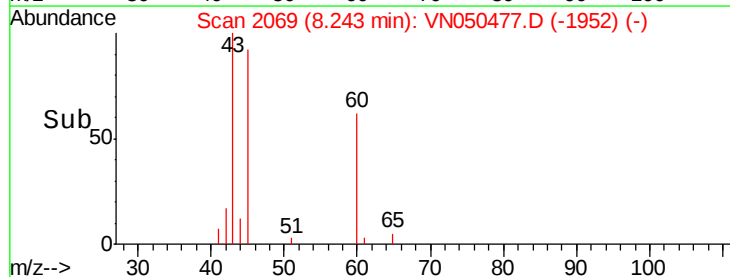
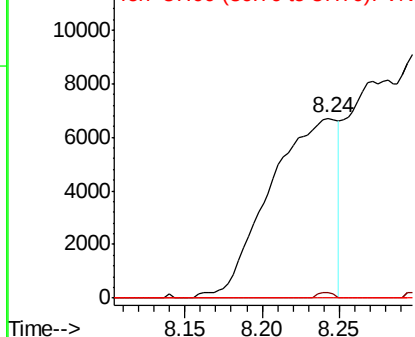


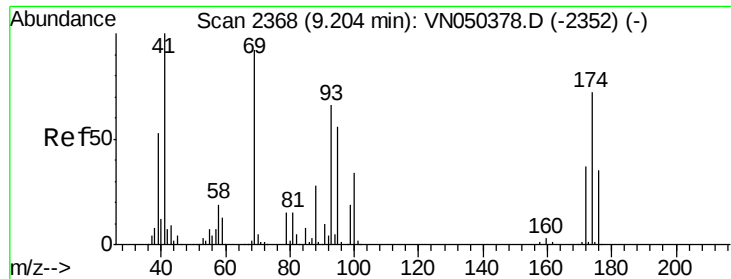
#43
Isopropyl Acetate
Concen: 1.09 ug/l
RT: 8.24 min Scan# 2069
Delta R.T. 0.08 min
Lab File: VN050477.D
Acq: 9 Aug 2018 11:44

Tgt Ion: 43 Resp: 20262
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.6#
87 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

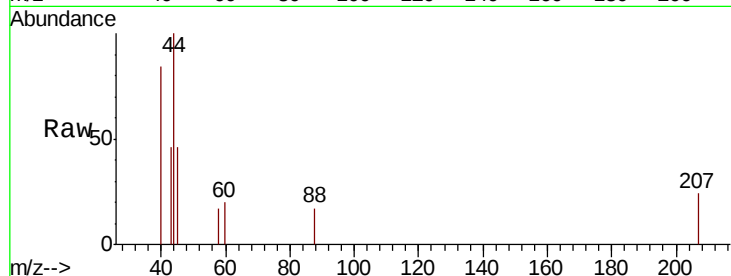




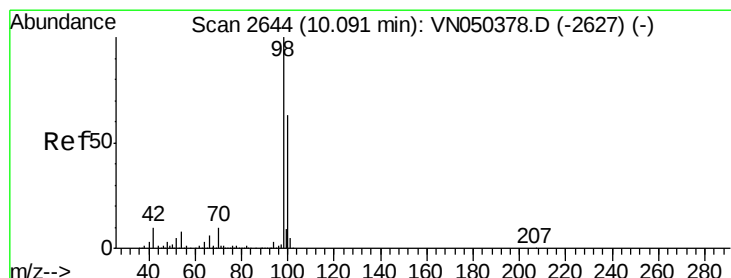
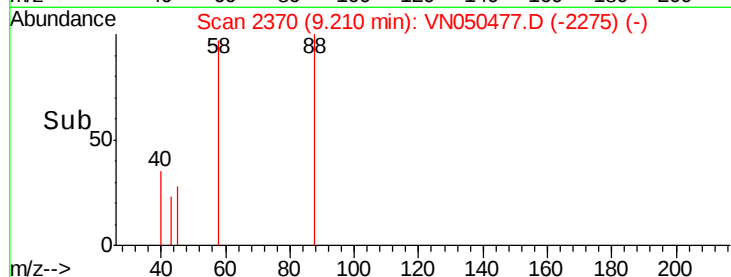
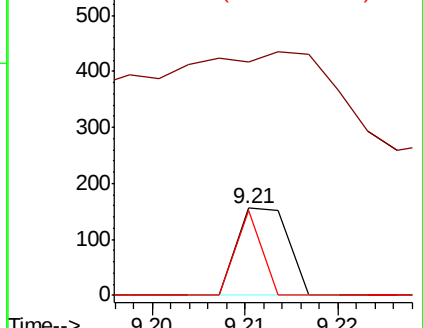
#49
1,4-Dioxane
Concen: 0.41 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.01 min
Lab File: VN050477.D
Acq: 9 Aug 2018 11:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 26.9 40.3#
58 49.2 57.3 85.9#

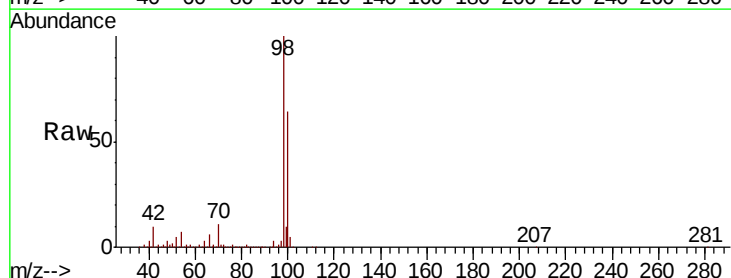


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

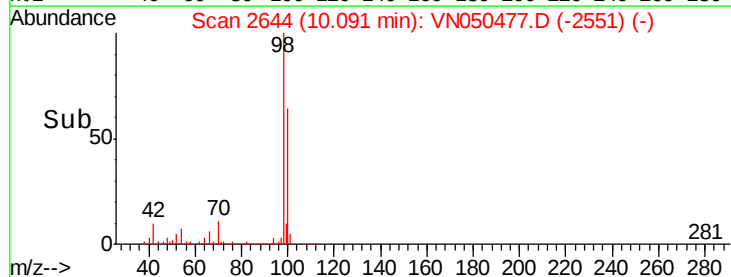
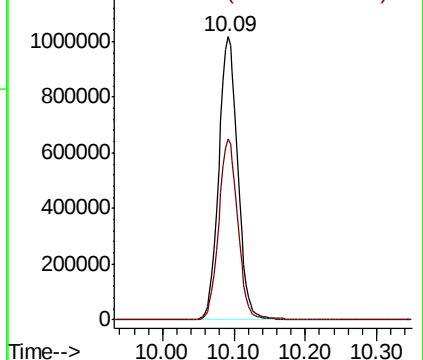


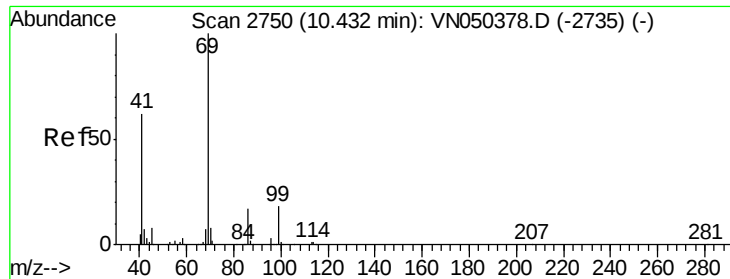
#50
Toluene-d8
Concen: 45.98 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050477.D
Acq: 9 Aug 2018 11:44

Tgt Ion: 98 Resp: 1880503
Ion Ratio Lower Upper
98 100
100 64.0 50.7 76.1



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





#56

Ethyl methacrylate

Concen: 1.72 ug/l

RT: 10.44 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VN050477.D

Acq: 9 Aug 2018 11:44

Instrument :

MSVOA_N

ClientSampled :

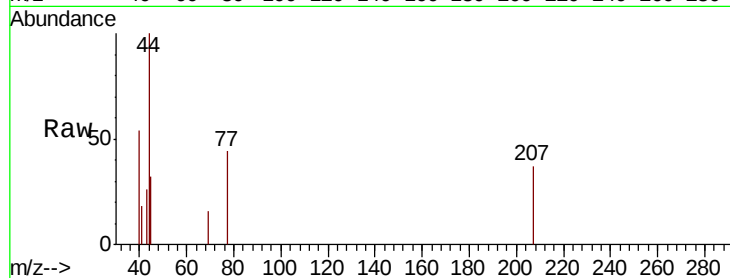
Tot Ion: 69 Resp: 94

Ion Ratio Lower Upper

69 100

41 185.1 51.0 76.4#

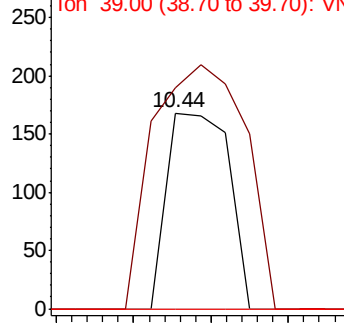
39 0.0 26.6 40.0#



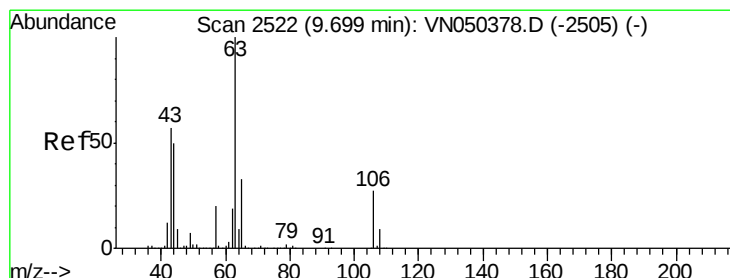
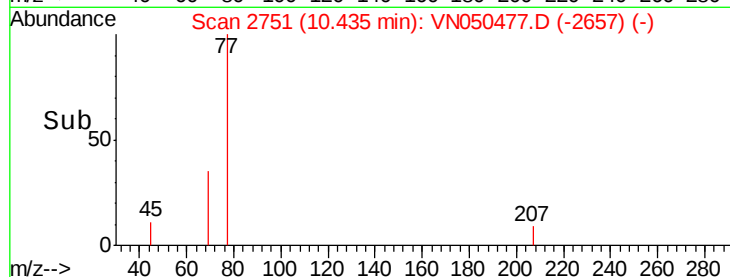
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time--> 10.42 10.43 10.44 10.45



#58

2-Chloroethyl Vinyl ether

Concen: 7.40 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050477.D

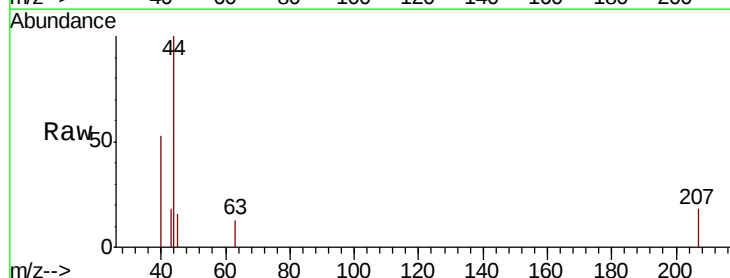
Acq: 9 Aug 2018 11:44

Tgt Ion: 63 Resp: 29

Ion Ratio Lower Upper

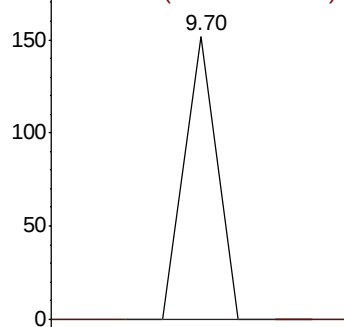
63 100

106 0.0 21.7 32.5#

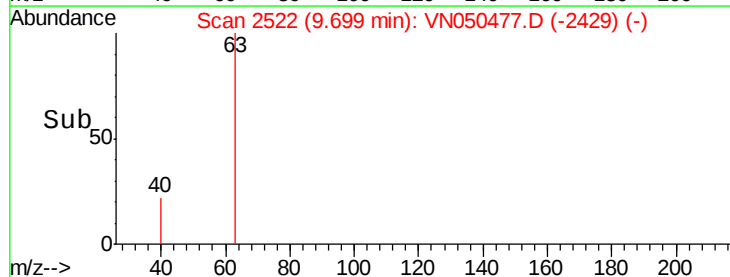


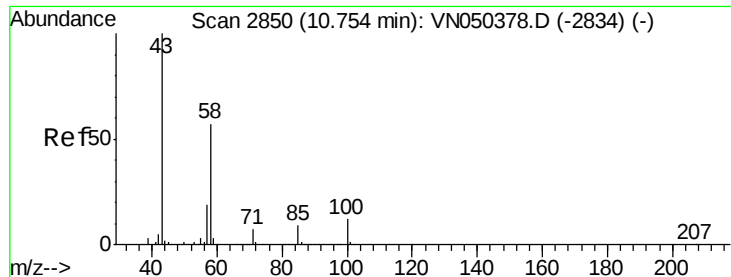
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.69 9.70 9.70 9.71 9.71

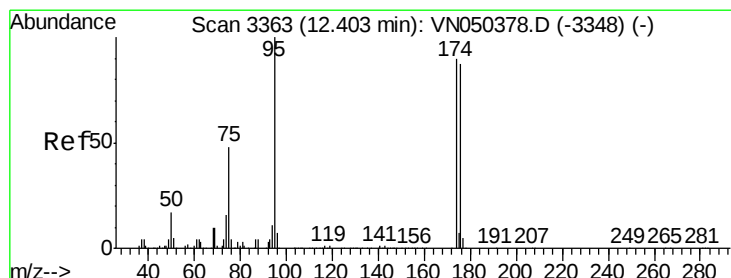
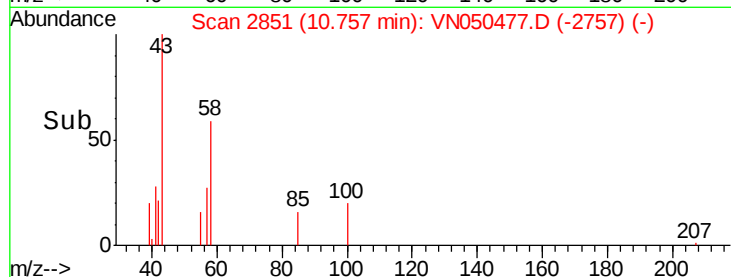
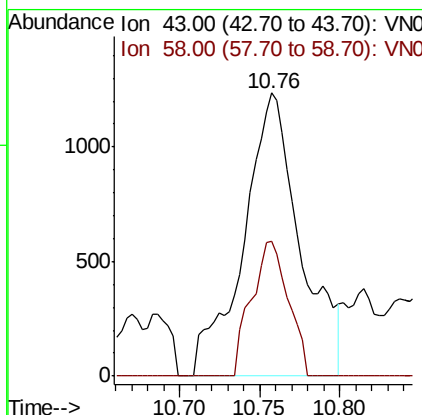
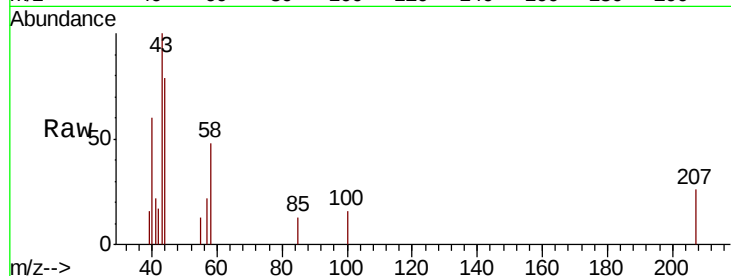




#59
2-Hexanone
Concen: 0.33 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050477.D
Acq: 9 Aug 2018 11:44

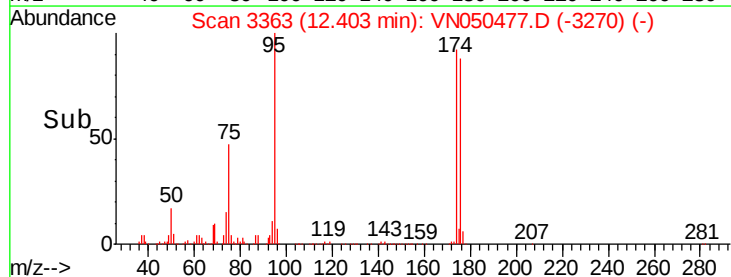
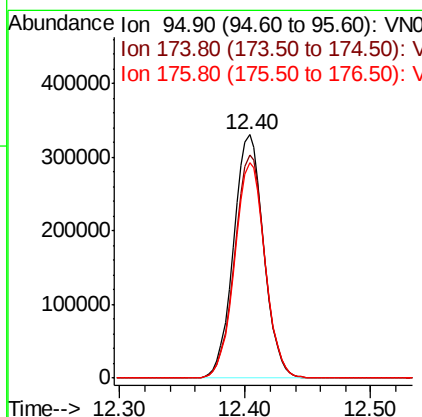
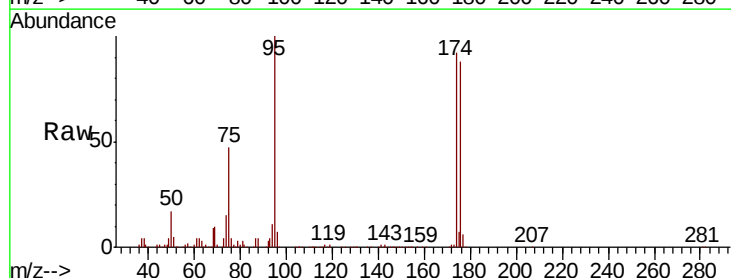
Instrument :
MSVOA_N
ClientSampled :

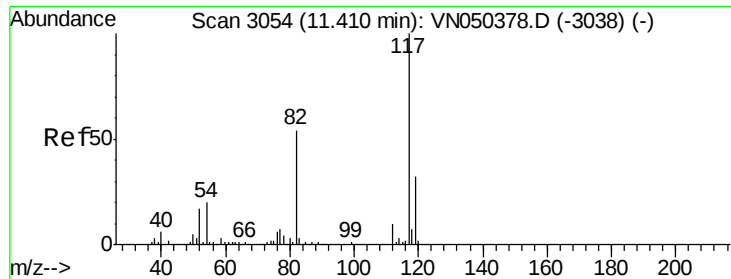
Tot Ion: 43 Resp: 3035
Ion Ratio Lower Upper
43 100
58 30.6 27.6 82.7



#62
4-Bromofluorobenzene
Concen: 39.53 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050477.D
Acq: 9 Aug 2018 11:44

Tgt Ion: 95 Resp: 550956
Ion Ratio Lower Upper
95 100
174 92.0 0.0 178.2
176 89.2 0.0 173.4

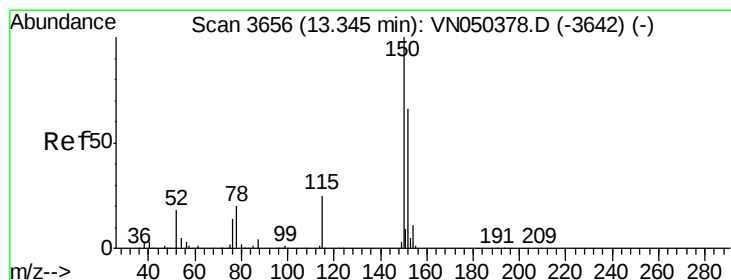
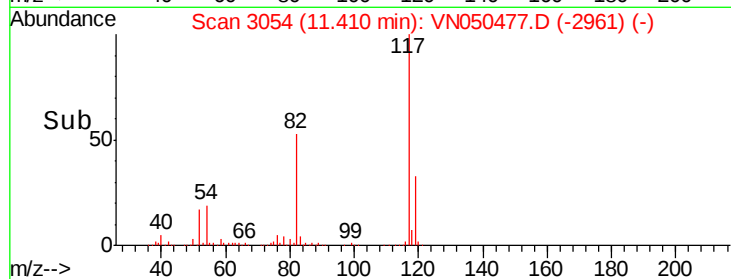
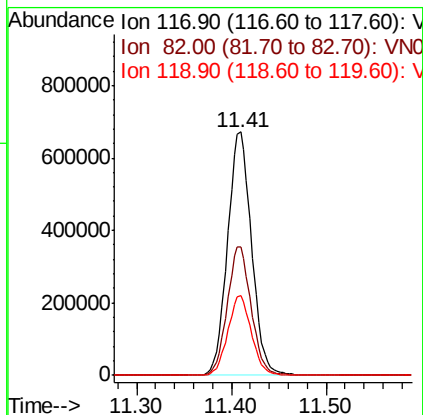
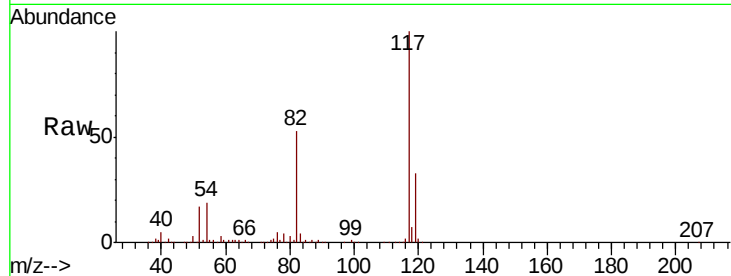




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050477.D
Acq: 9 Aug 2018 11:44

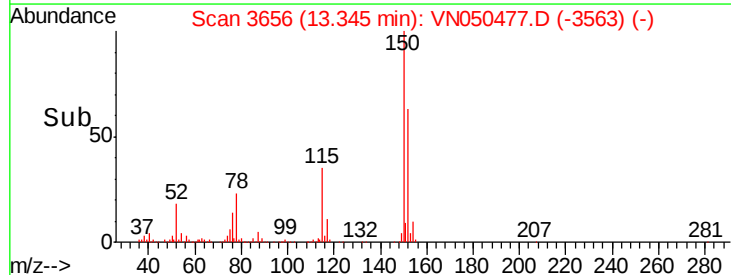
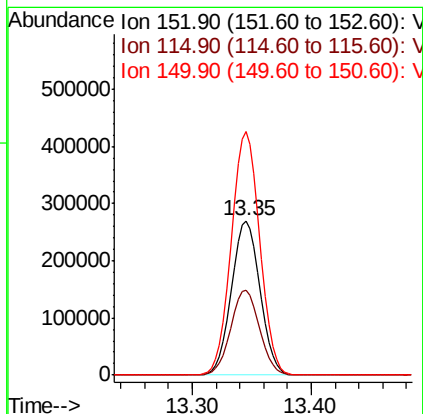
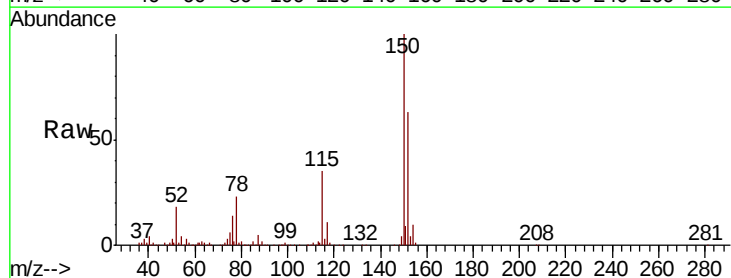
Instrument :
MSVOA_N
ClientSampled :

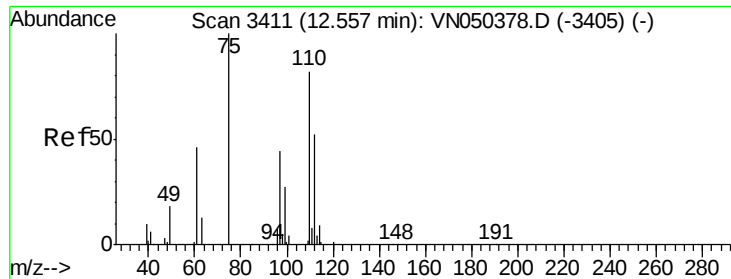
Tot Ion:117 Resp: 1184410
Ion Ratio Lower Upper
117 100
82 52.6 43.7 65.5
119 32.6 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050477.D
Acq: 9 Aug 2018 11:44

Tgt Ion:152 Resp: 448163
Ion Ratio Lower Upper
152 100
115 55.5 27.8 83.3
150 157.2 0.0 348.6

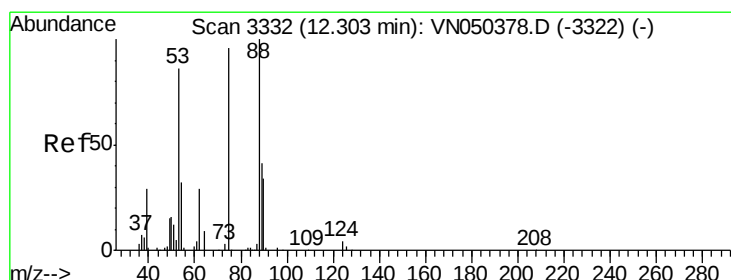
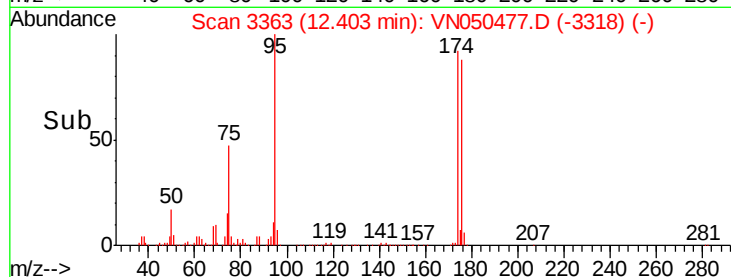
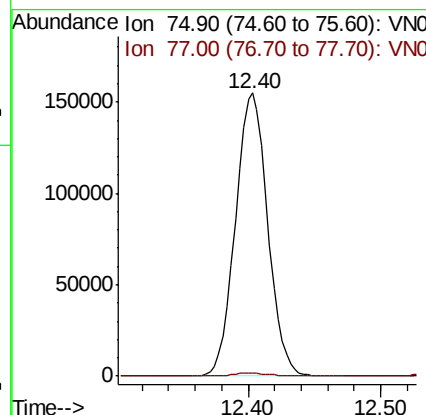
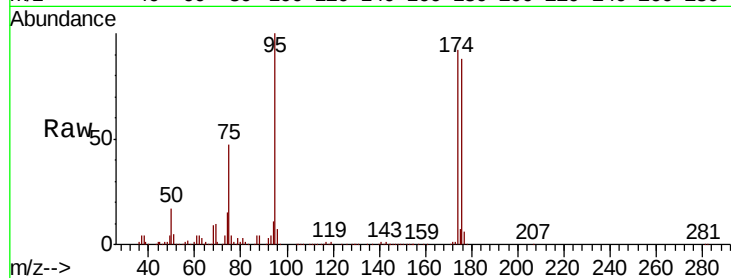




#76
 1,2,3-Trichloropropane
 Concen: 32.19 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN050477.D
 Acq: 9 Aug 2018 11:44

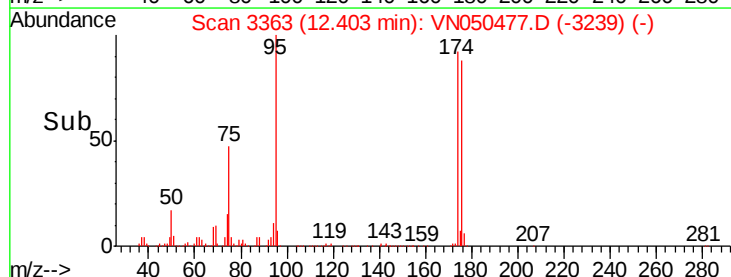
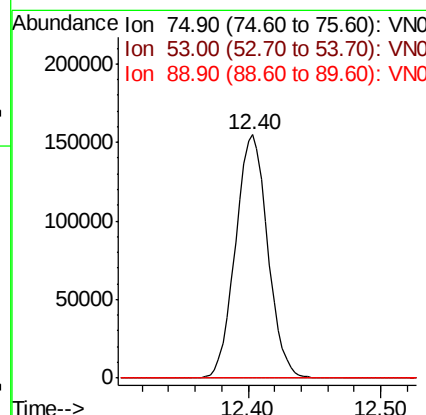
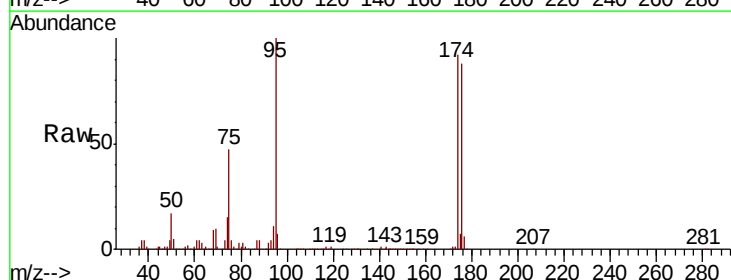
Instrument :
 MSVOA_N
 ClientSampleId :

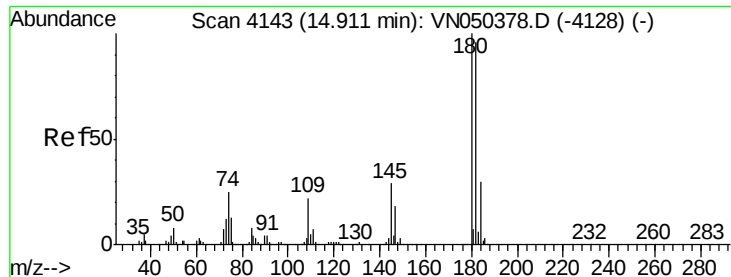
Tot Ion: 75 Resp: 261098
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.09 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050477.D
 Acq: 9 Aug 2018 11:44

Tgt Ion: 75 Resp: 261098
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.5 110.3#
 89 0.0 36.0 54.0#

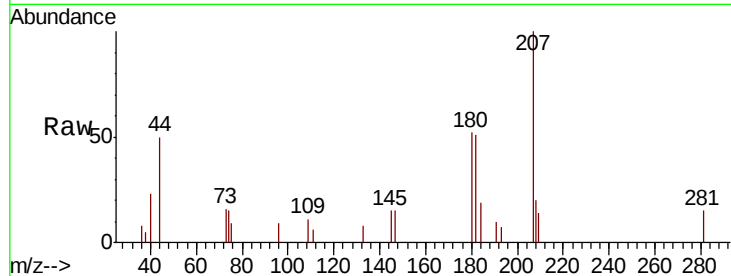




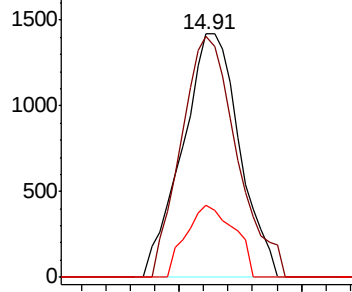
#93
 1,2,4-Trichlorobenzene
 Concen: 0.28 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050477.D
 Acq: 9 Aug 2018 11:44

Instrument :
 MSVOA_N
 ClientSampleId :

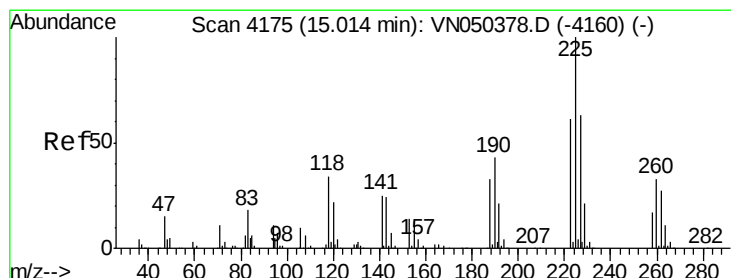
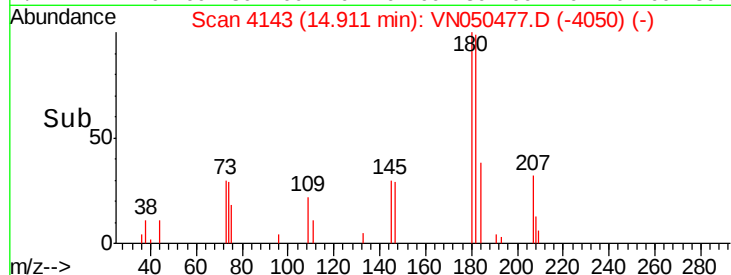
Tot Ion:180 Resp: 2298
 Ion Ratio Lower Upper
 180 100
 182 96.6 46.7 140.1
 145 25.1 13.8 41.4



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

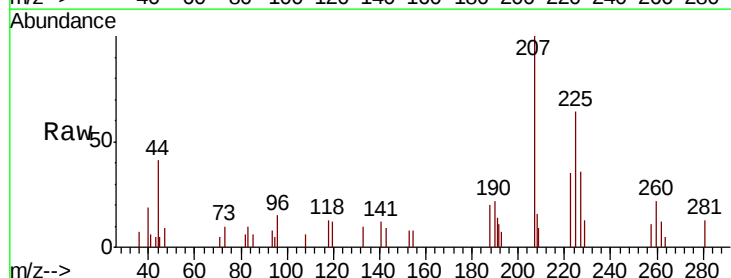


Time-->

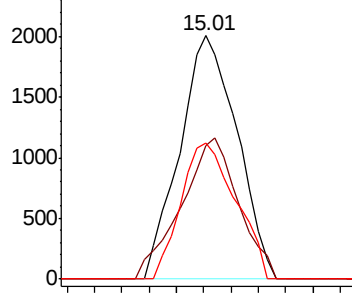


#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050477.D
 Acq: 9 Aug 2018 11:44

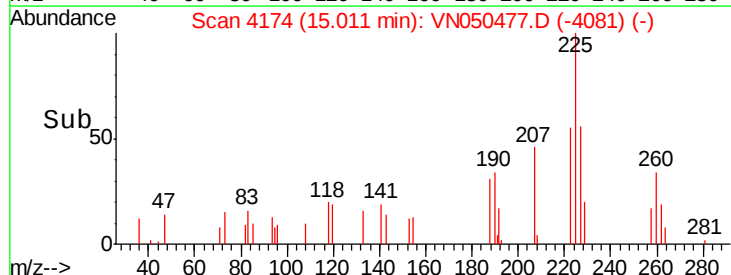
Tgt Ion:225 Resp: 2916
 Ion Ratio Lower Upper
 225 100
 223 58.2 31.4 94.2
 227 53.7 32.1 96.5

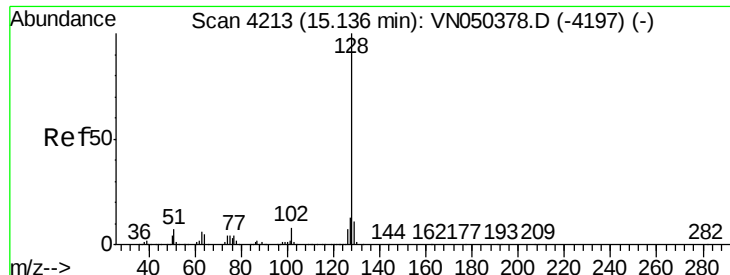


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 3.98 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN050477.D

Acq: 9 Aug 2018 11:44

Instrument :

MSVOA_N

ClientSampleId :

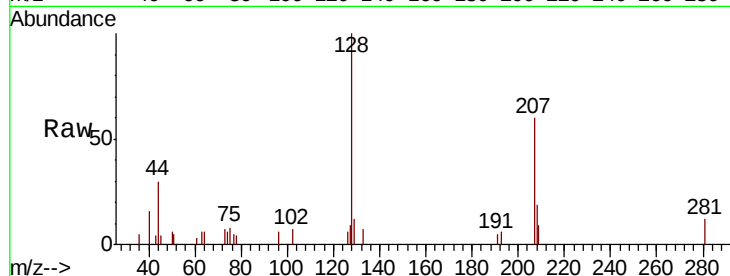
Tot Ion:128 Resp: 8444

Ion Ratio Lower Upper

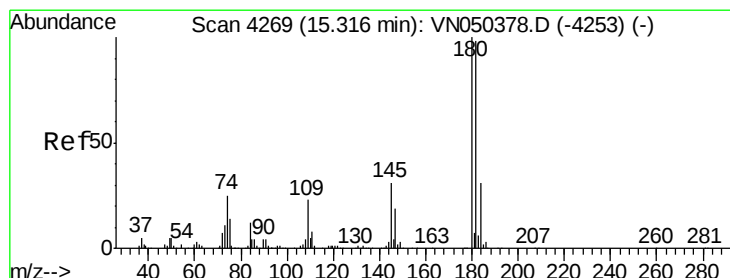
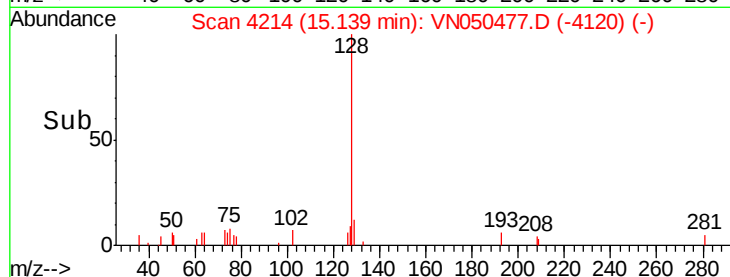
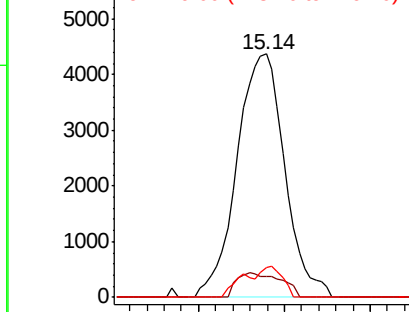
128 100

127 0.0 10.4 15.6#

129 5.9 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.42 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.00 min

Lab File: VN050477.D

Acq: 9 Aug 2018 11:44

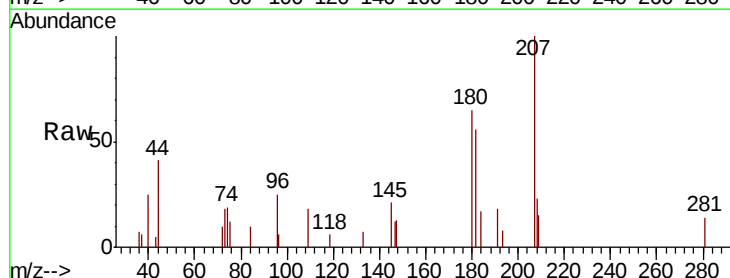
Tgt Ion:180 Resp: 3459

Ion Ratio Lower Upper

180 100

182 84.2 48.1 144.4

145 29.0 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

