

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050478.D
 Acq On : 9 Aug 2018 12:08
 Operator : MD\SY
 Sample : VN0809MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 04:00:16 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	802516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1248107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1089639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	438566	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	510475	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
35) Dibromofluoromethane	7.59	113	466784	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
50) Toluene-d8	10.09	98	1732875	46.02	ug/l	0.00
Spiked Amount			Recovery	=	92.04%	
62) 4-Bromofluorobenzene	12.40	95	519057	40.45	ug/l	0.00
Spiked Amount			Recovery	=	80.90%	

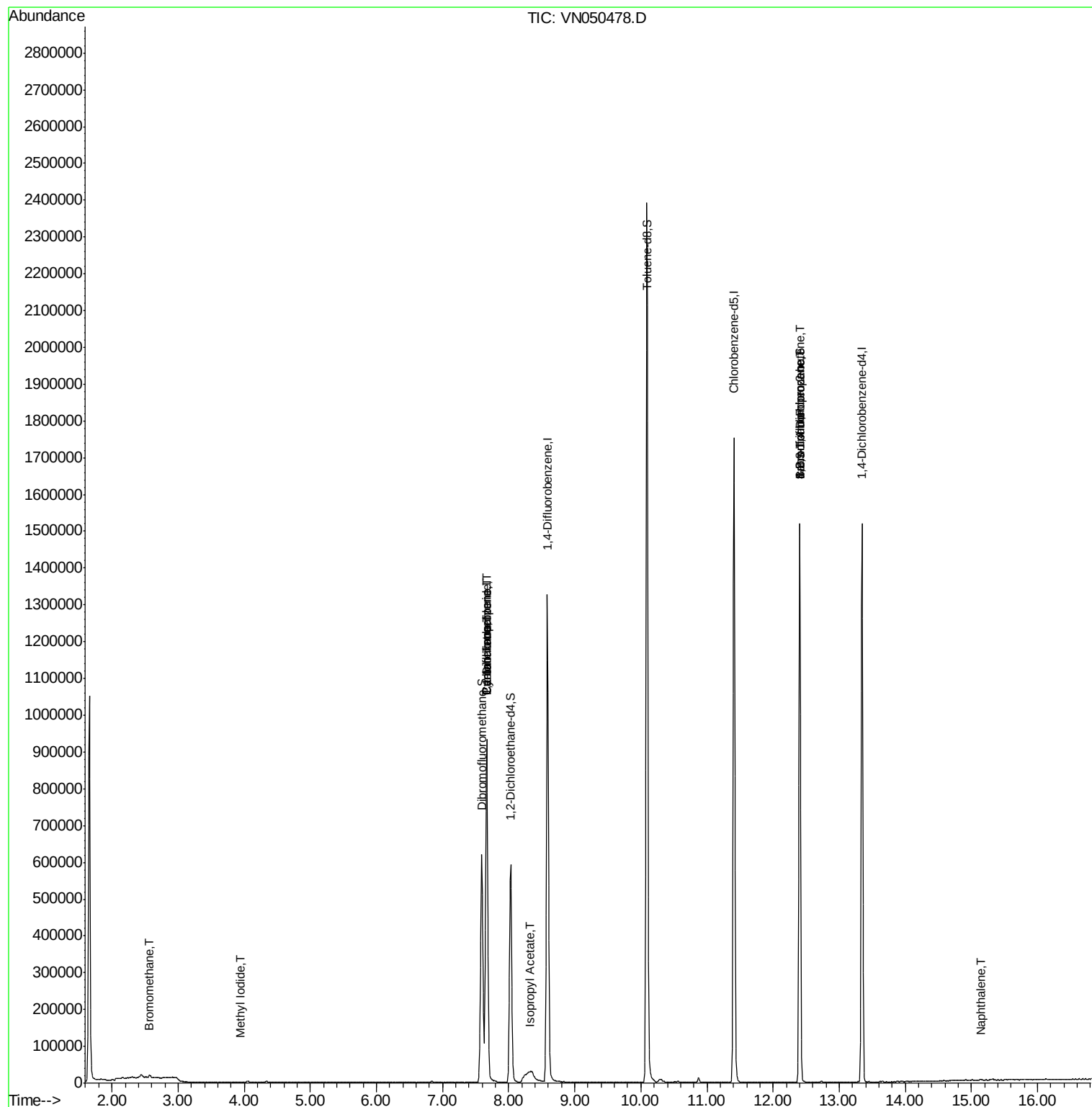
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3557	Below Cal		97
5) Bromomethane	2.56	94	4739	1.01 ug/l		87
10) Methyl Iodide	3.95	142	837	0.21 ug/l #		84
20) Methylene Chloride	4.55	84	888	Below Cal		92
31) Cyclohexane	7.67	56	13844	0.27 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	52274	3.81 ug/l #		49
38) Carbon Tetrachloride	7.67	117	73642	5.15 ug/l #		16
43) Isopropyl Acetate	8.32	43	54095	3.17 ug/l #		61
71) Bromoform	12.40	173	3632	0.50 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	243612	30.69 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	243612	107.82 ug/l #		13
94) Hexachlorobutadiene	15.01	225	490	Below Cal		75
95) Naphthalene	15.13	128	2893	3.75 ug/l #		88

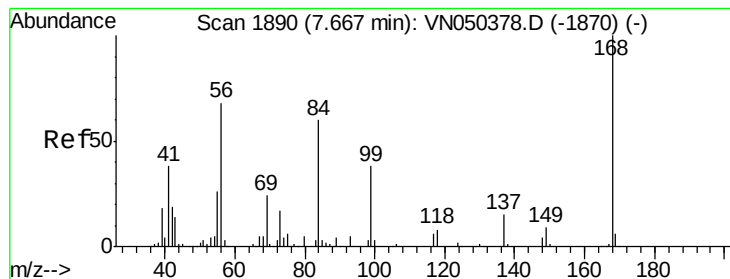
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN080918\
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 10 04:00:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
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: VN050478.D

Acq: 9 Aug 2018 12:08

Instrument :

MSVOA_N

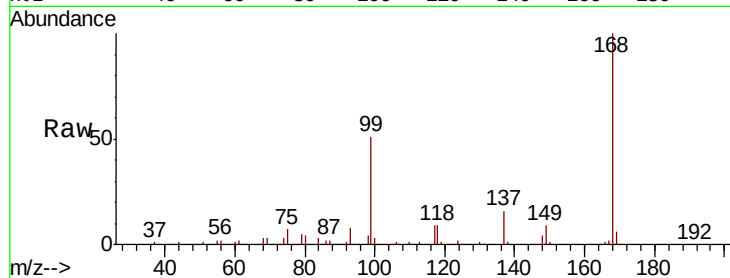
ClientSampled :

Tot Ion:168 Resp: 802516

Ion Ratio Lower Upper

168 100

99 50.8 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

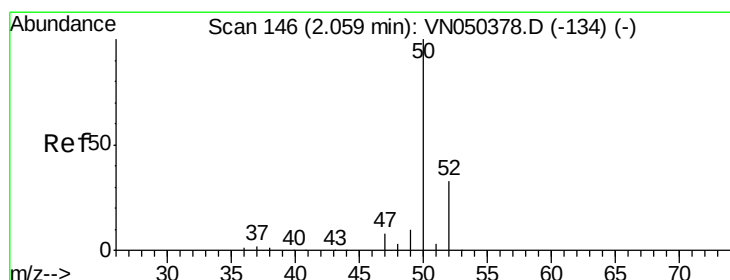
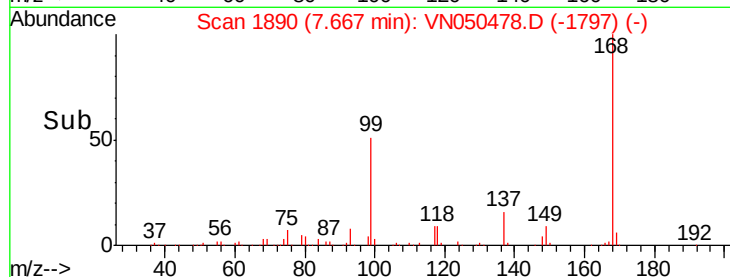
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050478.D

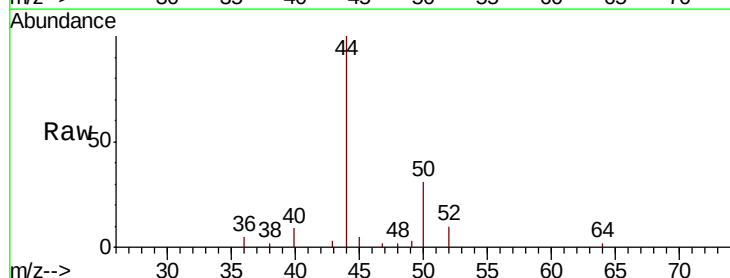
Acq: 9 Aug 2018 12:08

Tgt Ion: 50 Resp: 3557

Ion Ratio Lower Upper

50 100

52 30.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

2500

2000

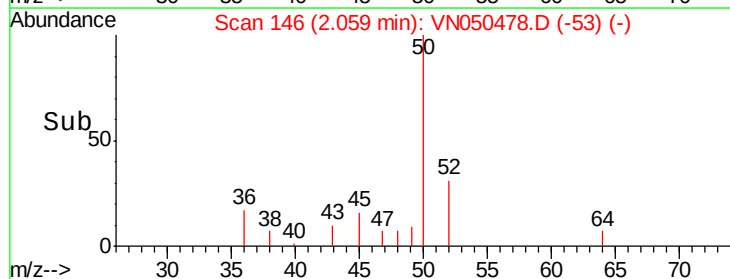
1500

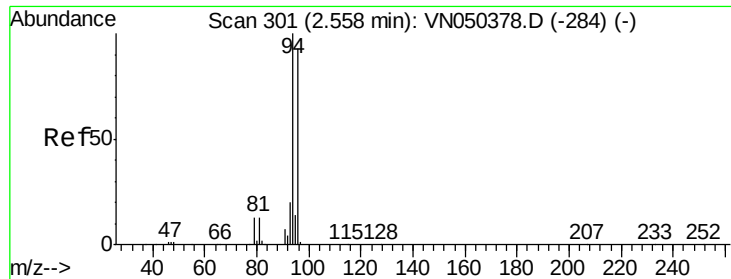
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.01 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050478.D

Acq: 9 Aug 2018 12:08

Instrument :

MSVOA_N

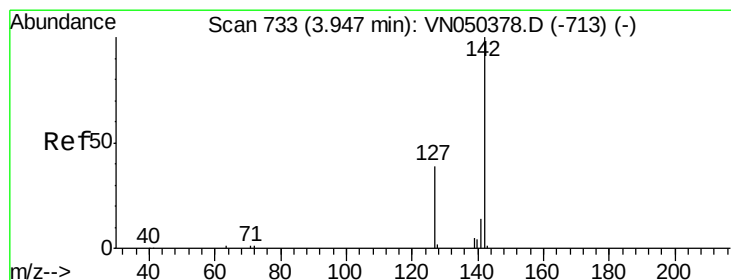
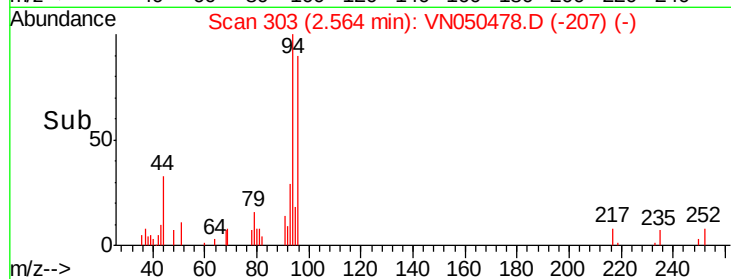
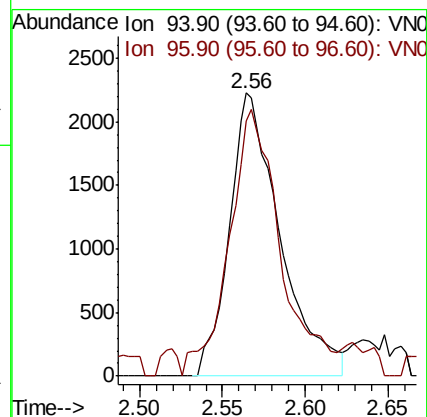
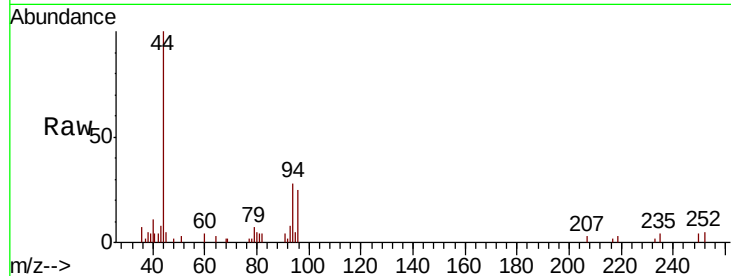
ClientSampled :

Tot Ion: 94 Resp: 4739

Ion Ratio Lower Upper

94 100

96 81.2 74.6 112.0



#10

Methyl Iodide

Concen: 0.21 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN050478.D

Acq: 9 Aug 2018 12:08

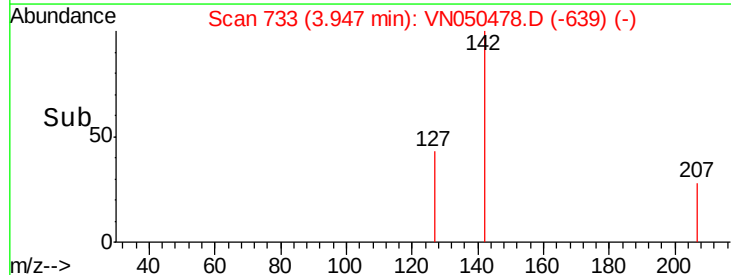
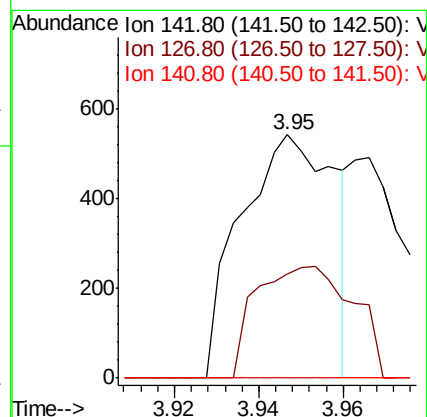
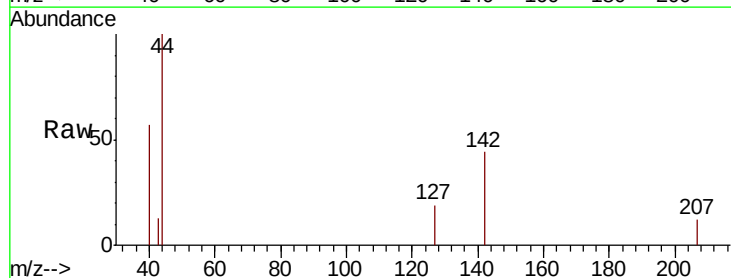
Tgt Ion: 142 Resp: 837

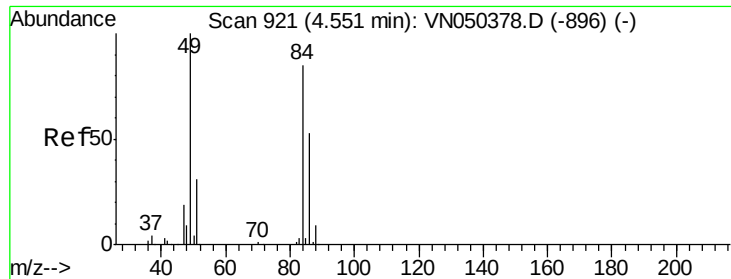
Ion Ratio Lower Upper

142 100

127 47.3 33.4 50.2

141 0.0 11.6 17.4#

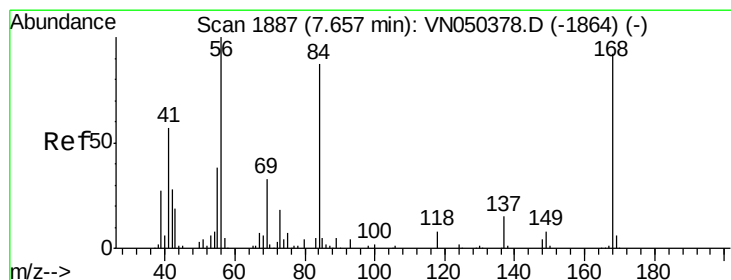
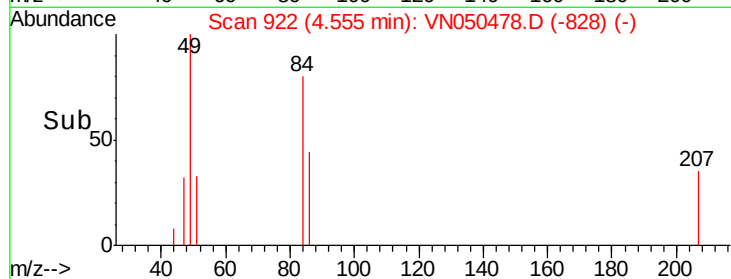
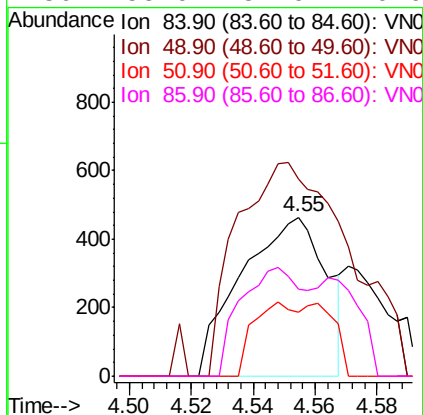
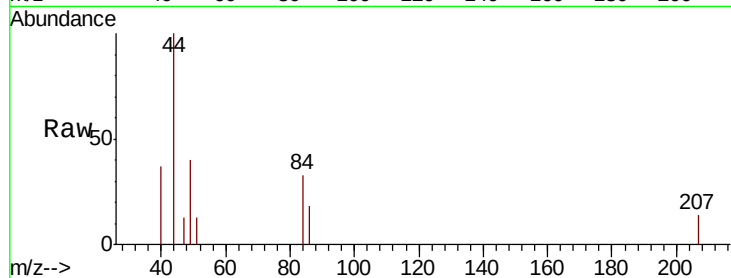




#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050478.D
Acq: 9 Aug 2018 12:08

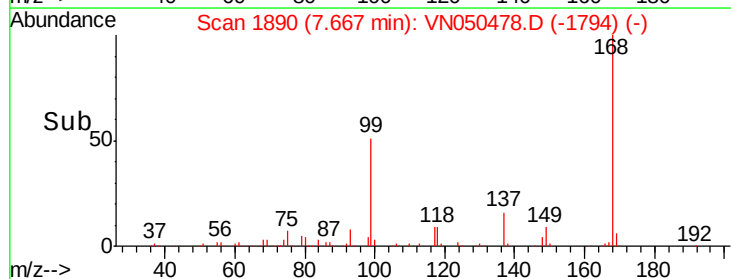
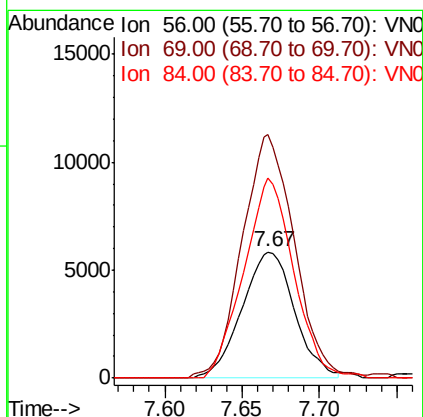
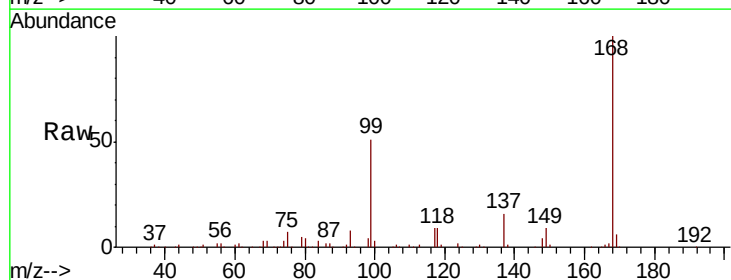
Instrument :
MSVOA_N
ClientSampled :

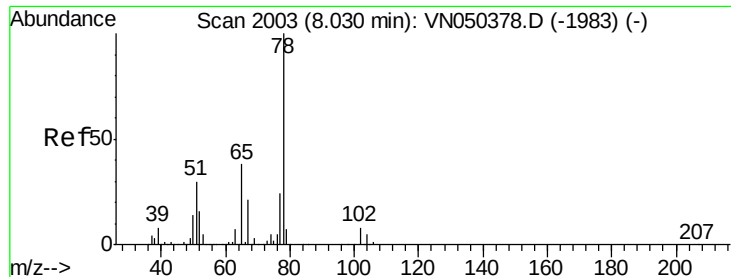
Tot Ion:	84	Resp:	888
Ion	Ratio	Lower	Upper
84	100		
49	124.4	94.8	142.2
51	40.5	28.3	42.5
86	55.0	51.0	76.6



#31
Cyclohexane
Concen: 0.27 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050478.D
Acq: 9 Aug 2018 12:08

Tgt Ion:	56	Resp:	13844
Ion	Ratio	Lower	Upper
56	100		
69	193.5	26.2	39.4#
84	158.7	67.4	101.0#

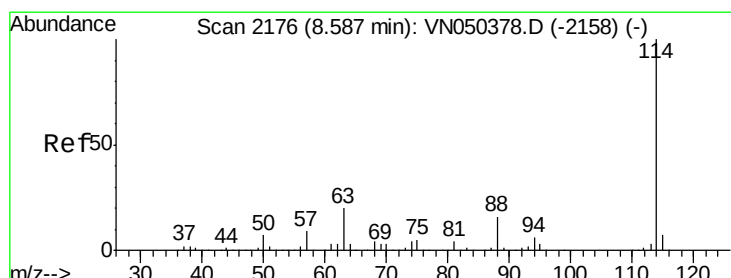
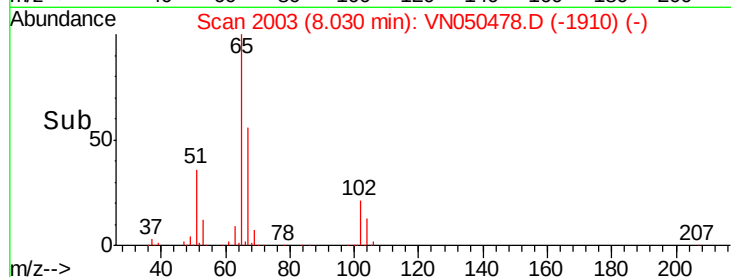
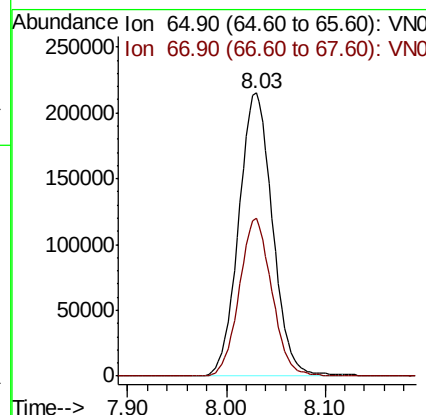
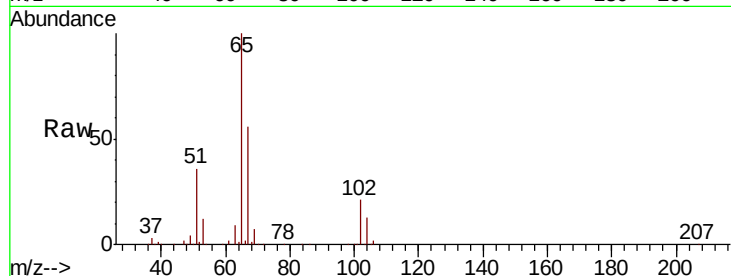




#33
 1,2-Dichloroethane-d4
 Concen: 47.61 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050478.D
 Acq: 9 Aug 2018 12:08

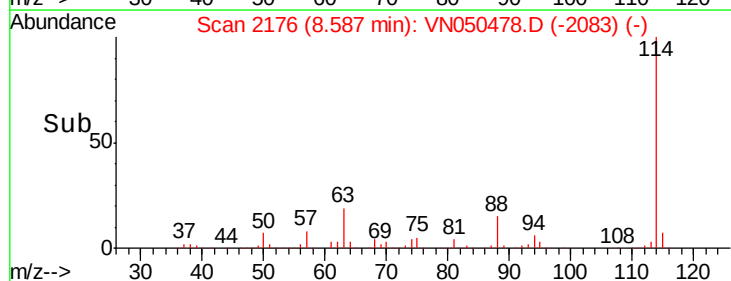
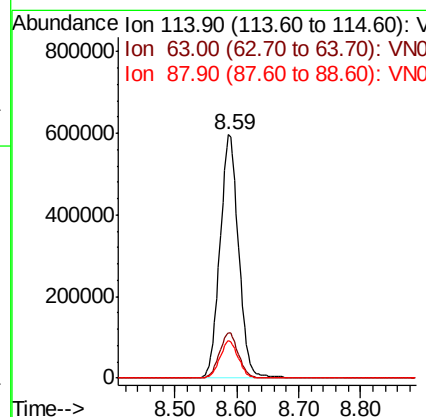
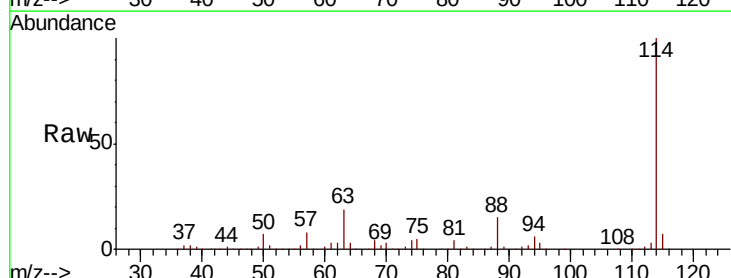
Instrument :
 MSVOA_N
 ClientSampleId :

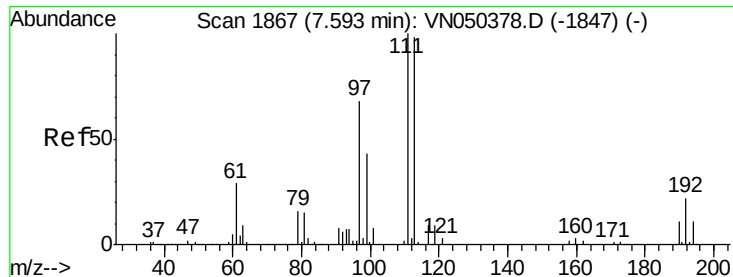
Tot Ion: 65 Resp: 510475
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050478.D
 Acq: 9 Aug 2018 12:08

Tgt Ion: 114 Resp: 1248107
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 40.0
 88 15.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 46.61 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN050478.D

Acq: 9 Aug 2018 12:08

Instrument :
MSVOA_N
ClientSampled :

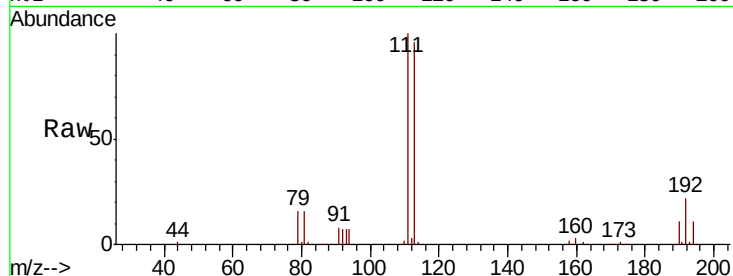
Tot Ion:113 Resp: 466784

Ion Ratio Lower Upper

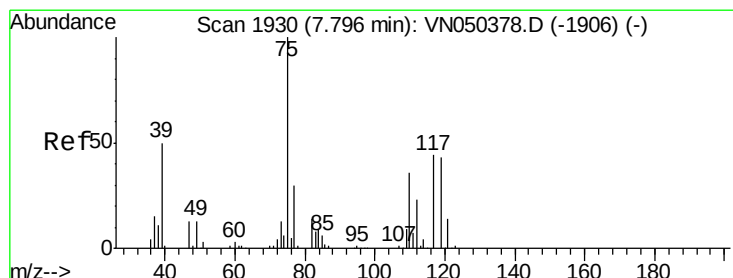
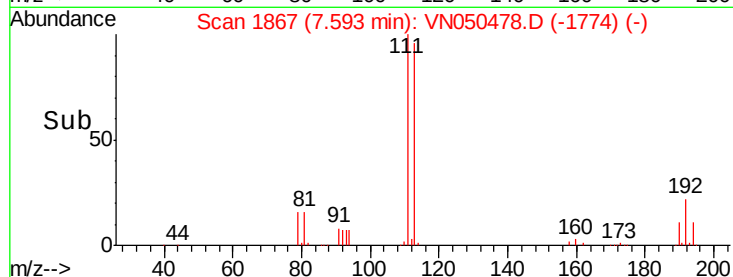
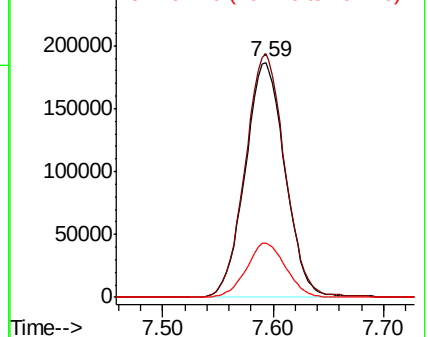
113 100

111 103.8 80.7 121.1

192 22.9 17.8 26.6



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



#36

1,1-Dichloropropene

Concen: 3.81 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050478.D

Acq: 9 Aug 2018 12:08

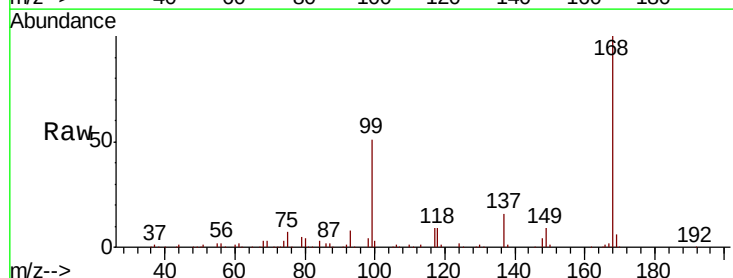
Tgt Ion: 75 Resp: 52274

Ion Ratio Lower Upper

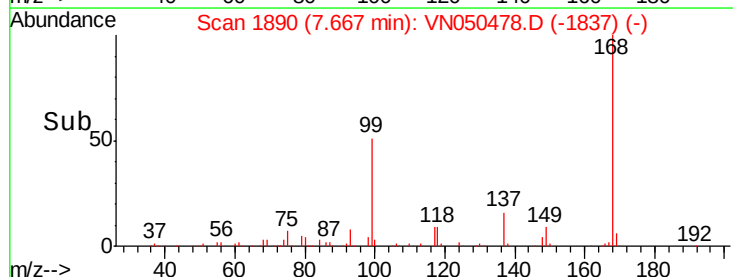
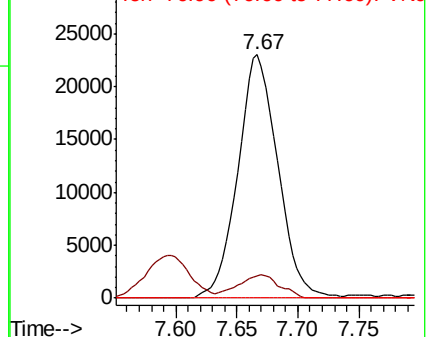
75 100

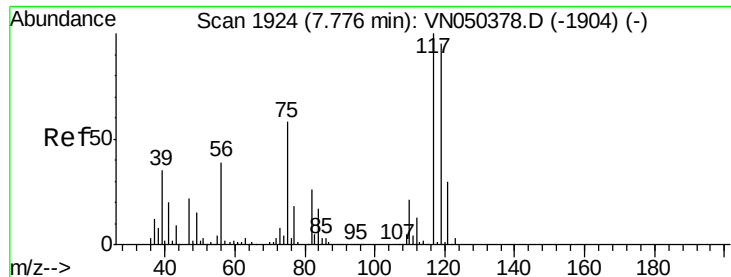
110 10.0 18.4 55.2#

77 0.0 25.3 37.9#



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

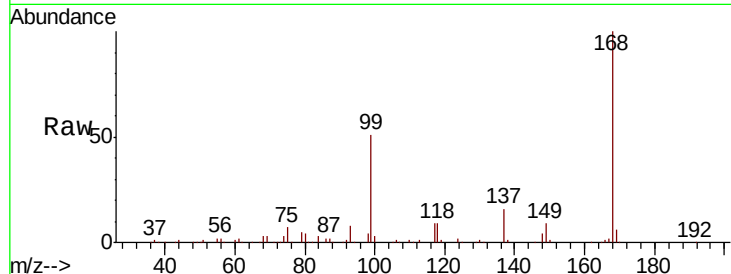




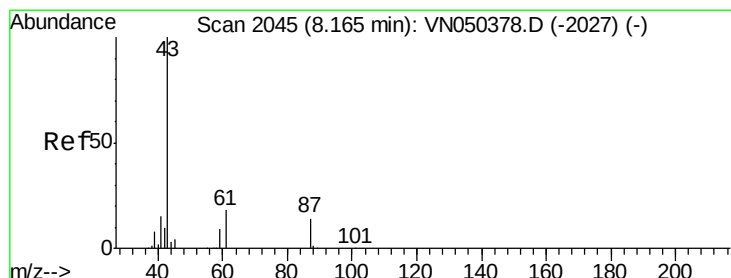
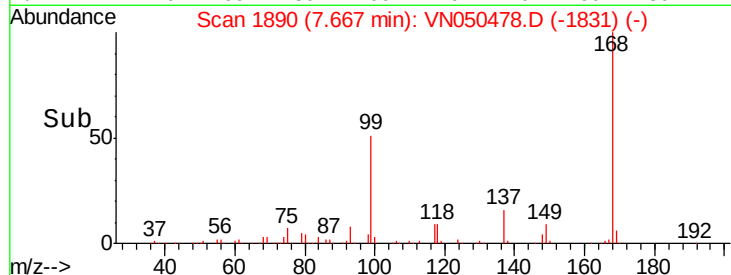
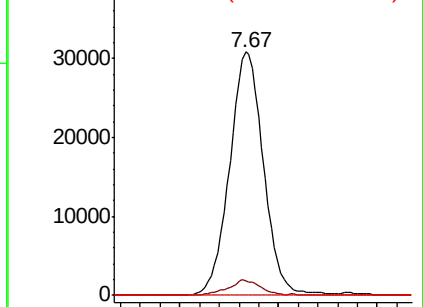
#38
Carbon Tetrachloride
Concen: 5.15 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050478.D
Acq: 9 Aug 2018 12:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 73642
Ion Ratio Lower Upper
117 100
119 6.2 77.4 116.0#
121 0.0 23.9 35.9#

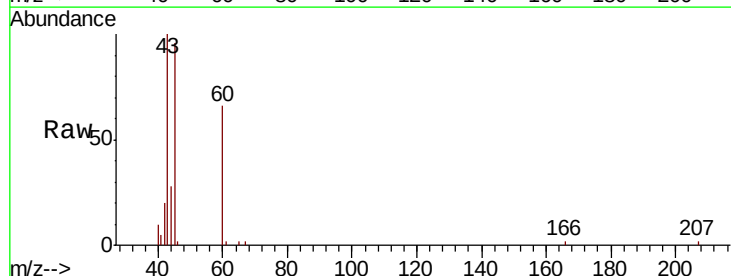


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

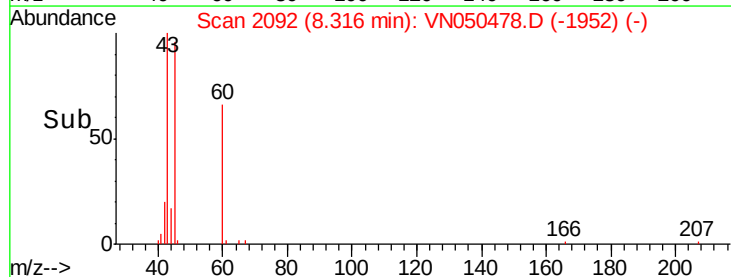
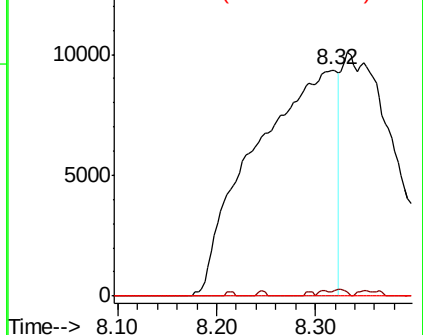


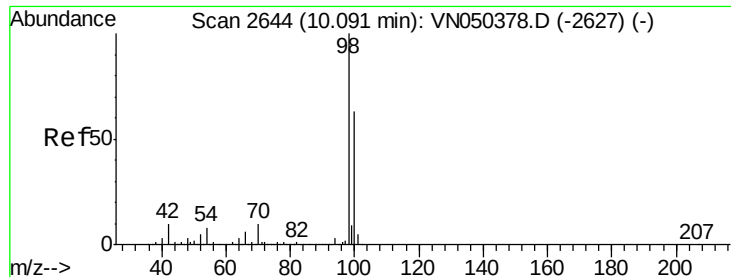
#43
Isopropyl Acetate
Concen: 3.17 ug/l
RT: 8.32 min Scan# 2092
Delta R.T. 0.15 min
Lab File: VN050478.D
Acq: 9 Aug 2018 12:08

Tgt Ion: 43 Resp: 54095
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): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

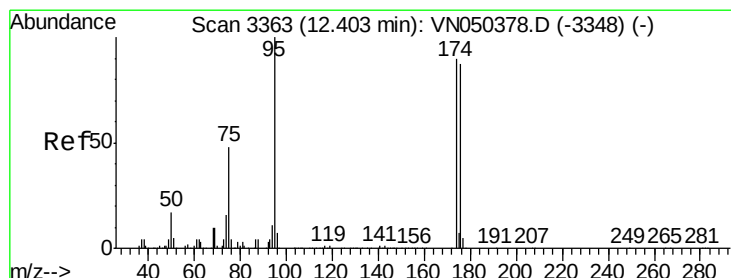
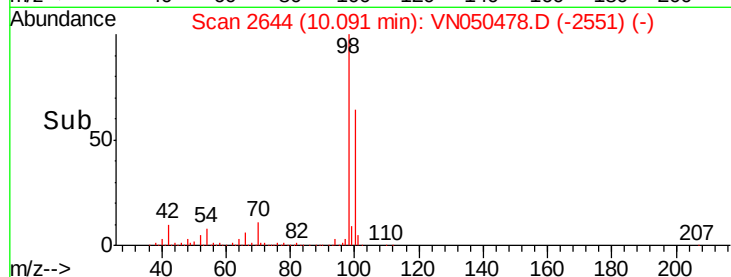
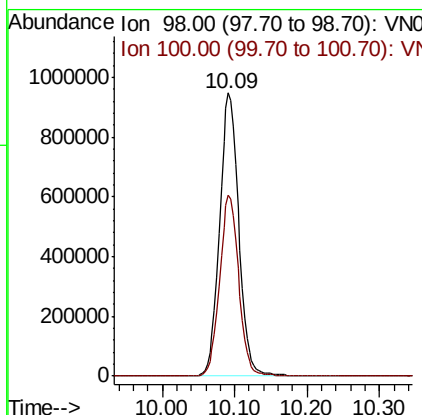
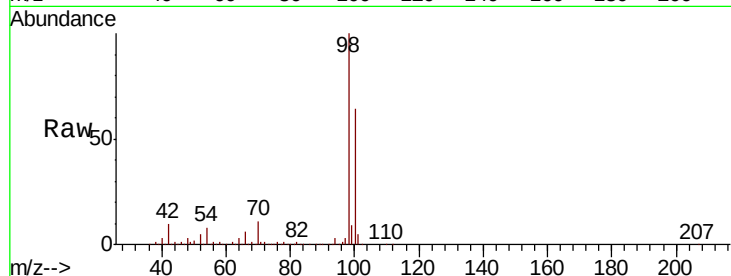




#50
Toluene-d8
Concen: 46.02 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050478.D
Acq: 9 Aug 2018 12:08

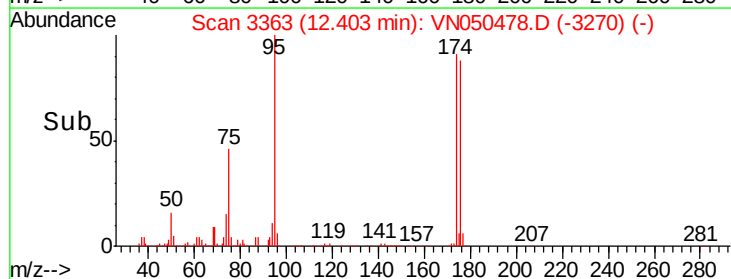
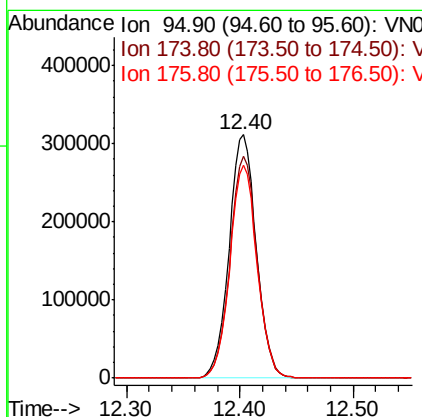
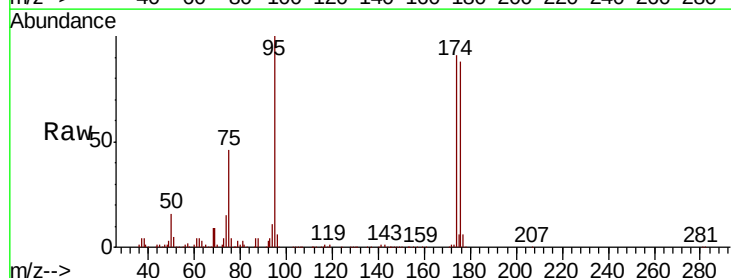
Instrument :
MSVOA_N
ClientSampled :

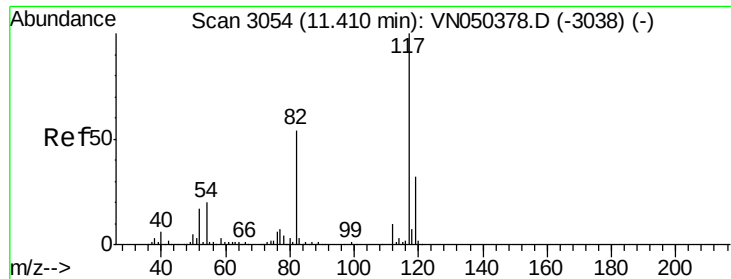
Tot Ion: 98 Resp: 1732875
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 40.45 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050478.D
Acq: 9 Aug 2018 12:08

Tgt Ion: 95 Resp: 519057
Ion Ratio Lower Upper
95 100
174 91.2 0.0 178.2
176 87.6 0.0 173.4

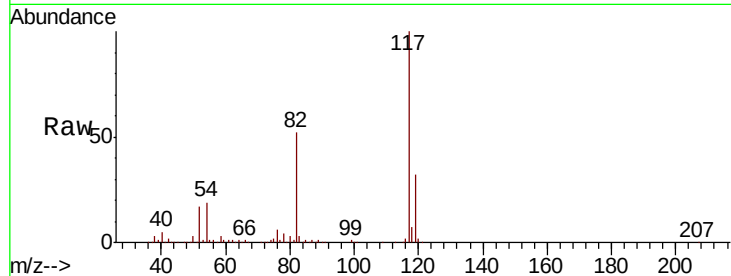




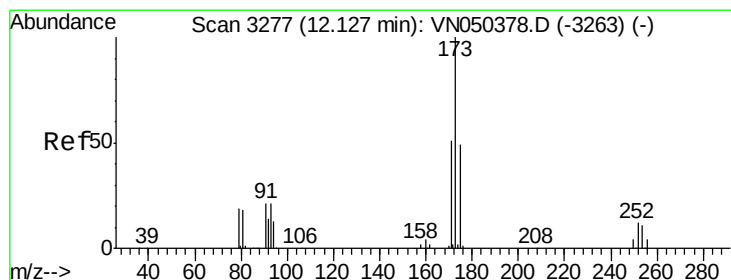
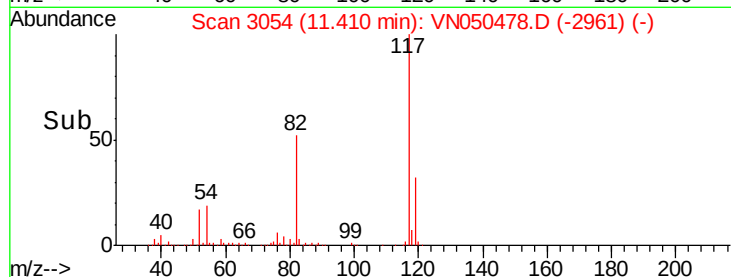
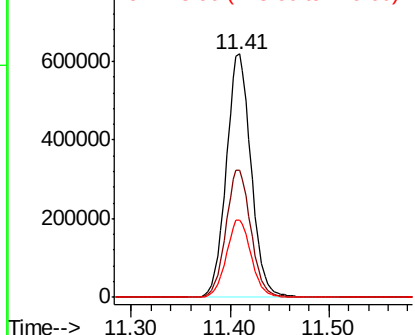
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050478.D
Acq: 9 Aug 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1089639
Ion Ratio Lower Upper
117 100
82 52.3 43.7 65.5
119 32.0 26.1 39.1

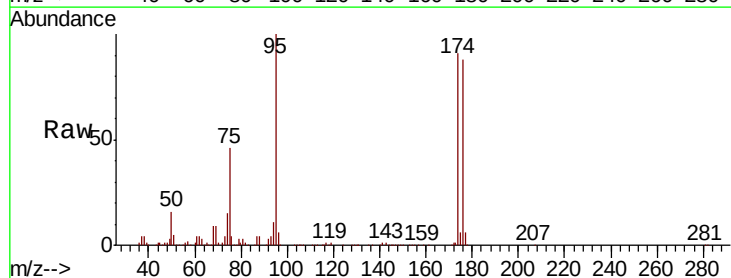


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

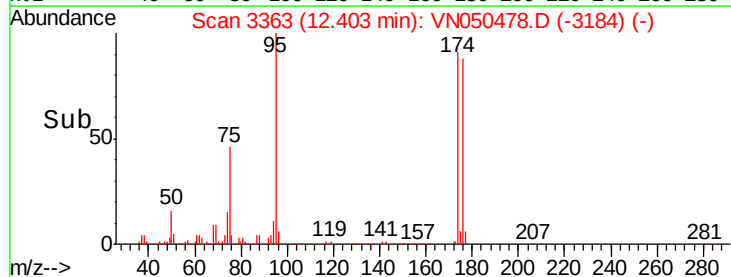
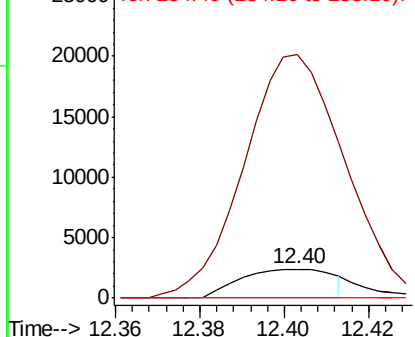


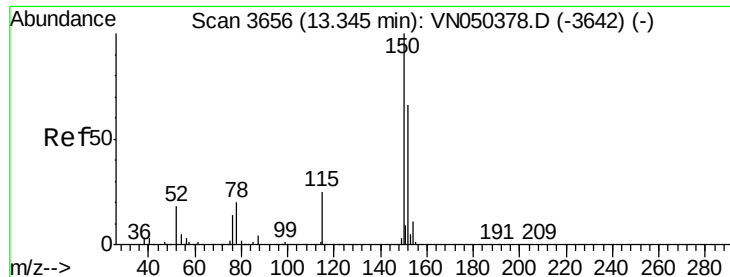
#71
Bromoform
Concen: 0.50 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050478.D
Acq: 9 Aug 2018 12:08

Tgt Ion:173 Resp: 3632
Ion Ratio Lower Upper
173 100
175 785.0 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: VN050478.D

Acq: 9 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

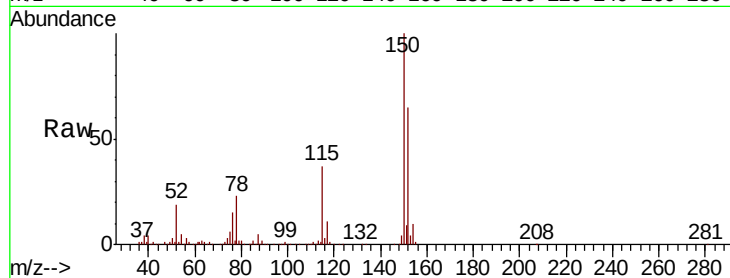
Tot Ion:152 Resp: 438566

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.3

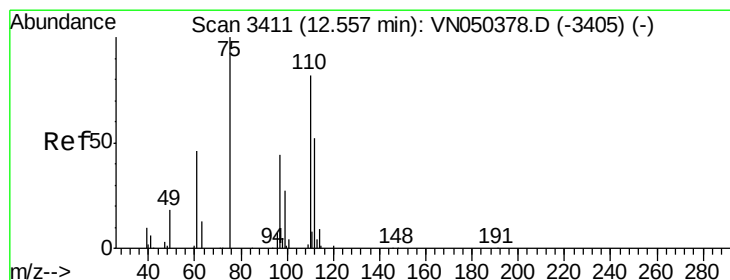
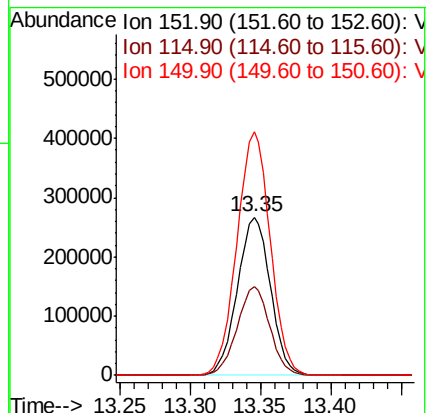
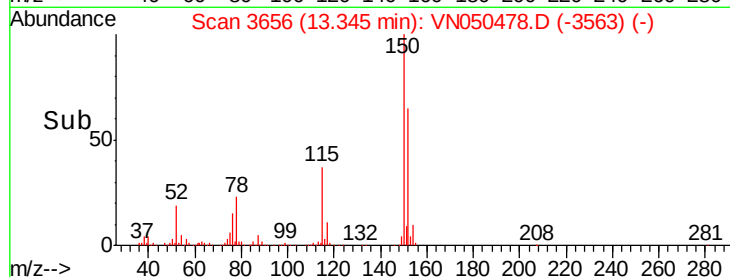
150 155.0 0.0 348.6



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



#76

1,2,3-Trichloropropane

Concen: 30.69 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050478.D

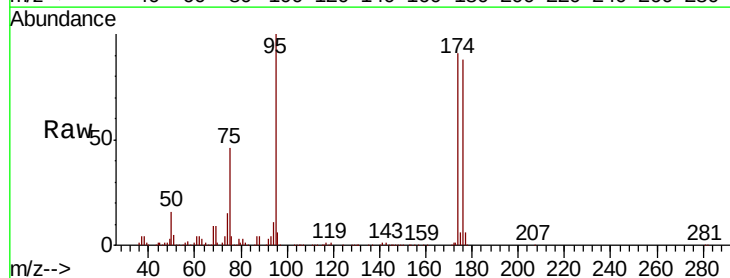
Acq: 9 Aug 2018 12:08

Tgt Ion: 75 Resp: 243612

Ion Ratio Lower Upper

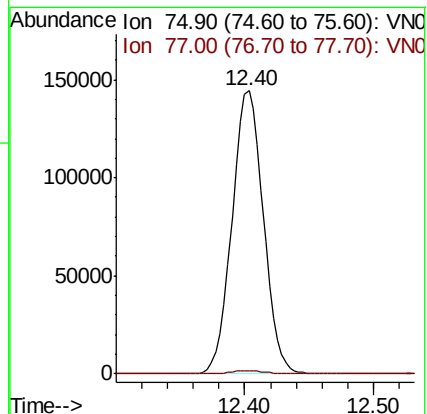
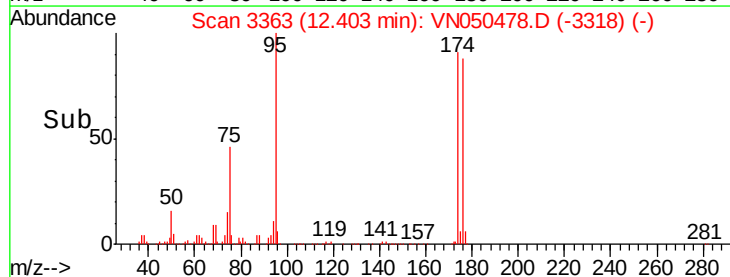
75 100

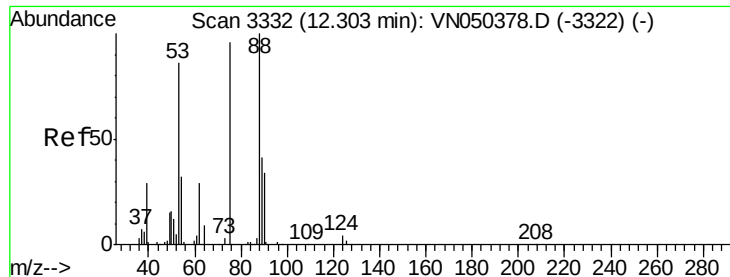
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 107.82 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050478.D

Acq: 9 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

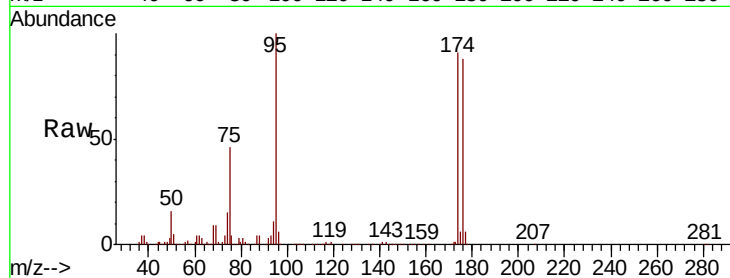
Tot Ion: 75 Resp: 243612

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

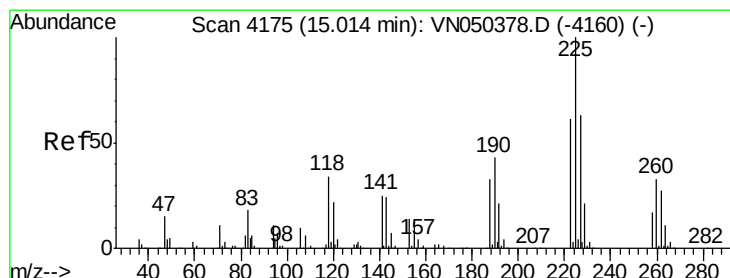
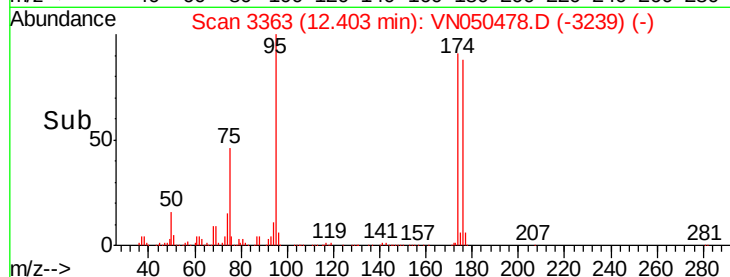
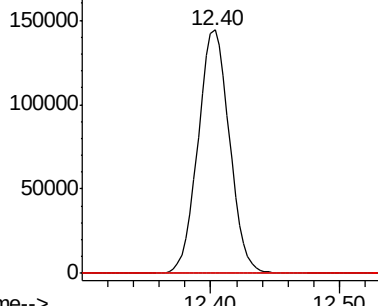
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN050478.D

Acq: 9 Aug 2018 12:08

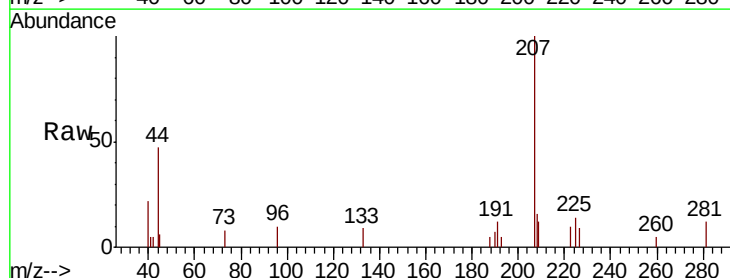
Tgt Ion: 225 Resp: 490

Ion Ratio Lower Upper

225 100

223 76.9 31.4 94.2

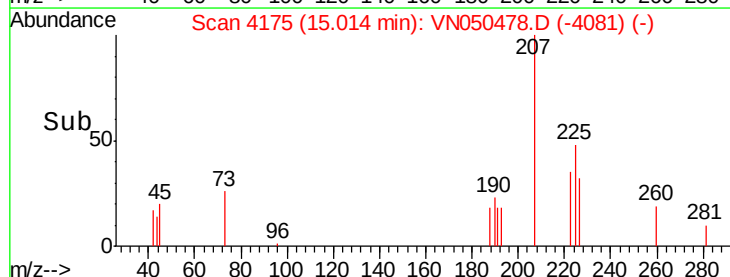
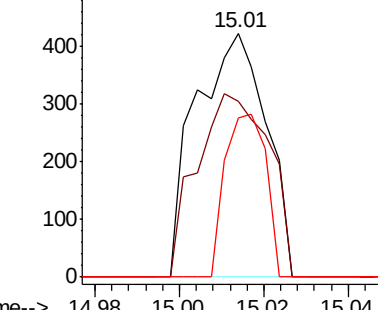
227 38.8 32.1 96.5

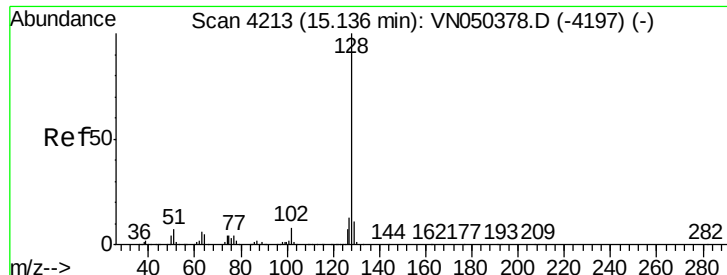


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95
 Naphthalene
 Concen: 3.75 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN050478.D
 Acq: 9 Aug 2018 12:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.4	15.6
129	2.7	8.8	13.2

