

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120518\
 Data File : VN052684.D
 Acq On : 5 Dec 2018 18:40
 Operator : MD\SY
 Sample : J6233-04RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-2RE

Quant Time: Dec 06 04:30:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1142722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1785078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1553860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	608598	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	616428	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
35) Dibromofluoromethane	7.59	113	320778	29.15	ug/l	0.00
Spiked Amount			Recovery	=	58.30%	
50) Toluene-d8	10.09	98	2165903	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.40	95	685831	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	

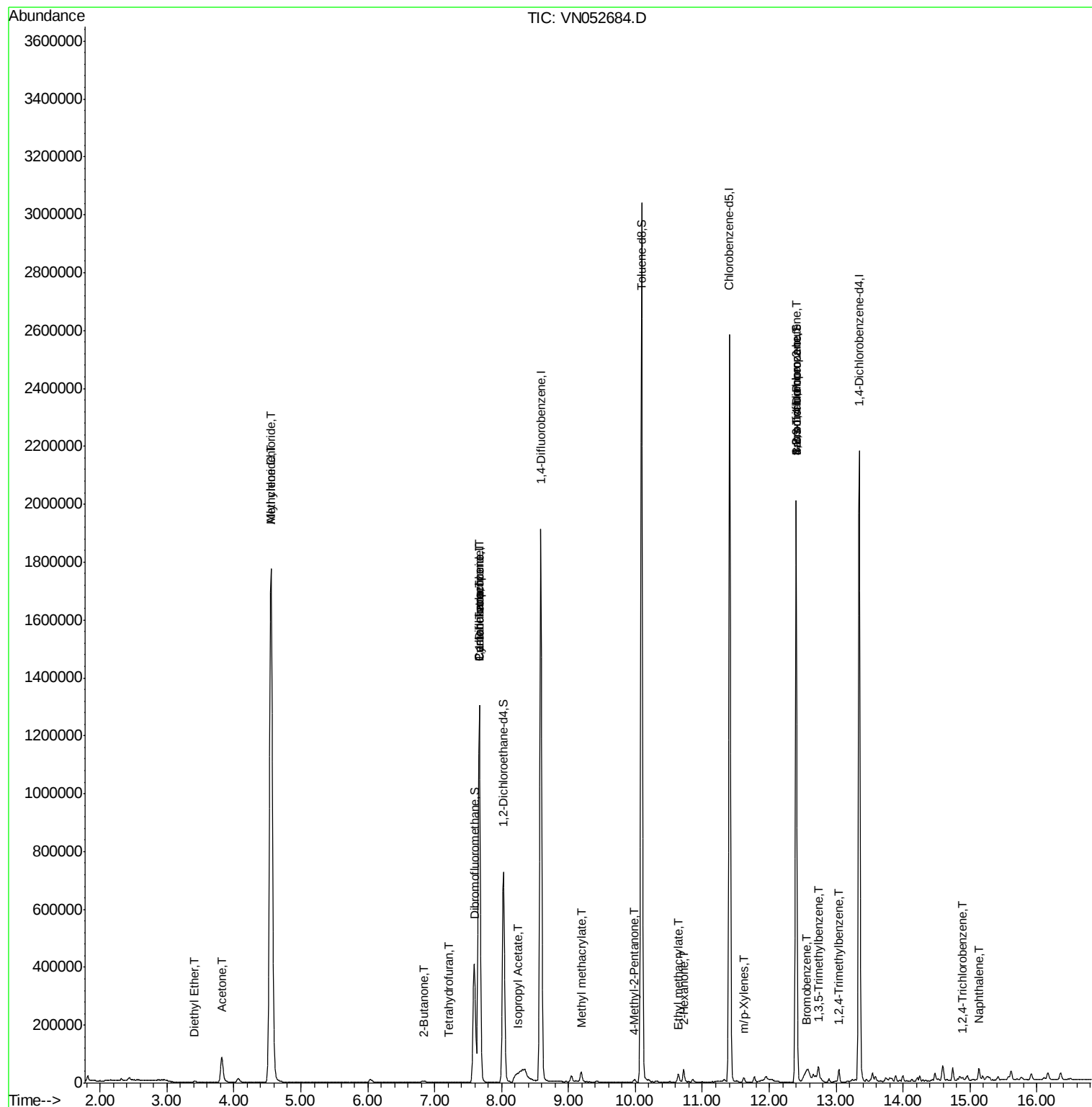
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.42	74	2143	0.326	ug/l	56
14) Allyl chloride	4.55	41	51267	2.779	ug/l #	27
16) Acetone	3.82	43	155373	47.345	ug/l	97
20) Methylene Chloride	4.55	84	1381143	107.546	ug/l	99
25) 2-Butanone	6.85	43	4957	1.066	ug/l	94
29) Tetrahydrofuran	7.22	42	1654	0.551	ug/l #	57
31) Cyclohexane	7.67	56	19925	0.569	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	78487	4.656	ug/l #	45
38) Carbon Tetrachloride	7.67	117	101327	6.640	ug/l #	16
43) Isopropyl Acetate	8.24	43	36754	2.111	ug/l #	53
48) Methyl methacrylate	9.18	41	15994	1.762	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	5880	0.602	ug/l	98
56) Ethyl methacrylate	10.64	69	282	2.711	ug/l #	1
59) 2-Hexanone	10.72	43	37382	5.702	ug/l #	24
68) m/p-Xylenes	11.62	106	4792	0.229	ug/l	100
71) Bromoform	12.40	173	4643	0.629	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	327805	34.929	ug/l #	100
77) Bromobenzene	12.55	156	30912	2.619	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.73	105	17613	0.463	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	327805	116.646	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	25600	0.671	ug/l	98
93) 1,2,4-Trichlorobenzene	14.90	180	225	2.849	ug/l	60
95) Naphthalene	15.13	128	36894	4.928	ug/l	98

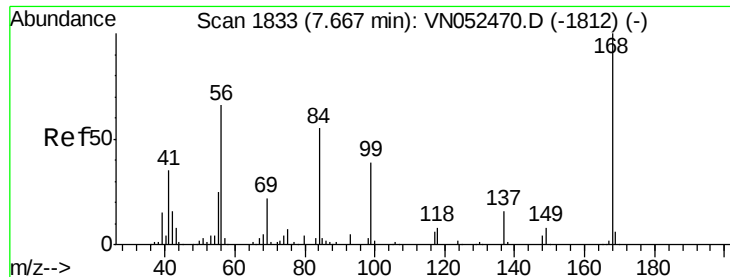
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120518\
Data File : VN052684.D
Acq On : 5 Dec 2018 18:40
Operator : MD\SY
Sample : J6233-04RE
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
SB-2RE

Quant Time: Dec 06 04:30:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052684.D

Acq: 5 Dec 2018 18:40

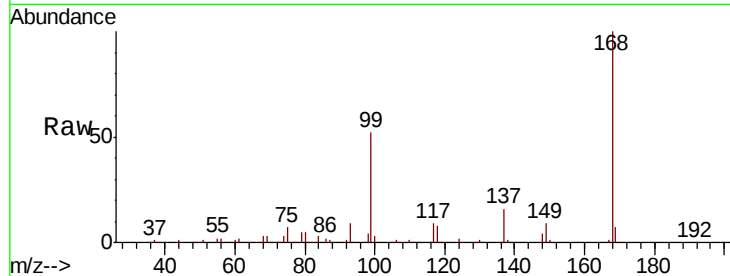
Instrument :
MSVOA_N
ClientSampled :
SB-2RE

Tot Ion:168 Resp: 1142722

Ion Ratio Lower Upper

168 100

99 52.0 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

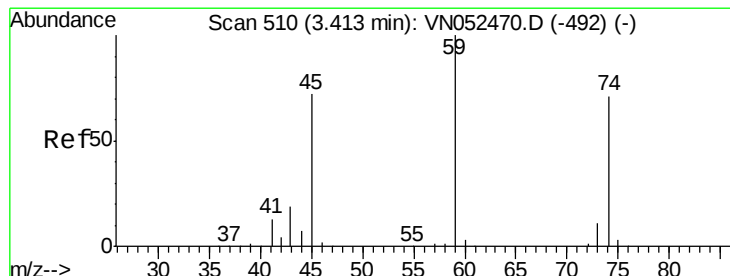
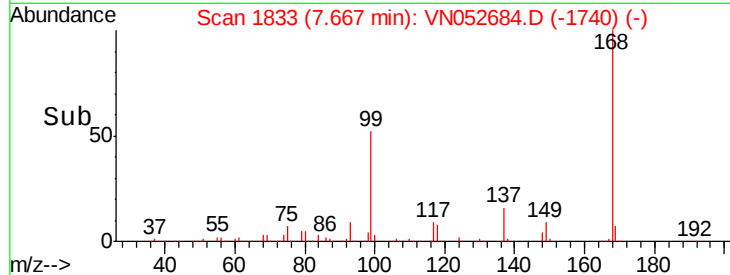
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.326 ug/l

RT: 3.42 min Scan# 513

Delta R.T. 0.01 min

Lab File: VN052684.D

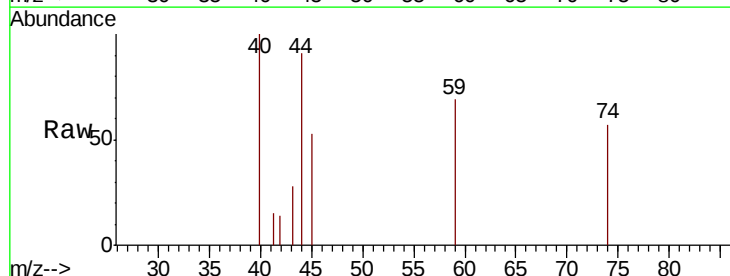
Acq: 5 Dec 2018 18:40

Tgt Ion: 74 Resp: 2143

Ion Ratio Lower Upper

74 100

45 56.2 50.4 151.3



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

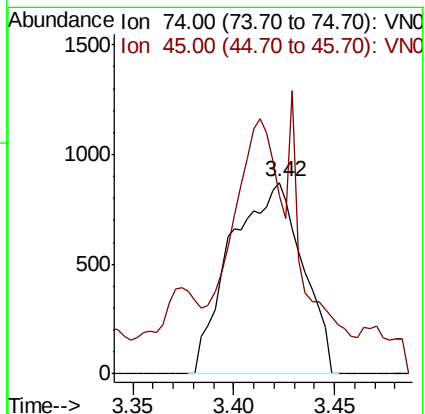
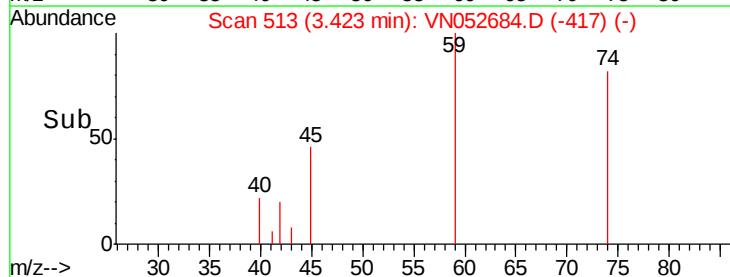
1500

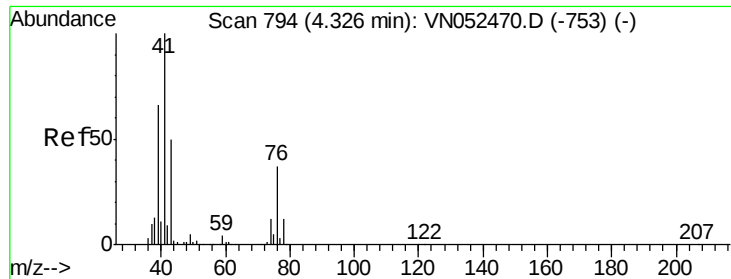
1000

500

0

Time-->

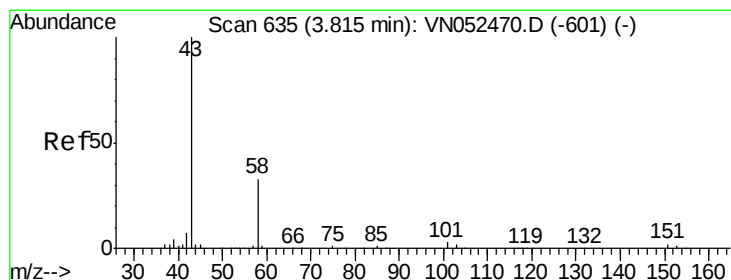
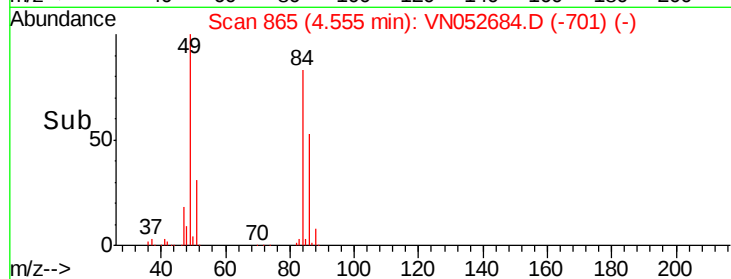
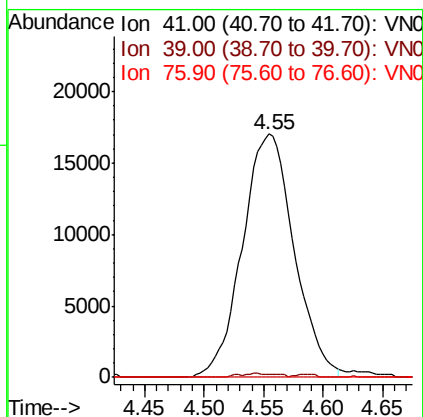
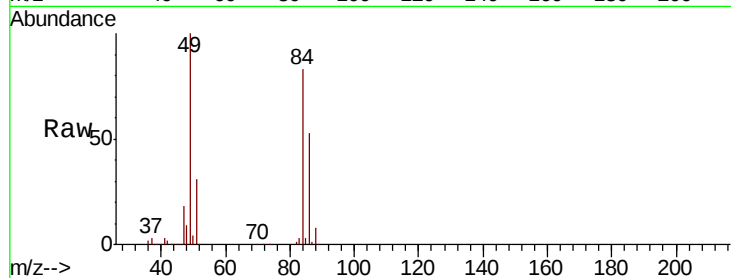




#14
Allvl chloride
Concen: 2.779 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.23 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

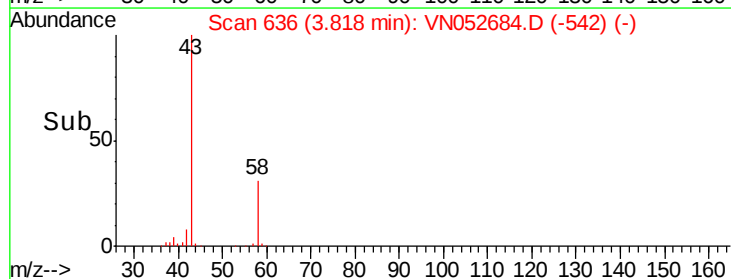
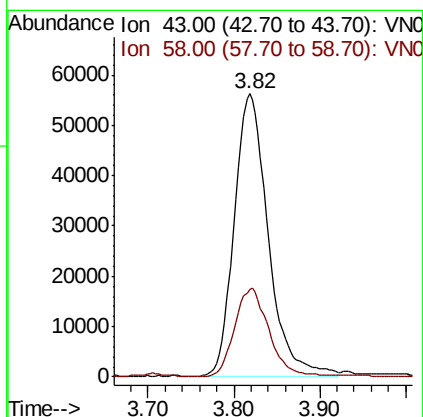
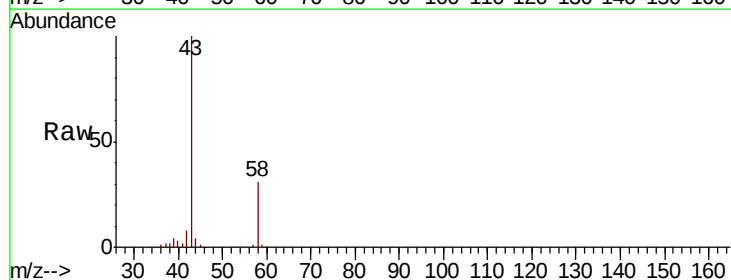
Instrument :
MSVOA_N
ClientSampled :
SB-2RE

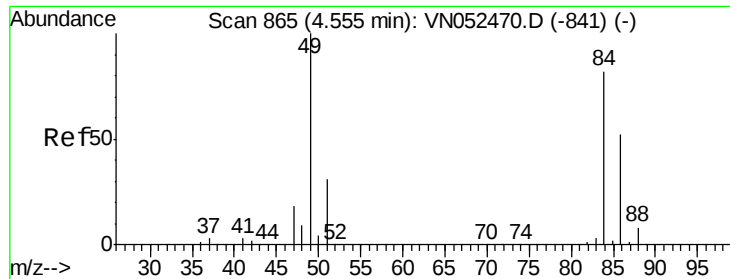
Tot Ion: 41 Resp: 51267
Ion Ratio Lower Upper
41 100
39 0.3 50.6 76.0#
76 0.0 27.4 41.2#



#16
Acetone
Concen: 47.345 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

Tgt Ion: 43 Resp: 155373
Ion Ratio Lower Upper
43 100
58 31.0 26.0 39.0



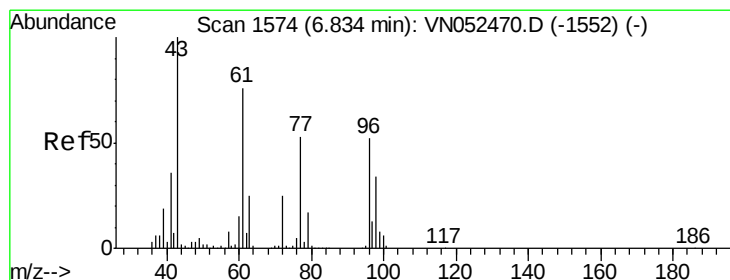
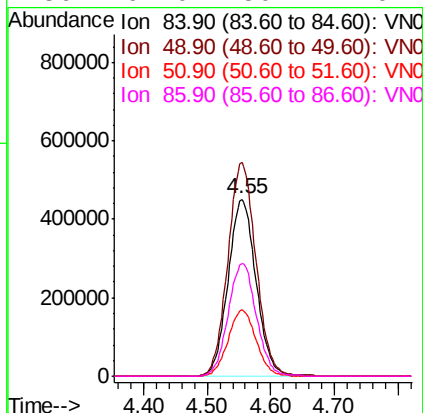
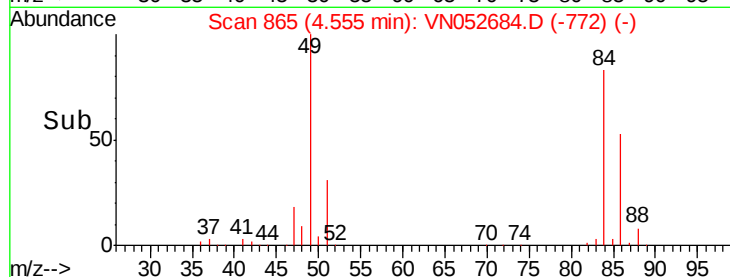
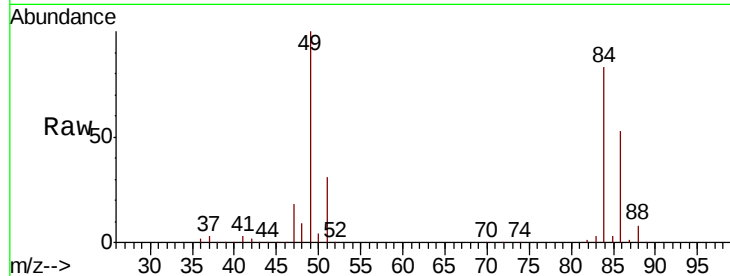


#20
Methvlene Chloride
Concen: 107.546 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

Instrument :
MSVOA_N
ClientSampled :
SB-2RE

Tot Ion: 84 Resp: 1381143

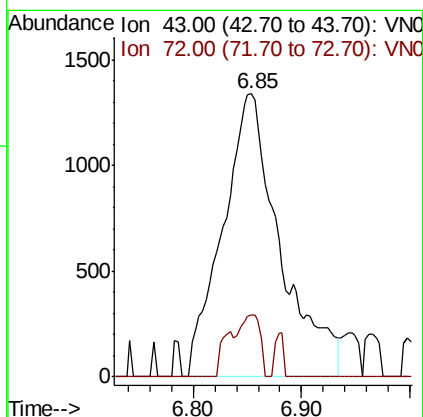
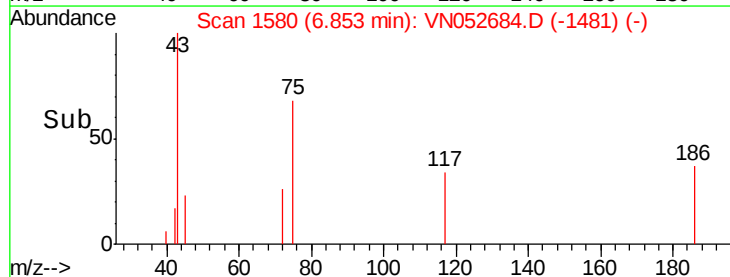
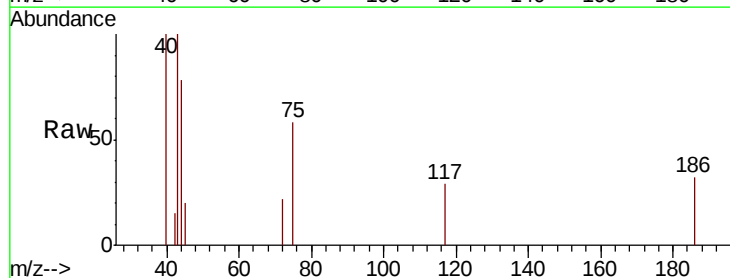
Ion	Ratio	Lower	Upper
84	100		
49	120.7	98.0	147.0
51	37.5	30.1	45.1
86	64.0	50.7	76.1

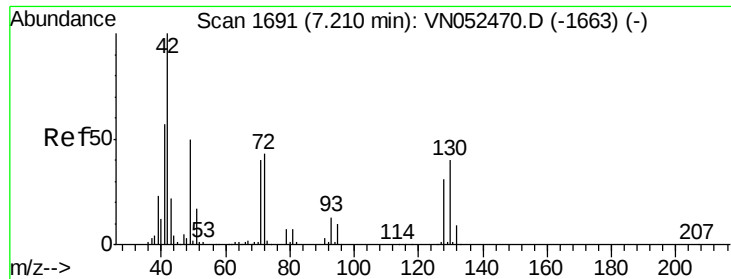


#25
2-Butanone
Concen: 1.066 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

Tgt Ion: 43 Resp: 4957

Ion	Ratio	Lower	Upper
43	100		
72	22.0	20.1	30.1

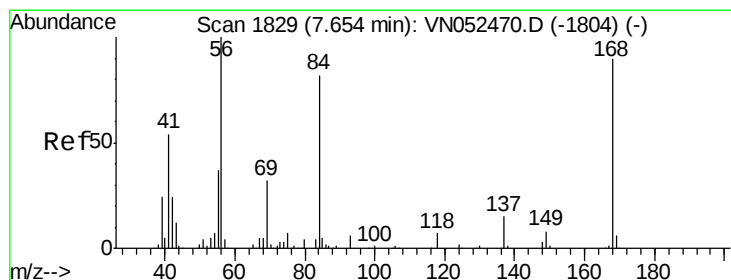
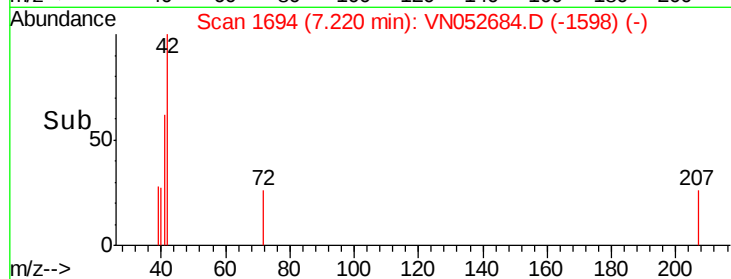
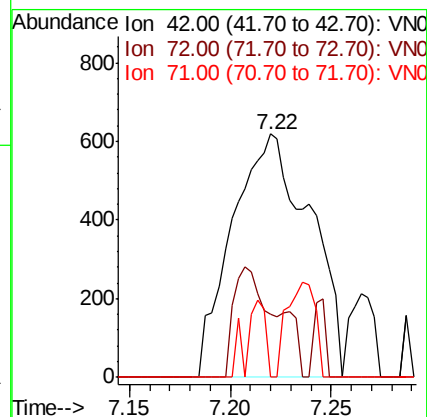
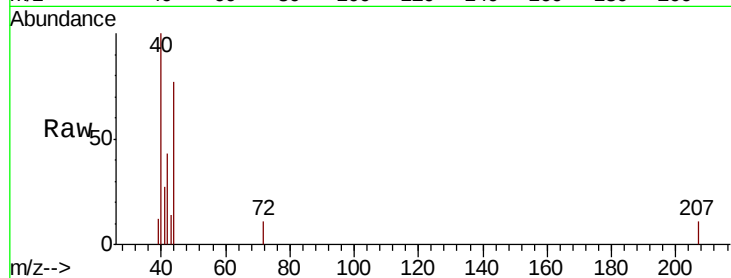




#29
Tetrahydrofuran
Concen: 0.551 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

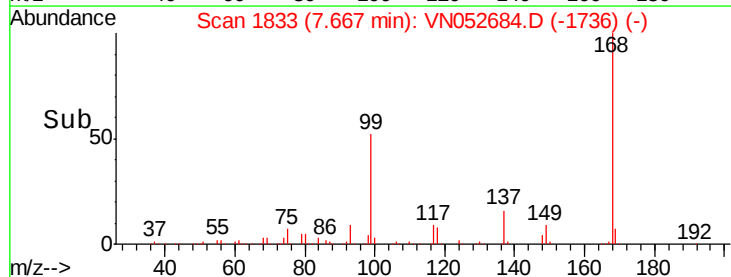
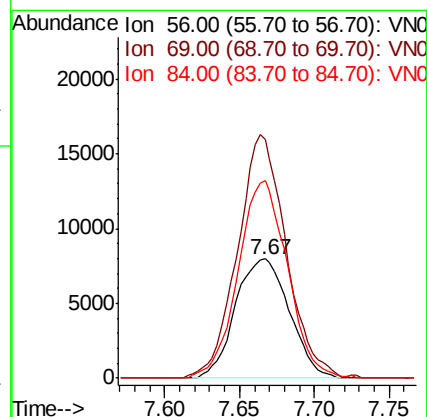
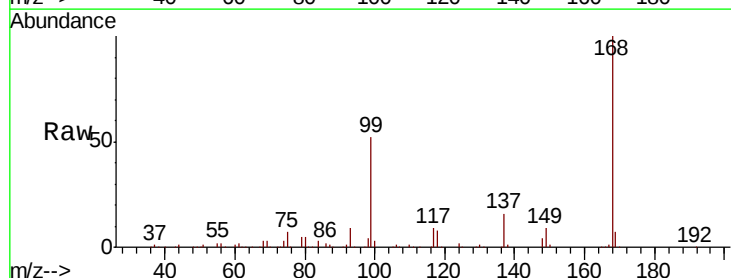
Instrument :
MSVOA_N
ClientSampleId :
SB-2RE

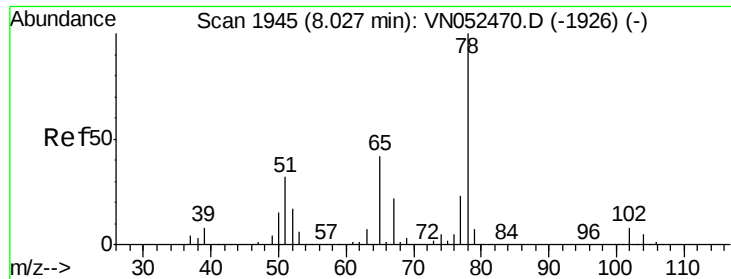
Tot Ion: 42 Resp: 1654
Ion Ratio Lower Upper
42 100
72 19.6 33.3 49.9#
71 7.9 32.0 48.0#



#31
Cyclohexane
Concen: 0.569 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

Tgt Ion: 56 Resp: 19925
Ion Ratio Lower Upper
56 100
69 199.5 25.8 38.6#
84 163.6 65.3 97.9#

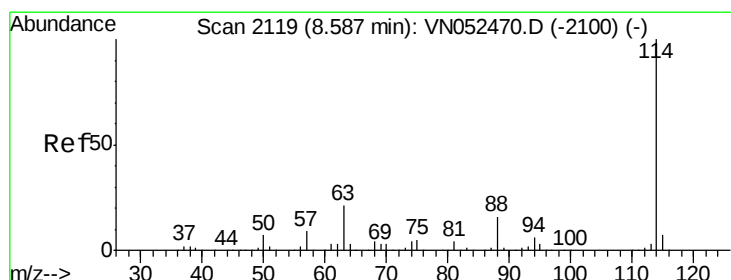
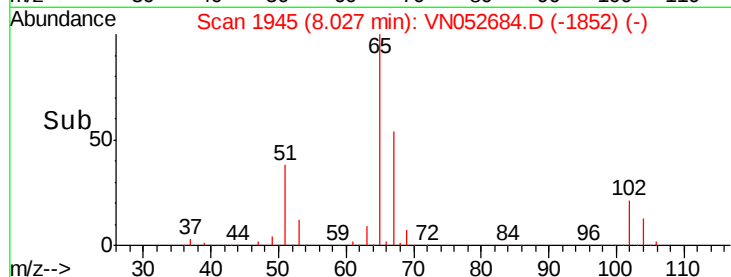
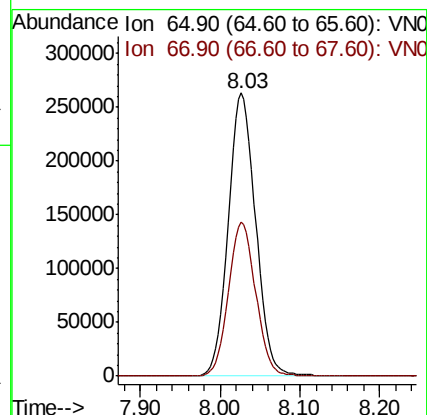
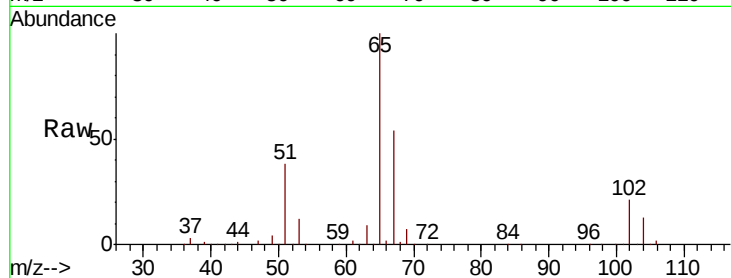




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052684.D
 Acq: 5 Dec 2018 18:40

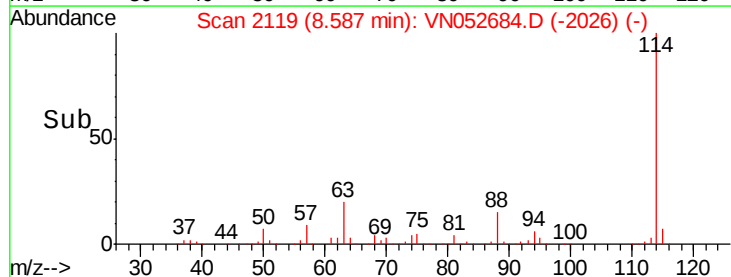
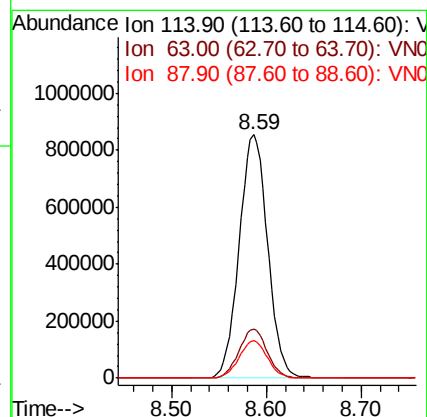
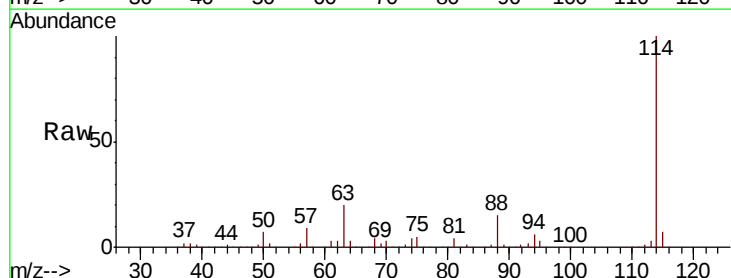
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-2RE

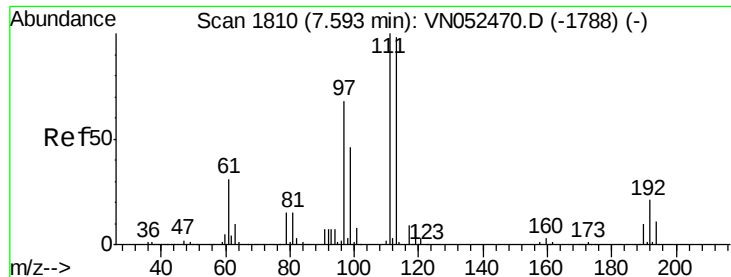
Tot Ion: 65 Resp: 616428
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052684.D
 Acq: 5 Dec 2018 18:40

Tgt Ion: 114 Resp: 1785078
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.4 0.0 31.6

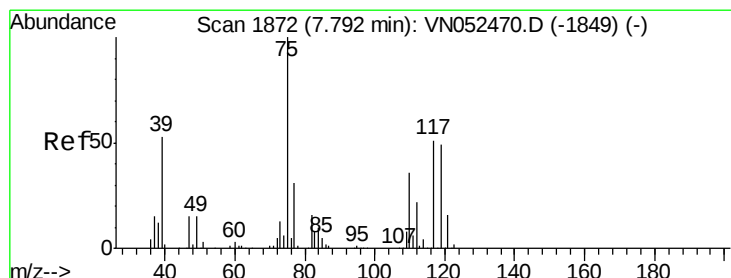
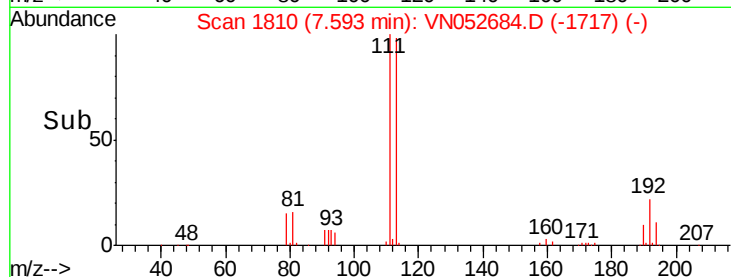
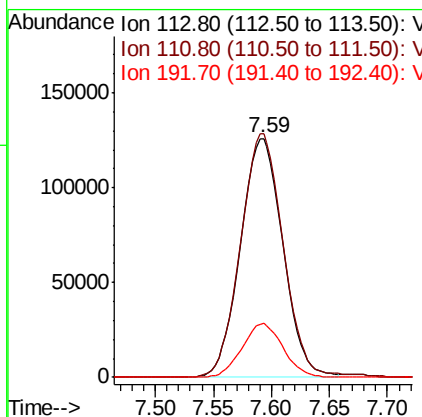
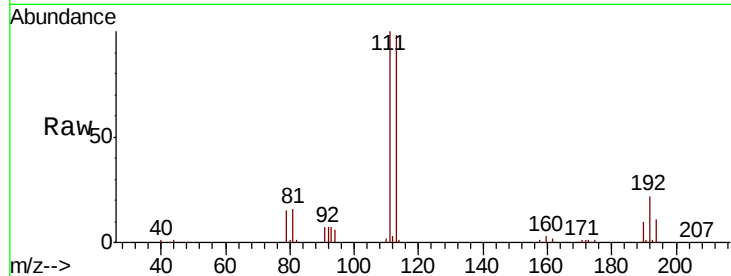




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

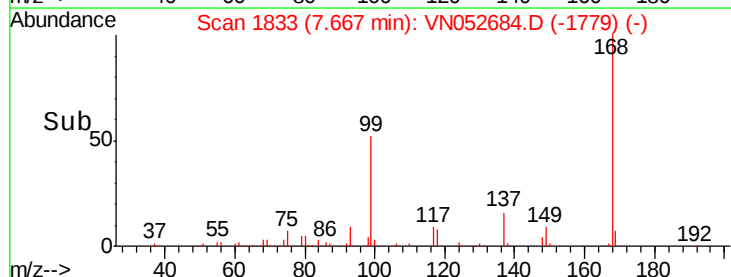
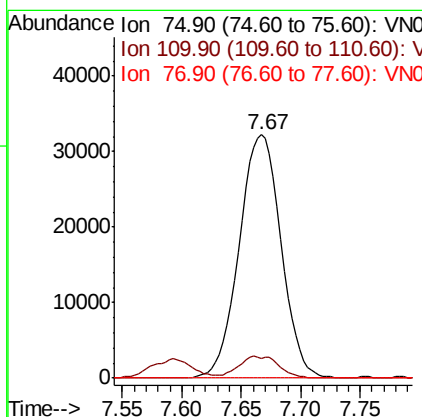
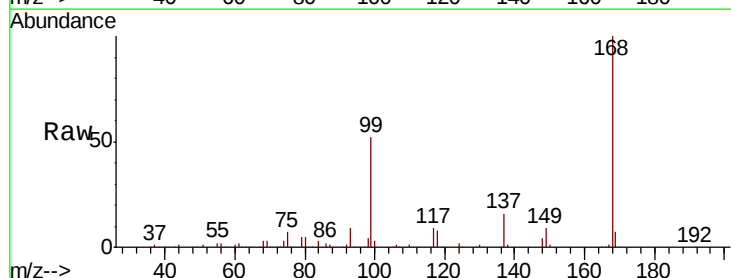
Instrument :
MSVOA_N
ClientSampleId :
SB-2RE

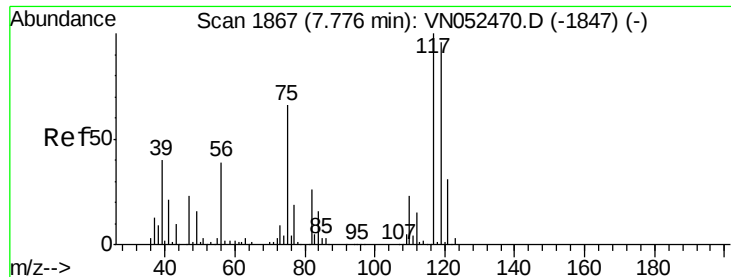
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.0	123.0
192	21.9	17.0	25.6



#36
1,1-Dichloropropene
Concen: 4.656 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.0	17.5	52.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.640 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052684.D

Acq: 5 Dec 2018 18:40

Instrument :

MSVOA_N

ClientSampled :

SB-2RE

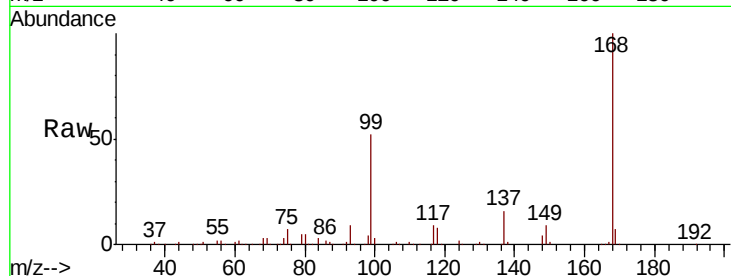
Tot Ion:117 Resp: 101327

Ion Ratio Lower Upper

117 100

119 4.8 76.8 115.2#

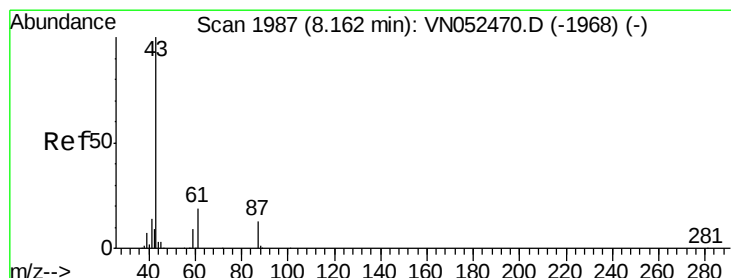
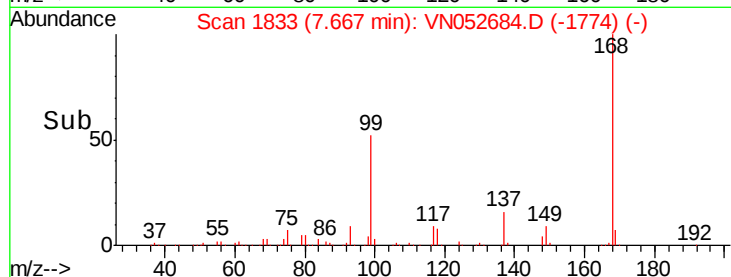
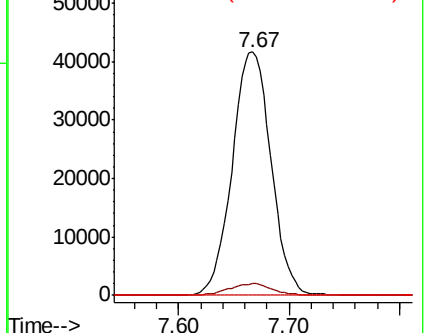
121 0.0 24.9 37.3#



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: 2.111 ug/l

RT: 8.24 min Scan# 2011

Delta R.T. 0.08 min

Lab File: VN052684.D

Acq: 5 Dec 2018 18:40

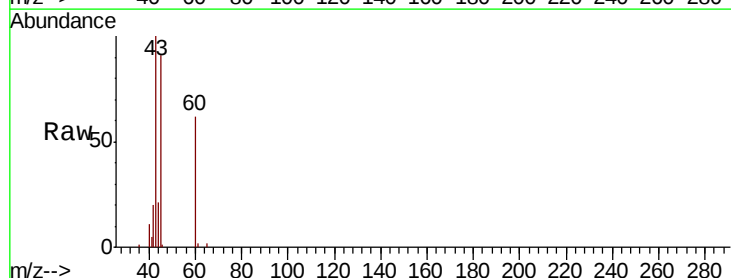
Tgt Ion: 43 Resp: 36754

Ion Ratio Lower Upper

43 100

61 1.1 24.1 36.1#

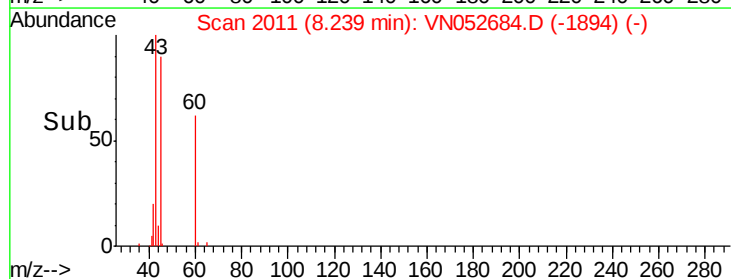
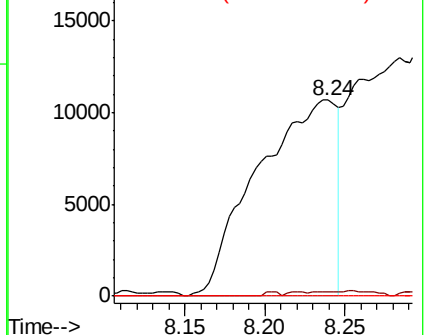
87 0.0 10.6 15.8#

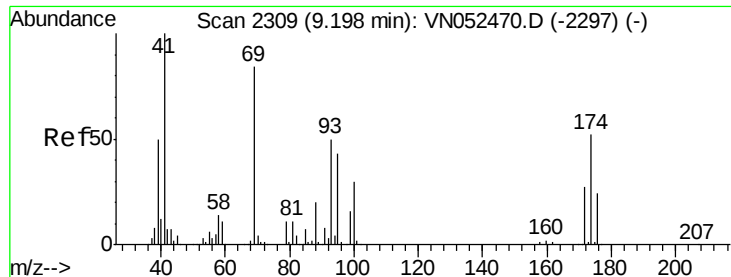


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

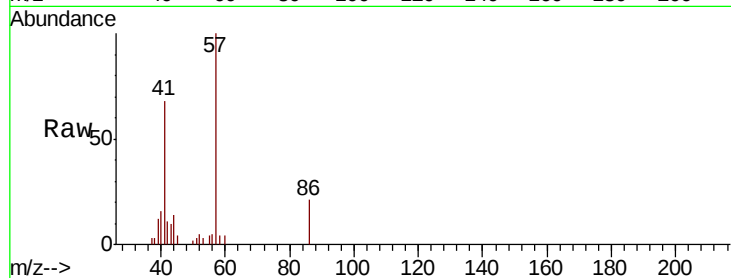




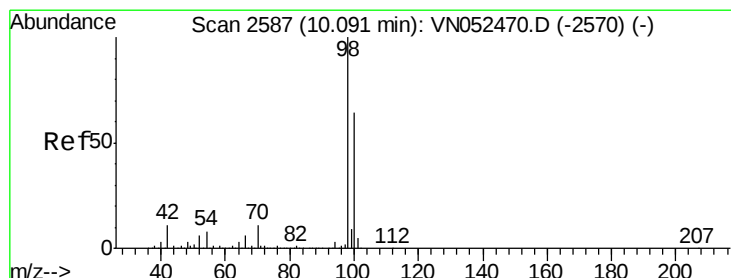
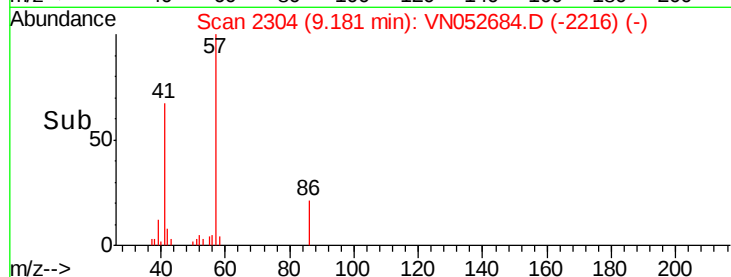
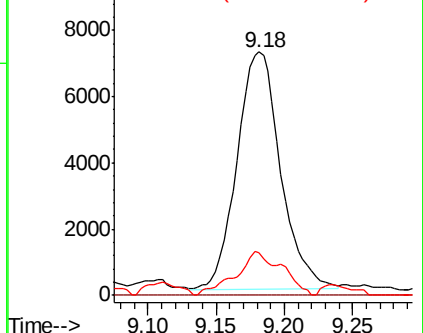
#48
Methvl methacrylate
Concen: 1.762 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

Instrument :
MSVOA_N
ClientSampleId :
SB-2RE

Tot Ion: 41 Resp: 15994
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 19.3 42.6 64.0#

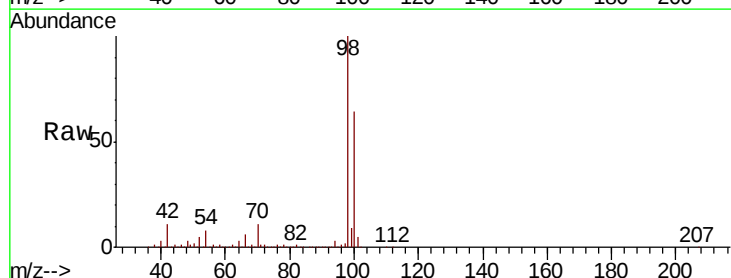


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

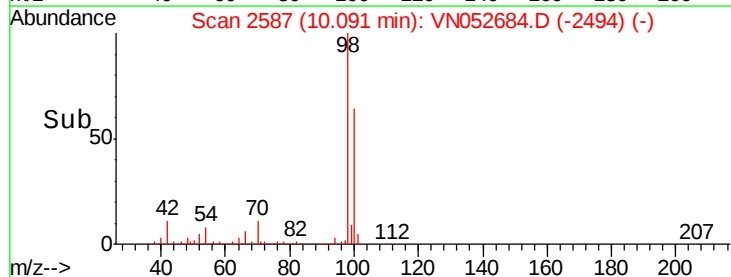
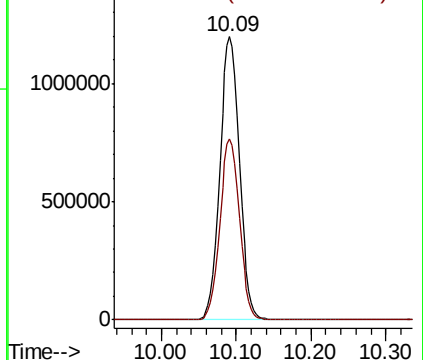


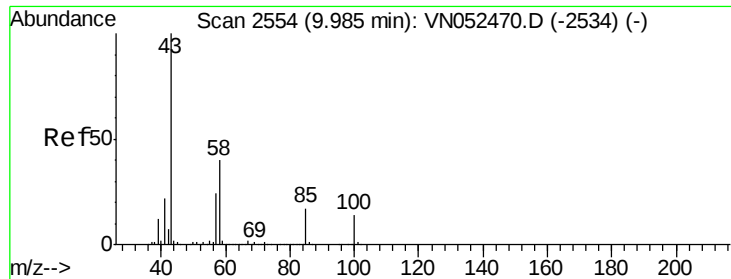
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

Tgt Ion: 98 Resp: 2165903
Ion Ratio Lower Upper
98 100
100 63.9 51.3 76.9



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: 0.602 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052684.D

Acq: 5 Dec 2018 18:40

Instrument :

MSVOA_N

ClientSampleId :

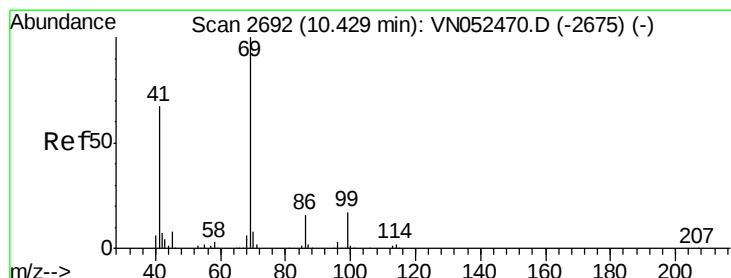
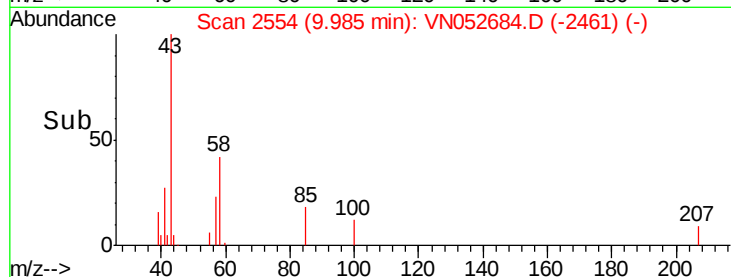
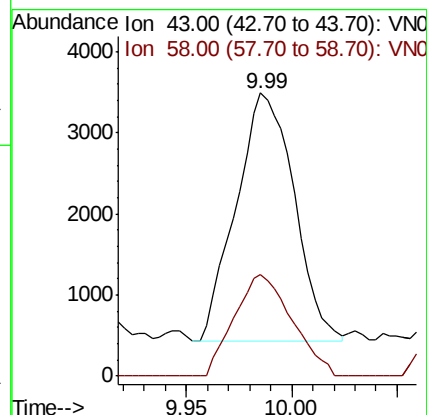
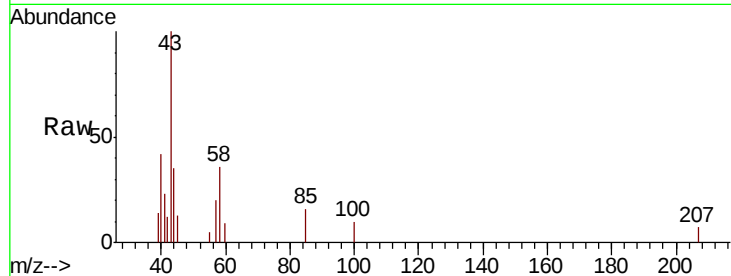
SB-2RE

Tot Ion: 43 Resp: 5880

Ion Ratio Lower Upper

43 100

58 40.6 31.5 47.3



#56

Ethyl methacrylate

Concen: 2.711 ug/l

RT: 10.64 min Scan# 2759

Delta R.T. 0.22 min

Lab File: VN052684.D

Acq: 5 Dec 2018 18:40

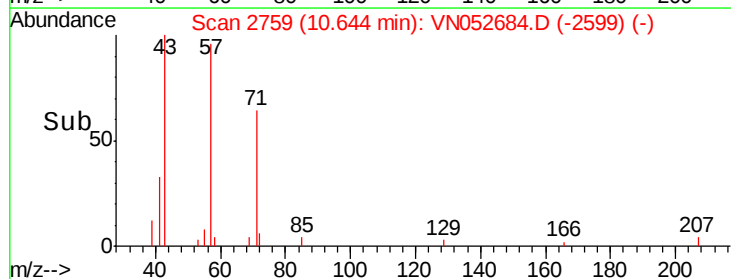
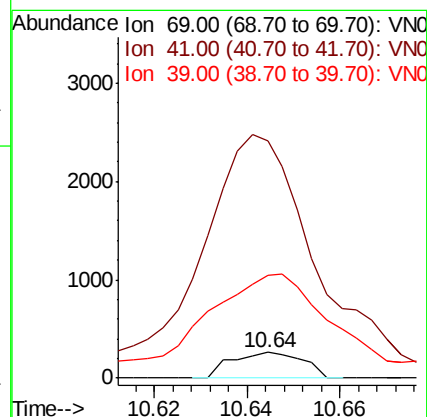
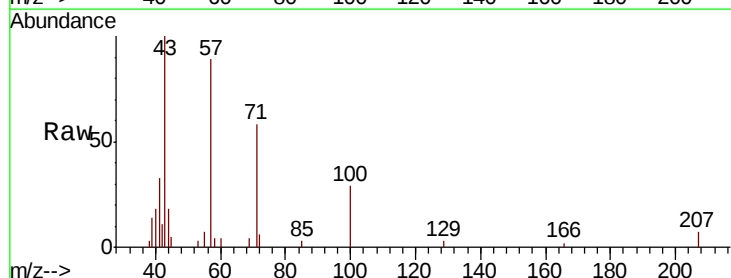
Tgt Ion: 69 Resp: 282

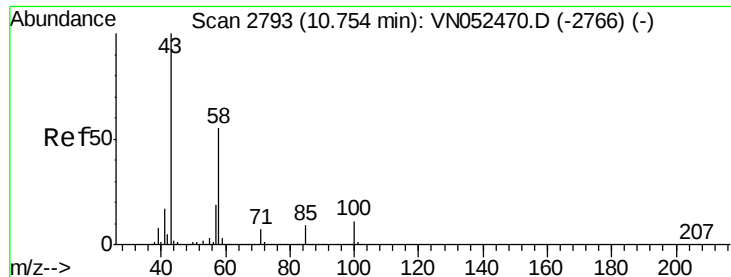
Ion Ratio Lower Upper

69 100

41 1568.4 52.6 79.0#

39 773.0 25.9 38.9#

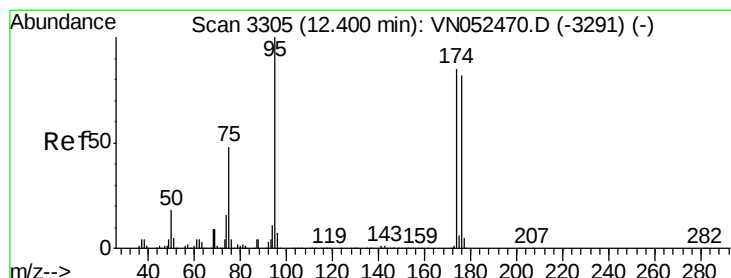
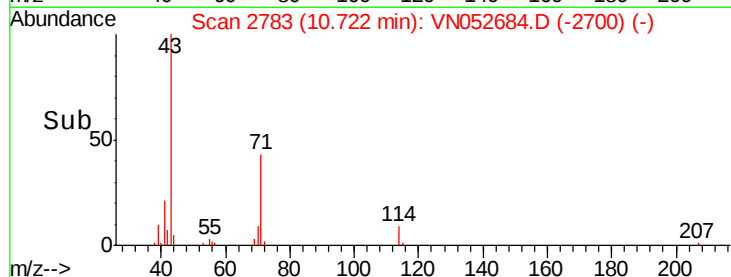
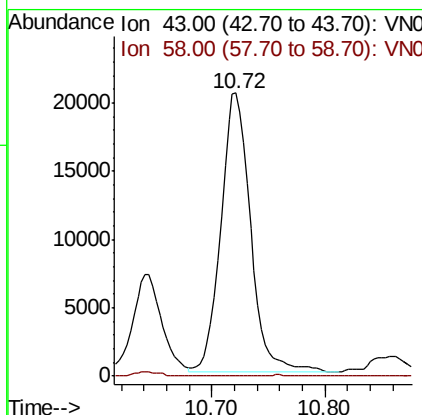
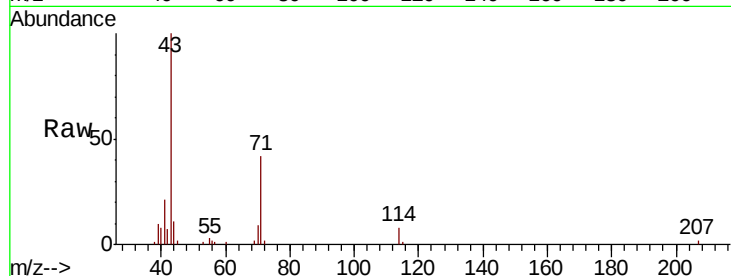




#59
2-Hexanone
Concen: 5.702 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.03 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

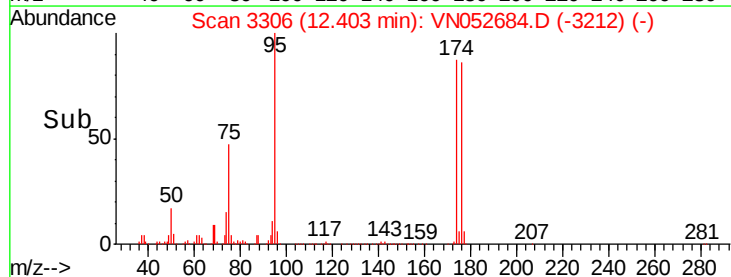
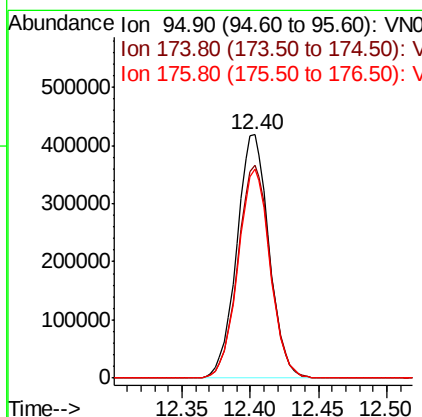
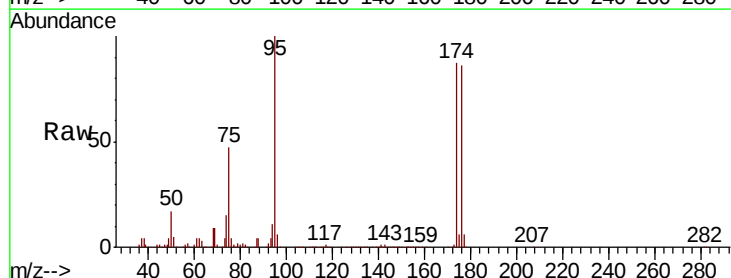
Instrument :
MSVOA_N
ClientSampleId :
SB-2RE

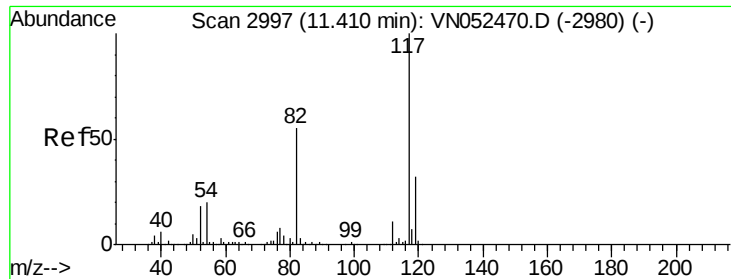
Tot Ion: 43 Resp: 37382
Ion Ratio Lower Upper
43 100
58 0.0 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

Tgt Ion: 95 Resp: 685831
Ion Ratio Lower Upper
95 100
174 88.4 0.0 173.0
176 85.6 0.0 166.2

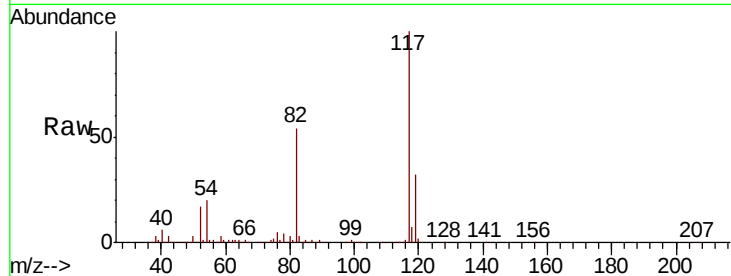




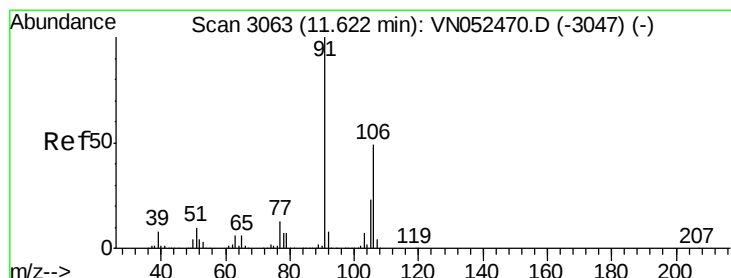
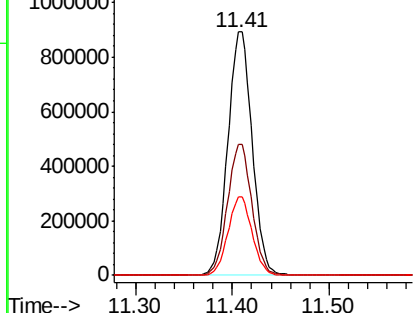
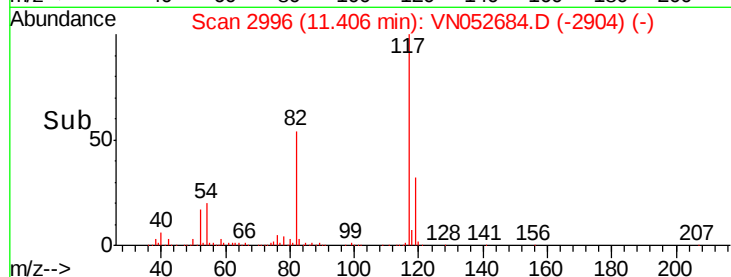
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

Instrument :
MSVOA_N
ClientSampled :
SB-2RE

Tot Ion:117 Resp: 1553860
Ion Ratio Lower Upper
117 100
82 53.9 43.6 65.4
119 32.3 25.4 38.2

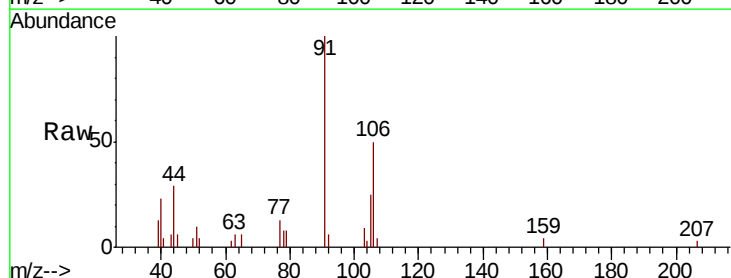


Abundance Ion 116.90 (116.60 to 117.60): V
1200000 Ion 82.00 (81.70 to 82.70): VN
1000000 Ion 118.90 (118.60 to 119.60): V

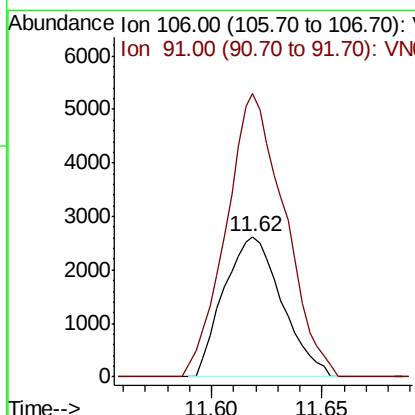
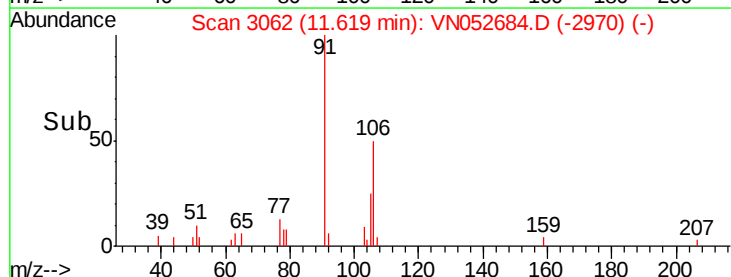


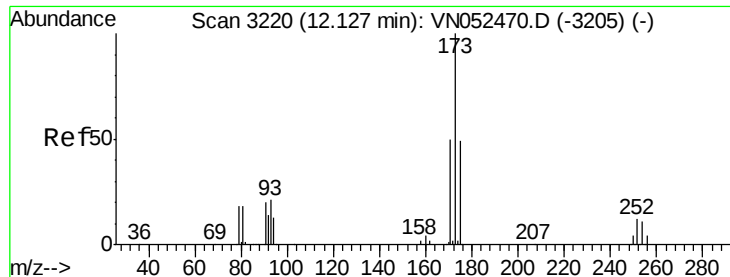
#68
m/p-Xylenes
Concen: 0.229 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

Tgt Ion:106 Resp: 4792
Ion Ratio Lower Upper
106 100
91 203.2 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): V
6000 Ion 91.00 (90.70 to 91.70): VN

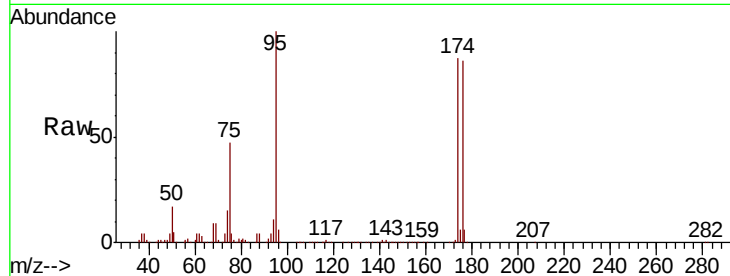




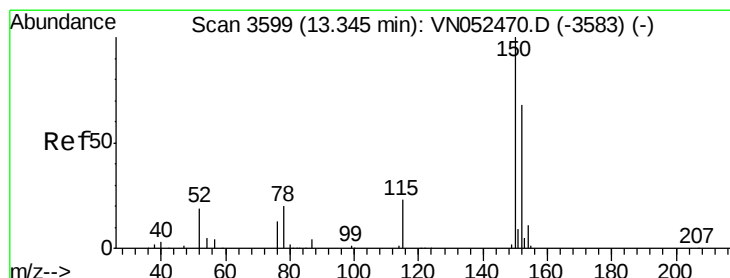
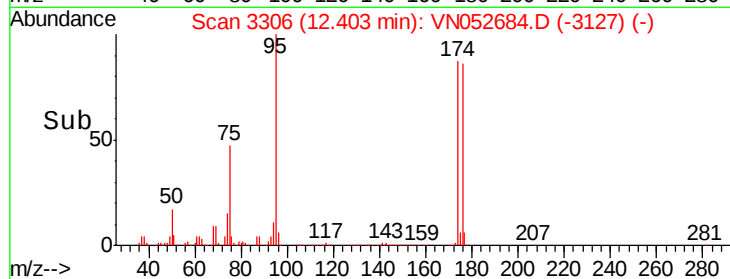
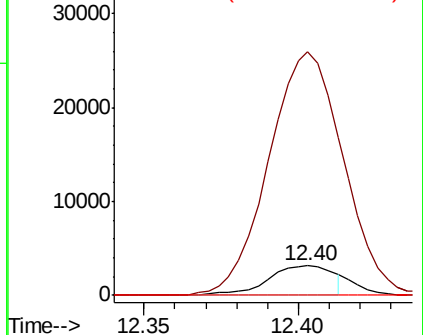
#71
Bromoform
Concen: 0.629 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

Instrument :
MSVOA_N
ClientSampleId :
SB-2RE

Tot Ion:173 Resp: 4643
Ion Ratio Lower Upper
173 100
175 801.6 24.4 73.2#
254 0.0 0.1 0.1#

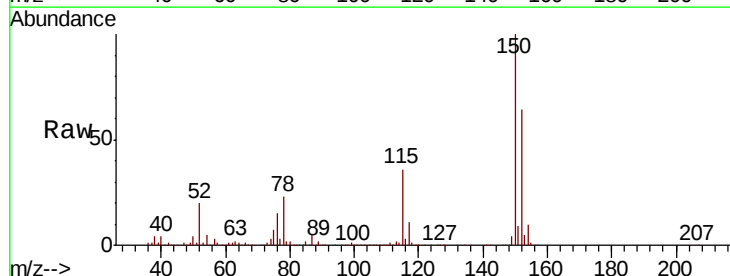


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

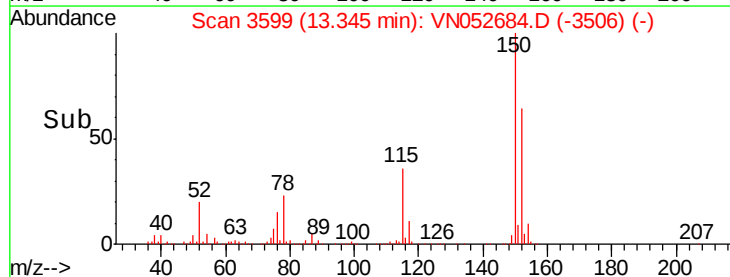
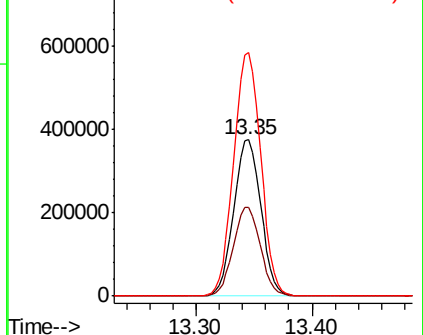


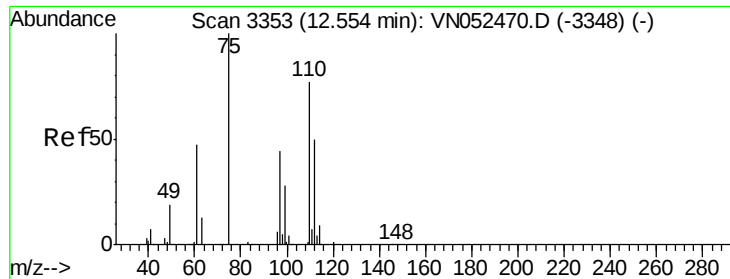
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

Tgt Ion:152 Resp: 608598
Ion Ratio Lower Upper
152 100
115 56.5 28.4 85.2
150 156.2 0.0 346.0



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

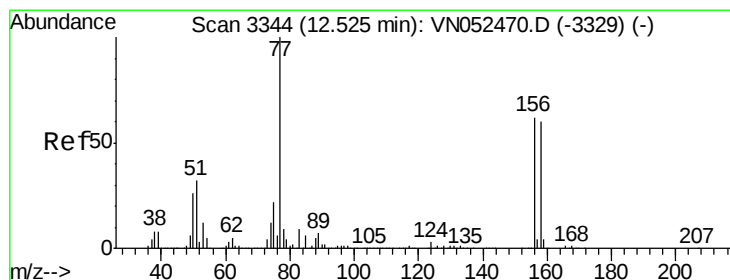
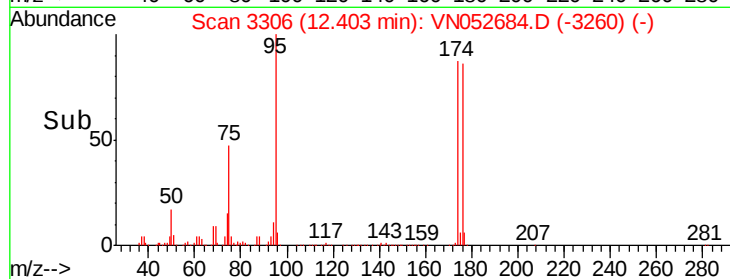
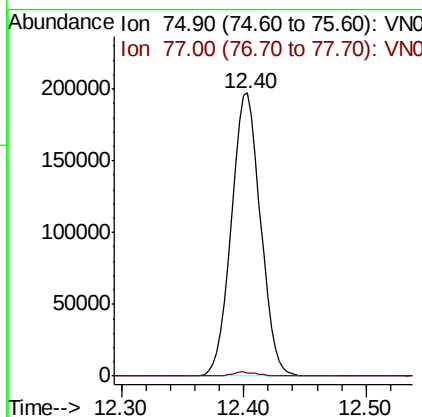
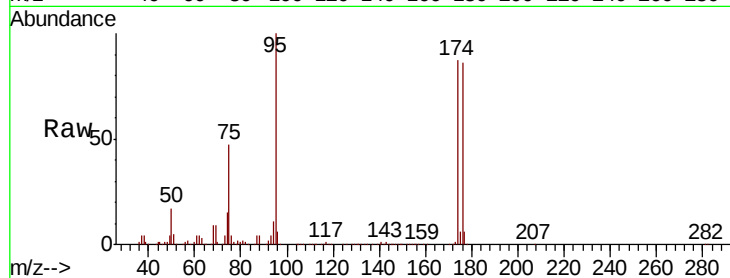




#76
 1,2,3-Trichloropropane
 Concen: 34.929 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN052684.D
 Acq: 5 Dec 2018 18:40

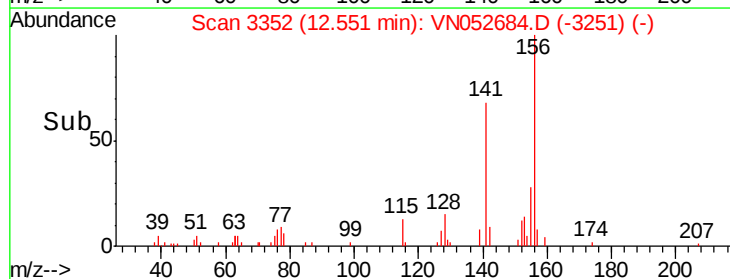
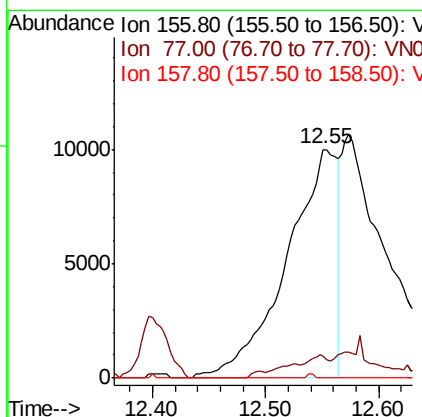
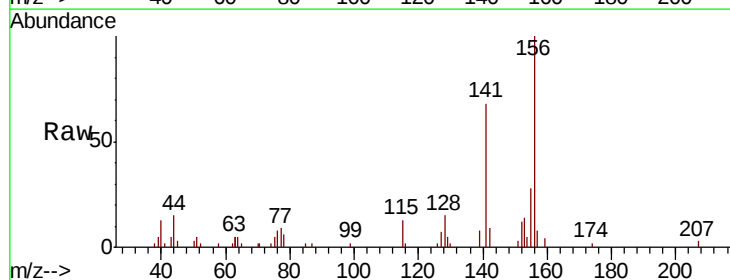
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-2RE

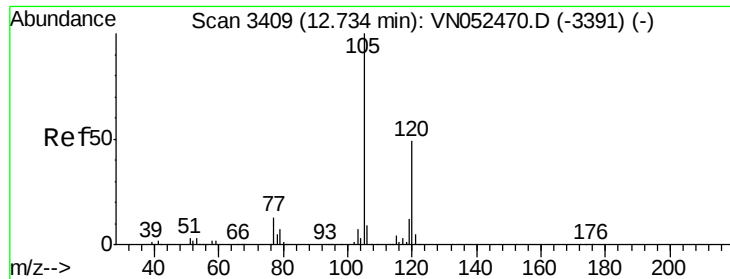
Tot Ion: 75 Resp: 327805
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#77
 Bromobenzene
 Concen: 2.619 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.03 min
 Lab File: VN052684.D
 Acq: 5 Dec 2018 18:40

Tgt Ion: 156 Resp: 30912
 Ion Ratio Lower Upper
 156 100
 77 3.5 93.5 280.4#
 158 0.2 48.3 144.9#





#80

1,3,5-Trimethylbenzene

Concen: 0.463 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052684.D

Acq: 5 Dec 2018 18:40

Instrument :

MSVOA_N

ClientSampleId :

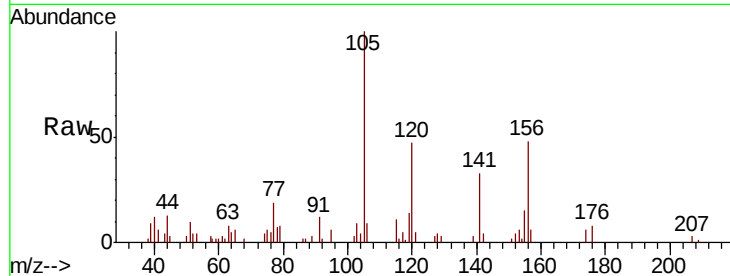
SB-2RE

Tot Ion:105 Resp: 17613

Ion Ratio Lower Upper

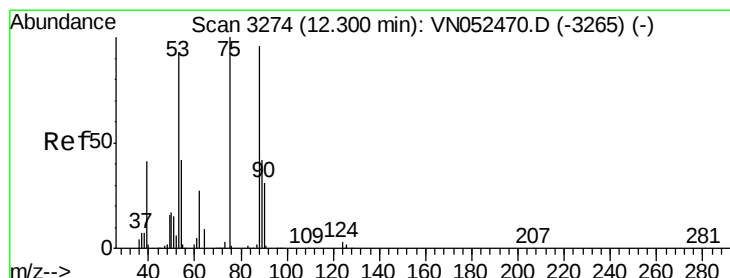
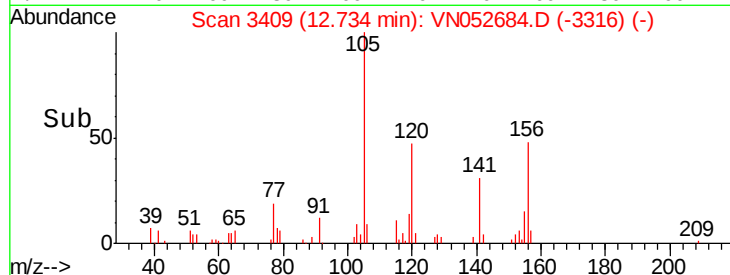
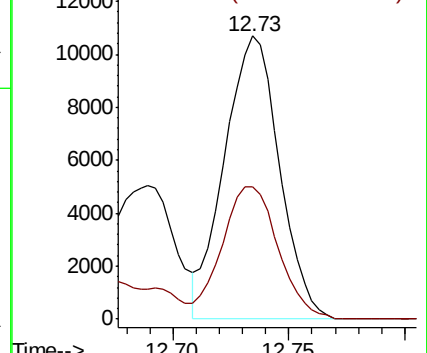
105 100

120 48.3 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 116.646 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052684.D

Acq: 5 Dec 2018 18:40

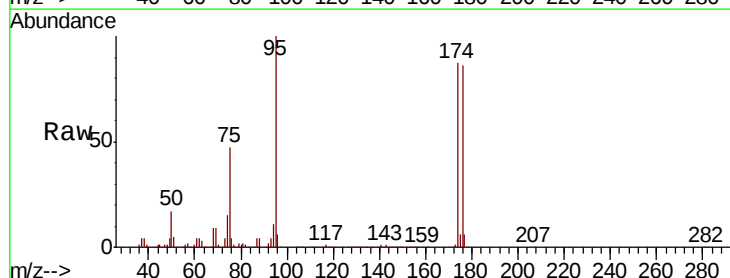
Tgt Ion: 75 Resp: 327805

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

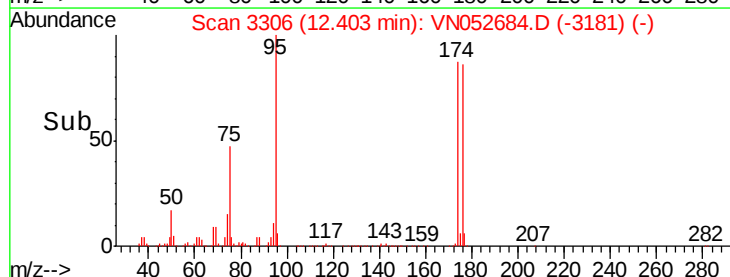
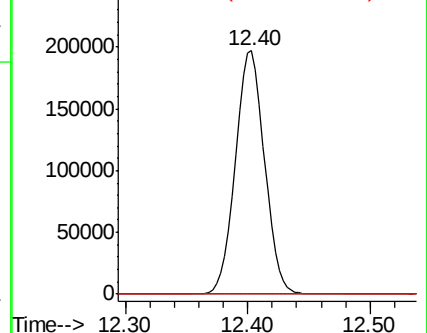
89 0.0 35.4 53.2#

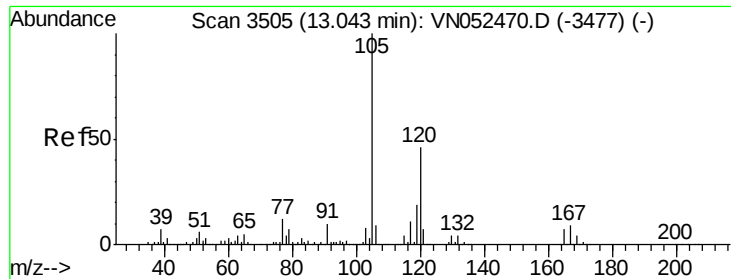


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

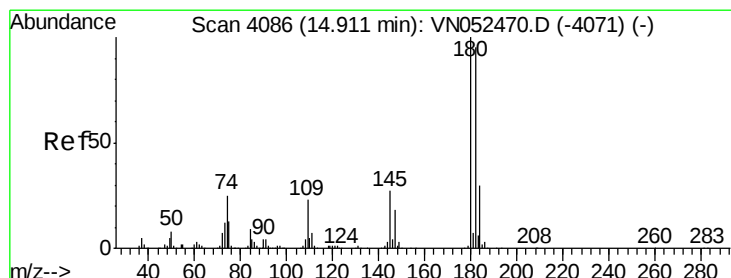
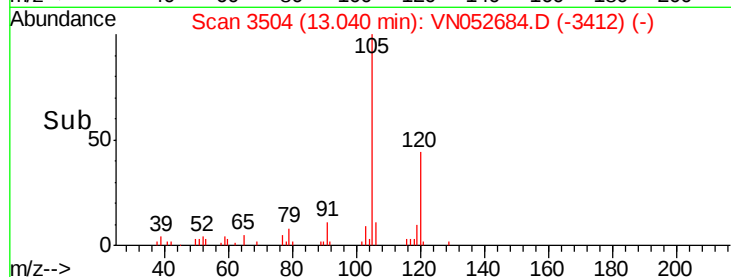
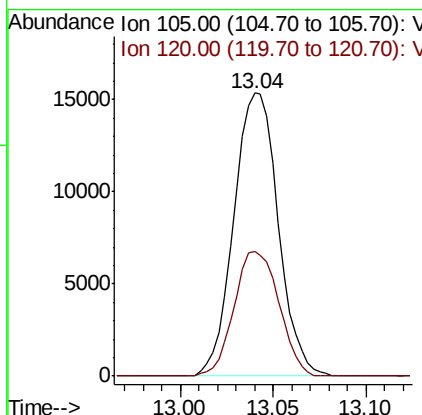
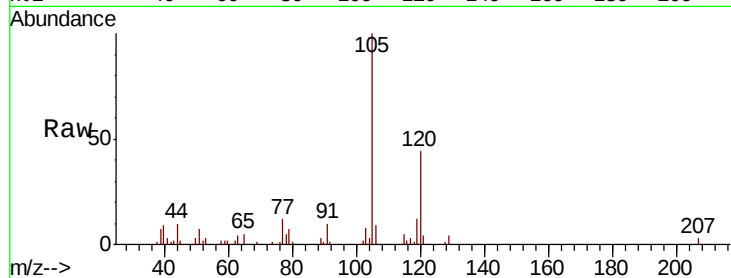




#84
 1,2,4-Trimethylbenzene
 Concen: 0.671 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052684.D
 Acq: 5 Dec 2018 18:40

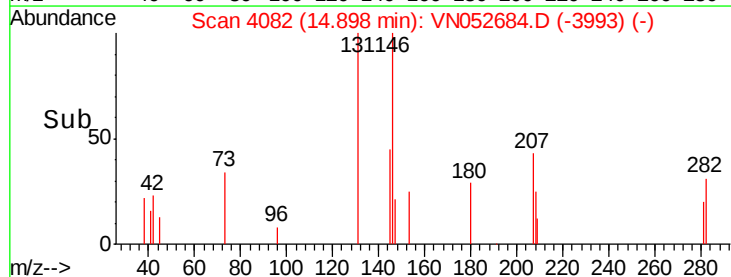
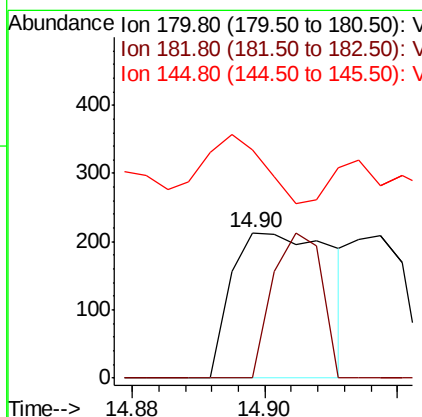
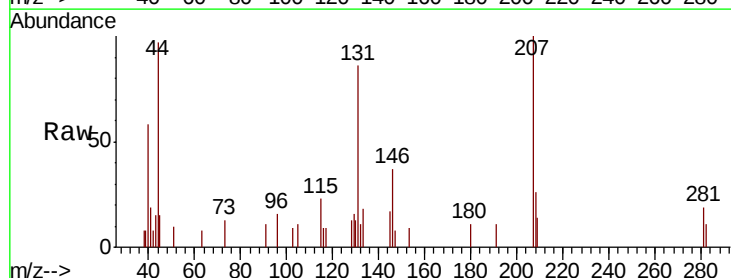
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-2RE

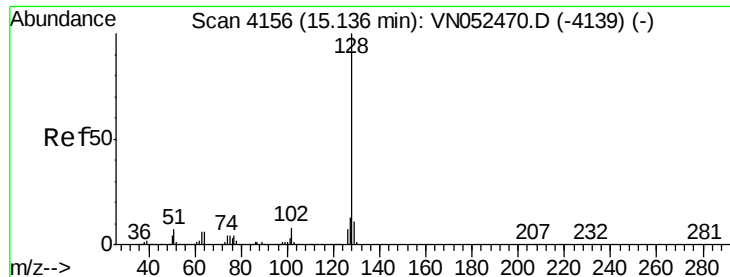
Tot Ion:105 Resp: 25600
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.8 68.4



#93
 1,2,4-Trichlorobenzene
 Concen: 2.849 ug/l
 RT: 14.90 min Scan# 4082
 Delta R.T. -0.01 min
 Lab File: VN052684.D
 Acq: 5 Dec 2018 18:40

Tgt Ion:180 Resp: 225
 Ion Ratio Lower Upper
 180 100
 182 48.0 47.8 143.4
 145 33.8 14.1 42.3





#95
Naphthalene
Concen: 4.928 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052684.D
Acq: 5 Dec 2018 18:40

Instrument :
MSVOA_N
ClientSampleId :
SB-2RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.2
129	12.0	8.7	13.1

