

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052697.D
 Acq On : 6 Dec 2018 14:07
 Operator : MD\SY
 Sample : PB115376ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 06:38:46 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	1132586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1767241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1547701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	558083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	608685	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	7.59	113	329236	30.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.44%	
50) Toluene-d8	10.09	98	2144535	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.40	95	653177	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	

Target Compounds

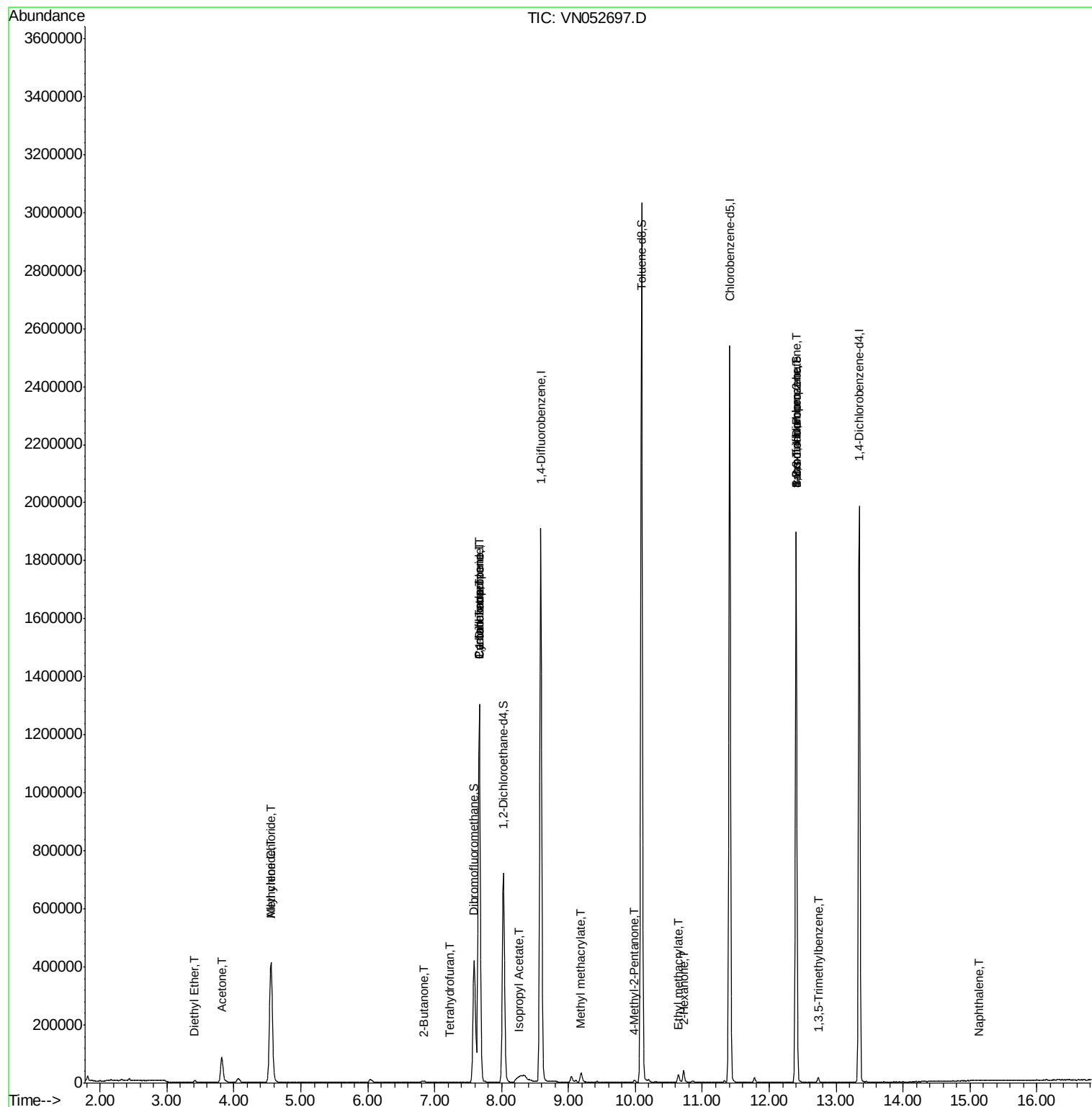
					Qvalue	
8) Diethyl Ether	3.41	74	2812	0.431	ug/l	86
14) Allyl chloride	4.56	41	12281	0.672	ug/l #	26
16) Acetone	3.82	43	155490	47.804	ug/l	99
20) Methylene Chloride	4.55	84	318764	25.043	ug/l	99
25) 2-Butanone	6.85	43	3562	0.773	ug/l #	76
29) Tetrahydrofuran	7.23	42	1719	0.578	ug/l #	50
31) Cyclohexane	7.66	56	18980	0.533	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	78250	4.689	ug/l #	49
38) Carbon Tetrachloride	7.67	117	101500	6.718	ug/l #	16
43) Isopropyl Acetate	8.25	43	18762	1.089	ug/l #	51
48) Methyl methacrylate	9.18	41	17193	1.913	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	5923	0.612	ug/l	97
56) Ethyl methacrylate	10.65	69	420	2.721	ug/l #	1
59) 2-Hexanone	10.72	43	35707	5.501	ug/l #	24
71) Bromoform	12.40	173	3883	0.528	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	320490	37.241	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7772	0.223	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	320490	124.366	ug/l #	11
95) Naphthalene	15.14	128	348	3.444	ug/l #	69

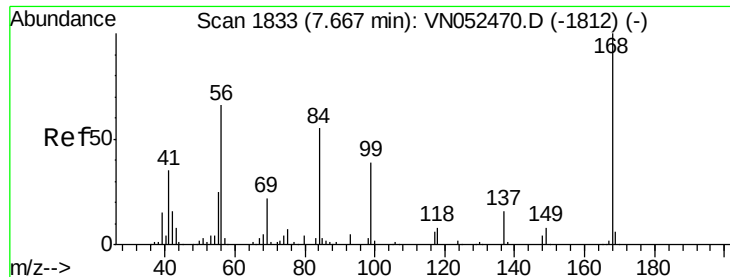
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052697.D

Acq: 6 Dec 2018 14:07

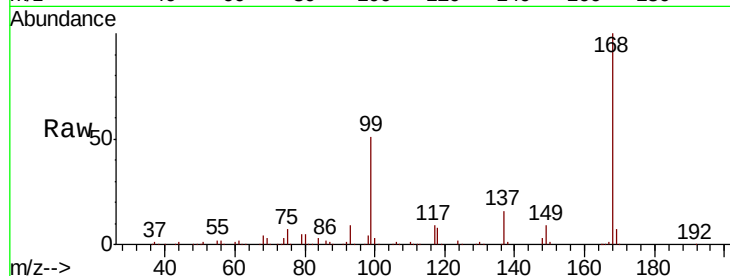
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1132586

Ion Ratio Lower Upper

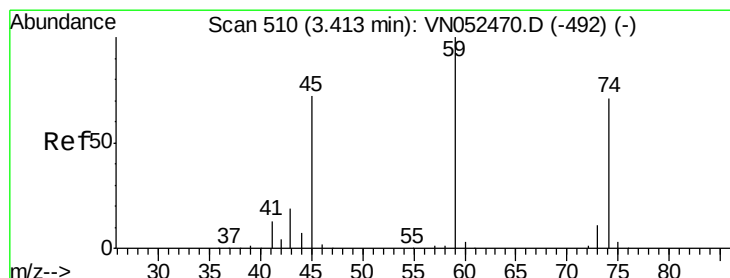
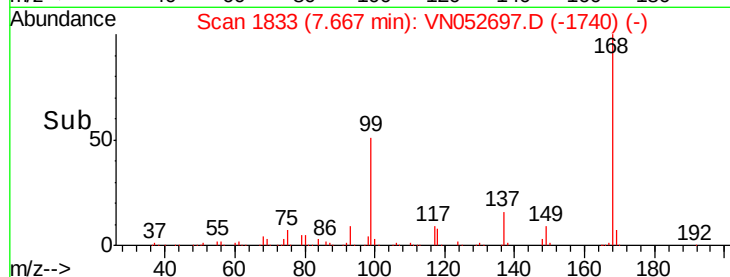
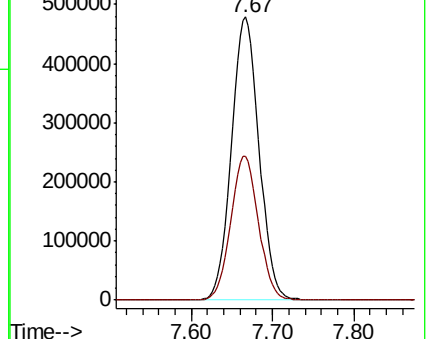
168 100

99 51.0 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 0.431 ug/l

RT: 3.41 min Scan# 510

Delta R.T. -0.00 min

Lab File: VN052697.D

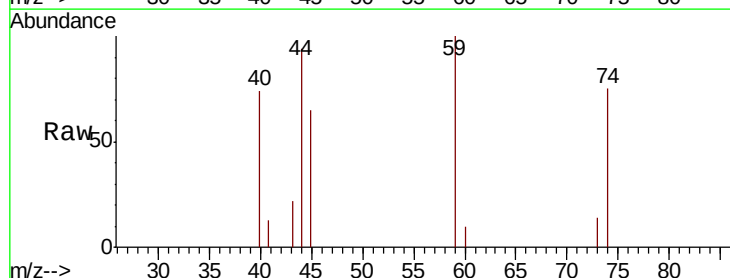
Acq: 6 Dec 2018 14:07

Tgt Ion: 74 Resp: 2812

Ion Ratio Lower Upper

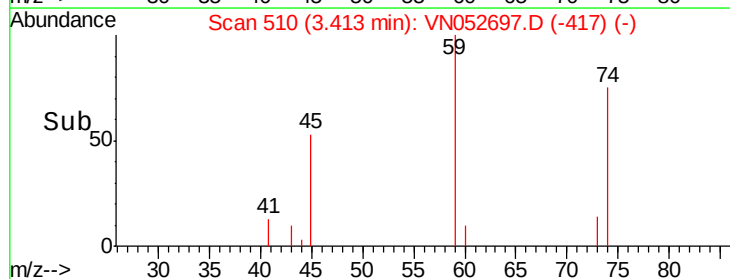
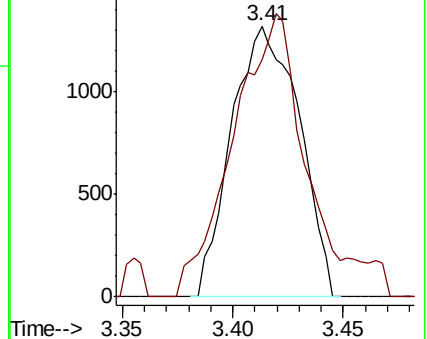
74 100

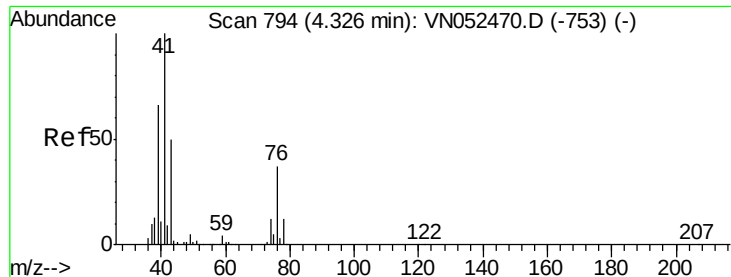
45 114.9 50.4 151.3



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

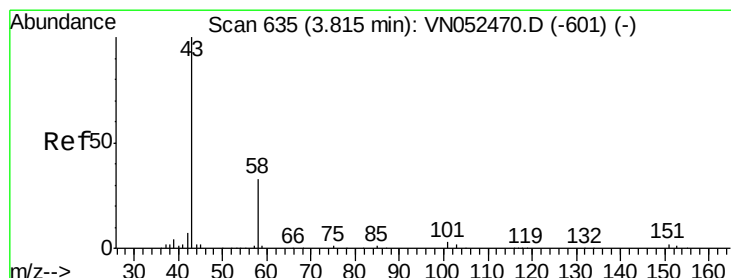
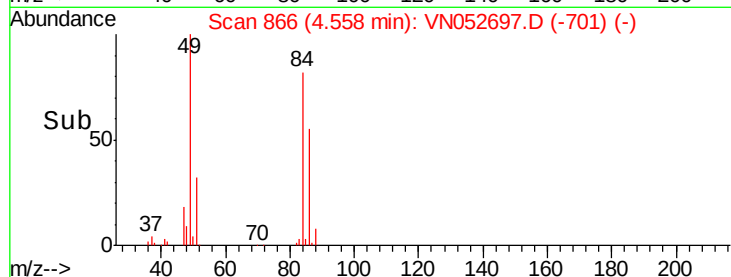
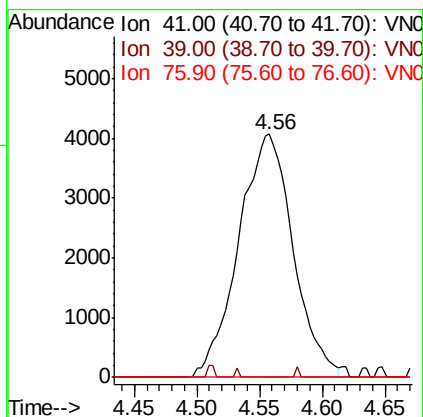
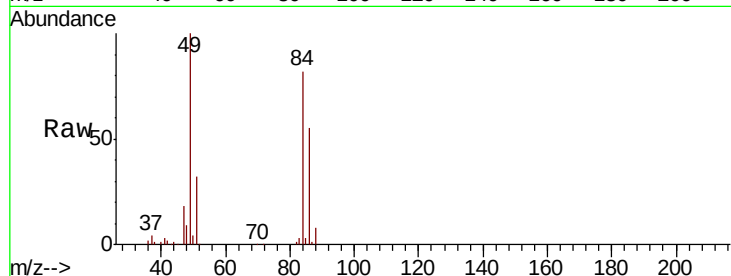




#14
Allvl chloride
Concen: 0.672 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.23 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

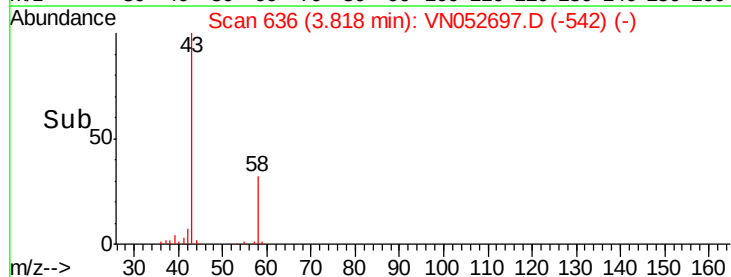
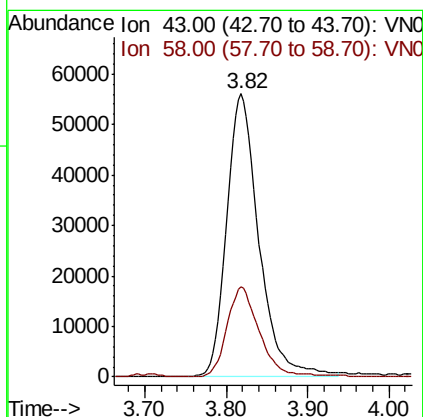
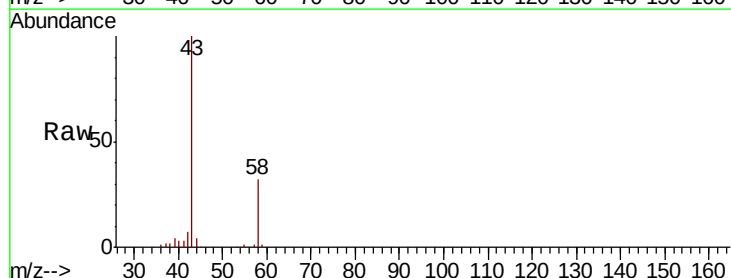
Instrument :
MSVOA_N
ClientSampled :

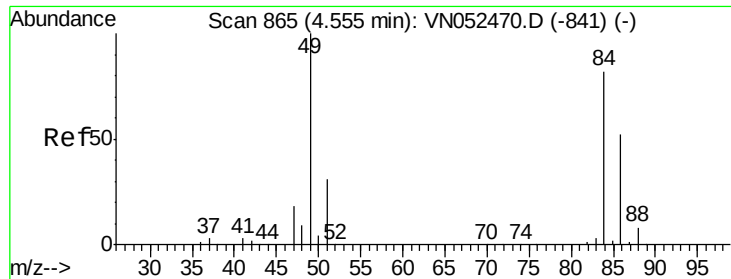
Tot Ion: 41 Resp: 12281
Ion Ratio Lower Upper
41 100
39 0.0 50.6 76.0#
76 0.0 27.4 41.2#



#16
Acetone
Concen: 47.804 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

Tgt Ion: 43 Resp: 155490
Ion Ratio Lower Upper
43 100
58 31.9 26.0 39.0

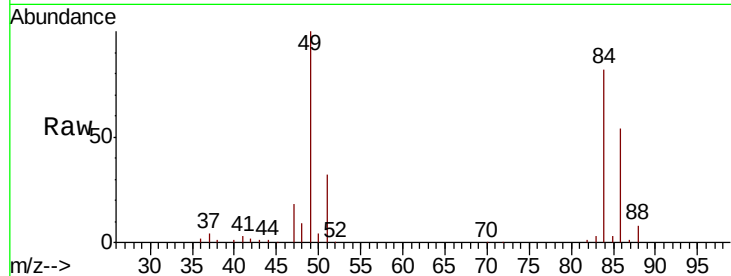




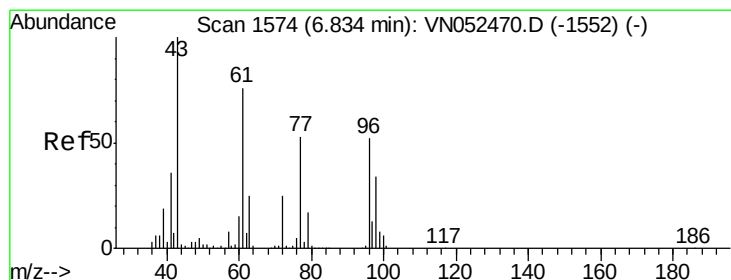
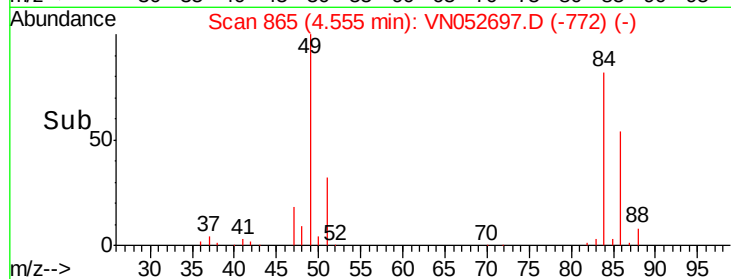
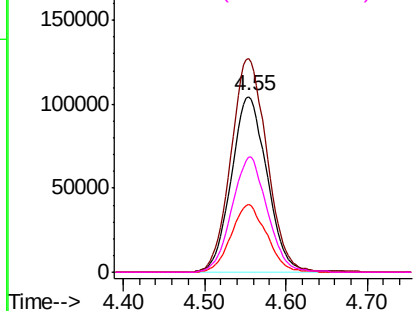
#20
Methvlene Chloride
Concen: 25.043 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 318764
Ion Ratio Lower Upper
84 100
49 121.6 98.0 147.0
51 38.5 30.1 45.1
86 65.3 50.7 76.1

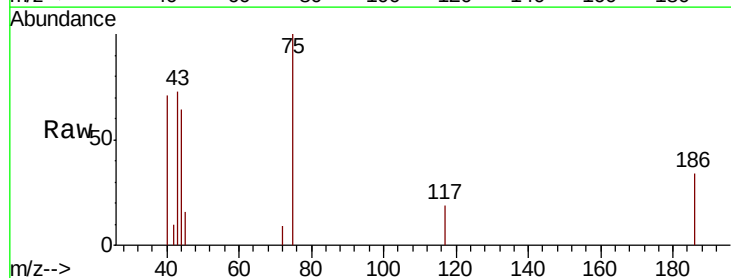


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

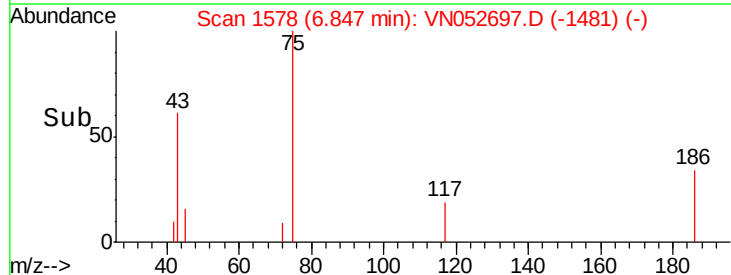
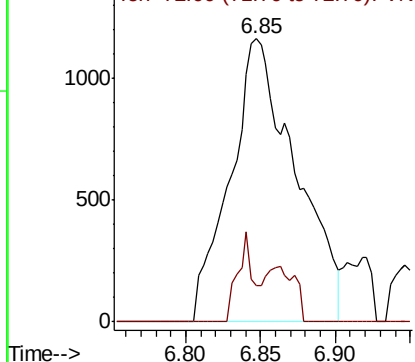


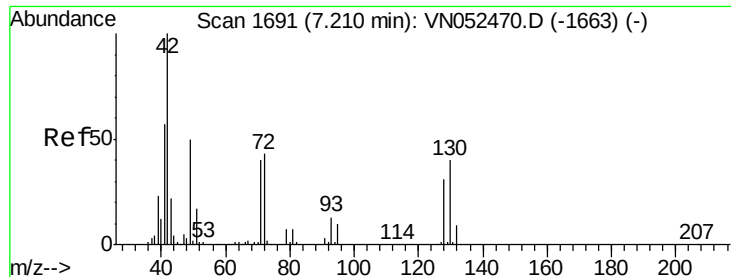
#25
2-Butanone
Concen: 0.773 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

Tgt Ion: 43 Resp: 3562
Ion Ratio Lower Upper
43 100
72 12.9 20.1 30.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

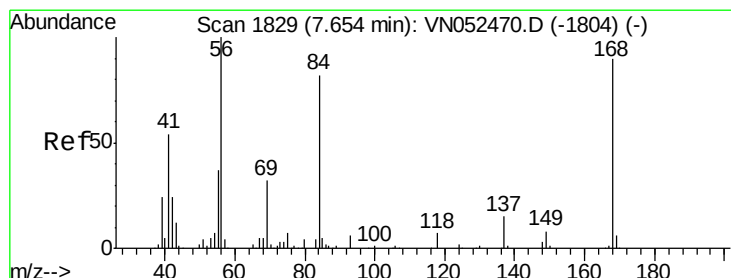
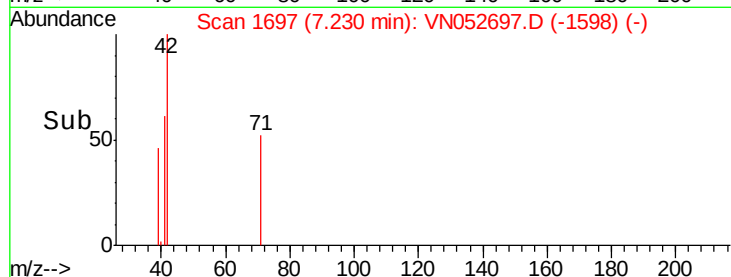
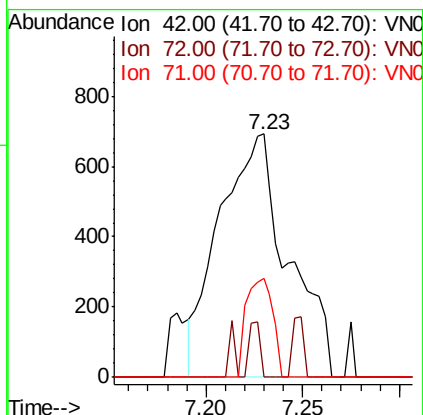
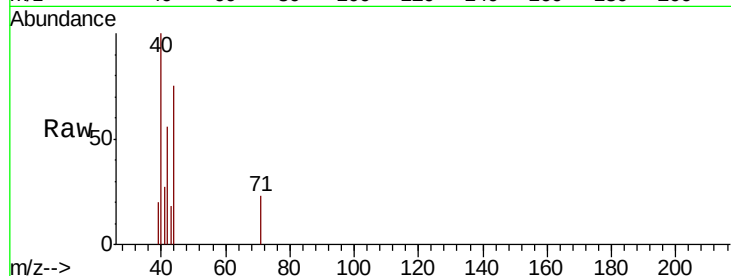




#29
Tetrahydrofuran
Concen: 0.578 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.02 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

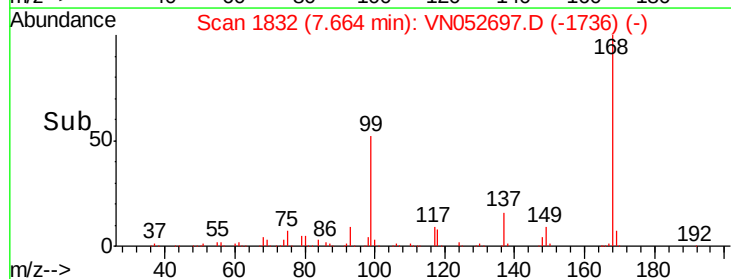
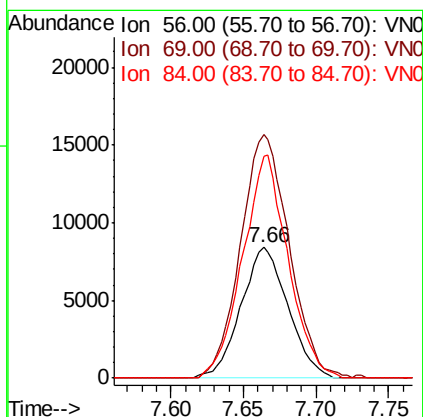
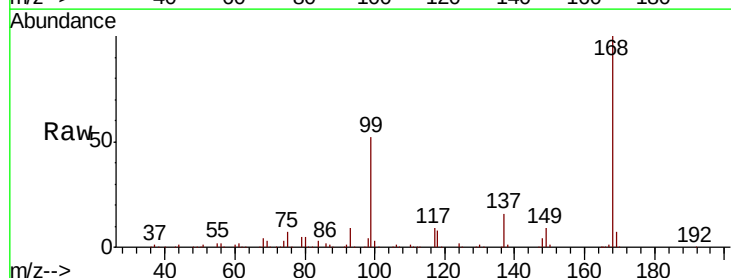
Instrument :
MSVOA_N
ClientSampled :

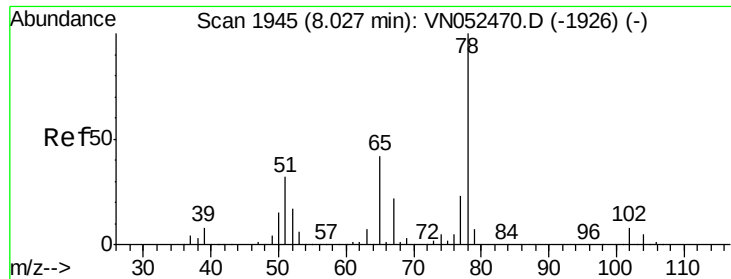
Tot Ion: 42 Resp: 1719
Ion Ratio Lower Upper
42 100
72 3.5 33.3 49.9#
71 15.6 32.0 48.0#



#31
Cyclohexane
Concen: 0.533 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

Tgt Ion: 56 Resp: 18980
Ion Ratio Lower Upper
56 100
69 186.0 25.8 38.6#
84 169.7 65.3 97.9#

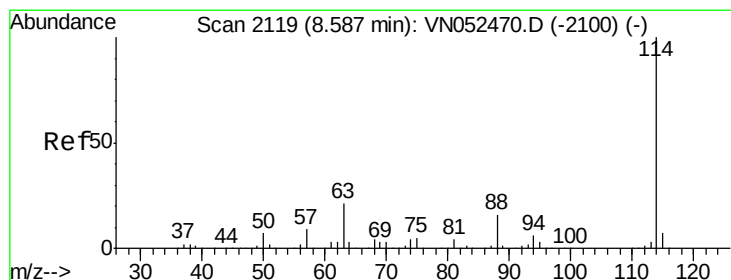
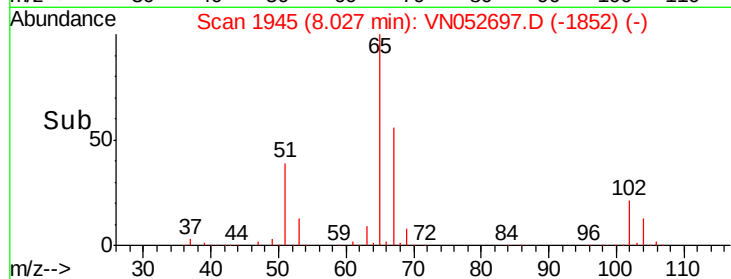
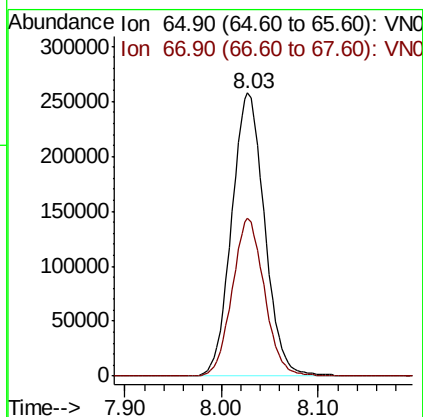
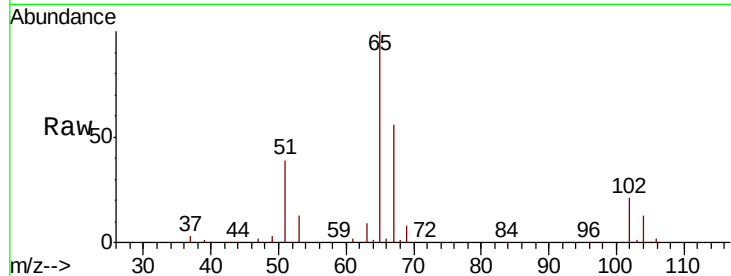




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052697.D
 Acq: 6 Dec 2018 14:07

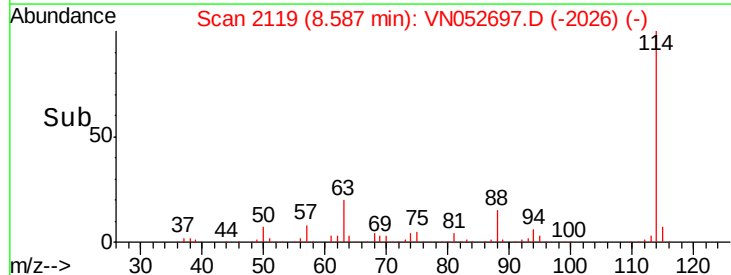
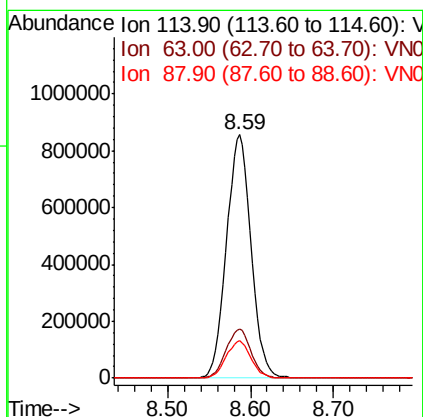
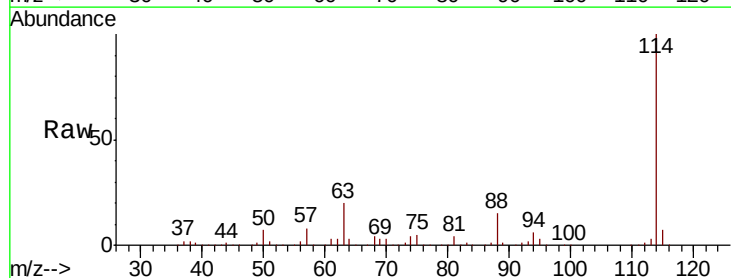
Instrument :
 MSVOA_N
 ClientSampleId :

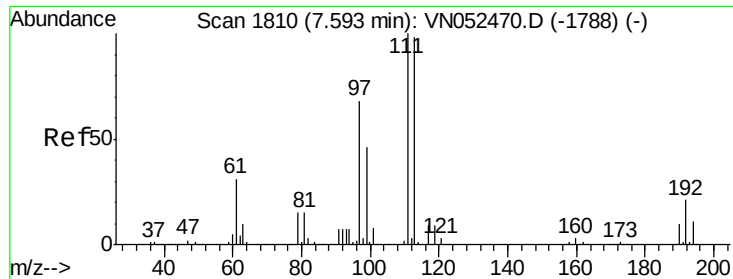
Tot Ion: 65 Resp: 608685
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052697.D
 Acq: 6 Dec 2018 14:07

Tgt Ion: 114 Resp: 1767241
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.8
 88 15.3 0.0 31.6

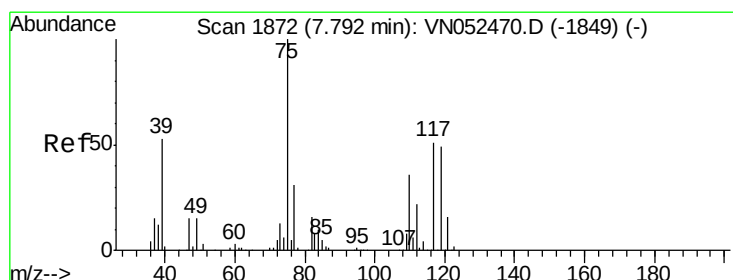
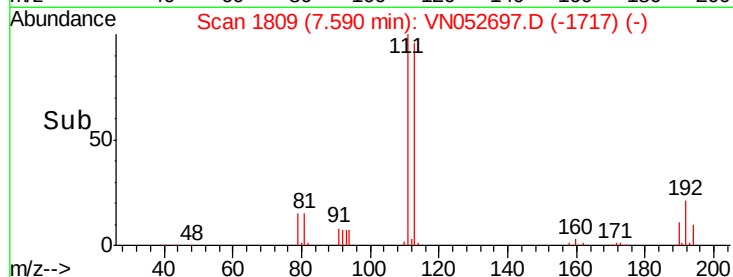
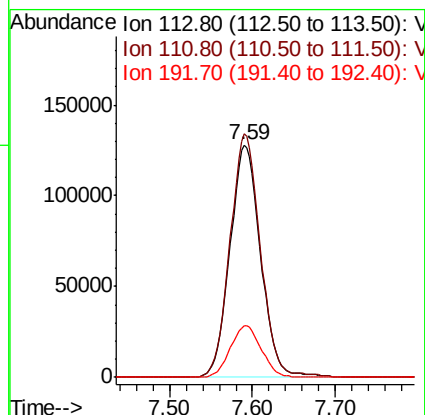
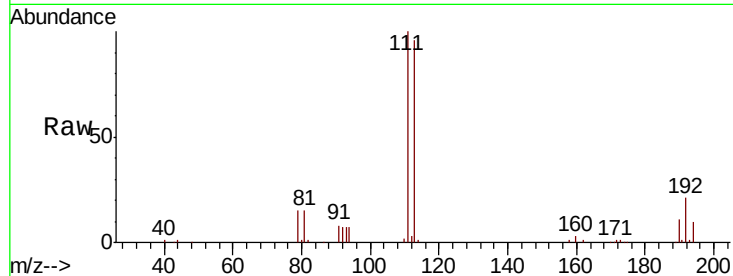




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

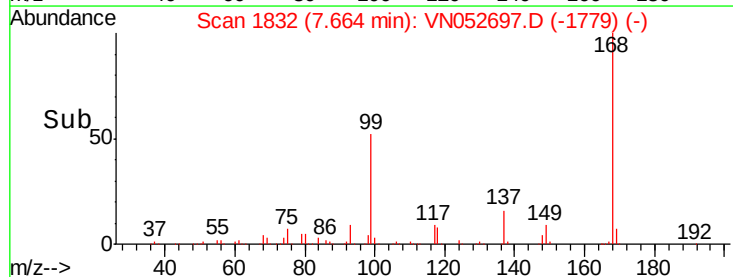
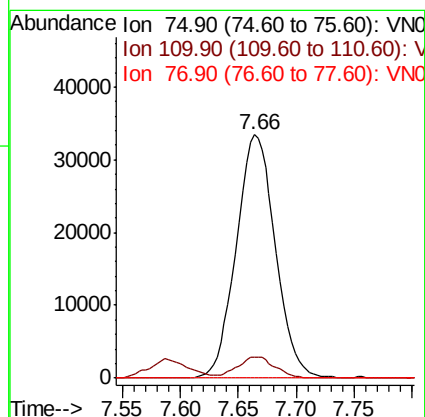
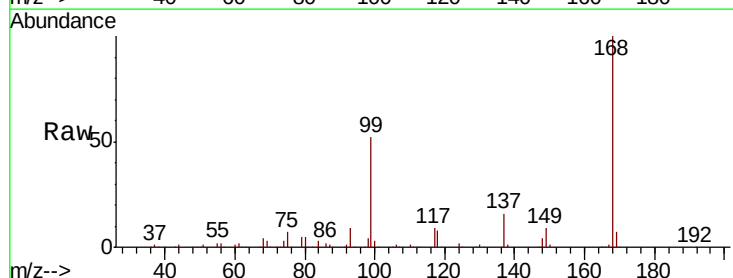
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ClientSampleId :

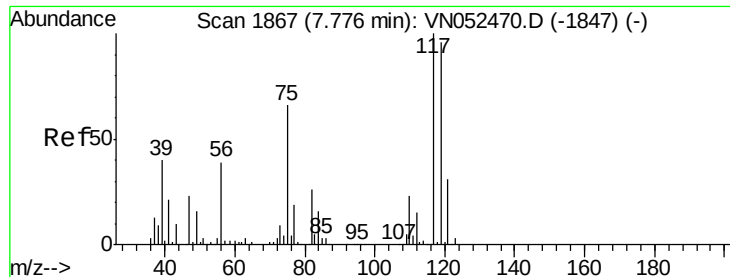
Tot Ion:113 Resp: 329236
Ion Ratio Lower Upper
113 100
111 103.9 82.0 123.0
192 22.4 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.689 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

Tgt Ion: 75 Resp: 78250
Ion Ratio Lower Upper
75 100
110 8.2 17.5 52.6#
77 0.0 24.5 36.7#

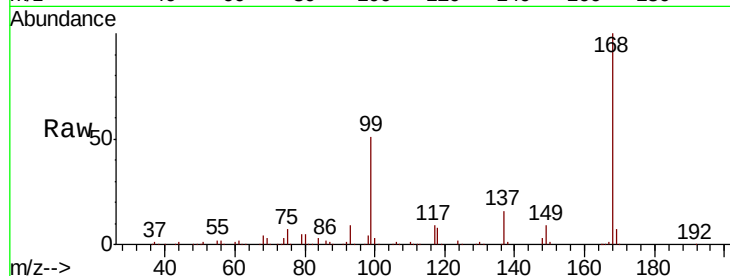




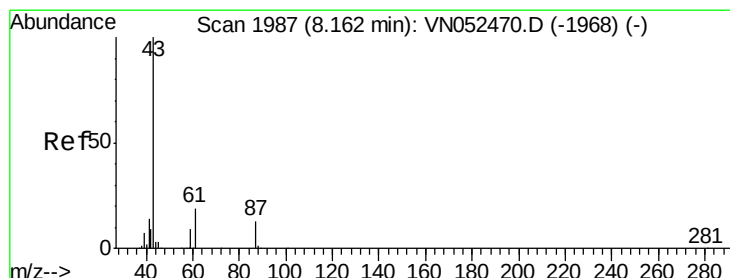
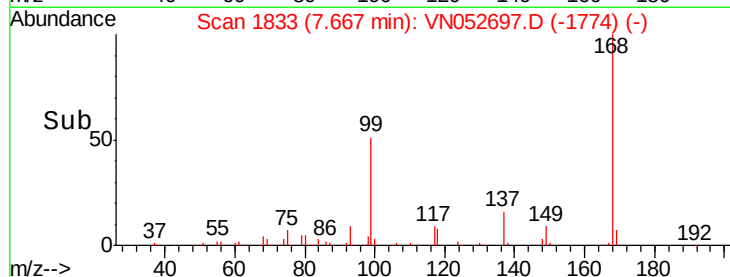
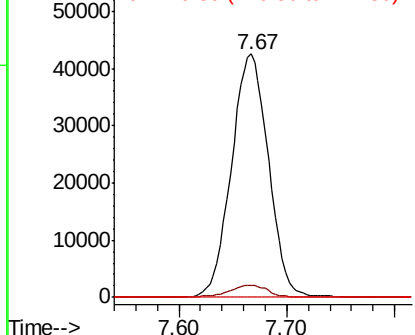
#38
Carbon Tetrachloride
Concen: 6.718 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 101500
Ion Ratio Lower Upper
117 100
119 4.8 76.8 115.2#
121 0.0 24.9 37.3#

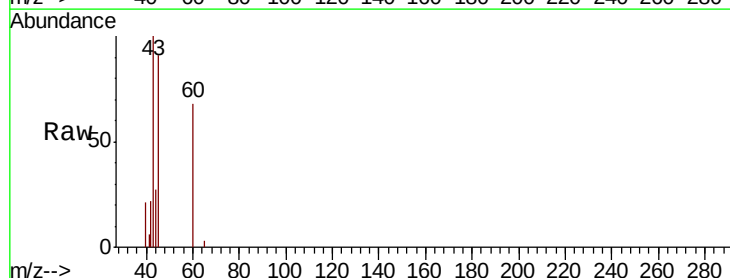


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

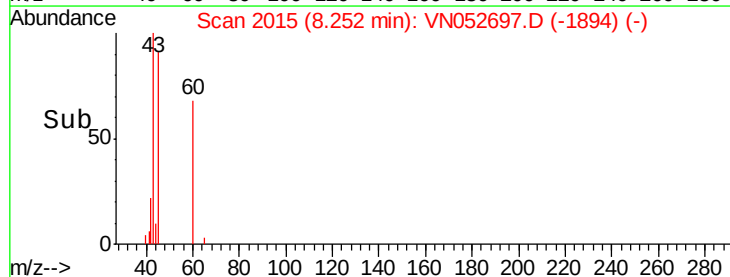
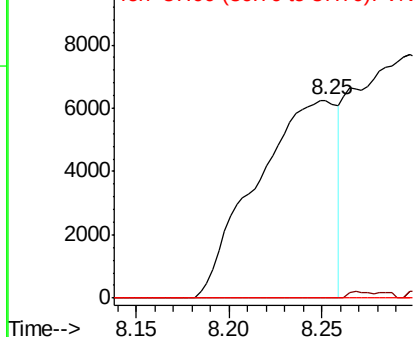


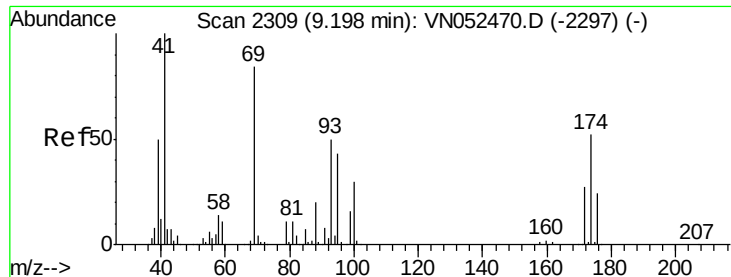
#43
Isopropyl Acetate
Concen: 1.089 ug/l
RT: 8.25 min Scan# 2015
Delta R.T. 0.09 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

Tgt Ion: 43 Resp: 18762
Ion Ratio Lower Upper
43 100
61 0.0 24.1 36.1#
87 0.0 10.6 15.8#



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

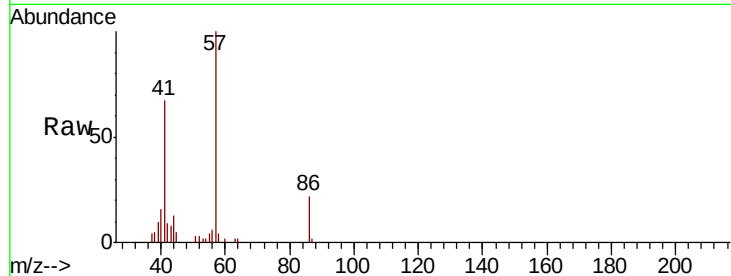




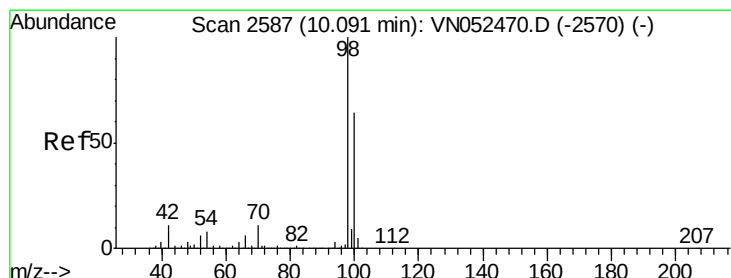
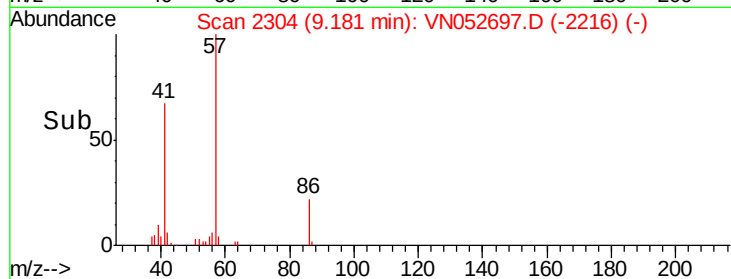
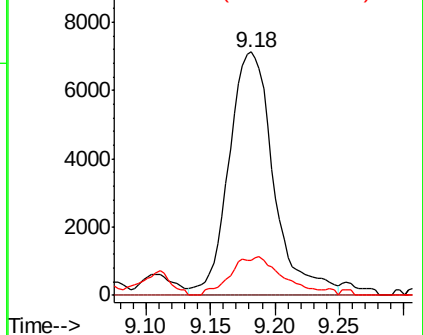
#48
Methvl methacrylate
Concen: 1.913 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 17193
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 18.4 42.6 64.0#

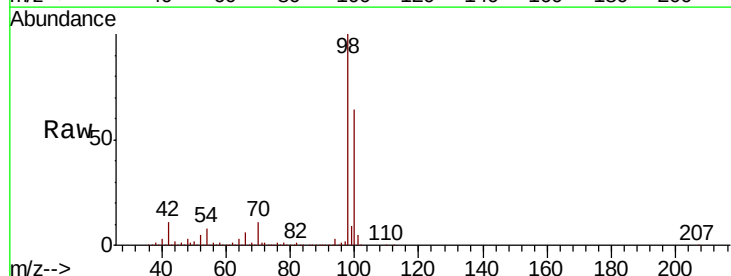


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

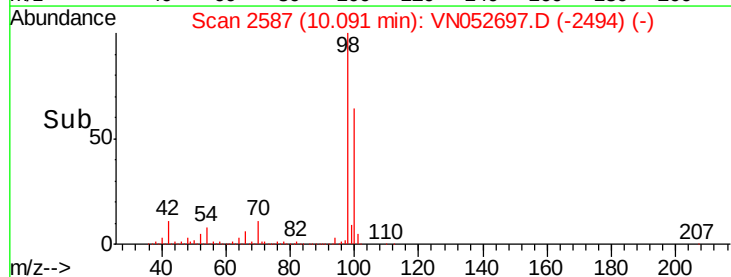
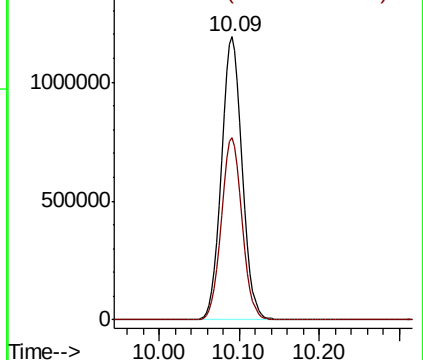


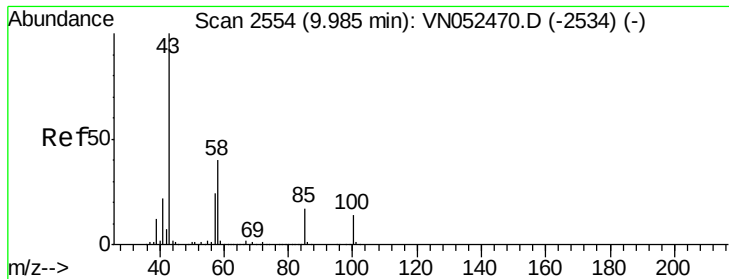
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

Tgt Ion: 98 Resp: 2144535
Ion Ratio Lower Upper
98 100
100 64.5 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: 0.612 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052697.D

Acq: 6 Dec 2018 14:07

Instrument :

MSVOA_N

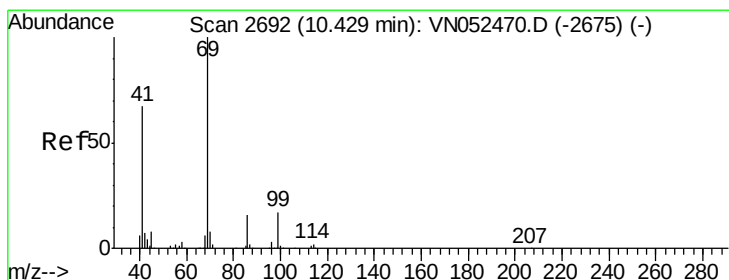
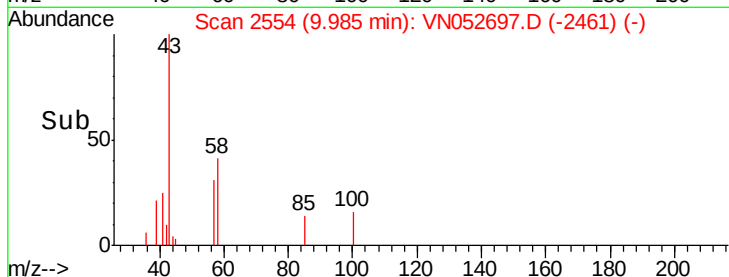
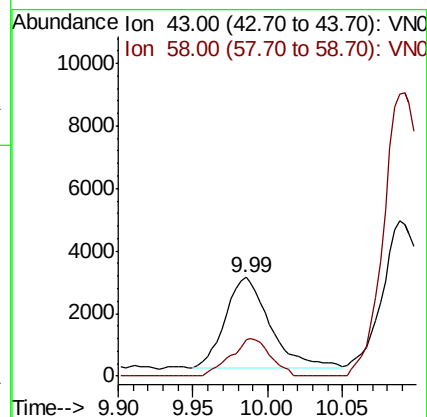
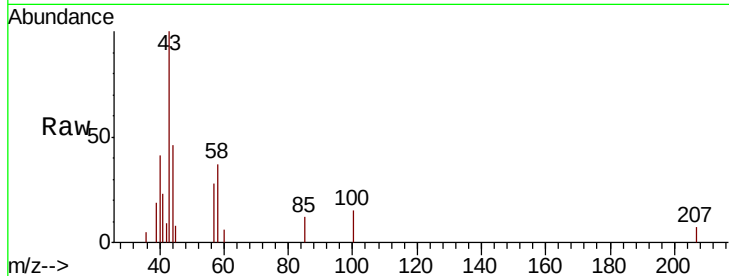
ClientSampled :

Tot Ion: 43 Resp: 5923

Ion Ratio Lower Upper

43 100

58 37.3 31.5 47.3



#56

Ethyl methacrylate

Concen: 2.721 ug/l

RT: 10.65 min Scan# 2761

Delta R.T. 0.22 min

Lab File: VN052697.D

Acq: 6 Dec 2018 14:07

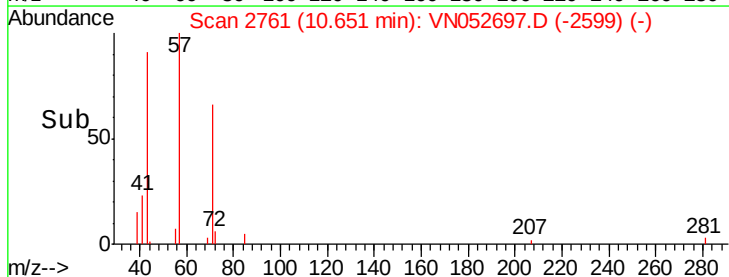
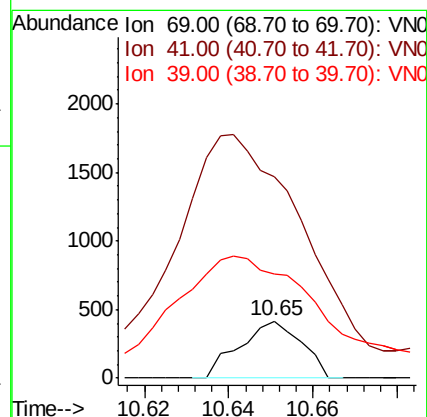
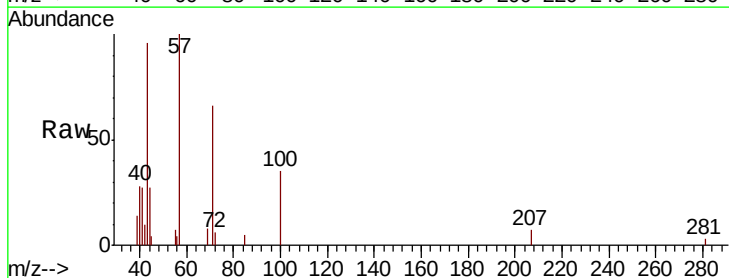
Tgt Ion: 69 Resp: 420

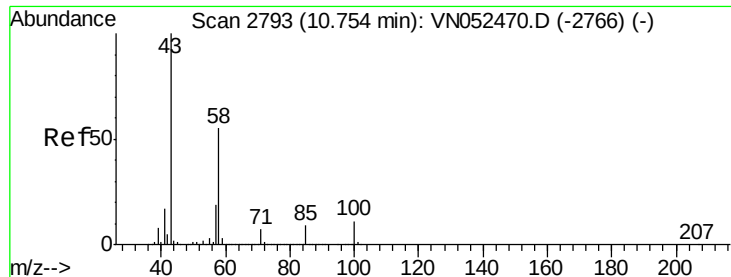
Ion Ratio Lower Upper

69 100

41 962.6 52.6 79.0#

39 405.0 25.9 38.9#

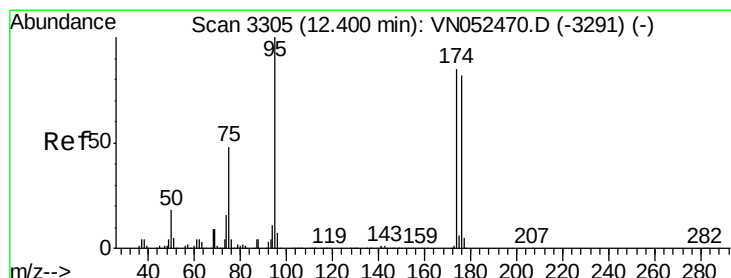
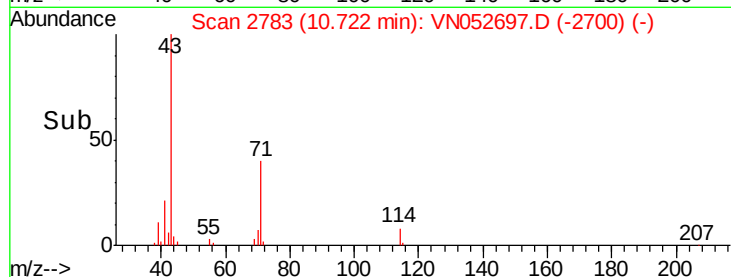
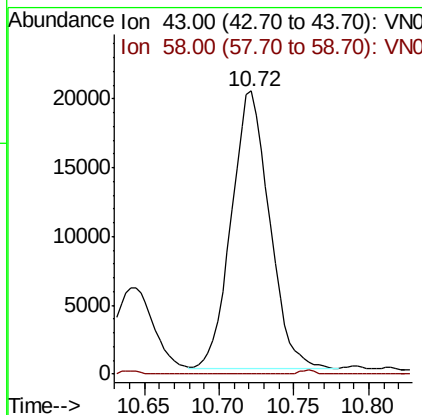
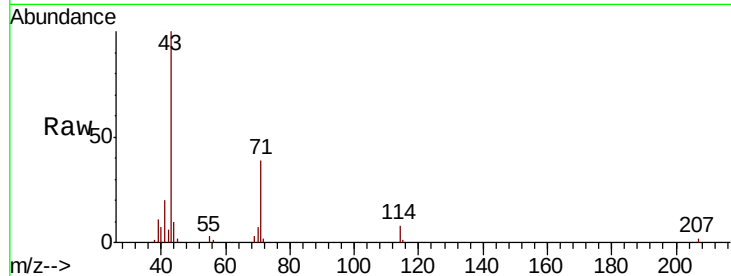




#59
2-Hexanone
Concen: 5.501 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.03 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

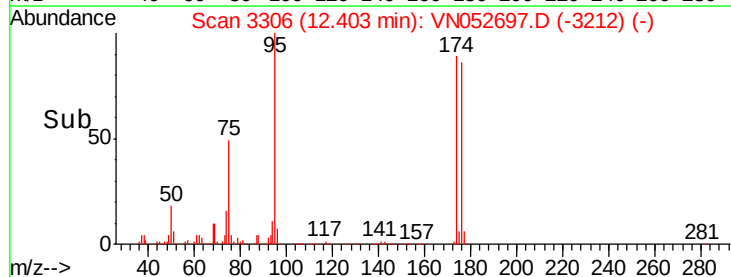
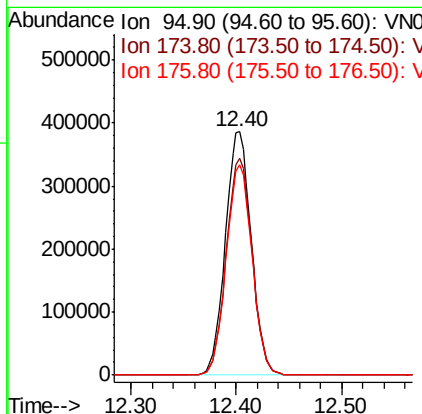
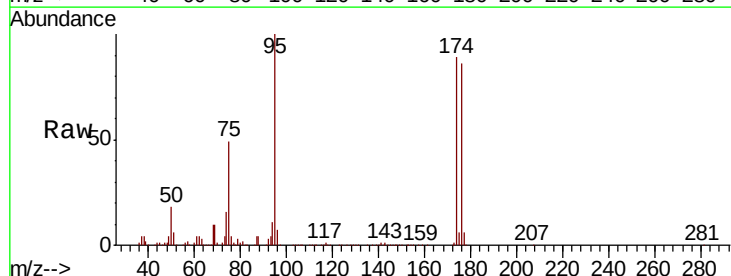
Instrument :
MSVOA_N
ClientSampleId :

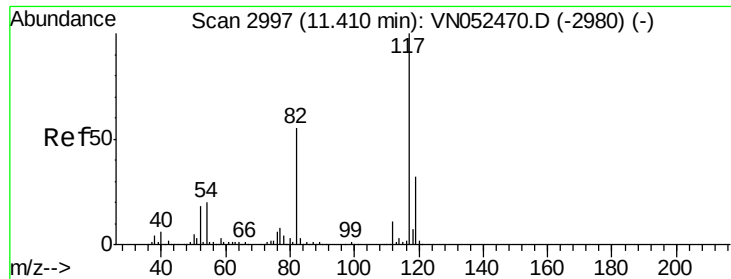
Tot Ion: 43 Resp: 35707
Ion Ratio Lower Upper
43 100
58 0.0 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

Tgt Ion: 95 Resp: 653177
Ion Ratio Lower Upper
95 100
174 89.3 0.0 173.0
176 86.3 0.0 166.2

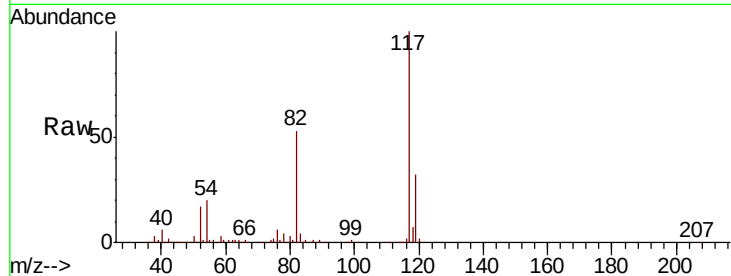




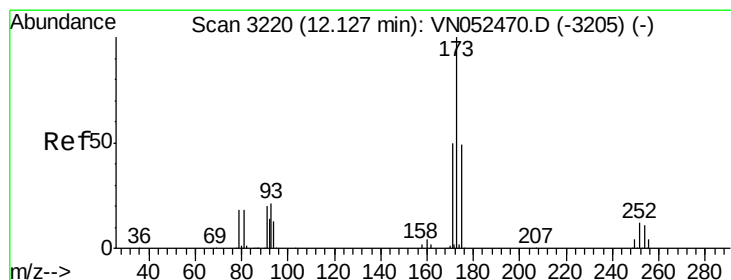
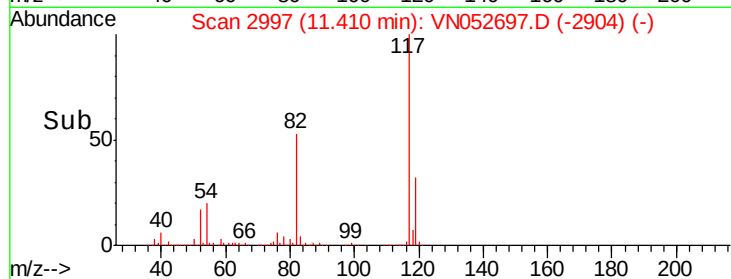
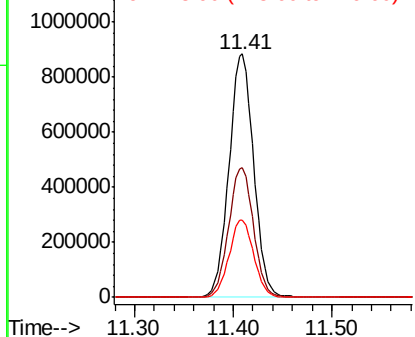
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1547701
Ion Ratio Lower Upper
117 100
82 53.3 43.6 65.4
119 31.8 25.4 38.2

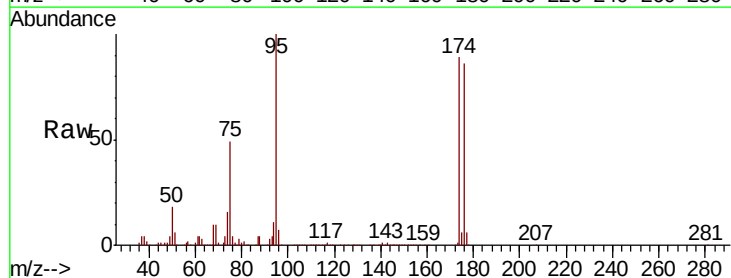


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

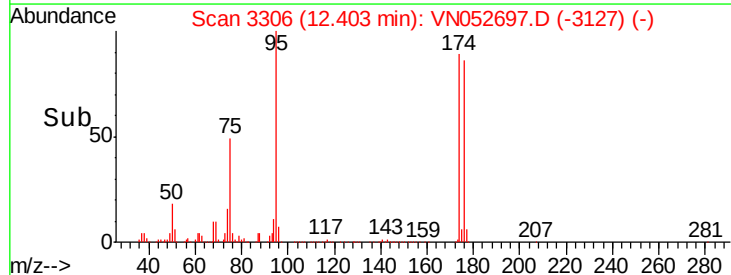
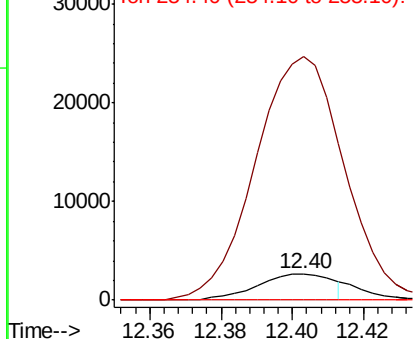


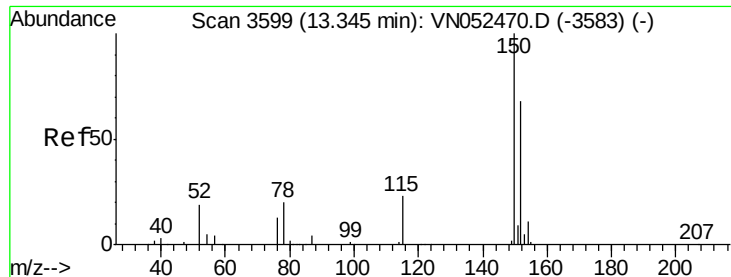
#71
Bromoform
Concen: 0.528 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052697.D
Acq: 6 Dec 2018 14:07

Tgt Ion:173 Resp: 3883
Ion Ratio Lower Upper
173 100
175 944.9 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: VN052697.D

Acq: 6 Dec 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

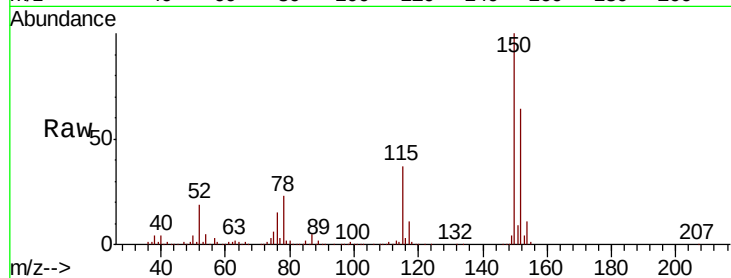
Tot Ion:152 Resp: 558083

Ion Ratio Lower Upper

152 100

115 57.5 28.4 85.2

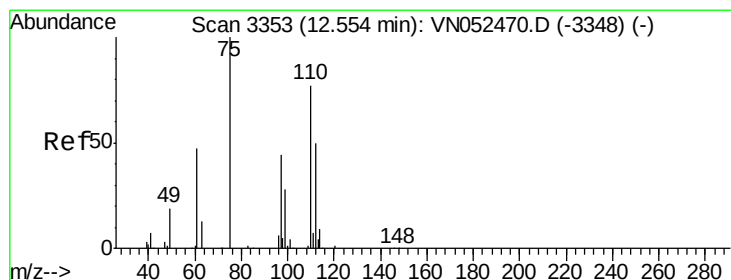
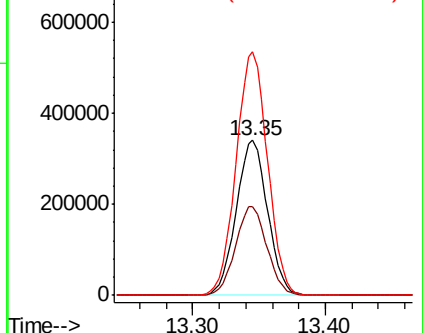
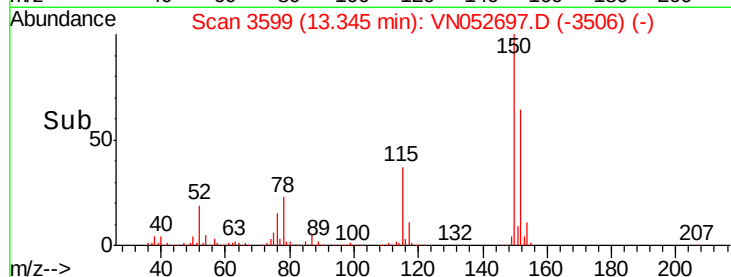
150 158.0 0.0 346.0



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: 37.241 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052697.D

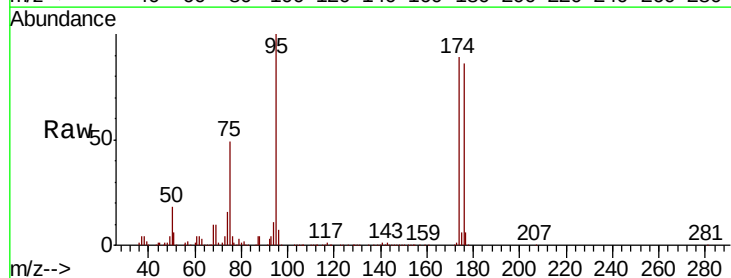
Acq: 6 Dec 2018 14:07

Tgt Ion: 75 Resp: 320490

Ion Ratio Lower Upper

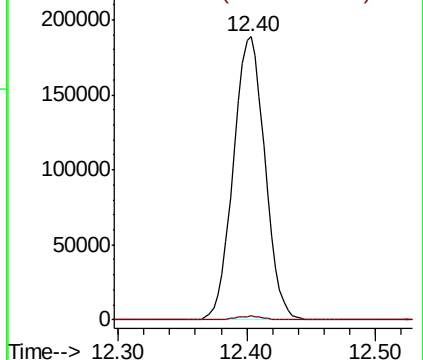
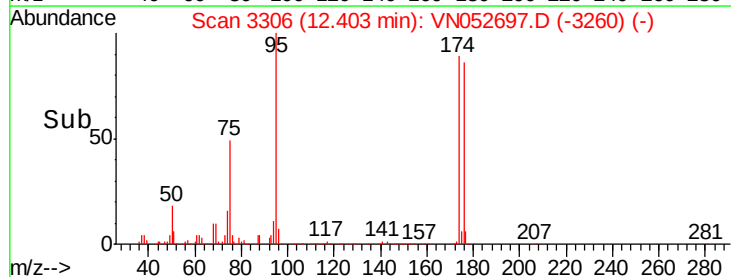
75 100

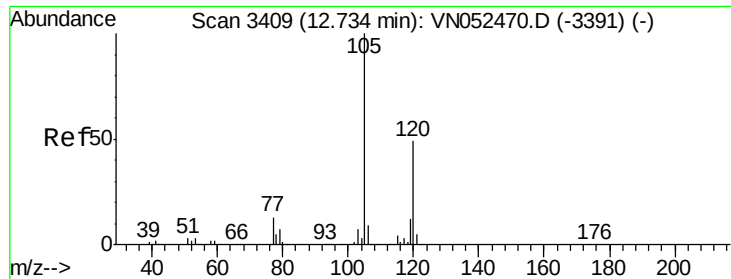
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

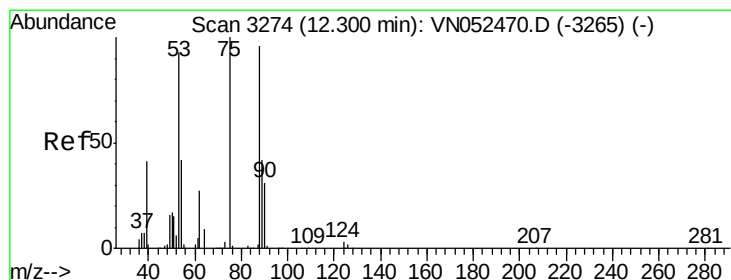
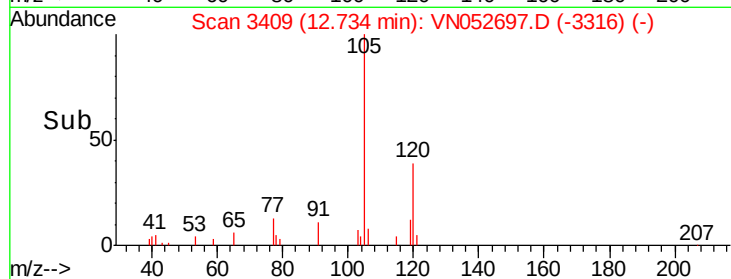
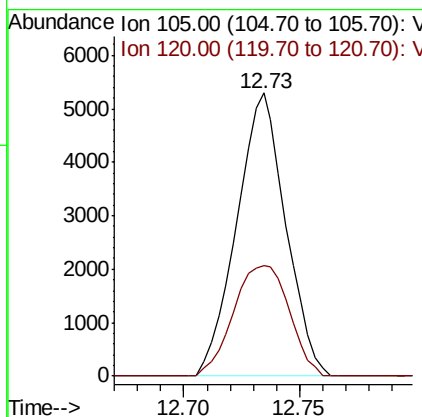
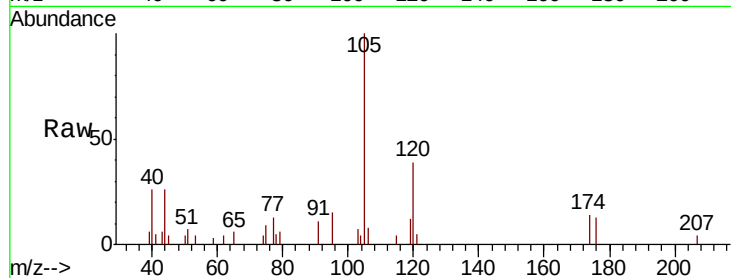




#80
 1,3,5-Trimethylbenzene
 Concen: 0.223 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052697.D
 Acq: 6 Dec 2018 14:07

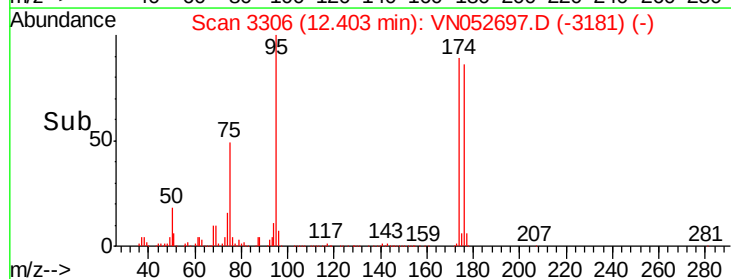
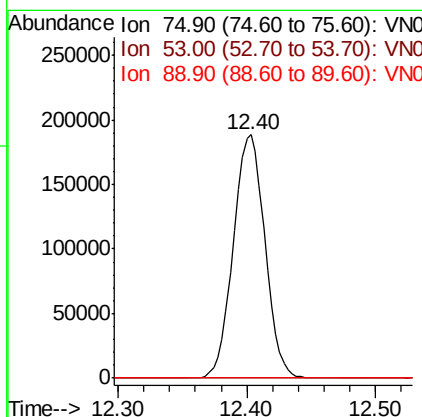
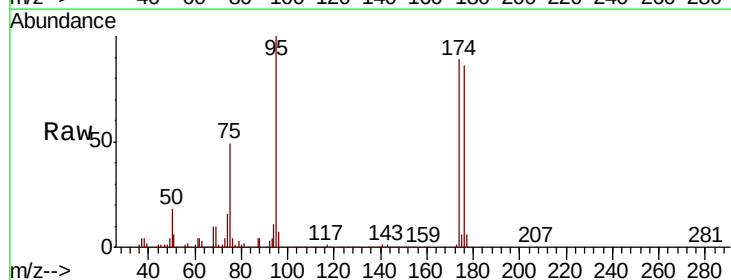
Instrument :
 MSVOA_N
 ClientSampleId :

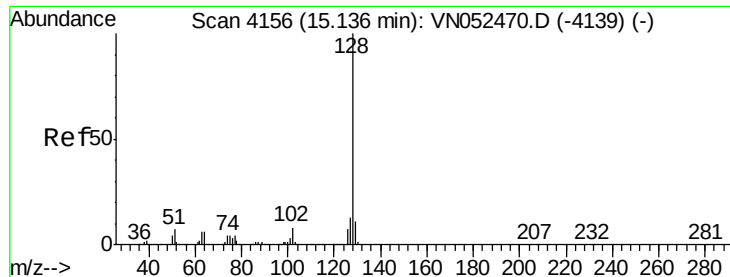
Tot Ion:105 Resp: 7772
 Ion Ratio Lower Upper
 105 100
 120 44.4 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.366 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN052697.D
 Acq: 6 Dec 2018 14:07

Tgt Ion: 75 Resp: 320490
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.4 116.0#
 89 0.0 35.4 53.2#





#95

Naphthalene

Concen: 3.444 ug/l

RT: 15.14 min Scan# 4158

Delta R.T. 0.01 min

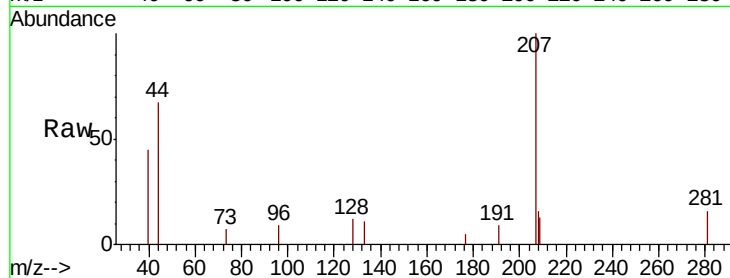
Lab File: VN052697.D

Acq: 6 Dec 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :



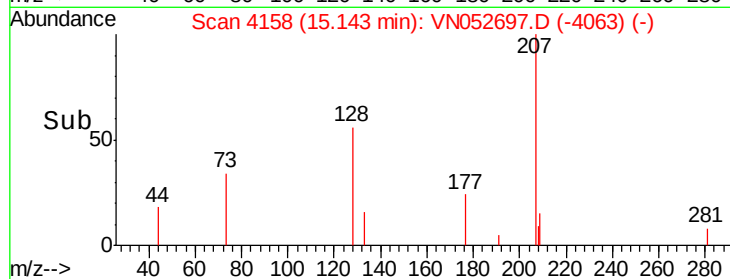
Tot Ion:128 Resp: 348

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.7 13.1#



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

