

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040519\
 Data File : VN054962.D
 Acq On : 5 Apr 2019 9:34
 Operator : JC/SP
 Sample : VN0405MBL01
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 05 23:28:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	504129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	801141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	681115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	227452	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	316421	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
35) Dibromofluoromethane	7.59	113	259979	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	10.09	98	974072	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.40	95	284027	43.01	ug/l	0.00
Spiked Amount			Recovery	=	86.02%	

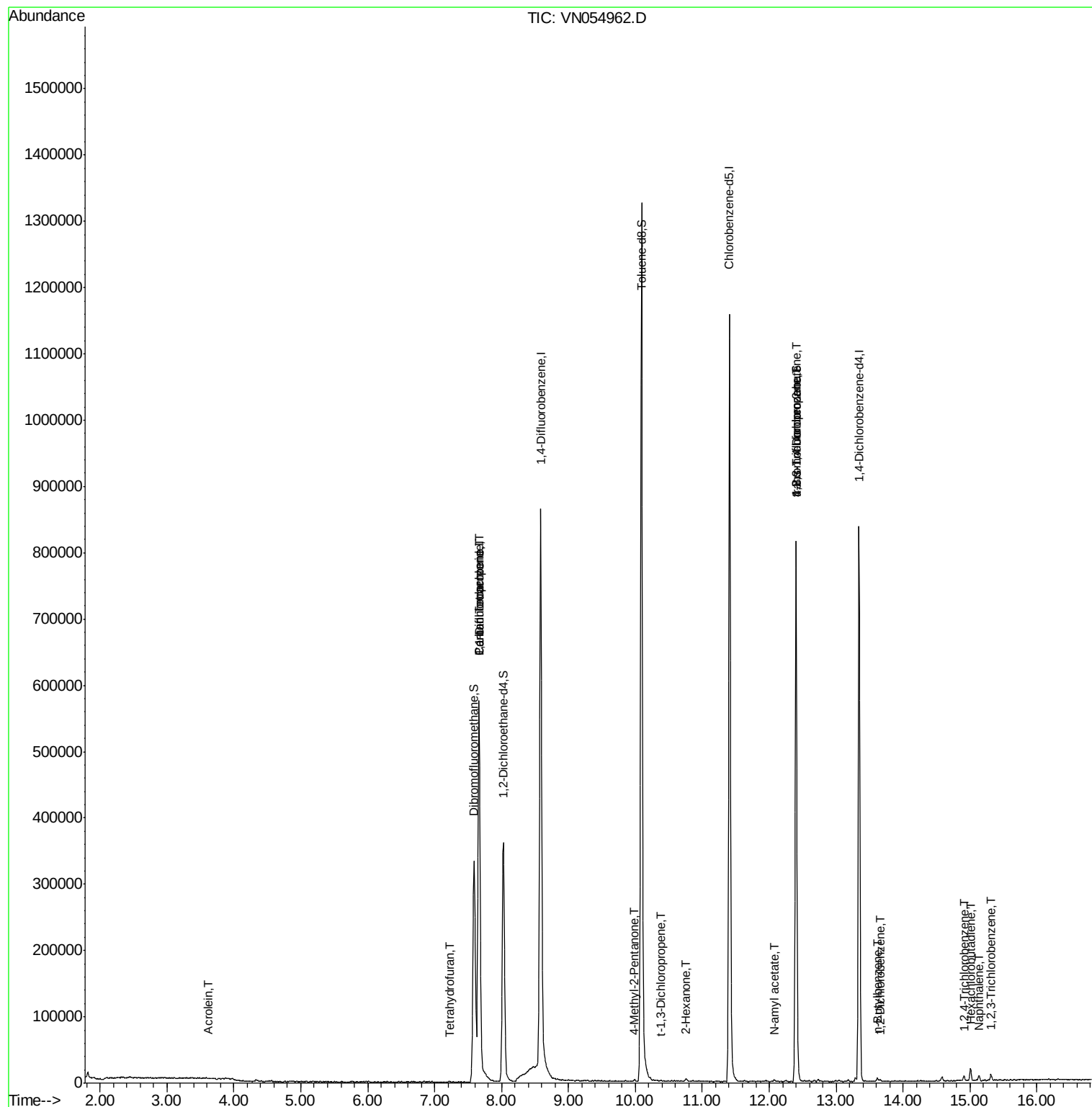
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	365	4.853	ug/l #	13
16) Acetone	3.83	43	618	Below Cal	#	48
18) Methyl Acetate	4.34	43	4623	Below Cal	#	86
29) Tetrahydrofuran	7.22	42	543	0.332	ug/l #	39
31) Cyclohexane	7.67	56	11137	Below Cal	#	5
36) 1,1-Dichloropropene	7.66	75	36669	4.619	ug/l #	50
38) Carbon Tetrachloride	7.66	117	44912	5.859	ug/l #	18
51) 4-Methyl-2-Pentanone	9.99	43	1860	0.363	ug/l #	88
53) t-1,3-Dichloropropene	10.37	75	106	2.040	ug/l #	1
59) 2-Hexanone	10.76	43	3122	0.976	ug/l	94
74) N-amyl acetate	12.07	43	1877	0.351	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.50	83	369	Below Cal	#	73
76) 1,2,3-Trichloropropane	12.40	75	148348	41.768	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	148348	150.656	ug/l #	4
89) n-Butylbenzene	13.61	91	3459	0.289	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	1756	0.231	ug/l	84
93) 1,2,4-Trichlorobenzene	14.91	180	2441	3.038	ug/l	92
94) Hexachlorobutadiene	15.01	225	3622	1.425	ug/l	92
95) Naphthalene	15.13	128	6411	3.570	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.31	180	3212	0.920	ug/l	93

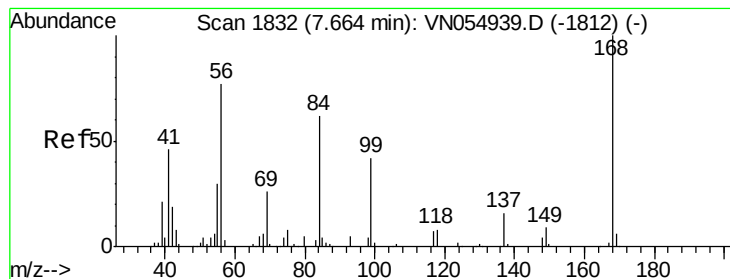
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN040519\
Data File : VN054962.D
Acq On : 5 Apr 2019 9:34
Operator : JC/SP
Sample : VN0405MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 05 23:28:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 05 02:23:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054962.D

Acq: 5 Apr 2019 9:34

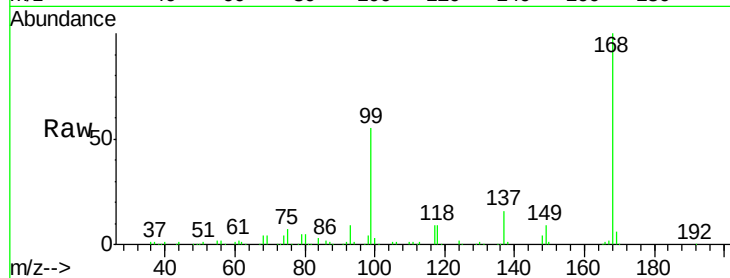
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 504129

Ion Ratio Lower Upper

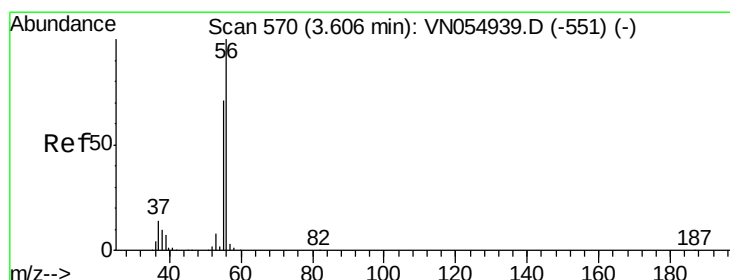
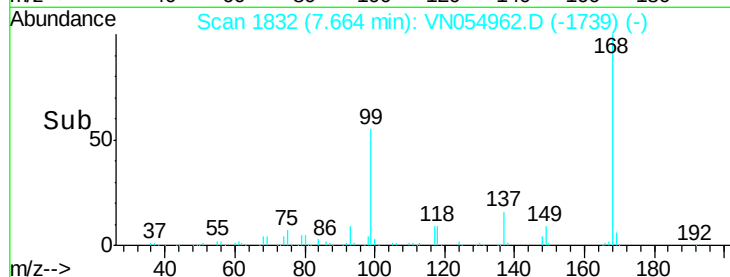
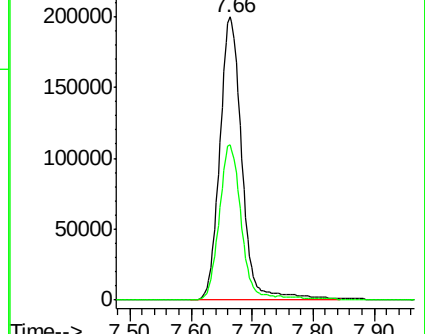
168 100

99 54.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 4.853 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054962.D

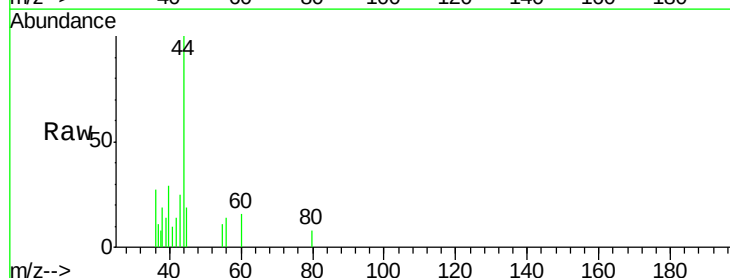
Acq: 5 Apr 2019 9:34

Tgt Ion: 56 Resp: 365

Ion Ratio Lower Upper

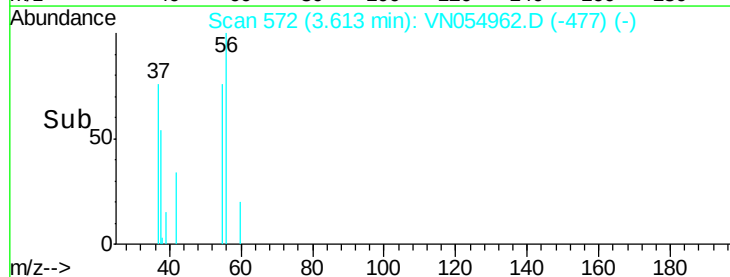
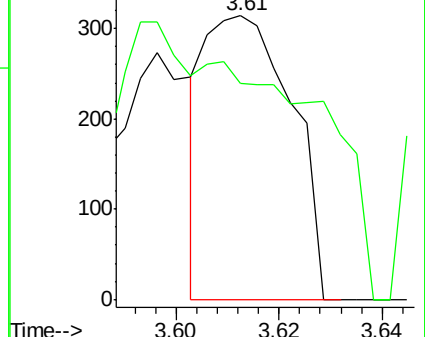
56 100

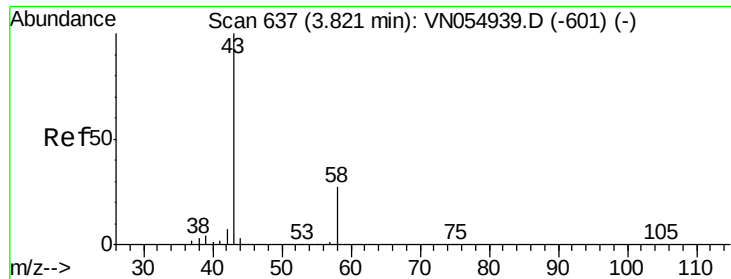
55 0.0 58.6 87.8#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

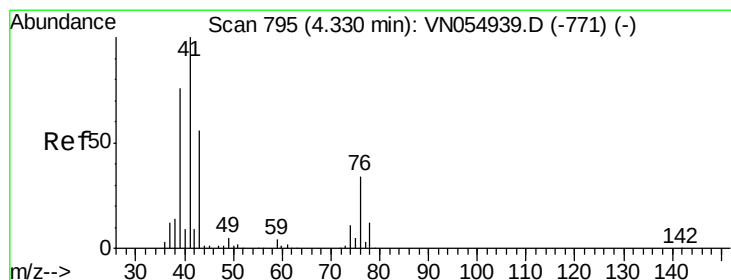
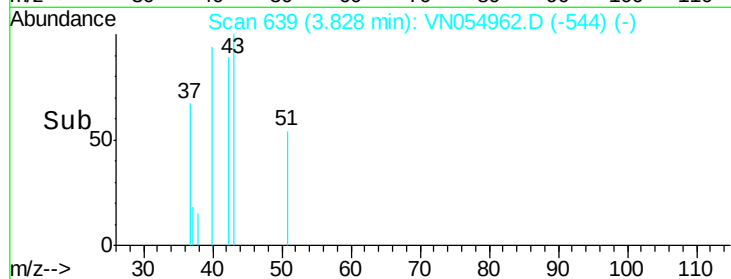
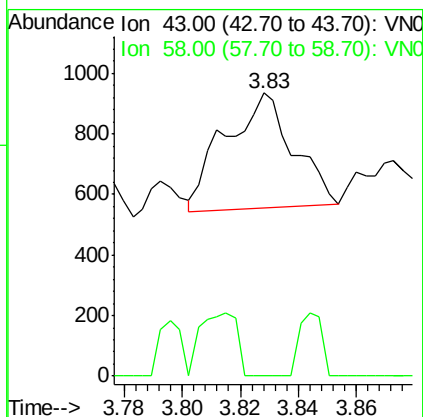
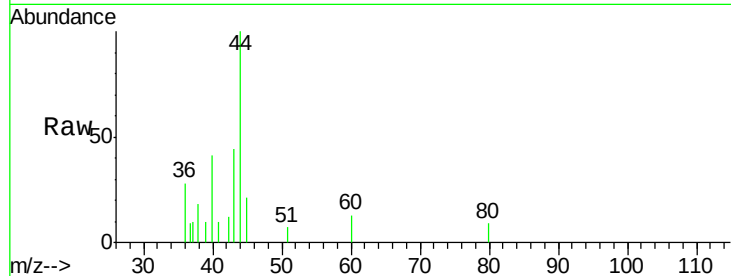




#16
 Acetone
 Concen: Below Cal
 RT: 3.83 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VN054962.D
 Acq: 5 Apr 2019 9:34

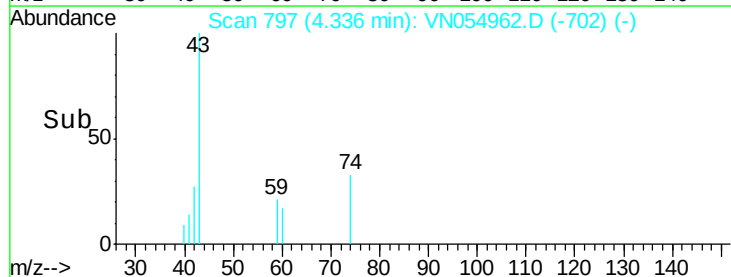
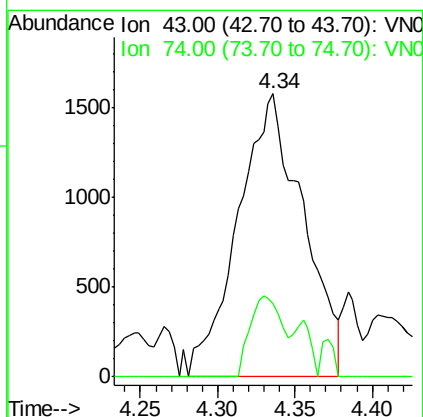
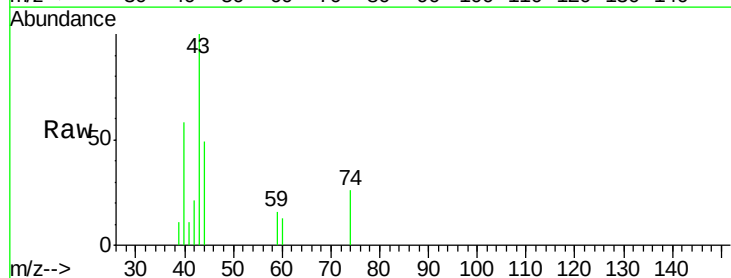
Instrument :
 MSVOA_N
 ClientSampled :

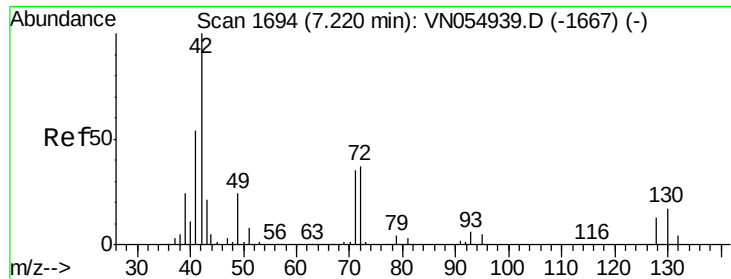
Tot Ion: 43 Resp: 618
 Ion Ratio Lower Upper
 43 100
 58 0.0 21.7 32.5#



#18
 Methyl Acetate
 Concen: Below Cal
 RT: 4.34 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: VN054962.D
 Acq: 5 Apr 2019 9:34

Tgt Ion: 43 Resp: 4623
 Ion Ratio Lower Upper
 43 100
 74 14.0 16.4 24.6#

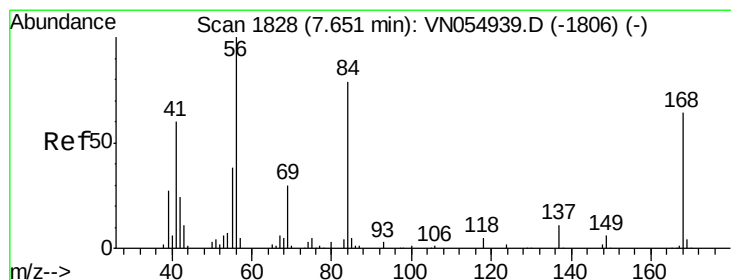
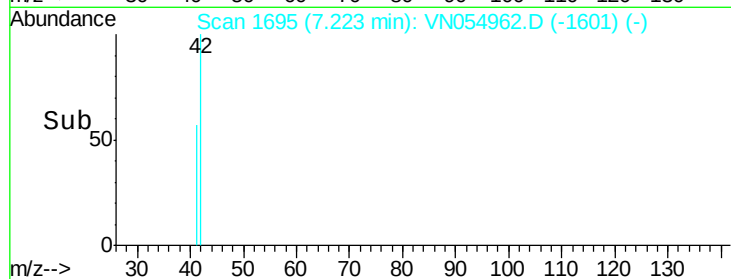
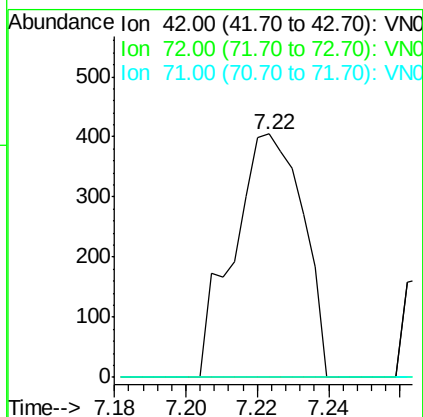
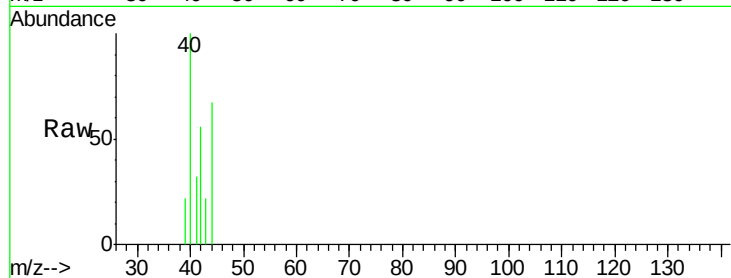




#29
Tetrahydrofuran
Concen: 0.332 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054962.D
Acq: 5 Apr 2019 9:34

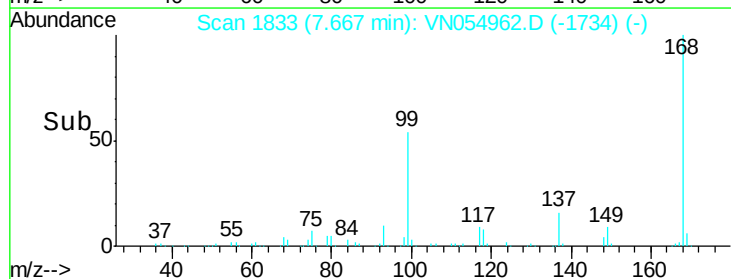
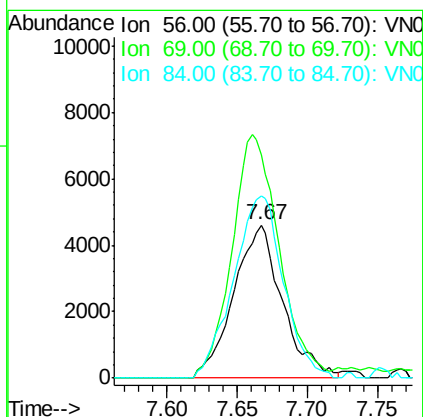
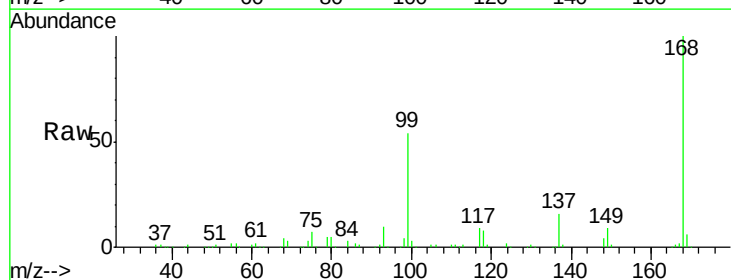
Instrument :
MSVOA_N
ClientSampled :

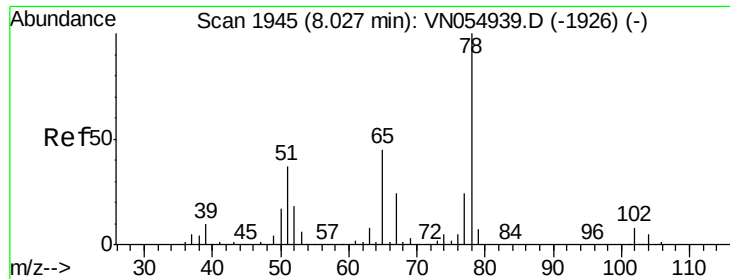
Tot Ion: 42 Resp: 543
Ion Ratio Lower Upper
42 100
72 0.0 29.3 43.9#
71 0.0 27.8 41.6#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054962.D
Acq: 5 Apr 2019 9:34

Tgt Ion: 56 Resp: 11137
Ion Ratio Lower Upper
56 100
69 145.8 23.8 35.6#
84 119.2 61.8 92.8#

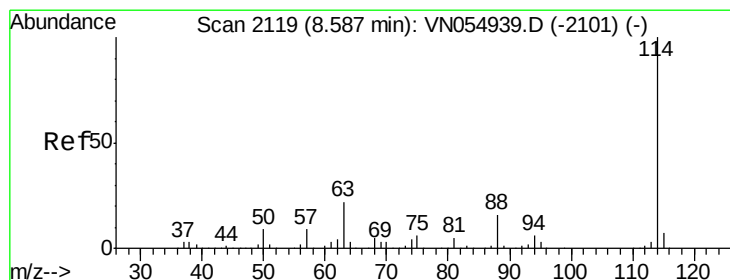
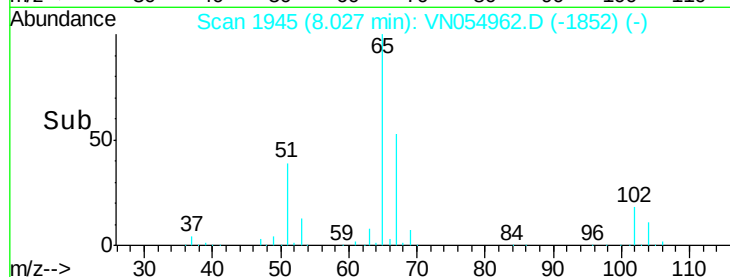
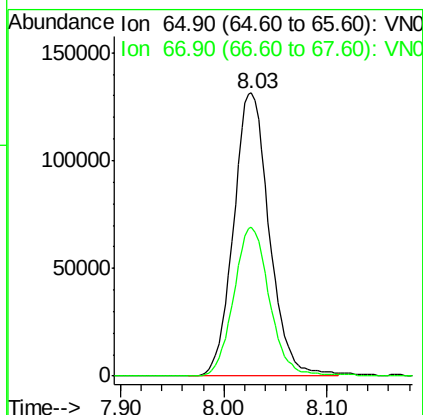
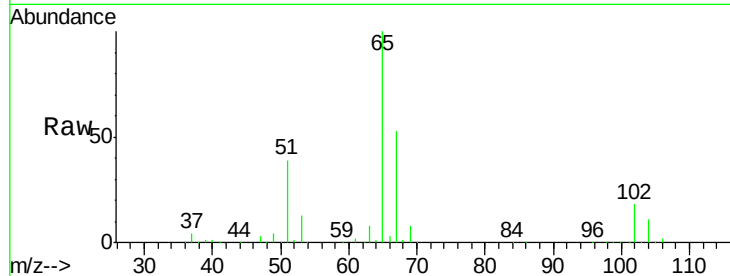




#33
 1,2-Dichloroethane-d4
 Concen: 47.605 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054962.D
 Acq: 5 Apr 2019 9:34

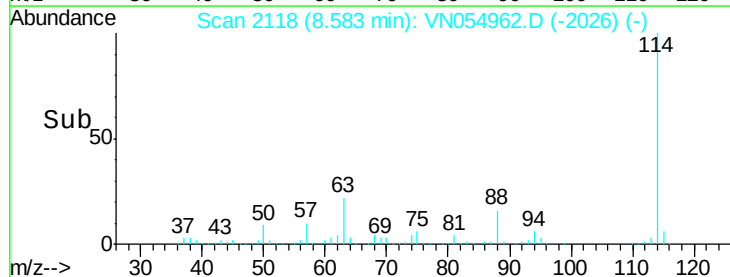
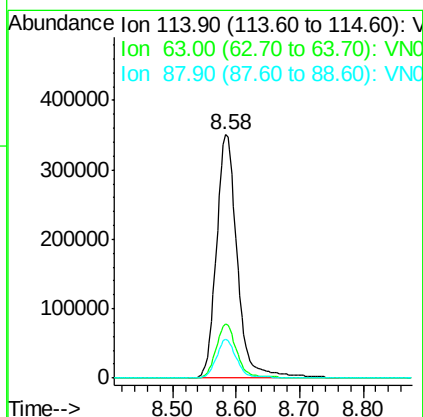
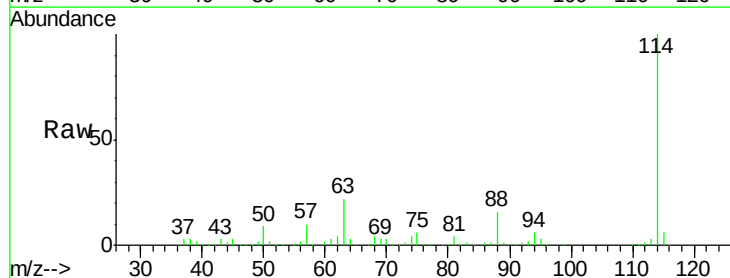
Instrument :
 MSVOA_N
 ClientSampleId :

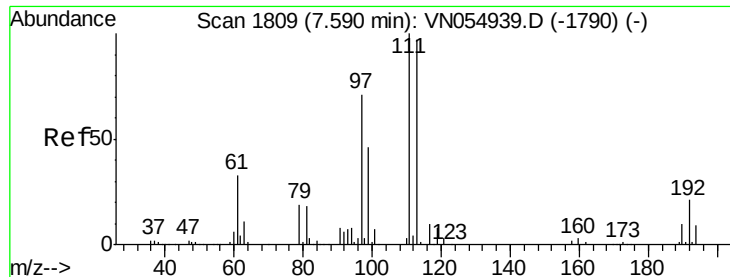
Tot Ion: 65 Resp: 316421
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054962.D
 Acq: 5 Apr 2019 9:34

Tgt Ion: 114 Resp: 801141
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.6
 88 16.0 0.0 32.0

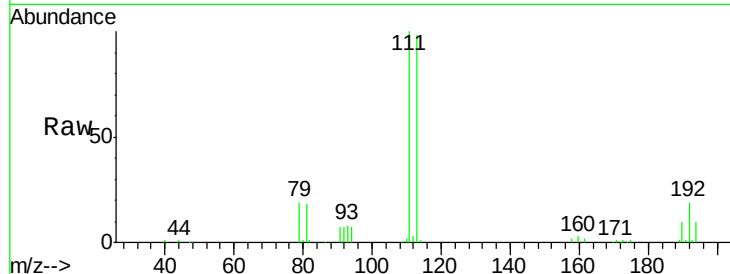




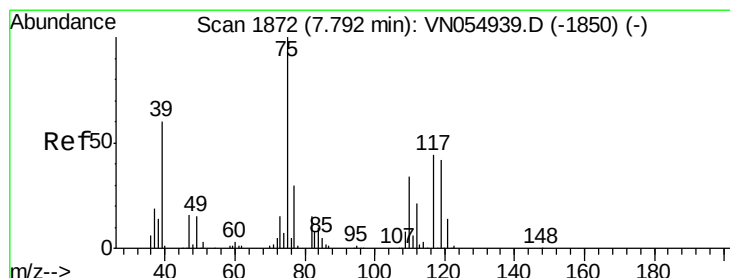
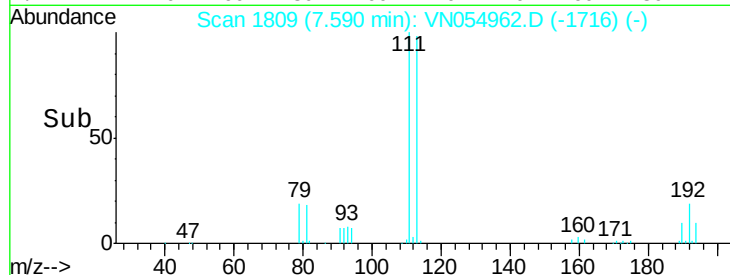
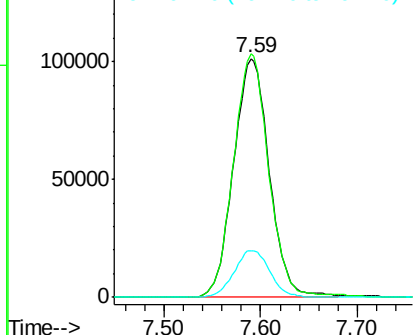
#35
 Dibromofluoromethane
 Concen: 49.851 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054962.D
 Acq: 5 Apr 2019 9:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.8	81.0	121.4
192	19.7	16.5	24.7

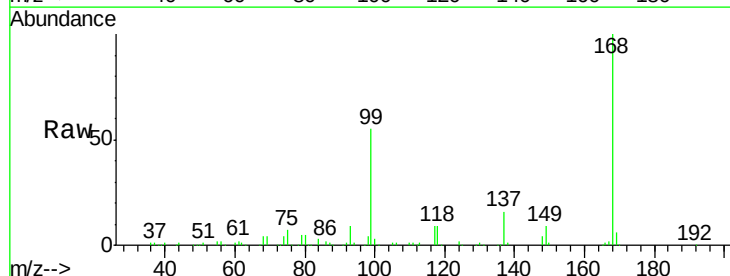


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

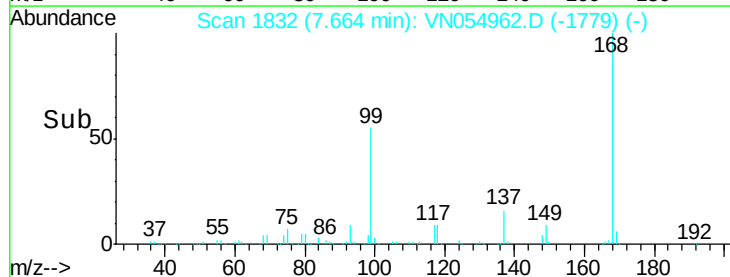
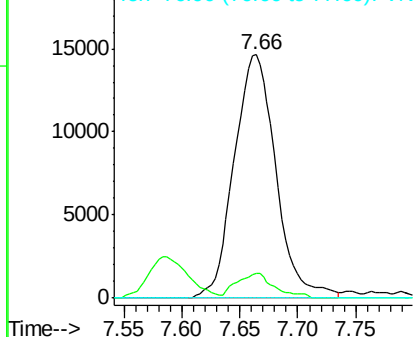


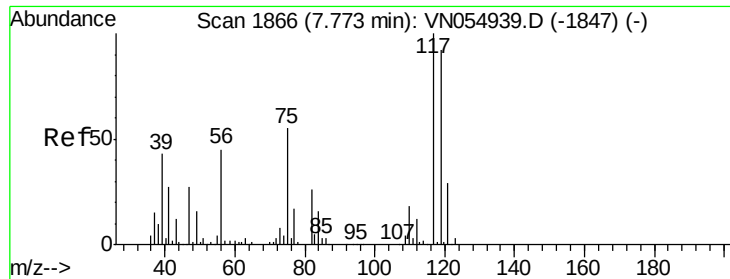
#36
 1,1-Dichloropropene
 Concen: 4.619 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054962.D
 Acq: 5 Apr 2019 9:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.0	50.9#
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

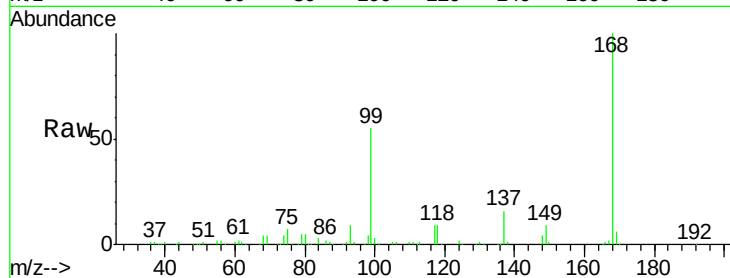




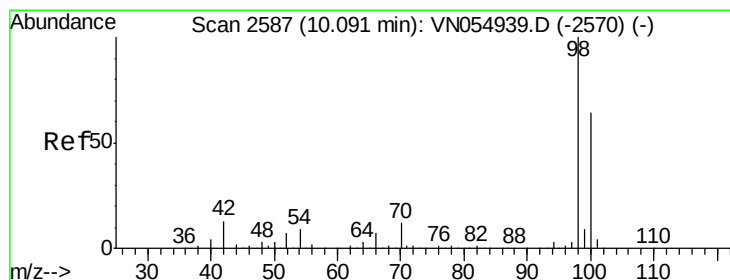
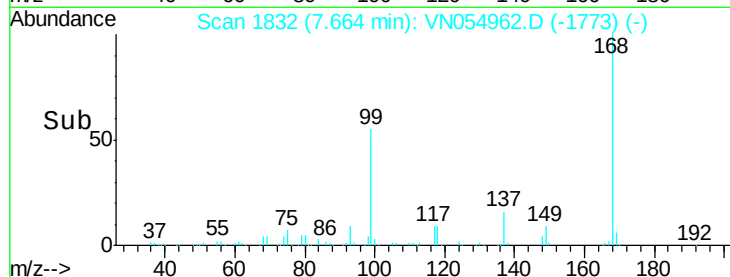
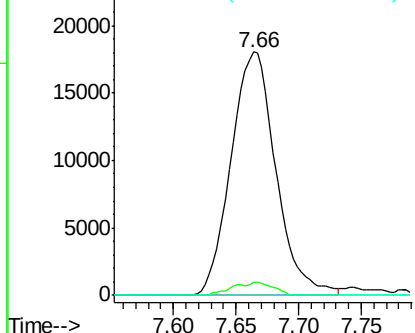
#38
Carbon Tetrachloride
Concen: 5.859 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054962.D
Acq: 5 Apr 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 44912
Ion Ratio Lower Upper
117 100
119 5.2 73.6 110.4#
121 0.0 23.4 35.0#

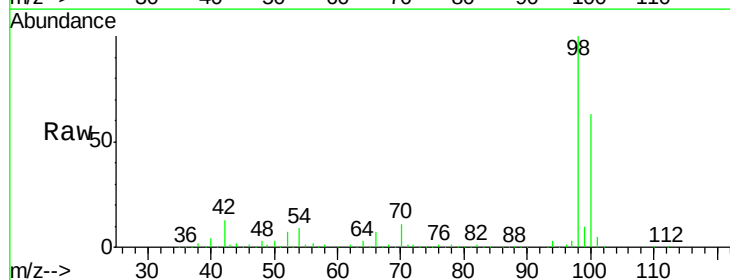


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

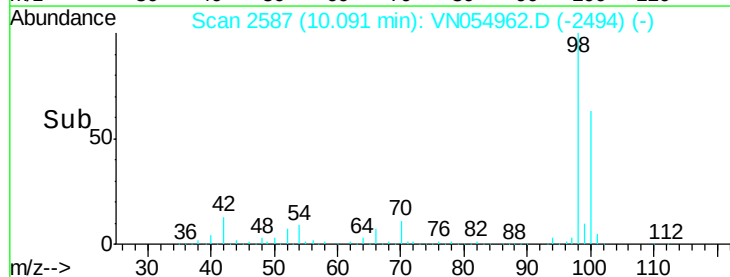
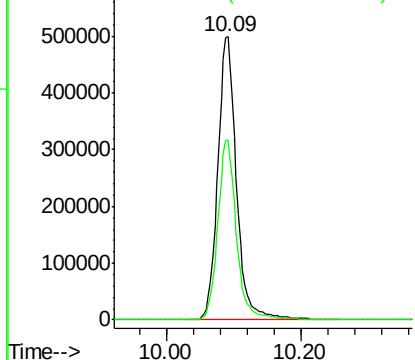


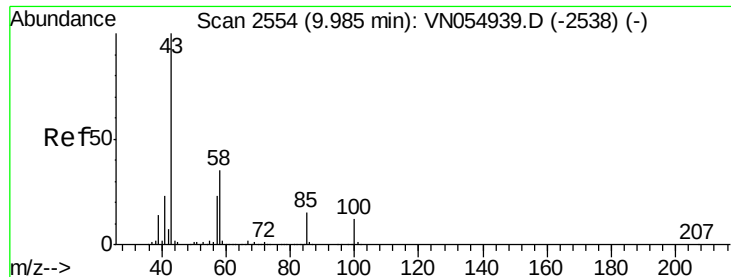
#50
Toluene-d8
Concen: 49.225 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054962.D
Acq: 5 Apr 2019 9:34

Tgt Ion: 98 Resp: 974072
Ion Ratio Lower Upper
98 100
100 63.0 51.5 77.3



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

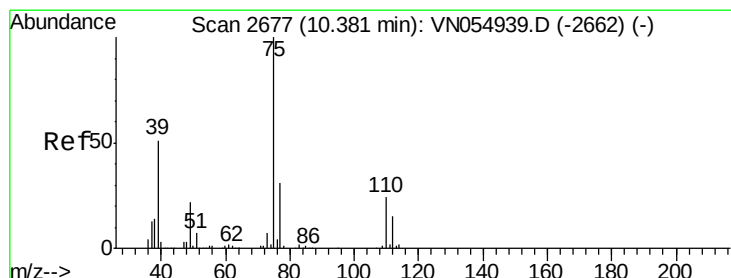
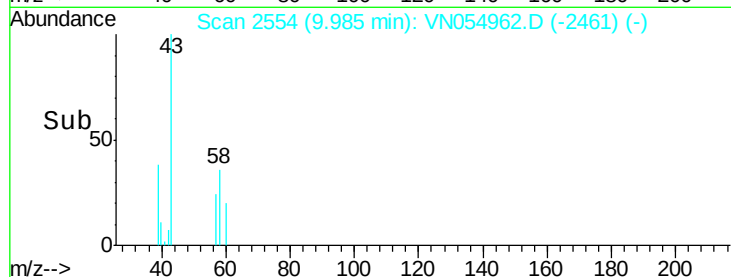
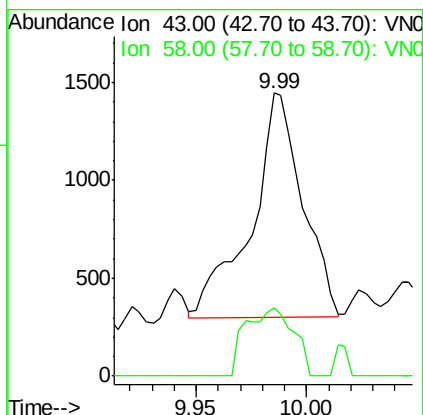
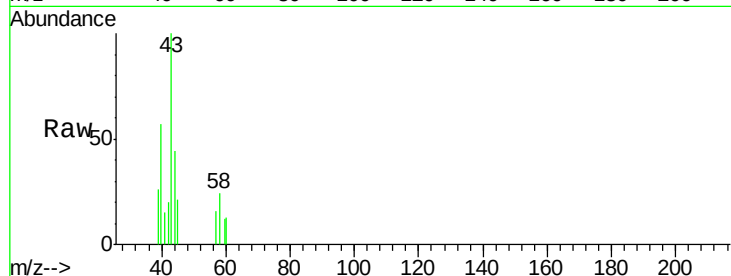




#51
 4-Methyl-2-Pentanone
 Concen: 0.363 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN054962.D
 Acq: 5 Apr 2019 9:34

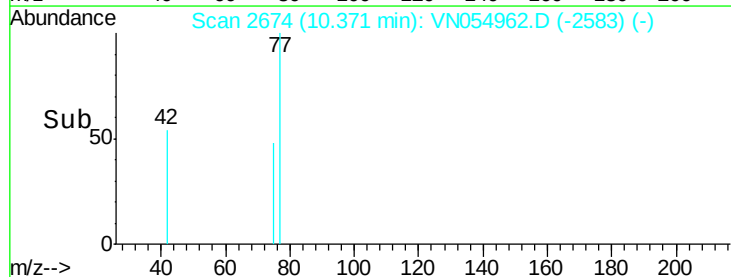
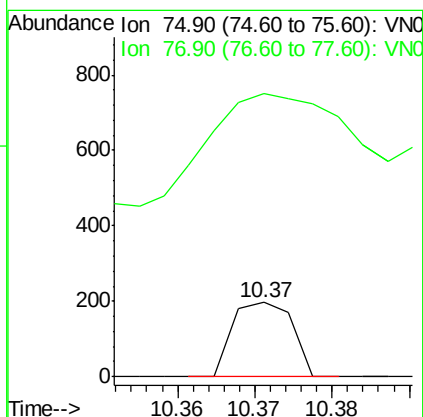
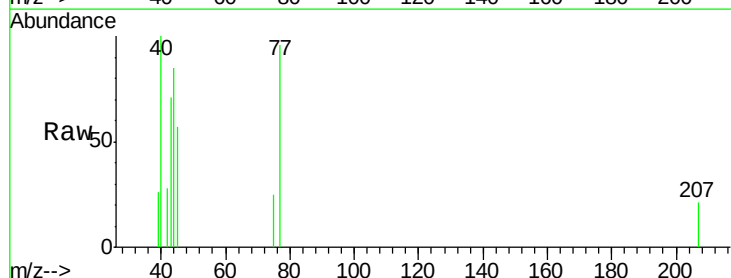
Instrument :
 MSVOA_N
 ClientSampled :

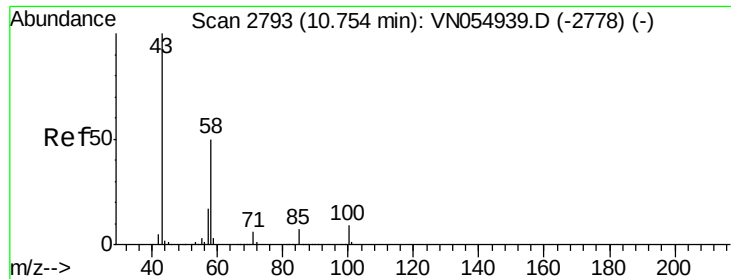
Tot Ion: 43 Resp: 1860
 Ion Ratio Lower Upper
 43 100
 58 28.2 28.3 42.5#



#53
 t-1,3-Dichloropropene
 Concen: 2.040 ug/l
 RT: 10.37 min Scan# 2674
 Delta R.T. -0.01 min
 Lab File: VN054962.D
 Acq: 5 Apr 2019 9:34

Tgt Ion: 75 Resp: 106
 Ion Ratio Lower Upper
 75 100
 77 95.9 24.6 36.8#

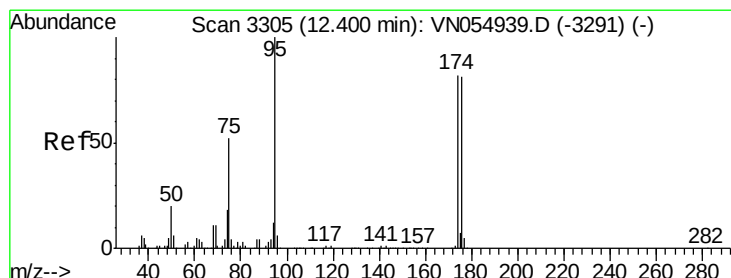
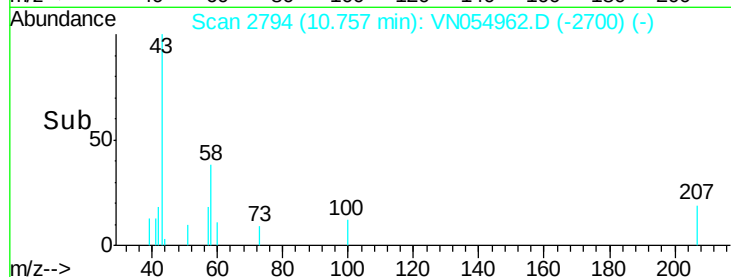
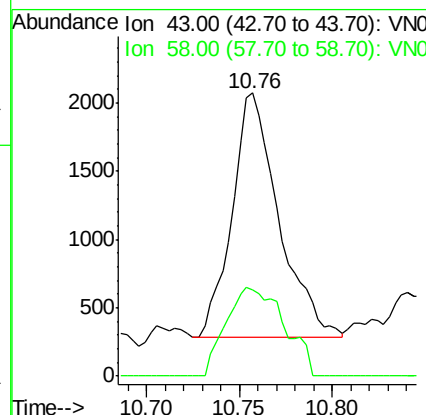
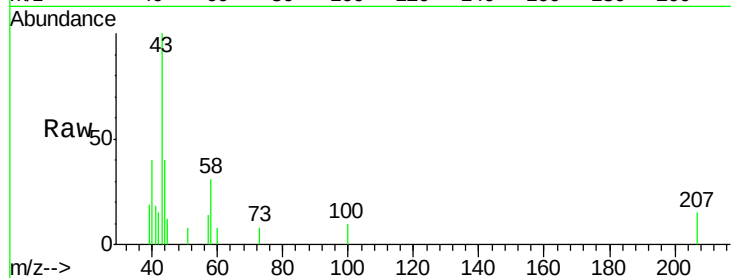




#59
2-Hexanone
Concen: 0.976 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN054962.D
Acq: 5 Apr 2019 9:34

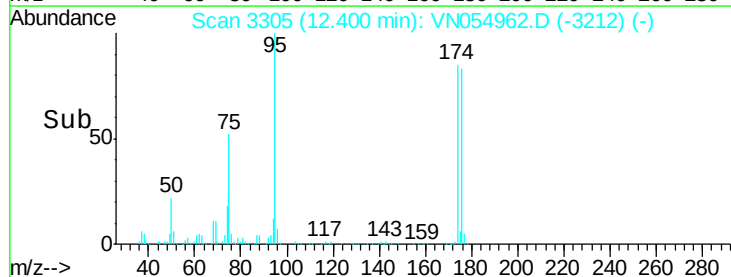
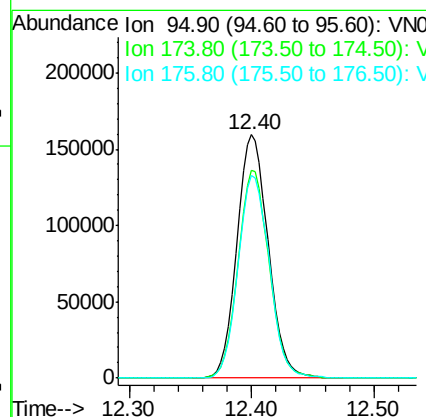
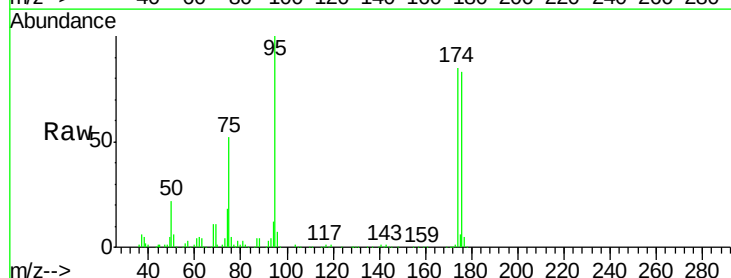
Instrument :
MSVOA_N
ClientSampleId :

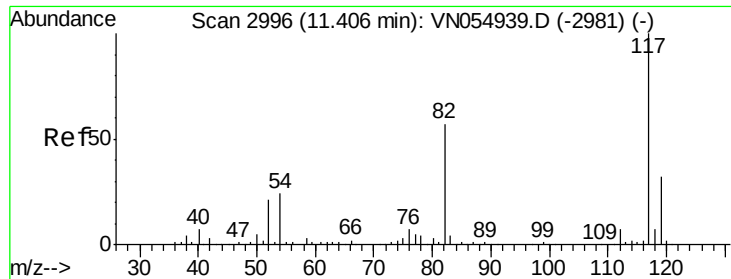
Tot Ion: 43 Resp: 3122
Ion Ratio Lower Upper
43 100
58 45.4 24.6 73.8



#62
4-Bromofluorobenzene
Concen: 43.010 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054962.D
Acq: 5 Apr 2019 9:34

Tgt Ion: 95 Resp: 284027
Ion Ratio Lower Upper
95 100
174 84.7 0.0 166.2
176 83.3 0.0 163.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054962.D

Acq: 5 Apr 2019 9:34

Instrument :

MSVOA_N

ClientSampled :

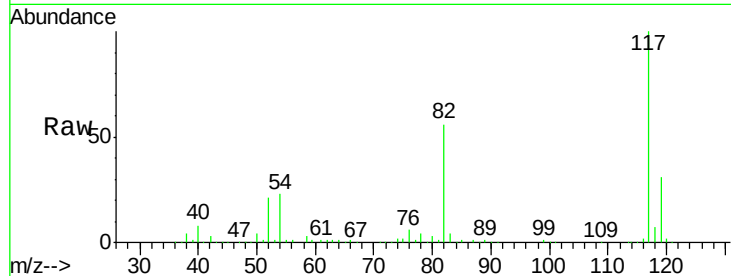
Tot Ion:117 Resp: 681115

Ion Ratio Lower Upper

117 100

82 55.8 45.3 67.9

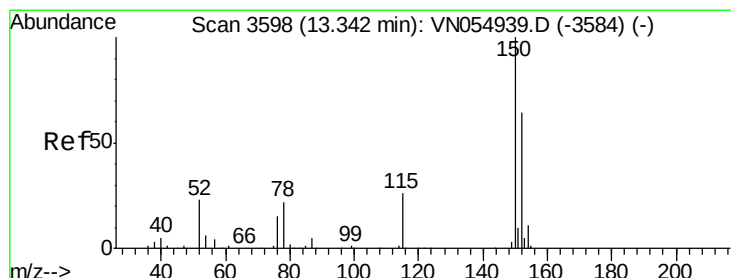
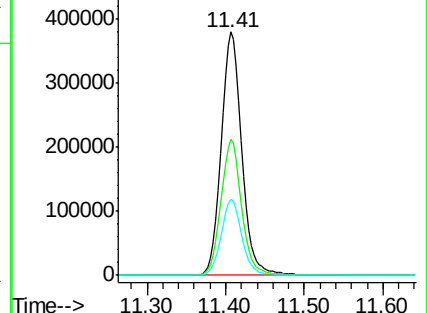
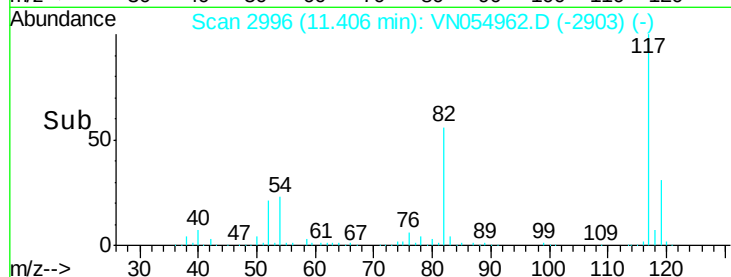
119 31.3 25.8 38.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054962.D

Acq: 5 Apr 2019 9:34

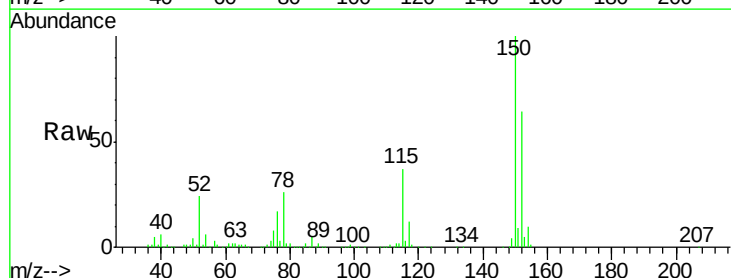
Tgt Ion:152 Resp: 227452

Ion Ratio Lower Upper

152 100

115 57.0 28.9 86.8

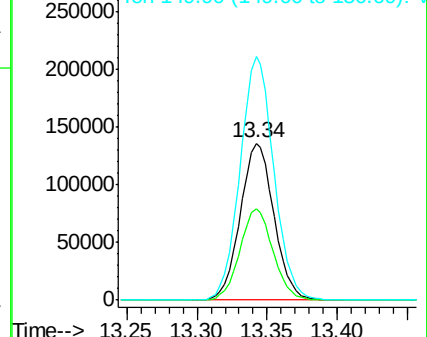
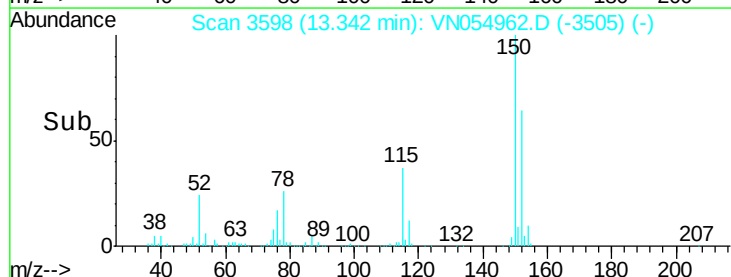
150 155.4 0.0 345.4

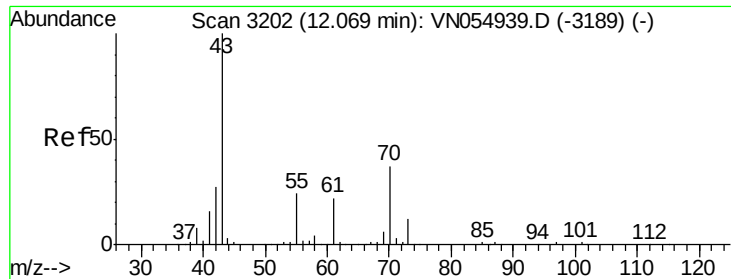


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.351 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054962.D

Acq: 5 Apr 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1877

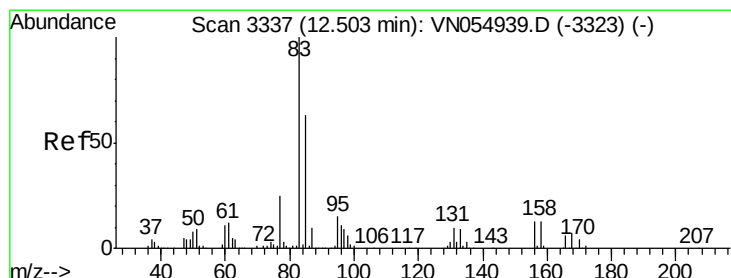
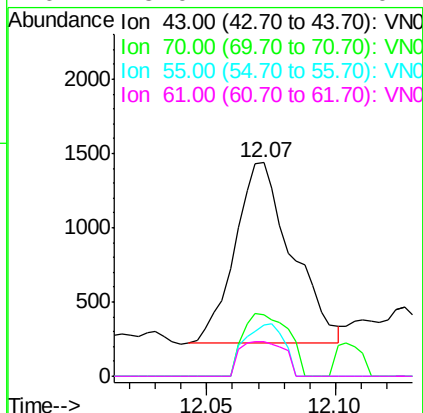
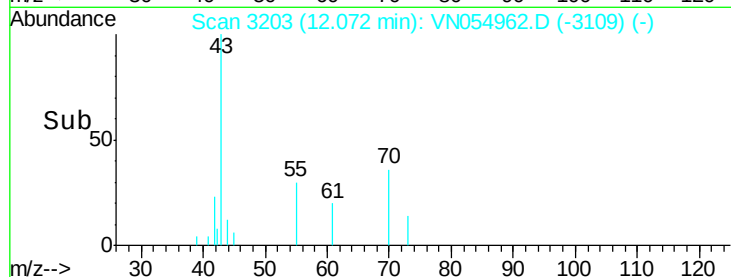
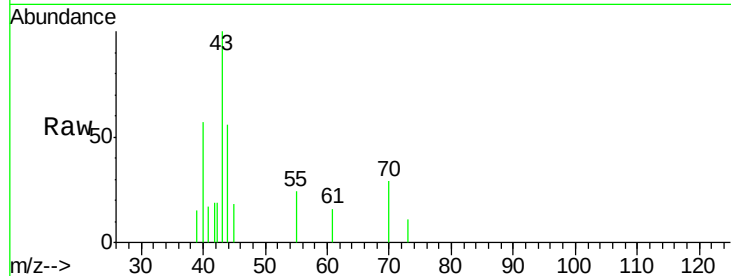
Ion Ratio Lower Upper

43 100

70 27.9 29.3 43.9#

55 20.3 19.2 28.8

61 15.0 17.4 26.2#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054962.D

Acq: 5 Apr 2019 9:34

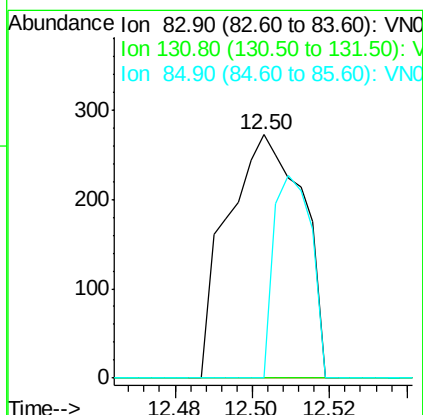
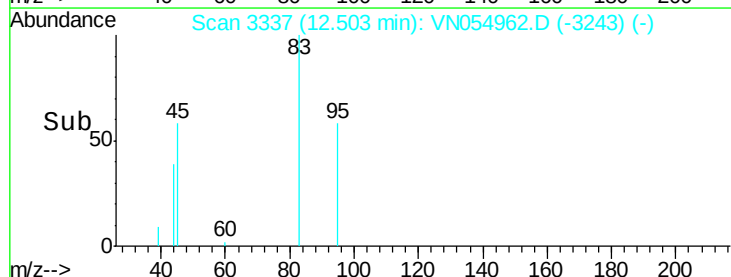
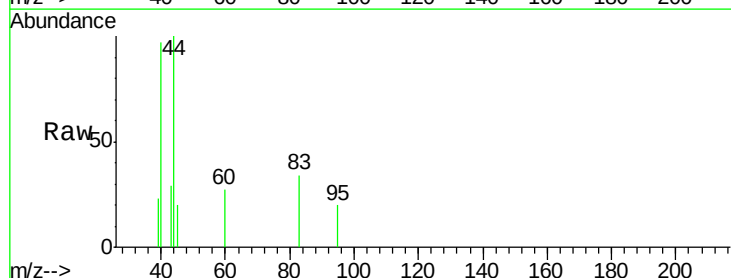
Tgt Ion: 83 Resp: 369

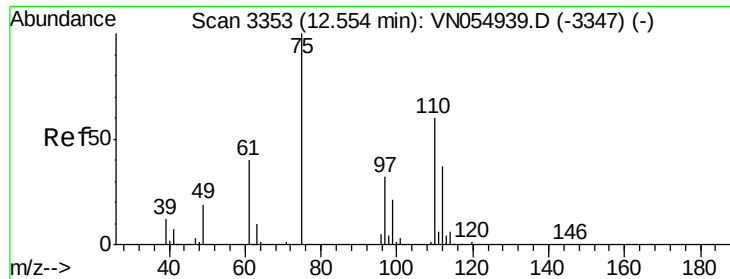
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 41.7 31.4 94.0

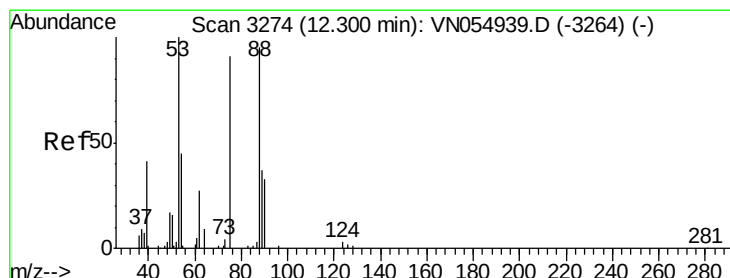
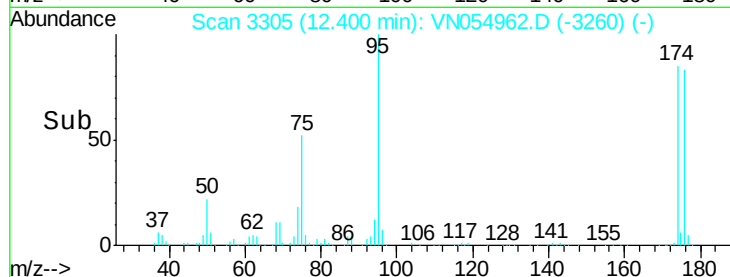
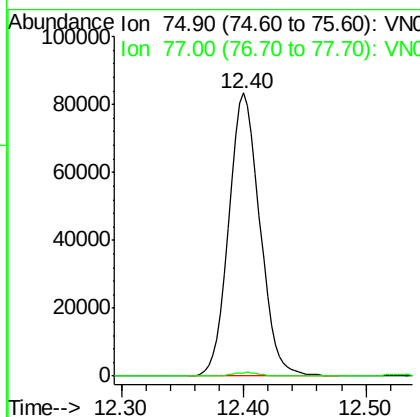
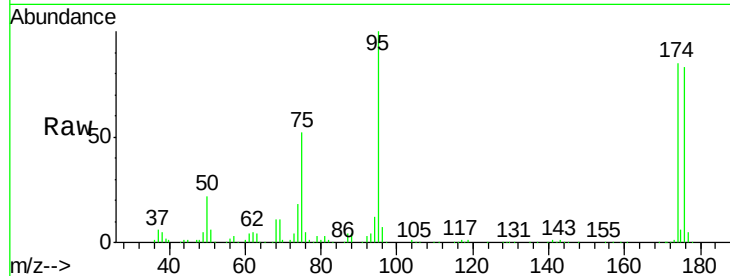




#76
 1,2,3-Trichloropropane
 Concen: 41.768 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN054962.D
 Acq: 5 Apr 2019 9:34

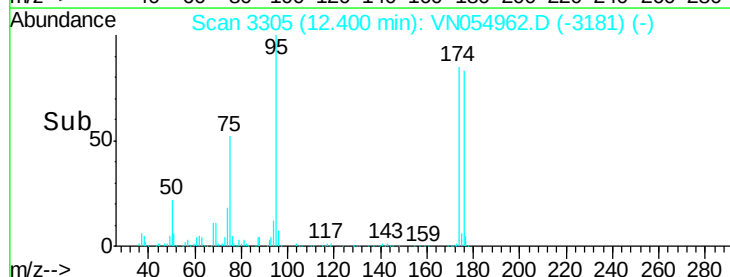
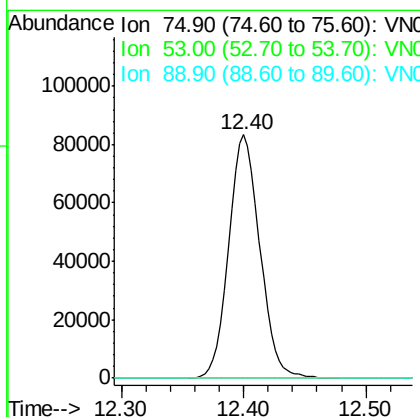
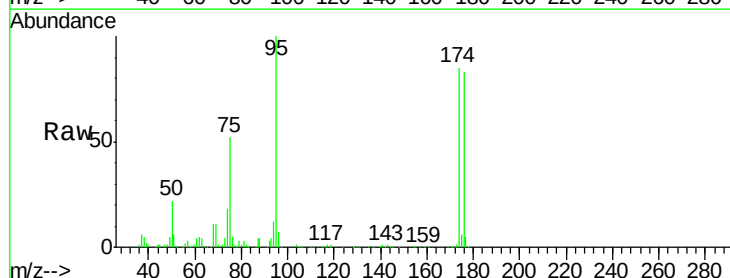
Instrument :
 MSVOA_N
 ClientSampled :

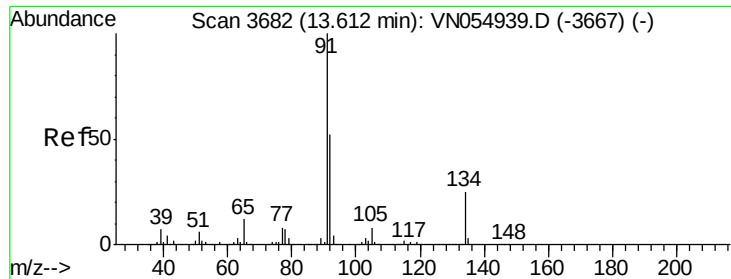
Tot Ion: 75 Resp: 148348
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.656 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054962.D
 Acq: 5 Apr 2019 9:34

Tgt Ion: 75 Resp: 148348
 Ion Ratio Lower Upper
 75 100
 53 0.0 92.8 139.2#
 89 0.0 36.7 55.1#





#89

n-Butylbenzene

Concen: 0.289 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054962.D

Acq: 5 Apr 2019 9:34

Instrument :

MSVOA_N

ClientSampled :

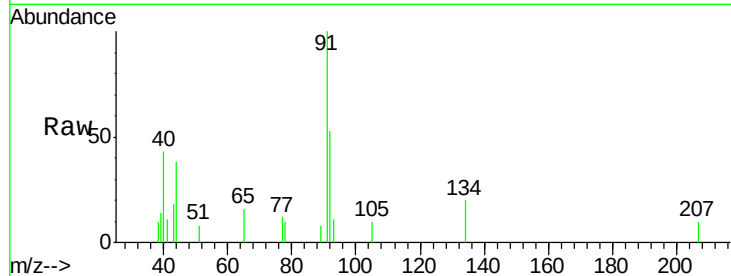
Tot Ion: 91 Resp: 3459

Ion Ratio Lower Upper

91 100

92 43.7 26.1 78.2

134 23.2 12.6 37.8

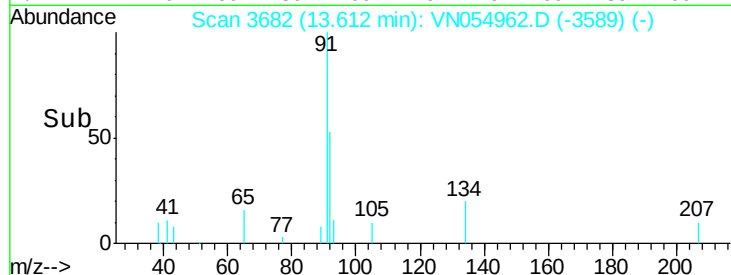


Abundance Ion 91.00 (90.70 to 91.70): VN054939.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054939.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054939.D (-3667) (-)

Time-->

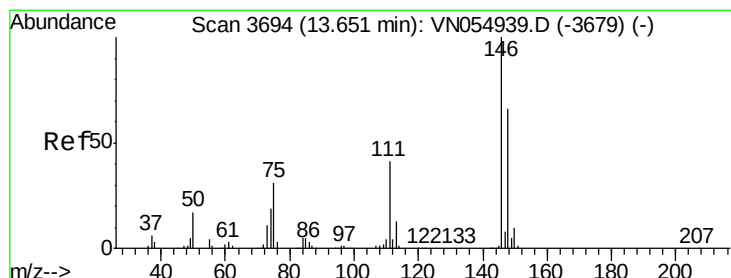


Abundance Ion 91.00 (90.70 to 91.70): VN054962.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN054962.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN054962.D (-3589) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.231 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.01 min

Lab File: VN054962.D

Acq: 5 Apr 2019 9:34

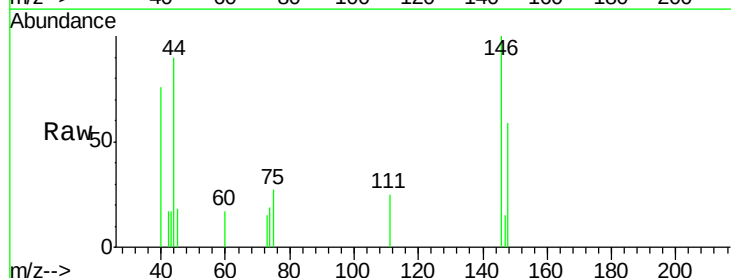
Tgt Ion: 146 Resp: 1756

Ion Ratio Lower Upper

146 100

111 30.4 20.2 60.5

148 51.7 32.1 96.5

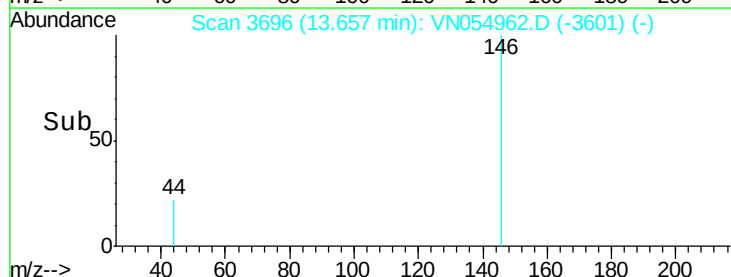


Abundance Ion 145.90 (145.60 to 146.60): VN054939.D (-3679) (-)

Ion 110.90 (110.60 to 111.60): VN054939.D (-3679) (-)

Ion 147.90 (147.60 to 148.60): VN054939.D (-3679) (-)

Time-->

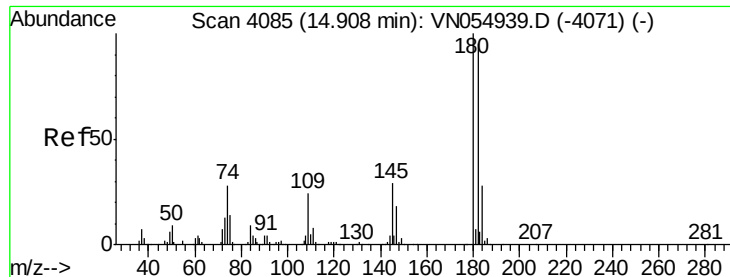


Abundance Ion 145.90 (145.60 to 146.60): VN054962.D (-3601) (-)

Ion 110.90 (110.60 to 111.60): VN054962.D (-3601) (-)

Ion 147.90 (147.60 to 148.60): VN054962.D (-3601) (-)

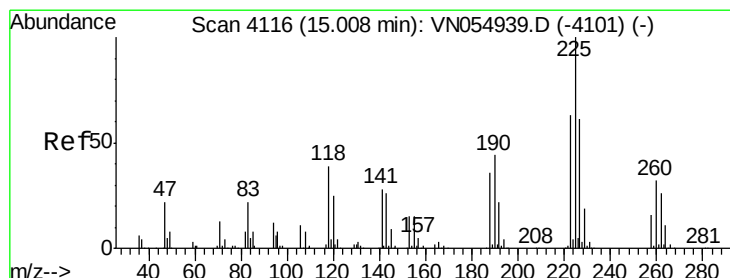
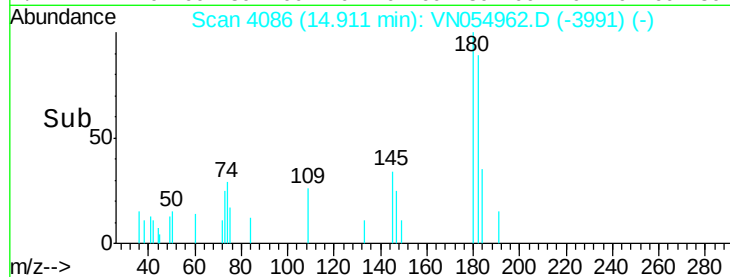
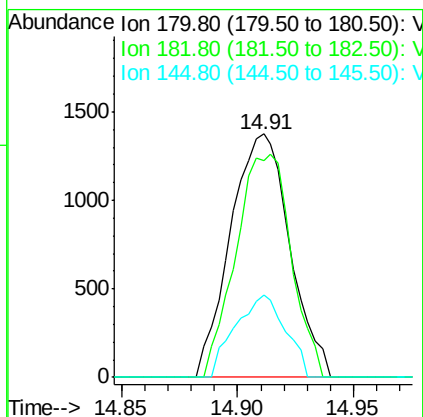
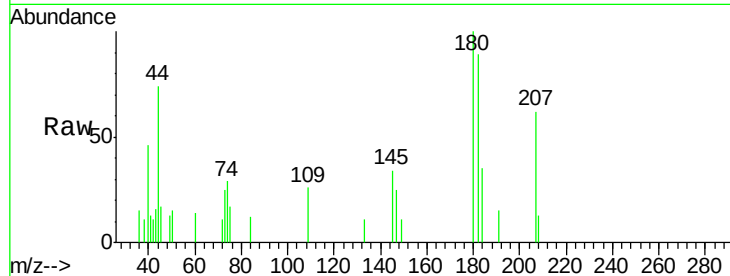
Time-->



#93
 1,2,4-Trichlorobenzene
 Concen: 3.038 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054962.D
 Acq: 5 Apr 2019 9:34

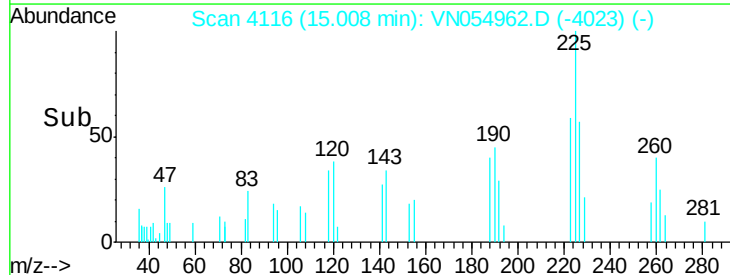
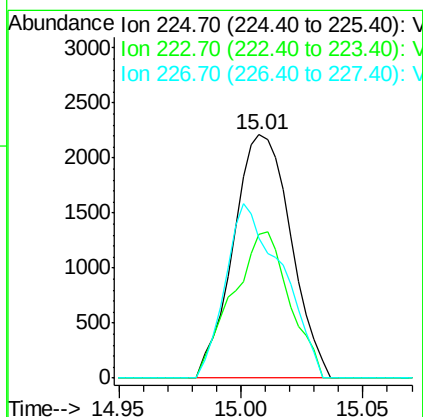
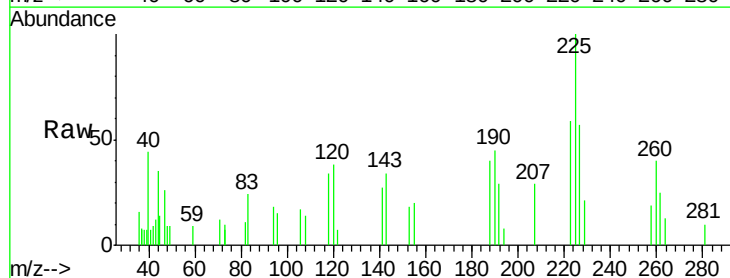
Instrument :
 MSVOA_N
 ClientSampleId :

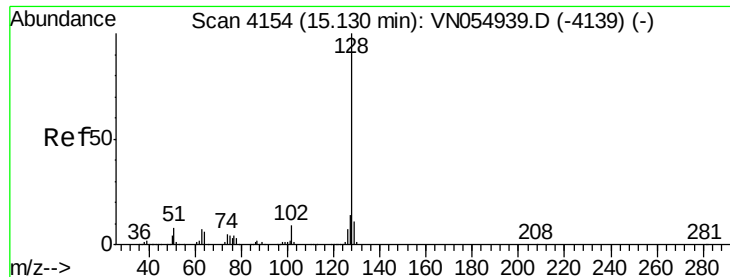
Tot Ion:180 Resp: 2441
 Ion Ratio Lower Upper
 180 100
 182 85.4 47.5 142.6
 145 28.6 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 1.425 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054962.D
 Acq: 5 Apr 2019 9:34

Tgt Ion:225 Resp: 3622
 Ion Ratio Lower Upper
 225 100
 223 59.2 31.1 93.5
 227 70.9 30.9 92.5





#95

Naphthalene

Concen: 3.570 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054962.D

Acq: 5 Apr 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

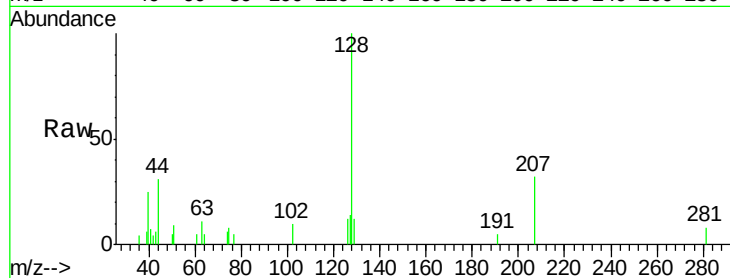
Tot Ion:128 Resp: 6411

Ion Ratio Lower Upper

128 100

127 12.5 10.6 16.0

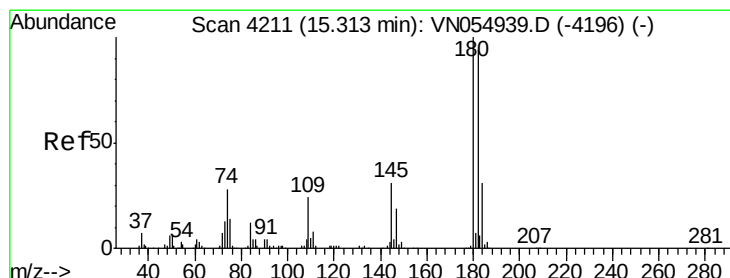
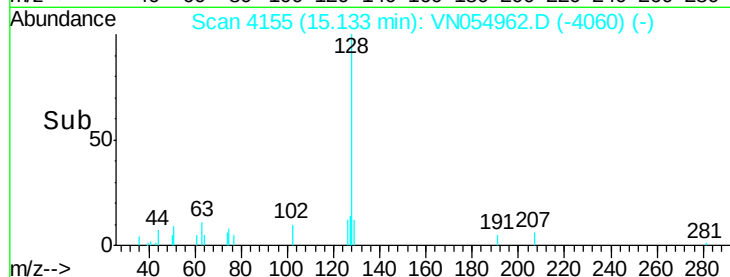
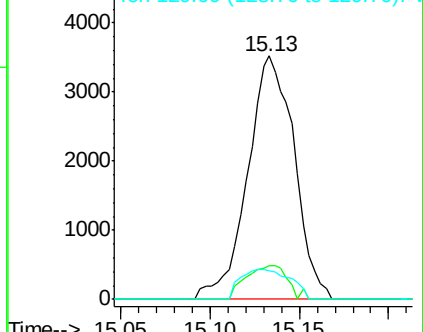
129 13.1 8.6 13.0#



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: 0.920 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054962.D

Acq: 5 Apr 2019 9:34

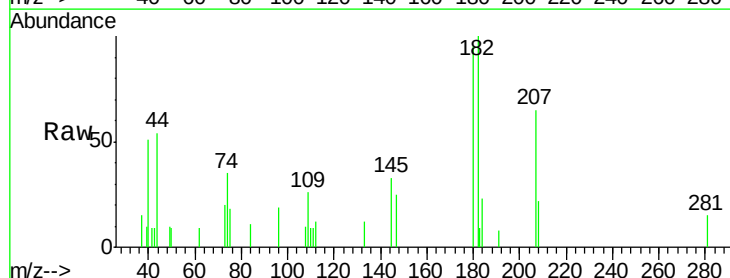
Tgt Ion:180 Resp: 3212

Ion Ratio Lower Upper

180 100

182 102.9 47.5 142.5

145 33.6 15.6 46.8



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

