

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054353.D
 Acq On : 16 Mar 2019 22:41
 Operator : JC/SP
 Sample : K1938-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 W-1

Quant Time: Mar 18 04:56:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1861828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2667406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2166763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	753553	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	935828	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
35) Dibromofluoromethane	7.59	113	817467	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	10.09	98	3004762	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
62) 4-Bromofluorobenzene	12.40	95	874338	39.33	ug/l	0.00
Spiked Amount			Recovery	=	78.66%	

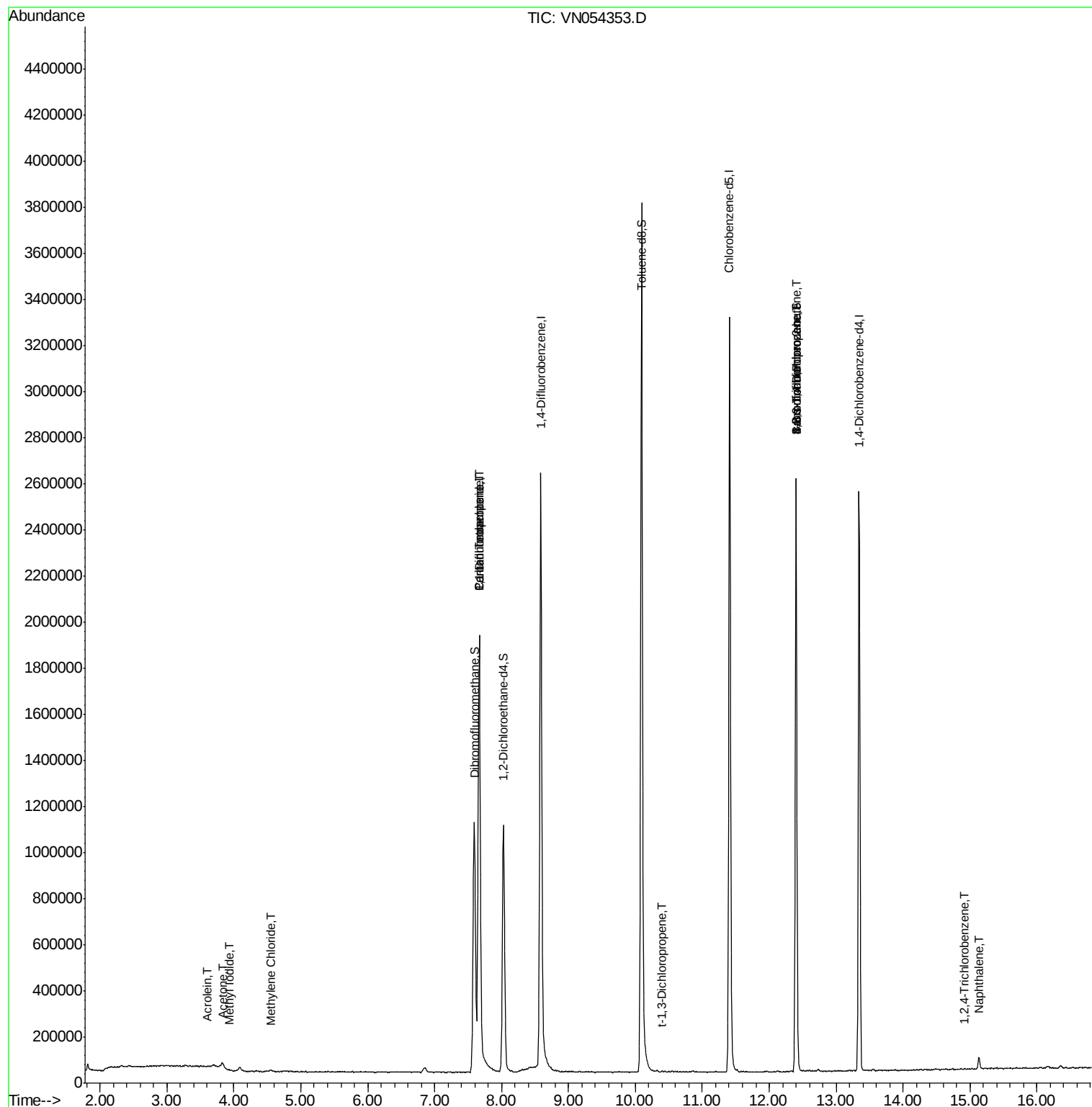
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	257	1.506	ug/l #	45
13) Acrolein	3.60	56	449	0.350	ug/l	93
16) Acetone	3.82	43	30530	5.393	ug/l	90
20) Methylene Chloride	4.55	84	4063	0.219	ug/l #	84
31) Cyclohexane	7.66	56	28162	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	106216	4.324	ug/l #	48
38) Carbon Tetrachloride	7.67	117	151358	5.876	ug/l #	16
53) t-1,3-Dichloropropene	10.39	75	76	1.989	ug/l #	42
71) Bromoform	12.40	173	4846	2.701	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	417702	37.694	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	417702	128.856	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	253	2.532	ug/l #	53
95) Naphthalene	15.13	128	46698	4.785	ug/l	100

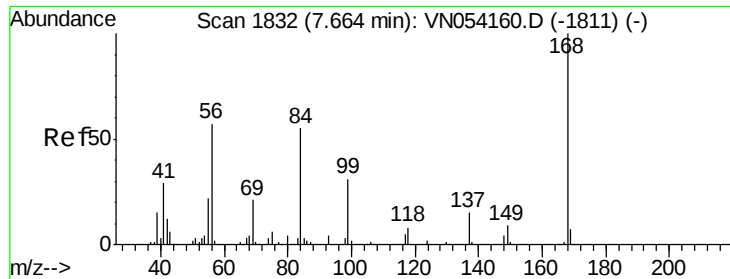
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031619\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
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: VN054353.D

Acq: 16 Mar 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

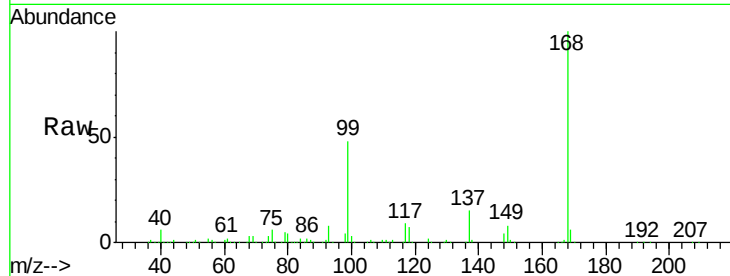
W-1

Tot Ion:168 Resp: 1861828

Ion Ratio Lower Upper

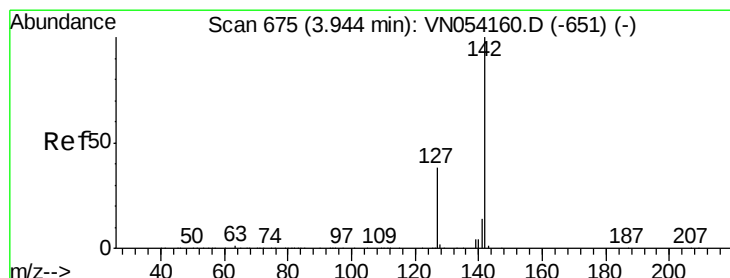
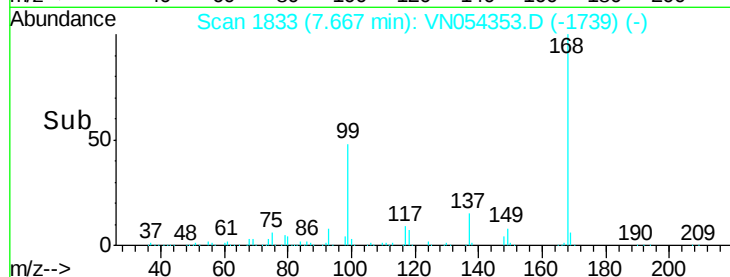
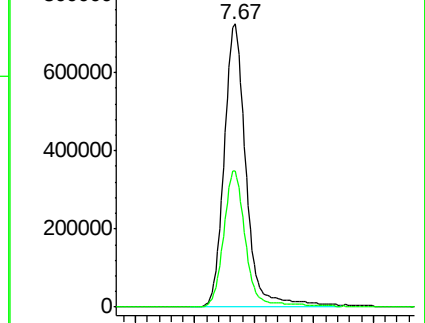
168 100

99 48.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#10

Methyl Iodide

Concen: 1.506 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054353.D

Acq: 16 Mar 2019 22:41

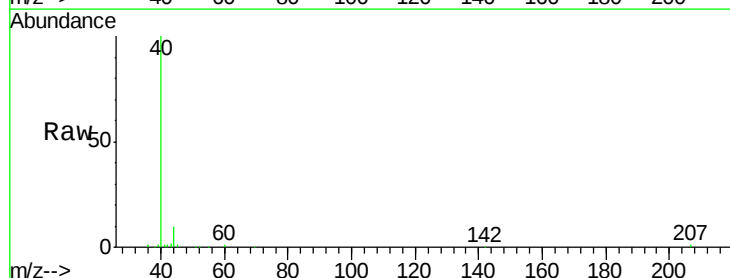
Tgt Ion:142 Resp: 257

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

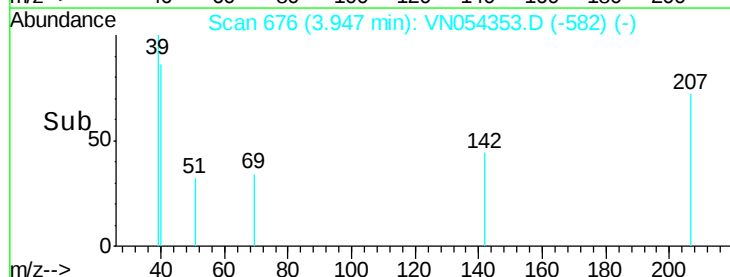
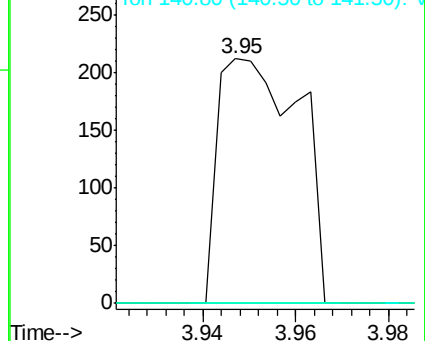
141 0.0 11.2 16.8#

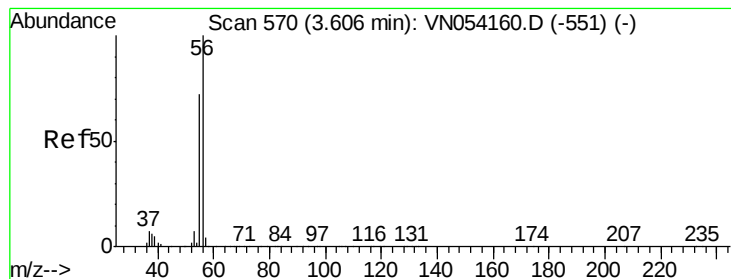


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.350 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN054353.D

Acq: 16 Mar 2019 22:41

Instrument :

MSVOA_N

ClientSampled :

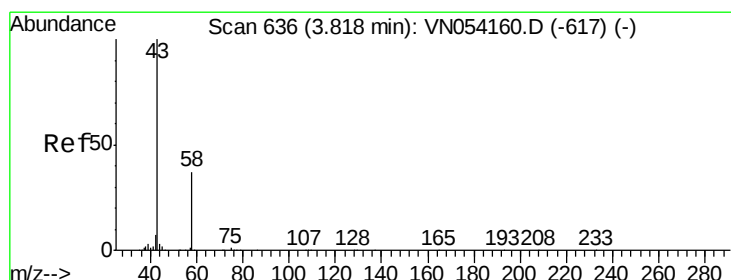
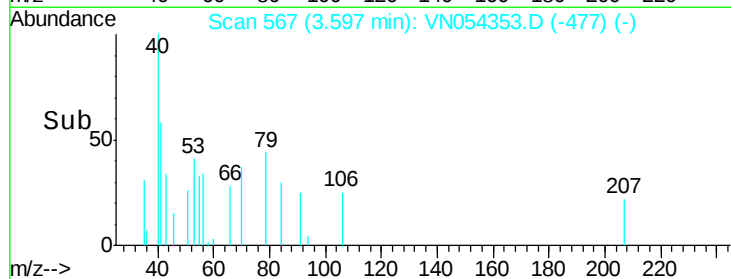
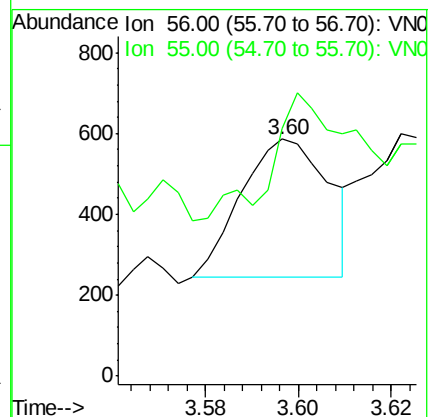
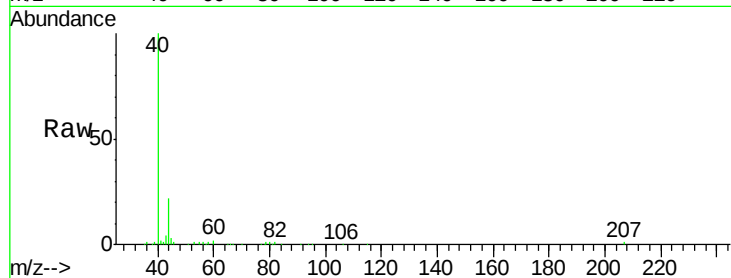
W-1

Tot Ion: 56 Resp: 449

Ion Ratio Lower Upper

56 100

55 65.3 56.7 85.1



#16

Acetone

Concen: 5.393 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054353.D

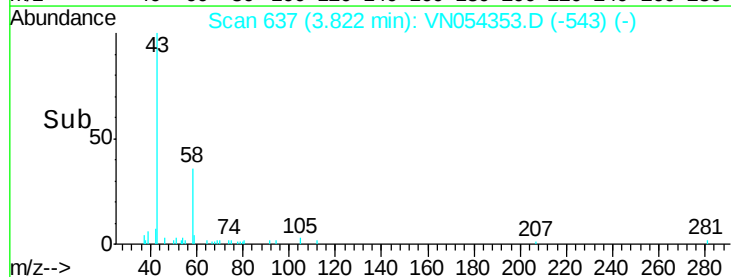
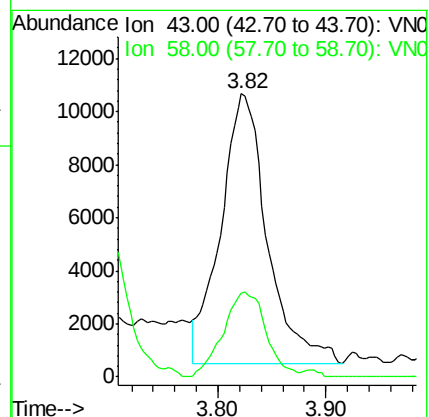
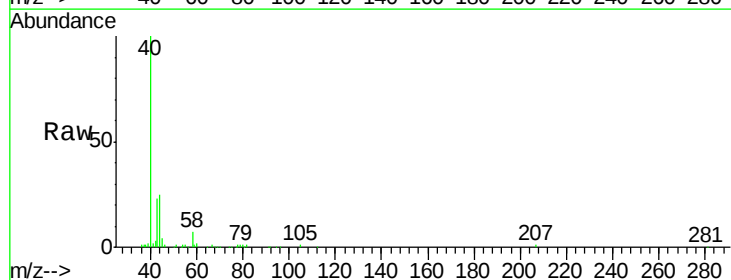
Acq: 16 Mar 2019 22:41

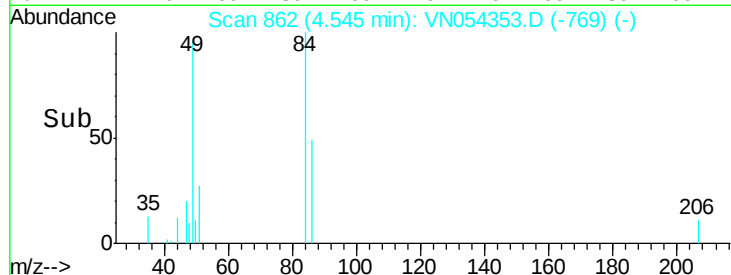
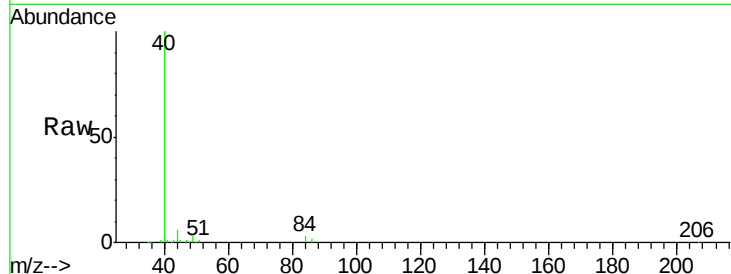
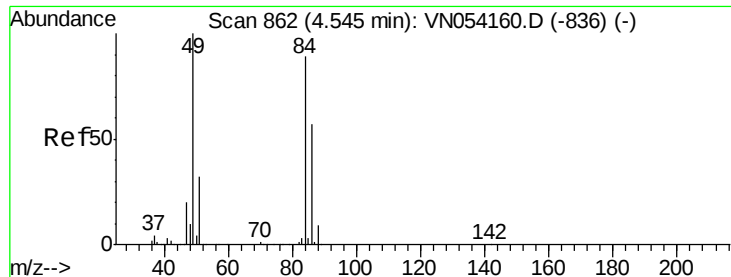
Tgt Ion: 43 Resp: 30530

Ion Ratio Lower Upper

43 100

58 31.1 29.9 44.9

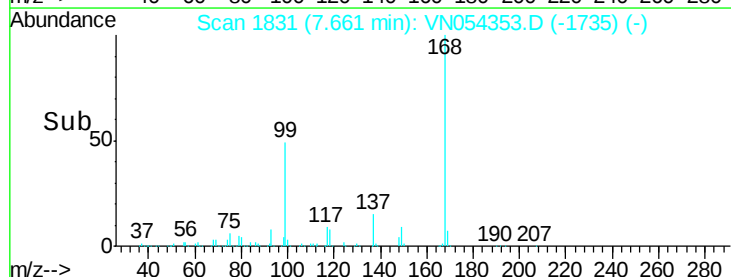
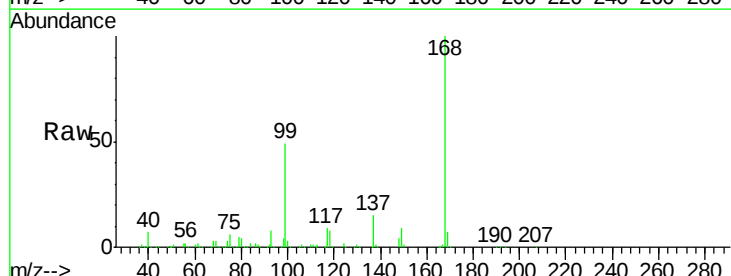
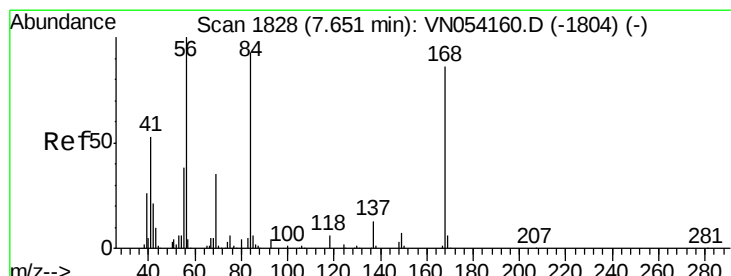
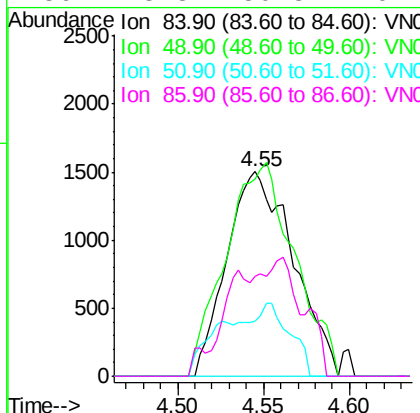




#20
Methvlene Chloride
Concen: 0.219 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

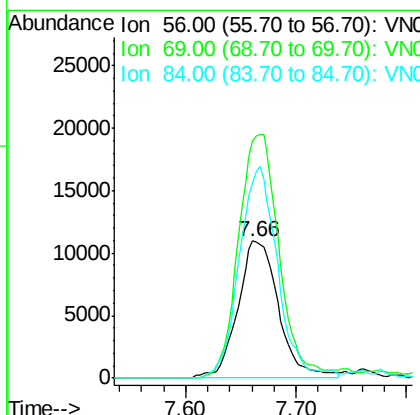
Instrument :
MSVOA_N
ClientSampleId :
W-1

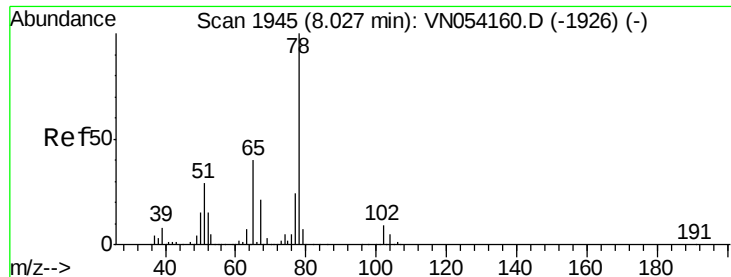
Tot Ion: 84 Resp: 4063
Ion Ratio Lower Upper
84 100
49 96.3 89.7 134.5
51 26.8 28.2 42.4#
86 48.8 50.8 76.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

Tgt Ion: 56 Resp: 28162
Ion Ratio Lower Upper
56 100
69 173.2 27.8 41.6#
84 142.1 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 47.329 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054353.D

Acq: 16 Mar 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

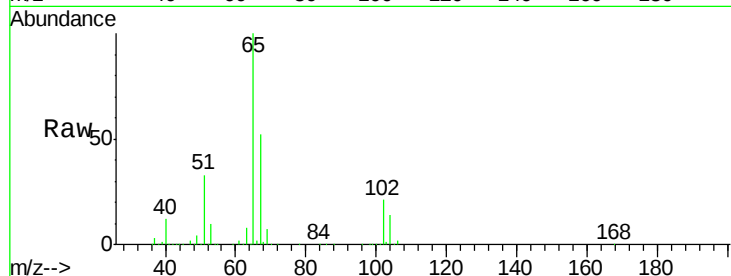
W-1

Tot Ion: 65 Resp: 935828

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054353.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054353.D (-1852) (-)

8.03

400000

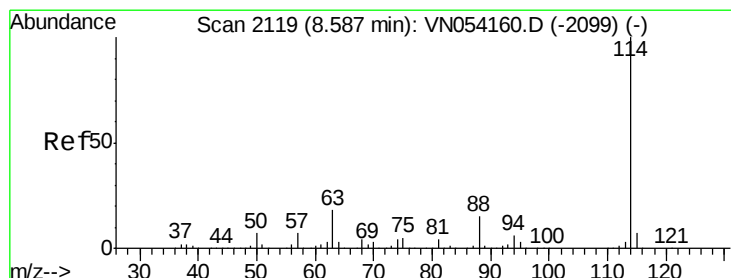
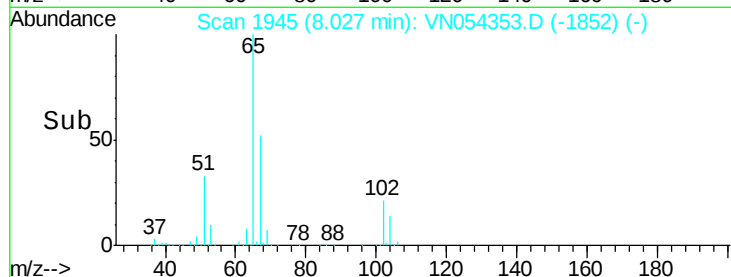
300000

200000

100000

0

Time--> 7.90 8.00 8.10 8.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054353.D

Acq: 16 Mar 2019 22:41

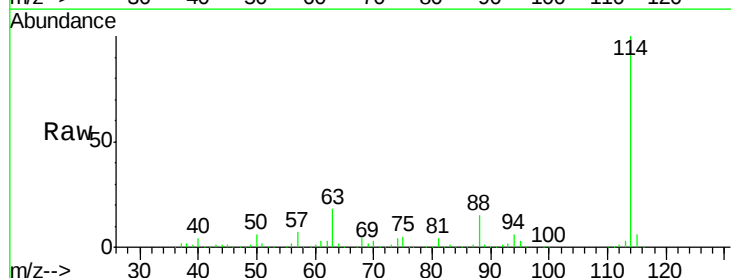
Tgt Ion: 114 Resp: 2667406

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

88 14.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054353.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054353.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054353.D (-2026) (-)

8.59

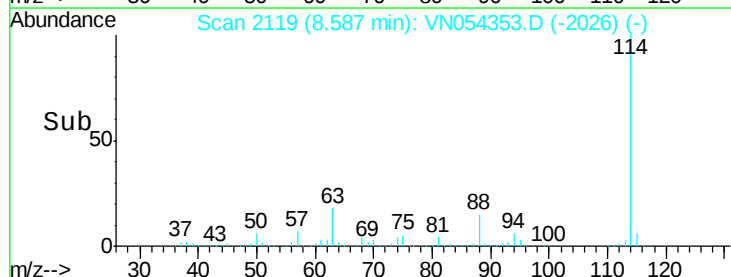
1500000

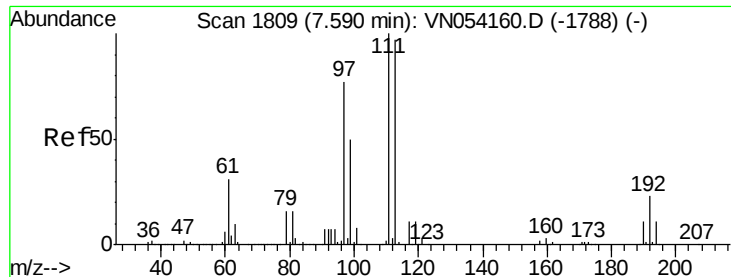
1000000

500000

0

Time--> 8.50 8.60 8.70 8.80

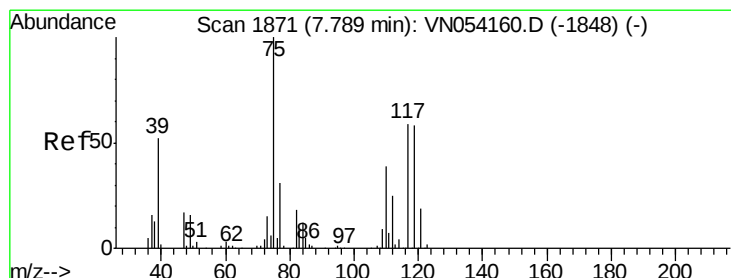
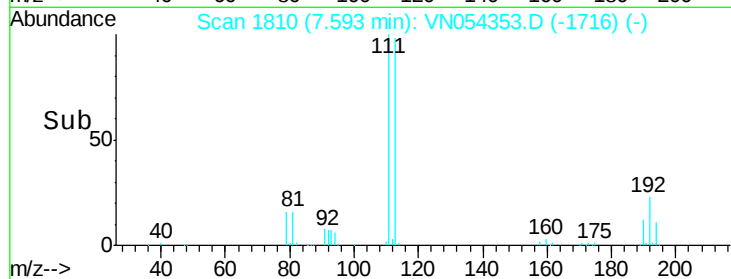
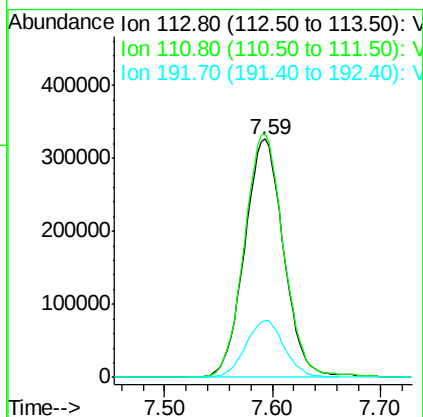
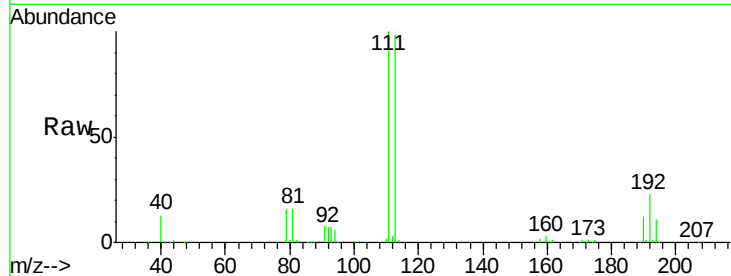




#35
 Dibromofluoromethane
 Concen: 47.517 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054353.D
 Acq: 16 Mar 2019 22:41

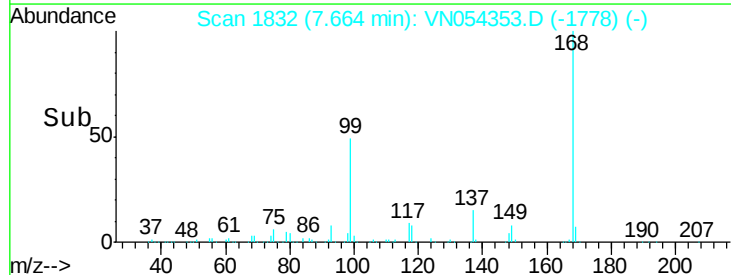
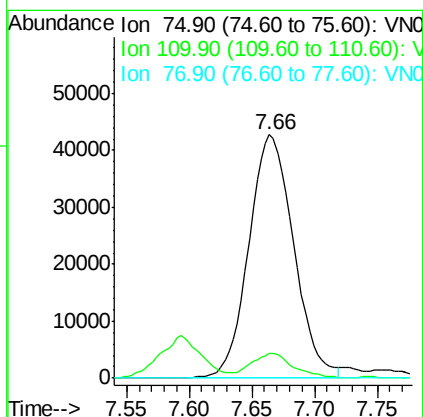
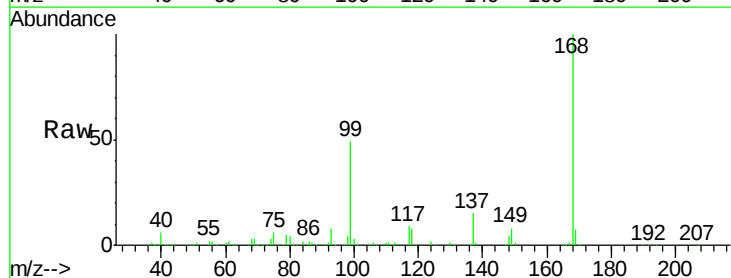
Instrument :
 MSVOA_N
 ClientSampleId :
 W-1

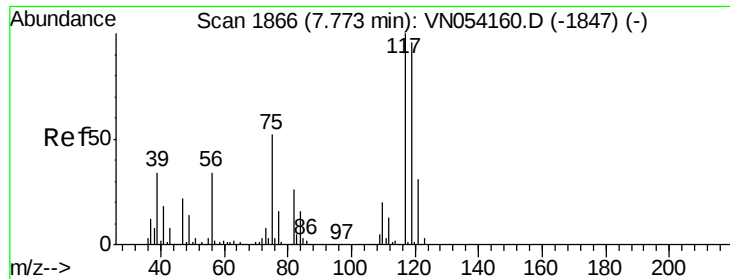
Tot Ion:113 Resp: 817467
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.2 123.4
 192 23.8 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 4.324 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054353.D
 Acq: 16 Mar 2019 22:41

Tgt Ion: 75 Resp: 106216
 Ion Ratio Lower Upper
 75 100
 110 9.5 19.1 57.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.876 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054353.D

Acq: 16 Mar 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

W-1

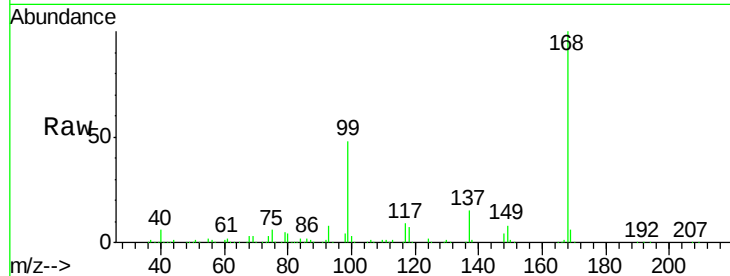
Tot Ion:117 Resp: 151358

Ion Ratio Lower Upper

117 100

119 4.5 76.3 114.5#

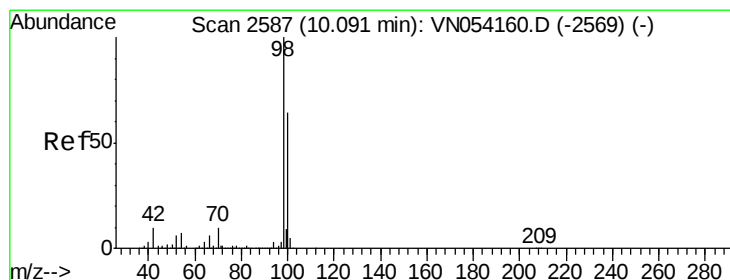
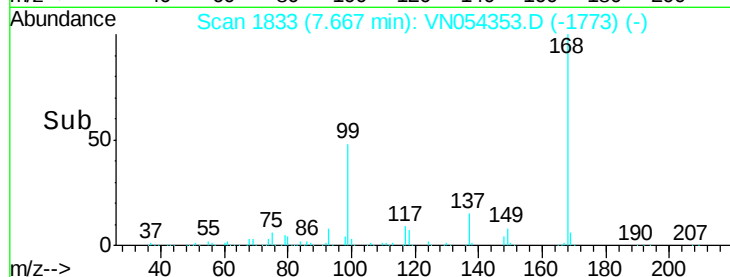
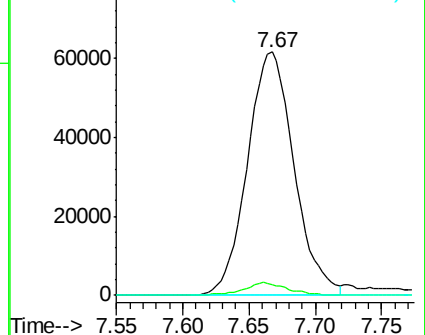
121 0.0 24.6 36.8#



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: 47.293 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054353.D

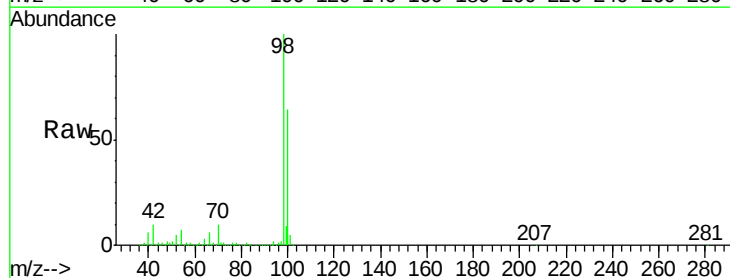
Acq: 16 Mar 2019 22:41

Tgt Ion: 98 Resp: 3004762

Ion Ratio Lower Upper

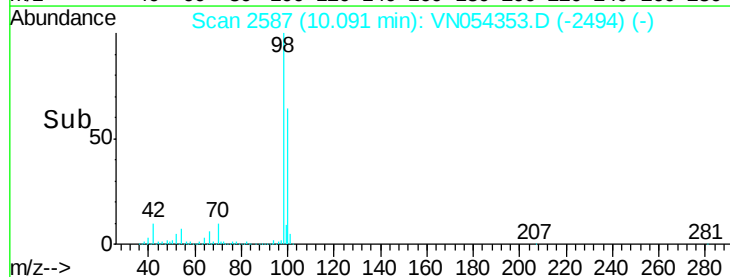
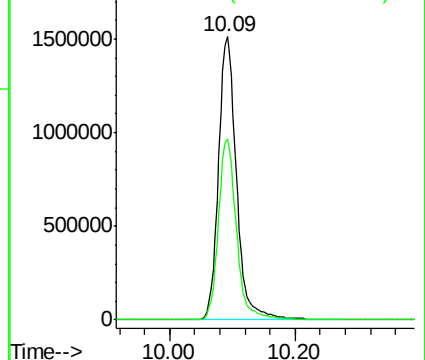
98 100

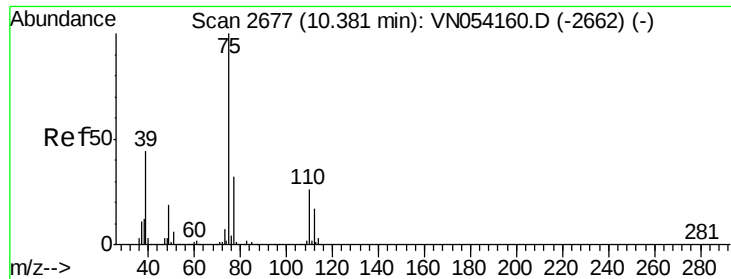
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#53

t-1,3-Dichloropropene

Concen: 1.989 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.01 min

Lab File: VN054353.D

Acq: 16 Mar 2019 22:41

Instrument :

MSVOA_N

ClientSampled :

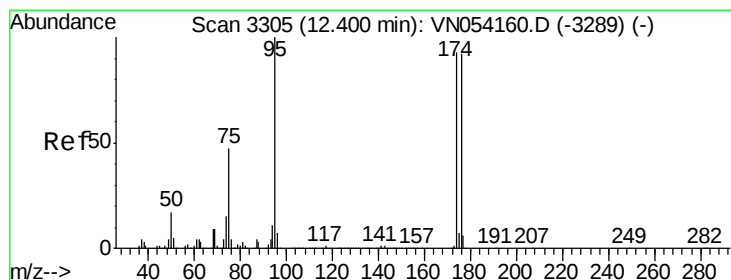
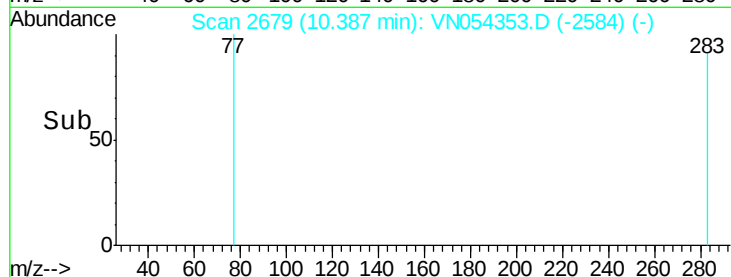
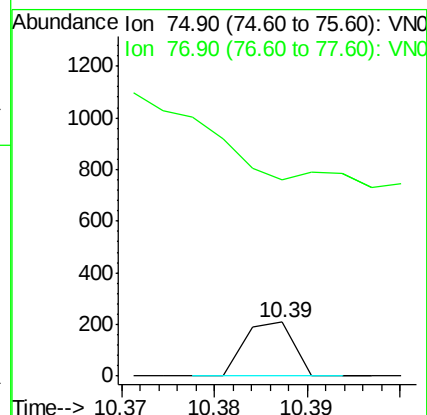
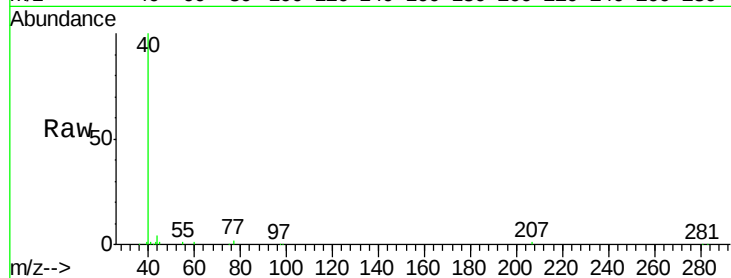
W-1

Tot Ion: 75 Resp: 76

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#



#62

4-Bromofluorobenzene

Concen: 39.329 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054353.D

Acq: 16 Mar 2019 22:41

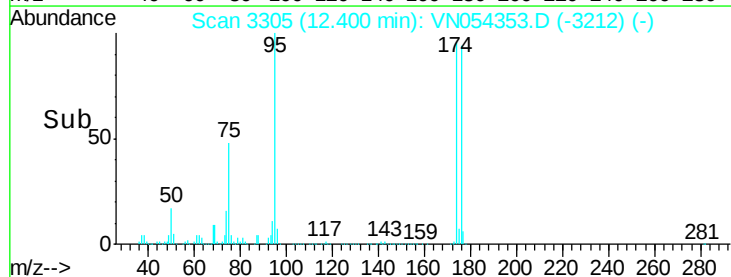
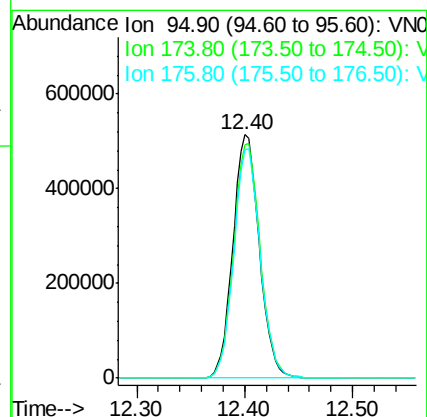
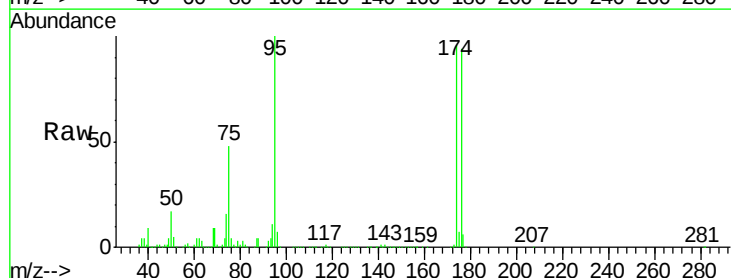
Tgt Ion: 95 Resp: 874338

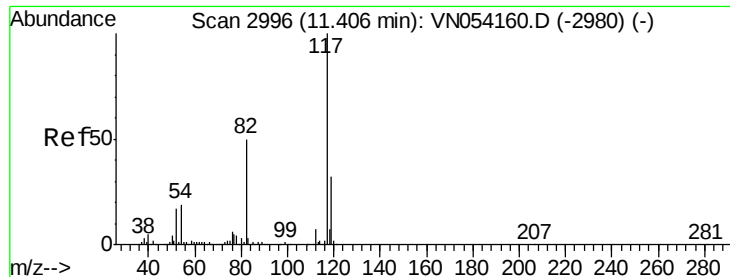
Ion Ratio Lower Upper

95 100

174 97.5 0.0 191.0

176 94.1 0.0 187.4

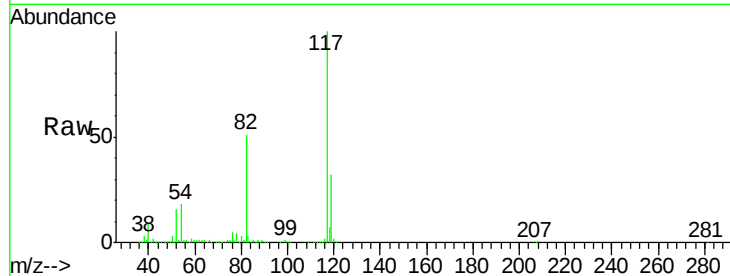




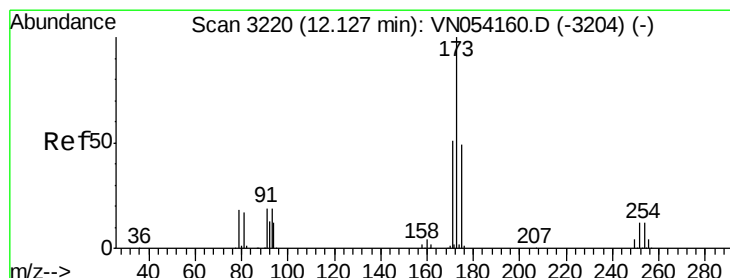
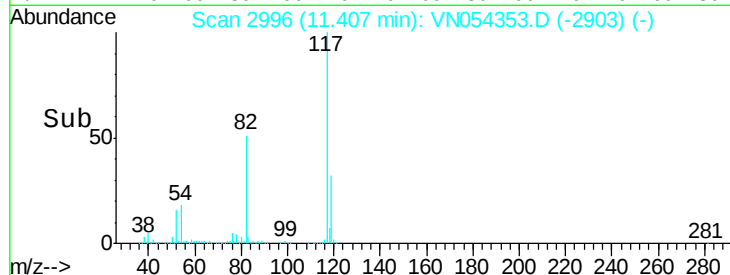
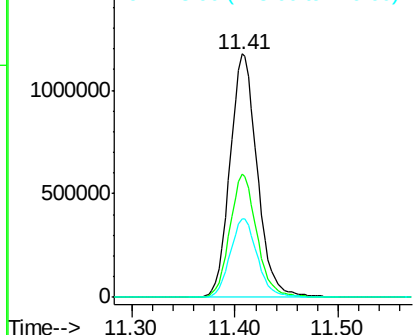
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

Instrument :
MSVOA_N
ClientSampleId :
W-1

Tot Ion:117 Resp: 2166763
Ion Ratio Lower Upper
117 100
82 50.6 40.0 60.0
119 32.3 25.8 38.6

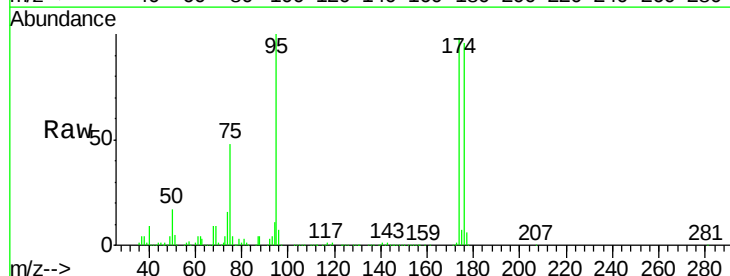


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

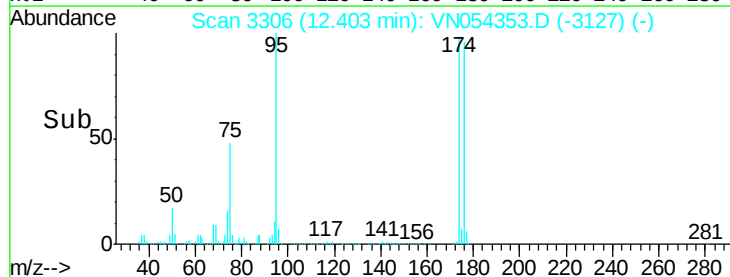
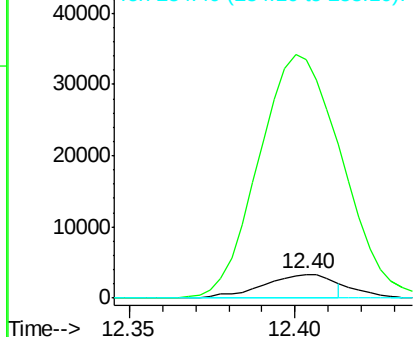


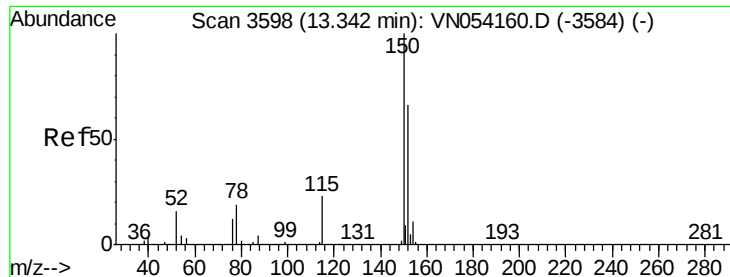
#71
Bromoform
Concen: 2.701 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

Tgt Ion:173 Resp: 4846
Ion Ratio Lower Upper
173 100
175 1057.2 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: VN054353.D

Acq: 16 Mar 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

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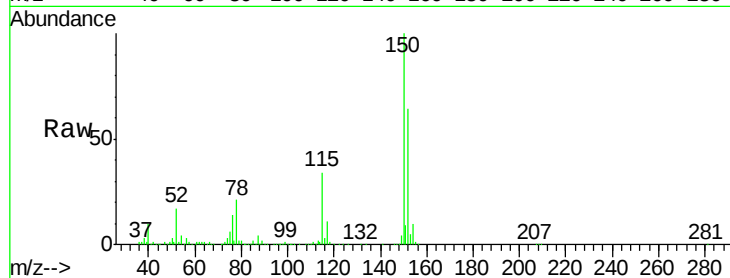
Tot Ion:152 Resp: 753553

Ion Ratio Lower Upper

152 100

115 55.1 27.2 81.6

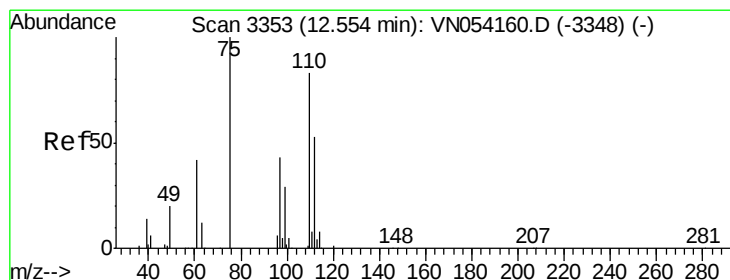
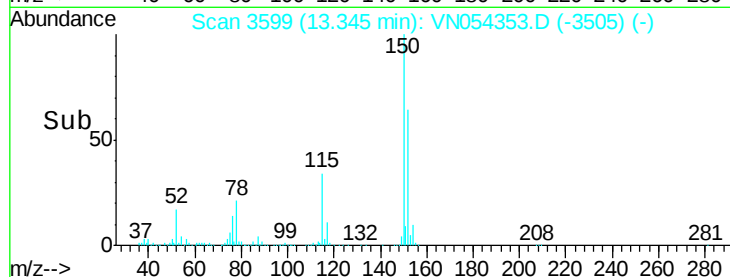
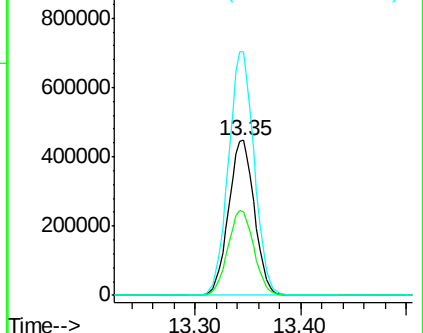
150 156.9 0.0 349.2



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: 37.694 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054353.D

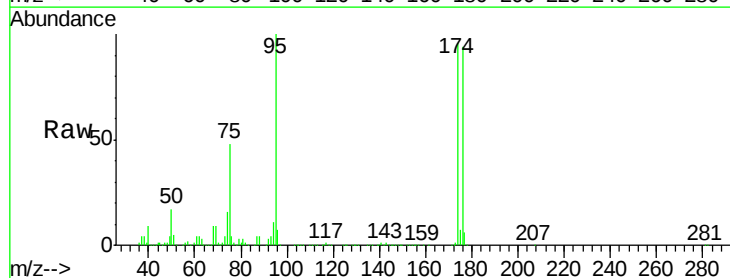
Acq: 16 Mar 2019 22:41

Tgt Ion: 75 Resp: 417702

Ion Ratio Lower Upper

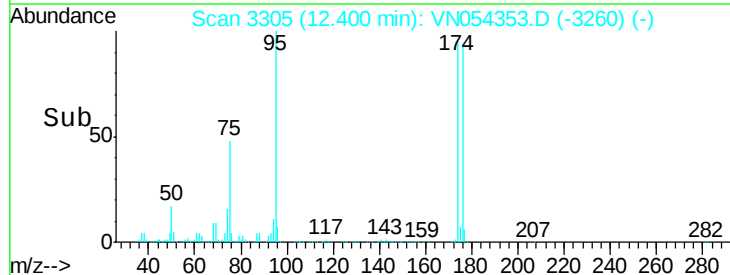
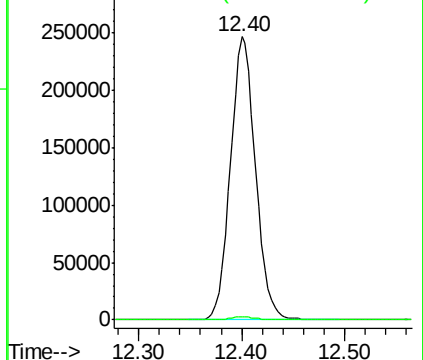
75 100

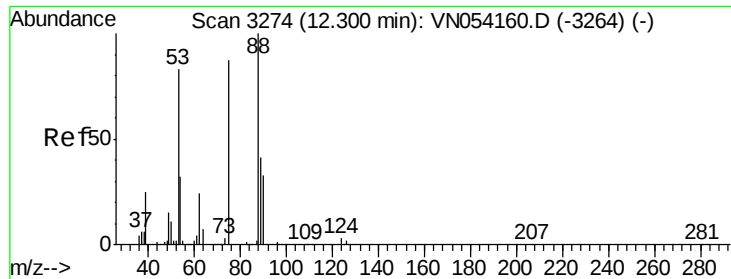
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

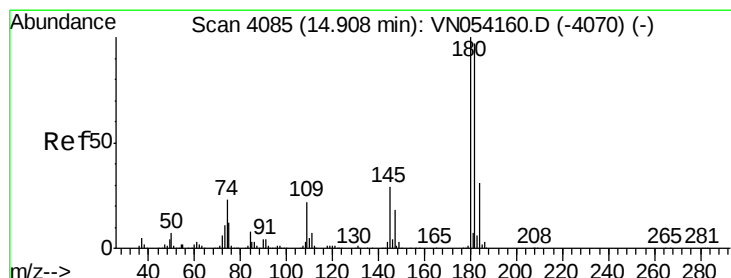
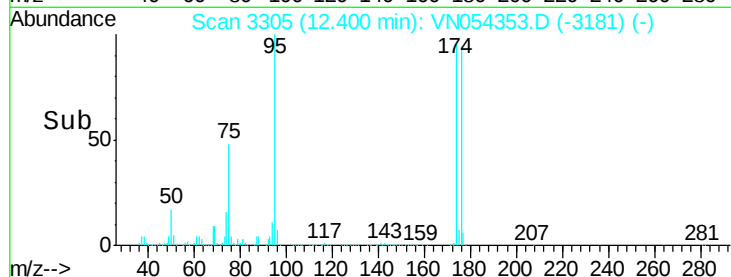
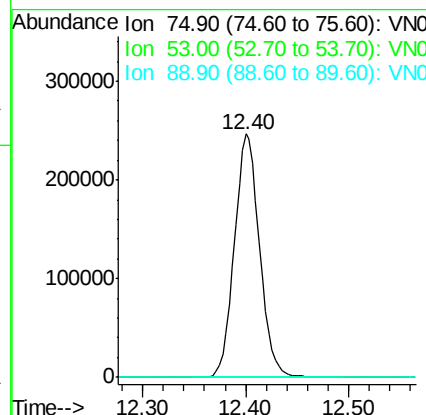
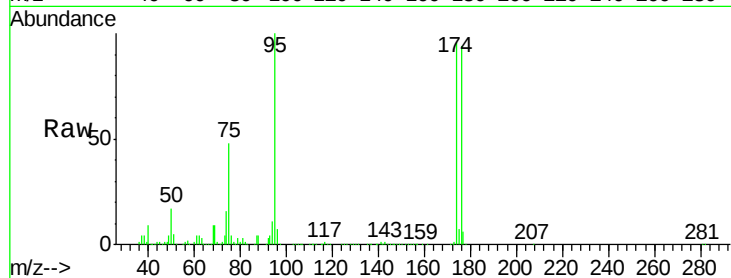




#81
trans-1,4-Dichloro-2-butene
Concen: 128.856 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

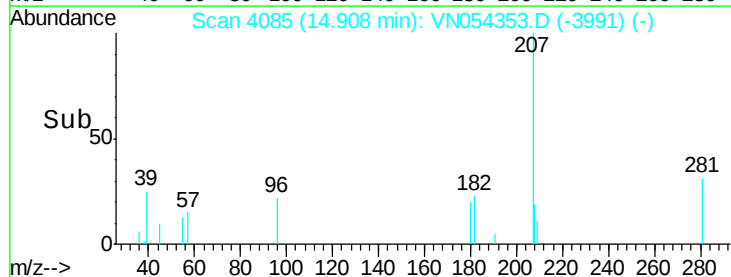
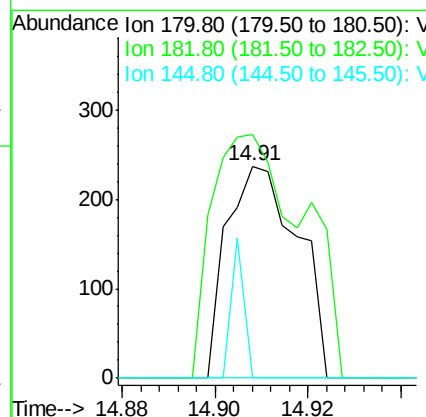
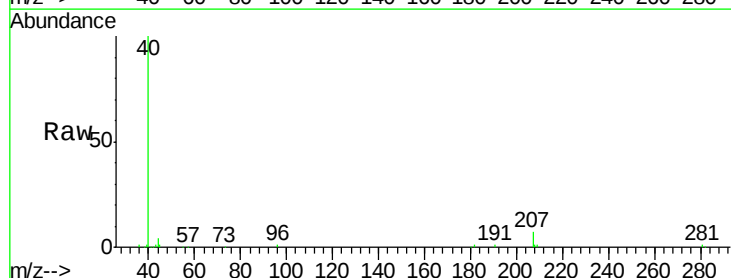
Instrument :
MSVOA_N
ClientSampleId :
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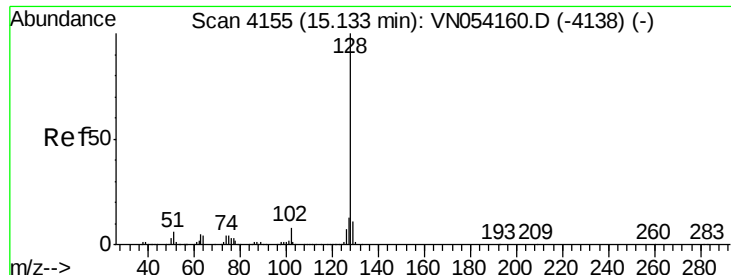
Tot Ion: 75 Resp: 417702
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.532 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

Tgt Ion: 180 Resp: 253
Ion Ratio Lower Upper
180 100
182 146.6 48.0 144.2#
145 11.9 14.2 42.8#





#95

Naphthalene

Concen: 4.785 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054353.D

Acq: 16 Mar 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

W-1

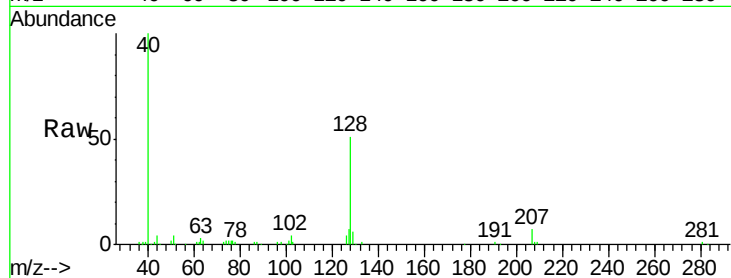
Tot Ion:128 Resp: 46698

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 11.2 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

