

Data File : VN059958.D
Acq On : 31 Jan 2020 19:06
Operator : JC/MD
Sample : L1329-17 50X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
40098

Quant Time: Feb 03 01:23:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	294202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	268622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	106719	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	7.57	113	89662	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.08	98	352771	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.40	95	122636	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	

Target Compounds

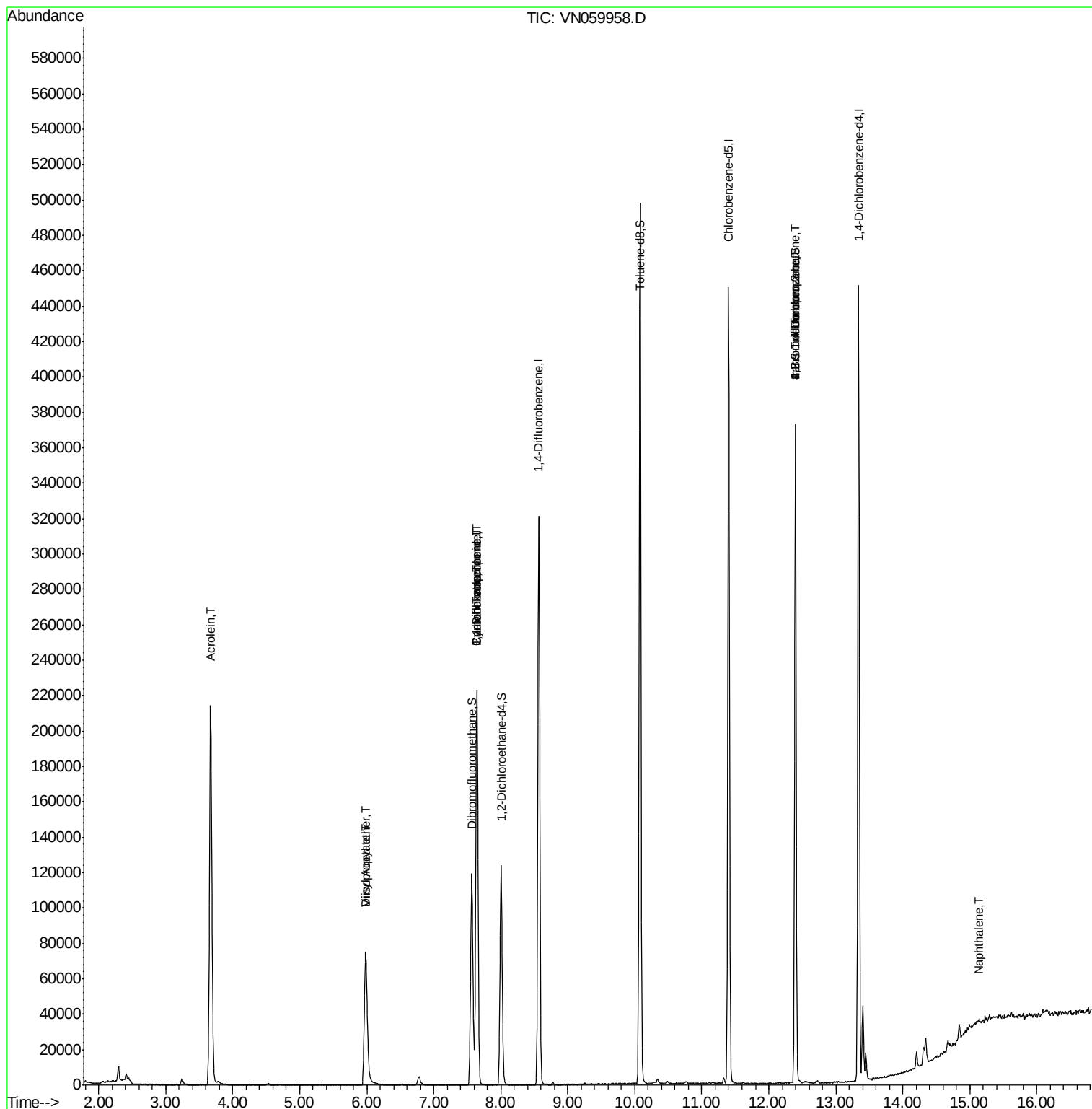
						Qvalue
13) Acrolein	3.66	56	3046	12.028	ug/l #	1
16) Acetone	3.79	43	2936	Below Cal	#	49
20) Methylene Chloride	4.52	84	218	Below Cal	#	36
22) Diisopropyl ether	5.99	45	6085	1.138	ug/l #	1
23) Vinyl Acetate	5.99	43	16553	3.998	ug/l #	74
31) Cyclohexane	7.64	56	3837	1.220	ug/l #	4
36) 1,1-Dichloropropene	7.64	75	13334	5.204	ug/l #	51
38) Carbon Tetrachloride	7.64	117	17429	6.254	ug/l #	16
76) 1,2,3-Trichloropropane	12.40	75	63264	30.580	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	63264	65.671	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.24	75	128	Below Cal	#	6
95) Naphthalene	15.13	128	1492	0.223	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059958.D

Acq: 31 Jan 2020 19:06

Instrument :

MSVOA_N

ClientSampled :

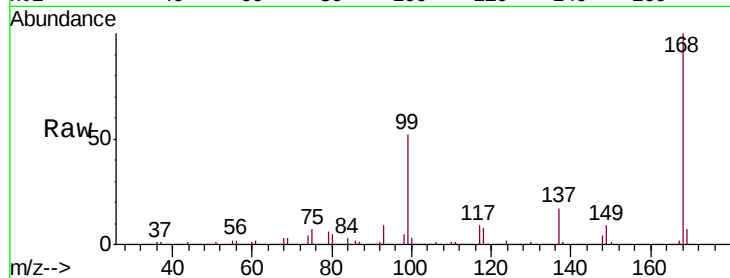
40098

Tgt Ion:168 Resp: 191364

Ion Ratio Lower Upper

168 100

99 52.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059958.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059958.D (-1732) (-)

7.64

80000

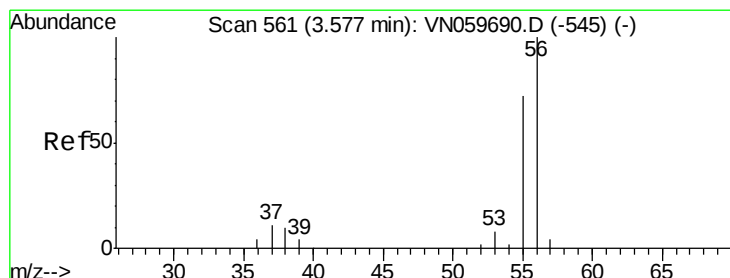
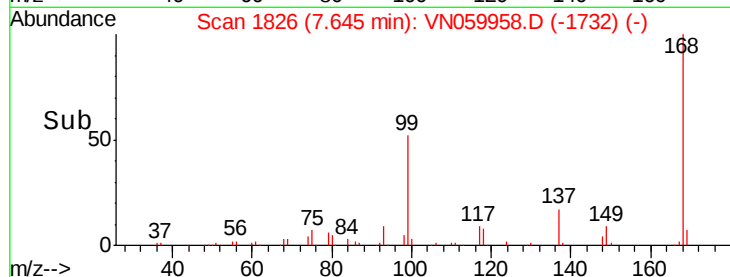
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#13

Acrolein

Concen: 12.028 ug/l

RT: 3.66 min Scan# 588

Delta R.T. 0.09 min

Lab File: VN059958.D

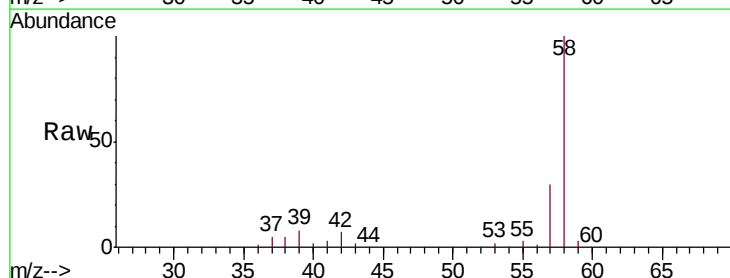
Acq: 31 Jan 2020 19:06

Tgt Ion: 56 Resp: 3046

Ion Ratio Lower Upper

56 100

55 351.9 58.6 88.0#



Abundance Ion 56.00 (55.70 to 56.70): VN059958.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN059958.D (-468) (-)

3.66

5000

4000

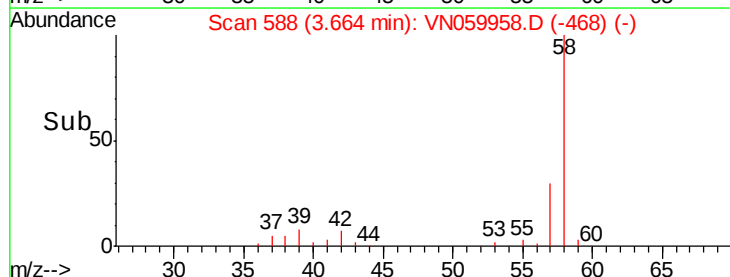
3000

2000

1000

0

Time--> 3.60 3.65 3.70 3.75

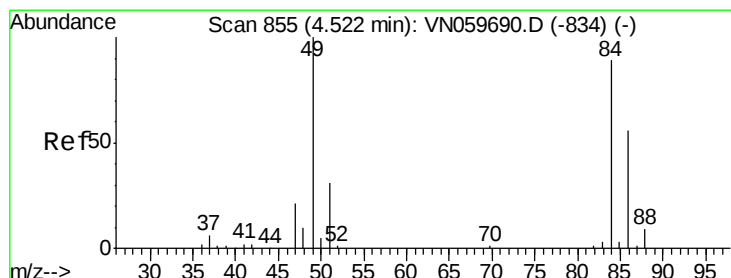
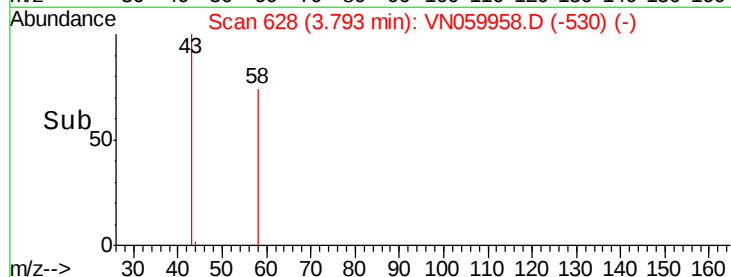
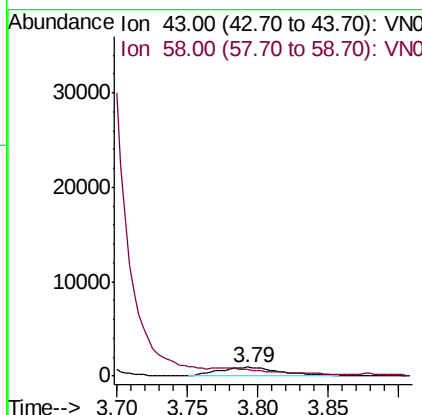
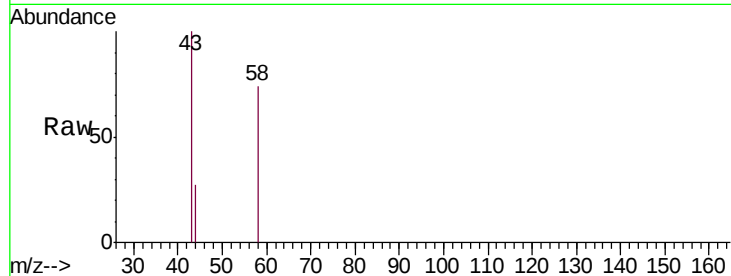




#16
Acetone
Concen: Below Cal
RT: 3.79 min Scan# 628
Delta R.T. 0.01 min
Lab File: VN059958.D
Acq: 31 Jan 2020 19:06

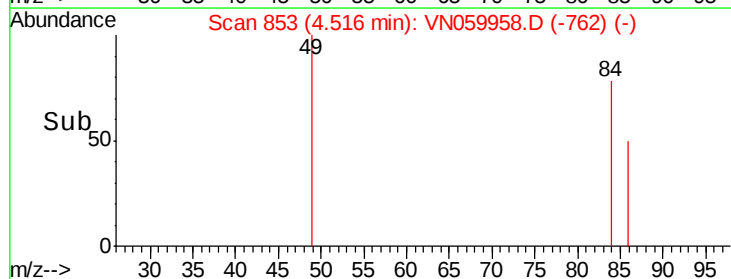
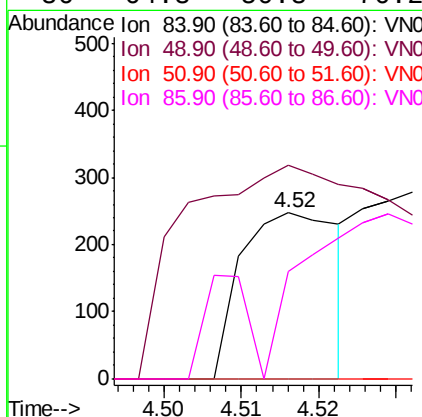
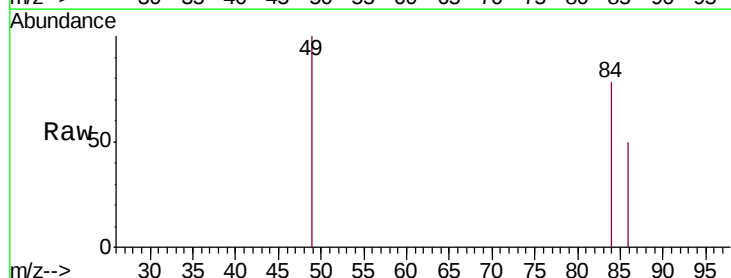
Instrument :
MSVOA_N
ClientSampled :
40098

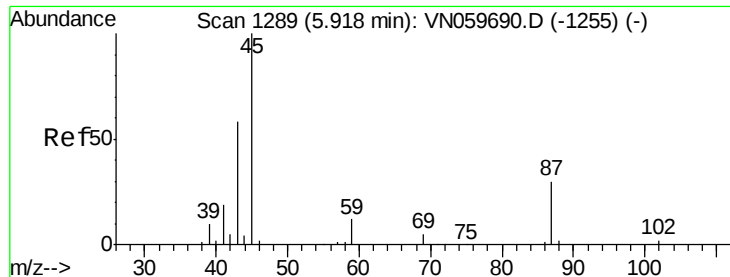
Tgt Ion: 43 Resp: 2936
Ion Ratio Lower Upper
43 100
58 56.9 23.6 35.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059958.D
Acq: 31 Jan 2020 19:06

Tgt Ion: 84 Resp: 218
Ion Ratio Lower Upper
84 100
49 22.7 106.6 160.0#
51 0.0 31.9 47.9#
86 64.8 50.8 76.2





#22

Diisopropyl ether

Concen: 1.138 ug/l

RT: 5.99 min Scan# 1311

Delta R.T. 0.07 min

Lab File: VN059958.D

Acq: 31 Jan 2020 19:06

Instrument :

MSVOA_N

ClientSampleId :

40098

Tgt Ion: 45 Resp: 6085

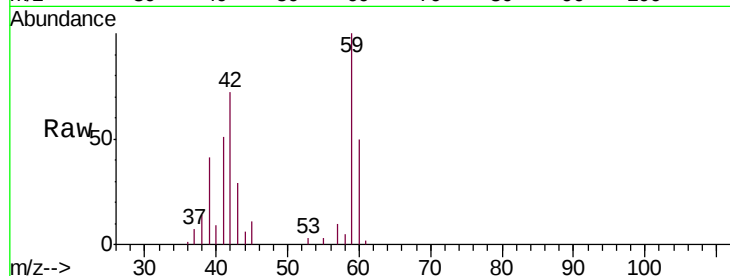
Ion Ratio Lower Upper

45 100

43 269.4 50.8 76.2#

87 0.0 21.0 31.6#

59 928.8 9.1 13.7#

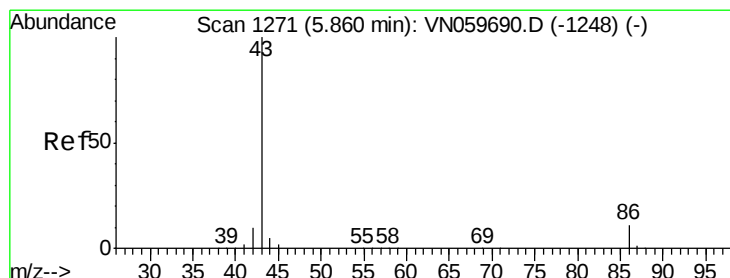
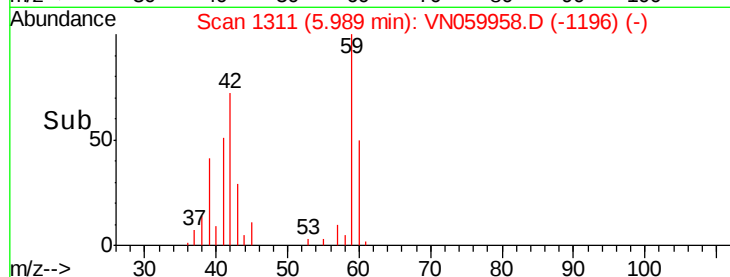
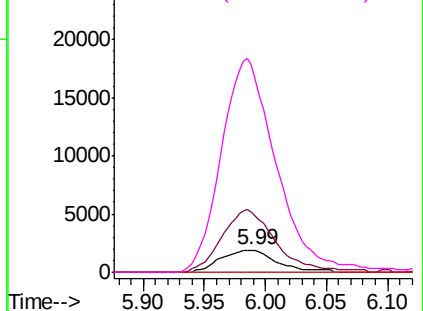


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#23

Vinyl Acetate

Concen: 3.998 ug/l

RT: 5.99 min Scan# 1310

Delta R.T. 0.13 min

Lab File: VN059958.D

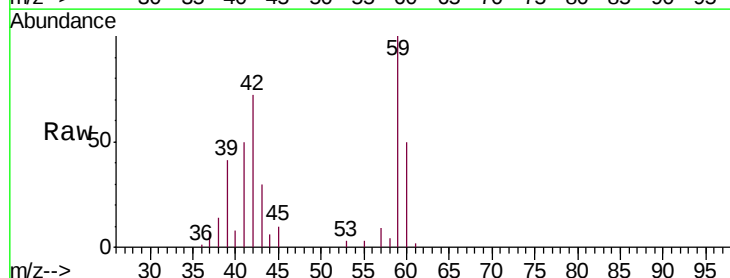
Acq: 31 Jan 2020 19:06

Tgt Ion: 43 Resp: 16553

Ion Ratio Lower Upper

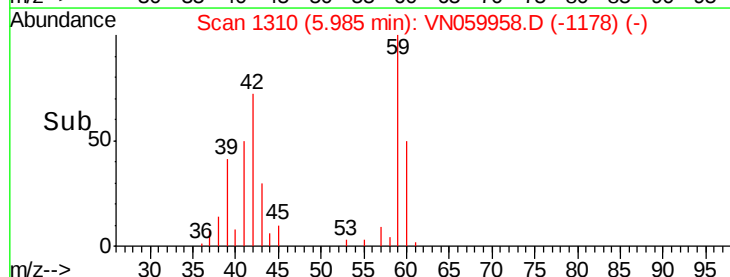
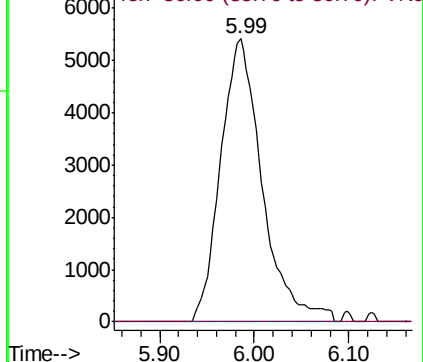
43 100

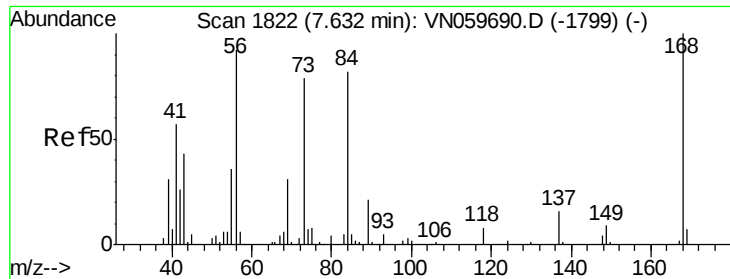
86 0.0 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

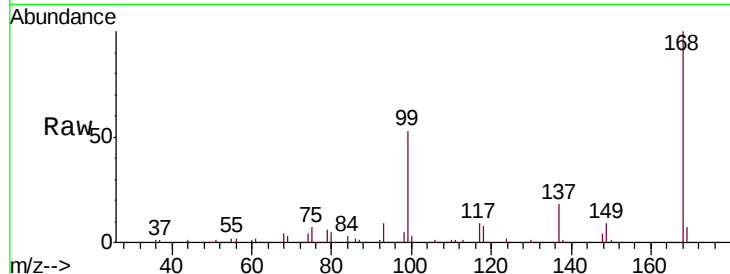




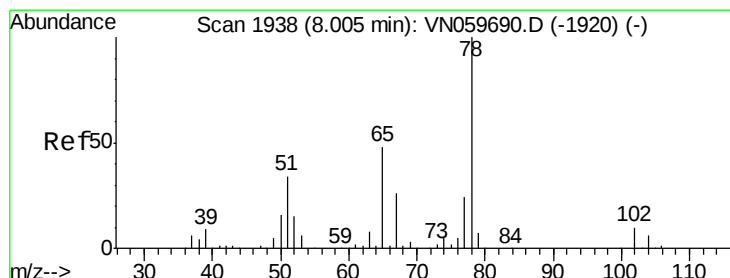
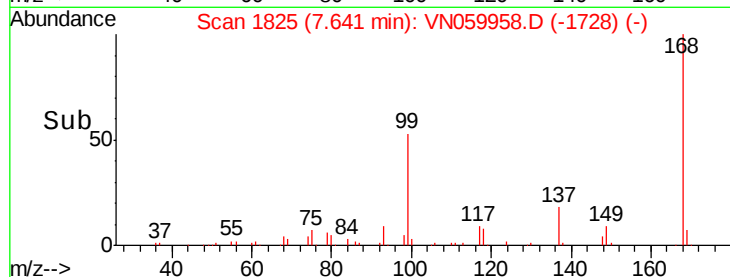
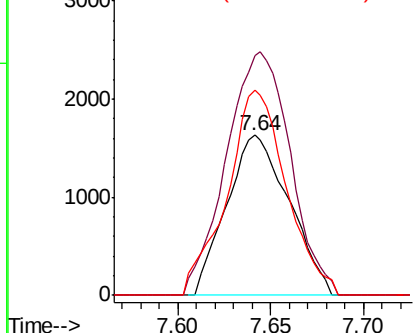
#31
Cyclohexane
Concen: 1.220 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059958.D
Acq: 31 Jan 2020 19:06

Instrument :
MSVOA_N
ClientSampled :
40098

Tgt Ion: 56 Resp: 3837
Ion Ratio Lower Upper
56 100
69 149.6 26.5 39.7#
84 128.0 65.3 97.9#

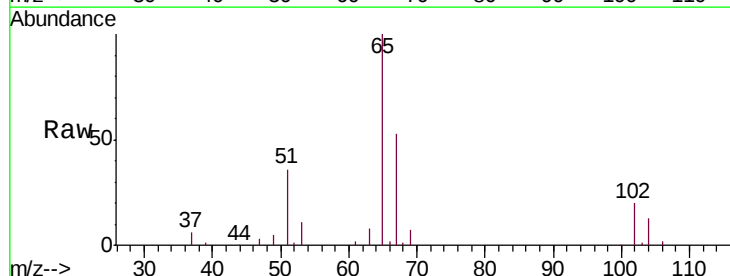


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

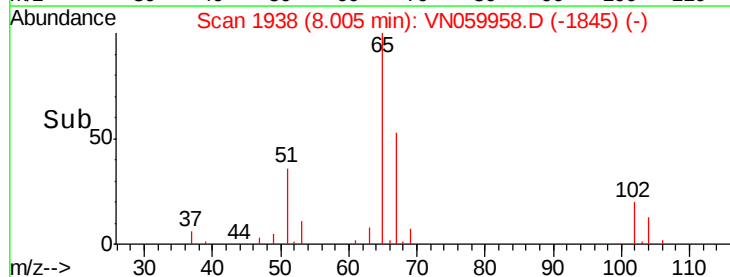
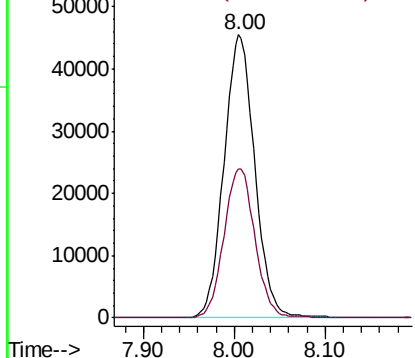


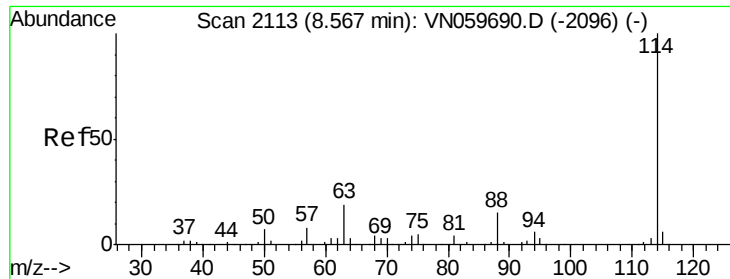
#33
1,2-Dichloroethane-d4
Concen: 50.217 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059958.D
Acq: 31 Jan 2020 19:06

Tgt Ion: 65 Resp: 106719
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

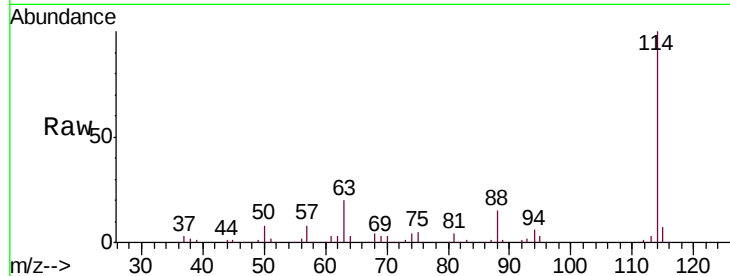




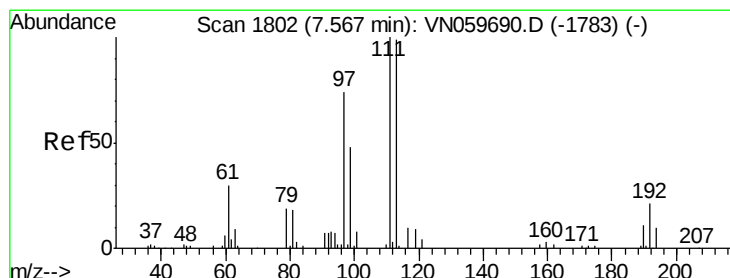
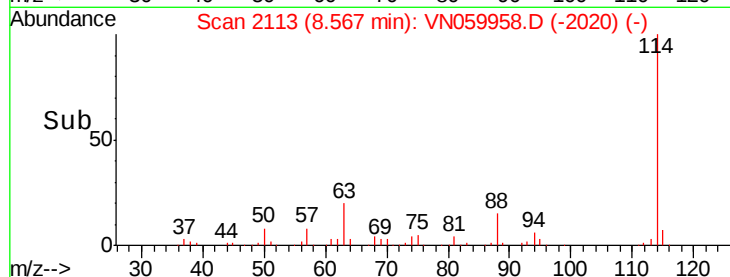
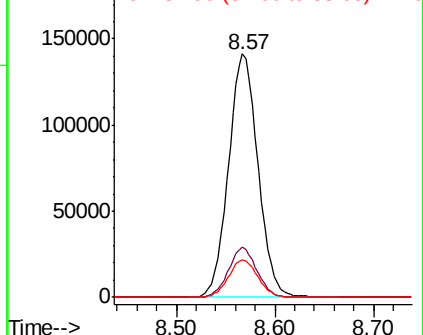
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059958.D
 Acq: 31 Jan 2020 19:06

Instrument :
 MSVOA_N
 ClientSampleId :
 40098

Tgt Ion:114 Resp: 294202
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 43.6
 88 15.3 0.0 31.4

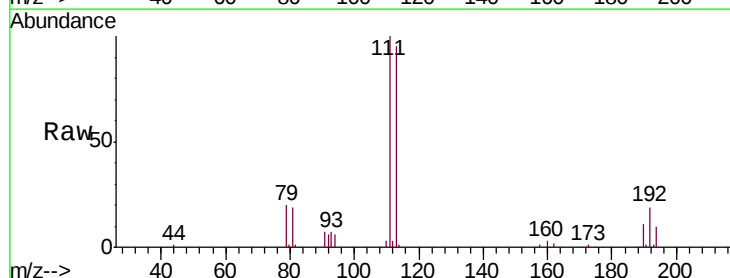


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

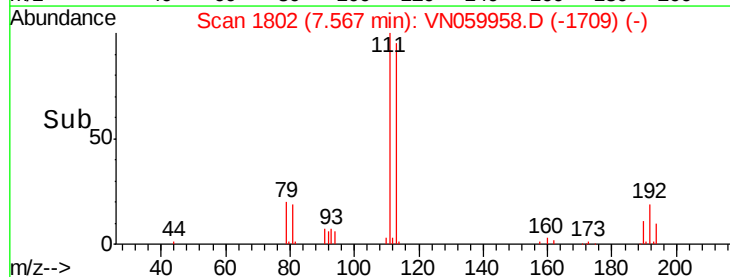
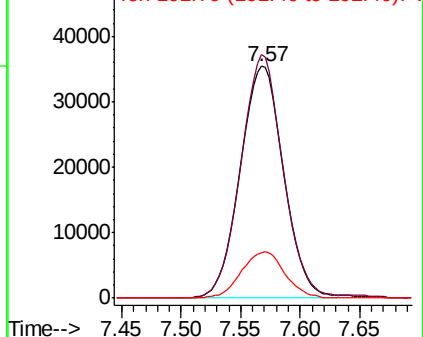


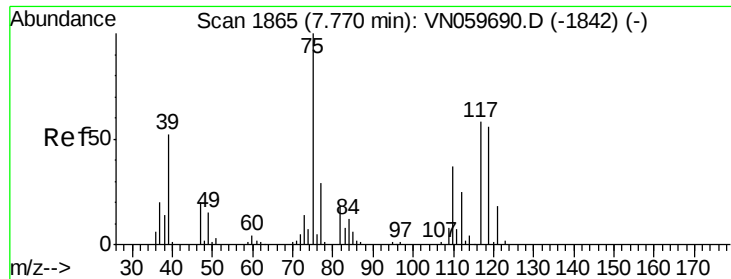
#35
 Dibromofluoromethane
 Concen: 51.105 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059958.D
 Acq: 31 Jan 2020 19:06

Tgt Ion:113 Resp: 89662
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.5 125.3
 192 20.1 15.4 23.2



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

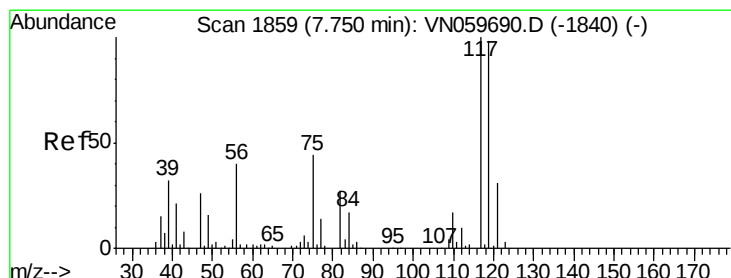
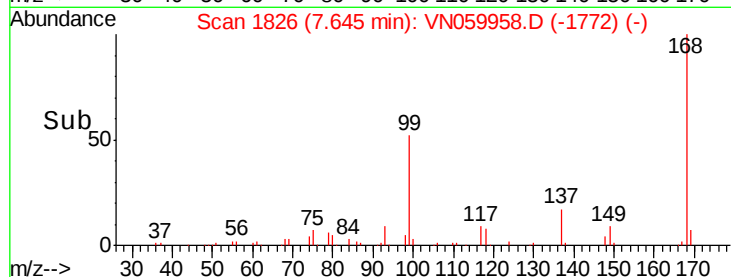
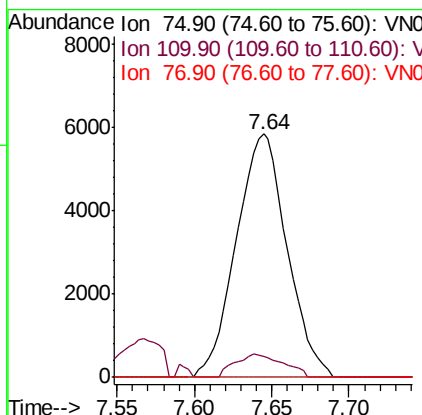
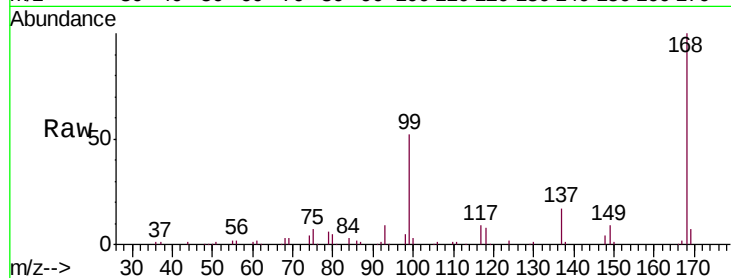




#36
 1,1-Dichloropropene
 Concen: 5.204 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059958.D
 Acq: 31 Jan 2020 19:06

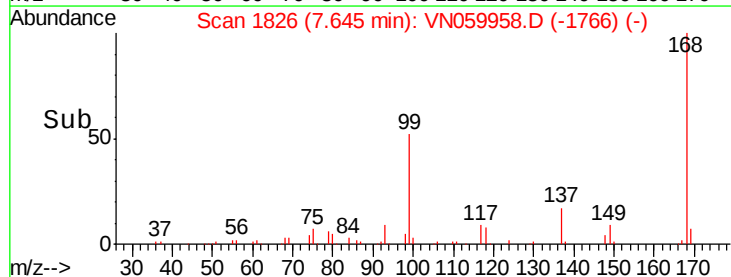
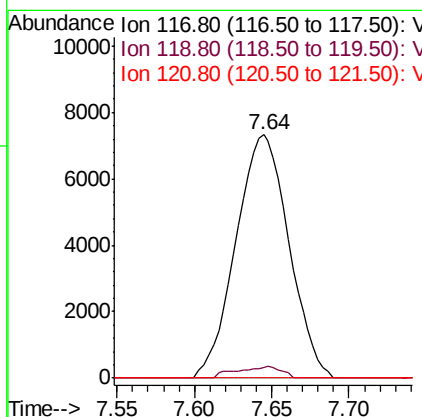
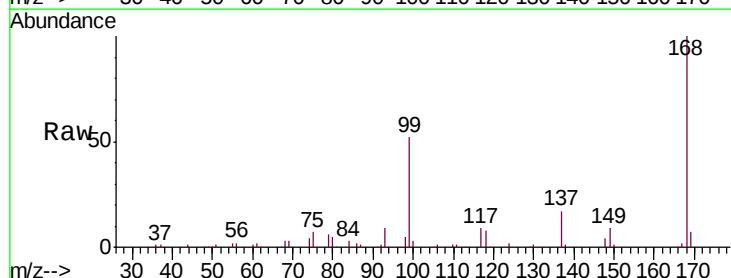
Instrument :
 MSVOA_N
 ClientSampleId :
 40098

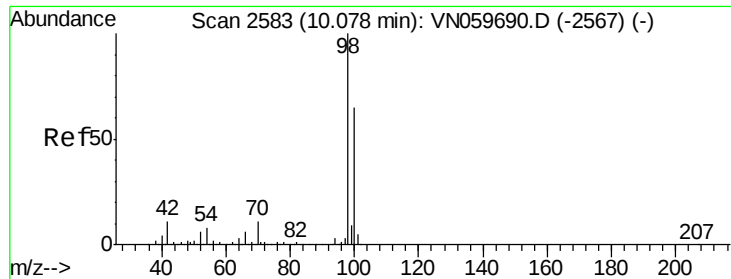
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.6	49.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.254 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059958.D
 Acq: 31 Jan 2020 19:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.5	114.7#
121	0.0	25.1	37.7#





#50

Toluene-d8

Concen: 51.896 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059958.D

Acq: 31 Jan 2020 19:06

Instrument :

MSVOA_N

ClientSampleId :

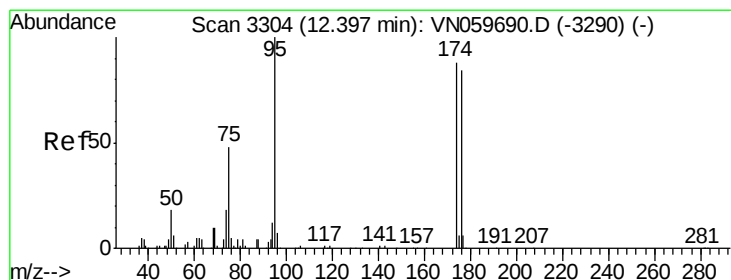
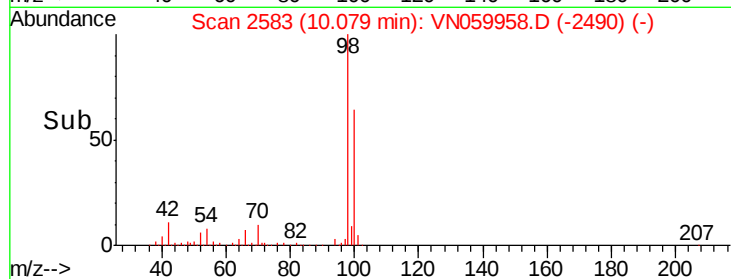
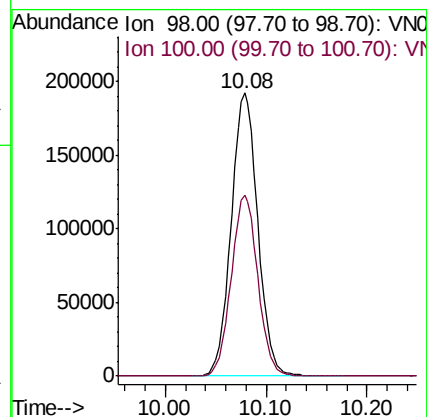
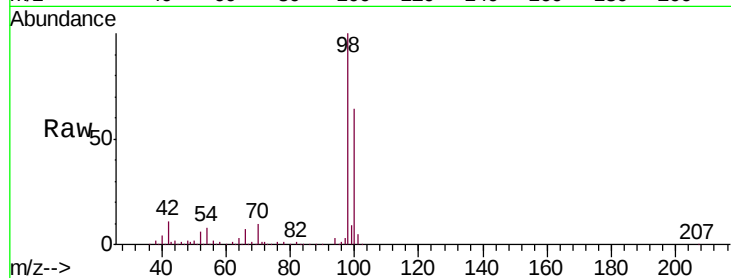
40098

Tgt Ion: 98 Resp: 352771

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 50.044 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059958.D

Acq: 31 Jan 2020 19:06

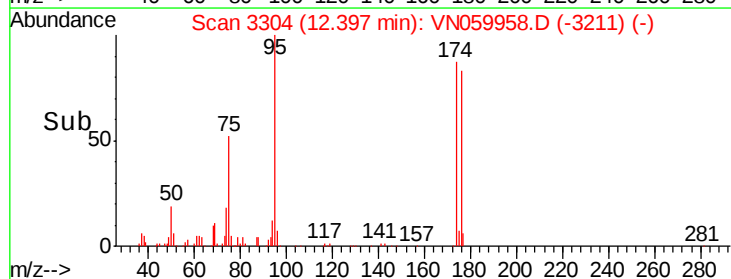
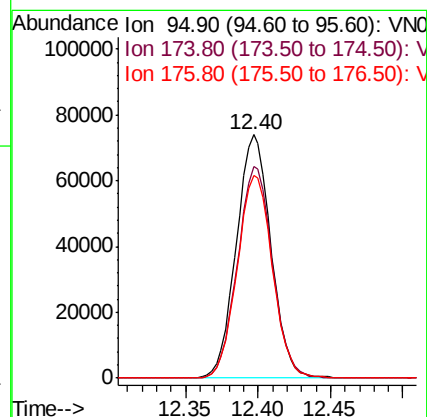
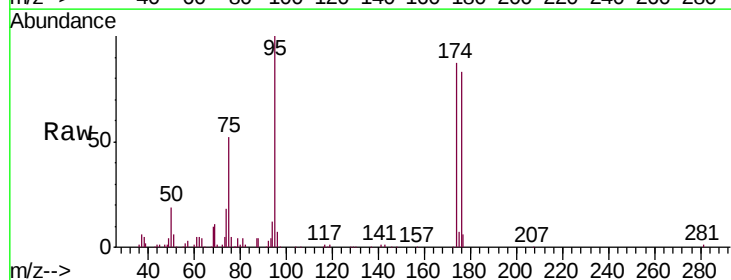
Tgt Ion: 95 Resp: 122636

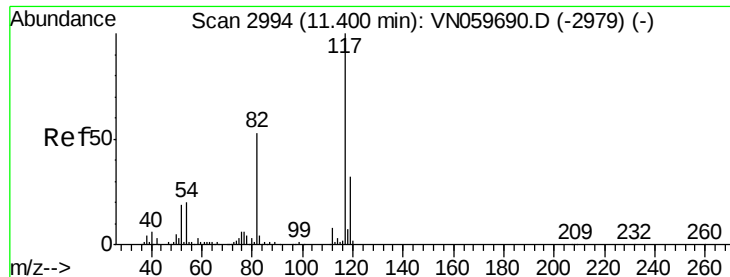
Ion Ratio Lower Upper

95 100

174 87.5 0.0 151.4

176 84.9 0.0 146.0

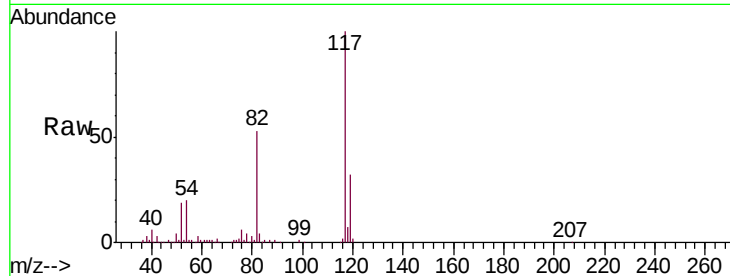




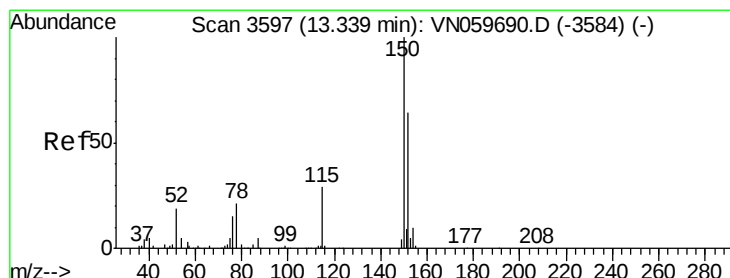
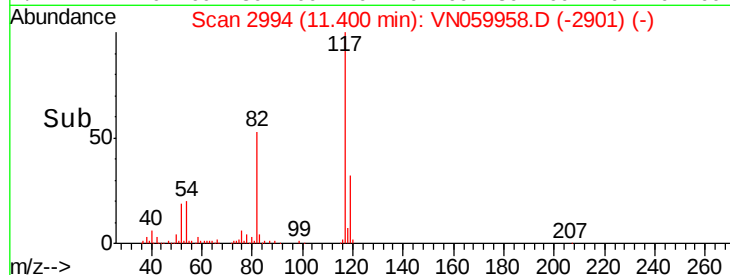
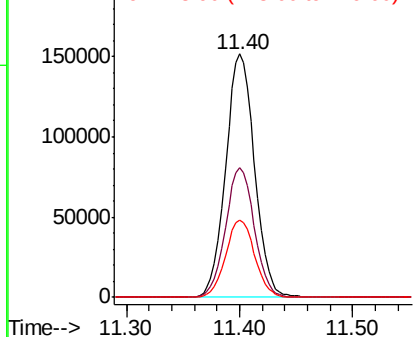
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059958.D
Acq: 31 Jan 2020 19:06

Instrument :
MSVOA_N
ClientSampleId :
40098

Tgt Ion:117 Resp: 268622
Ion Ratio Lower Upper
117 100
82 53.0 45.9 68.9
119 31.6 25.5 38.3

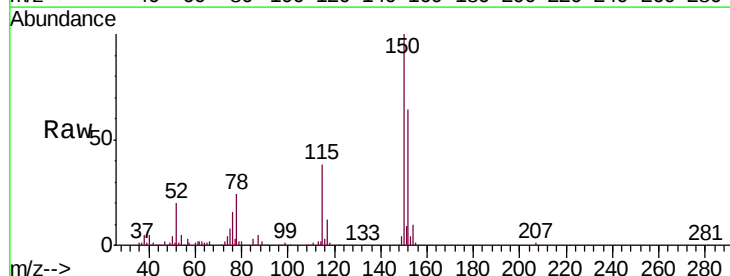


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

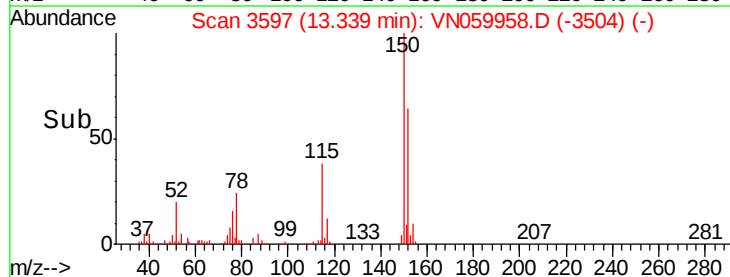
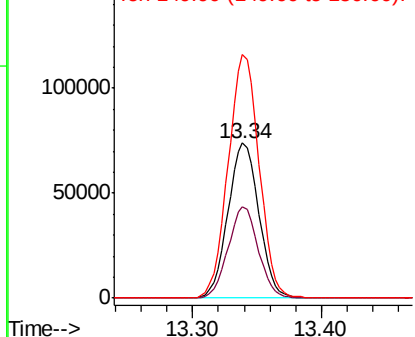


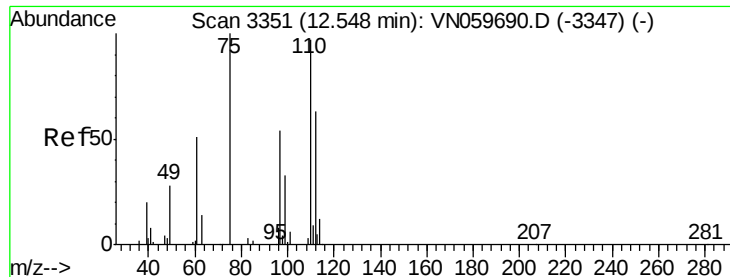
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059958.D
Acq: 31 Jan 2020 19:06

Tgt Ion:152 Resp: 122930
Ion Ratio Lower Upper
152 100
115 57.5 30.3 90.9
150 157.0 0.0 345.2



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: 30.580 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059958.D

Acq: 31 Jan 2020 19:06

Instrument :

MSVOA_N

ClientSampled :

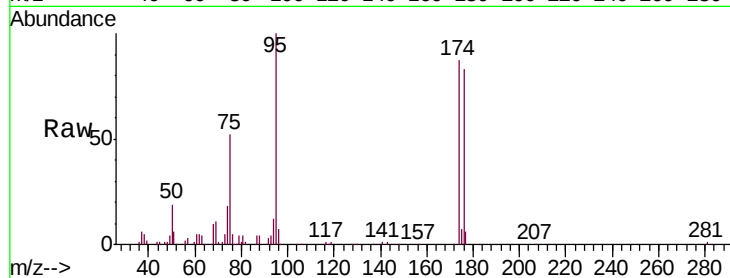
40098

Tgt Ion: 75 Resp: 63264

Ion Ratio Lower Upper

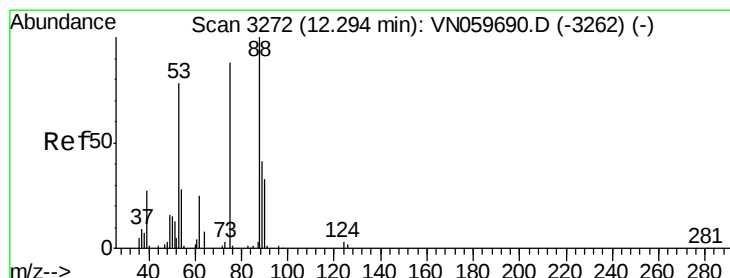
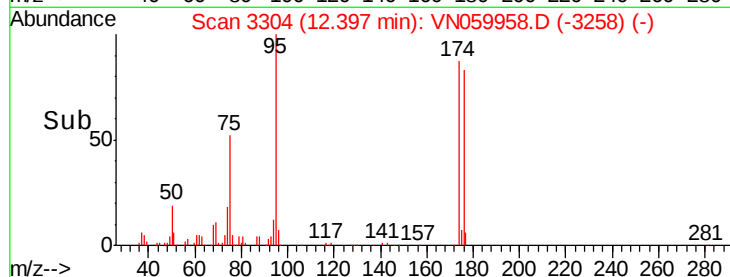
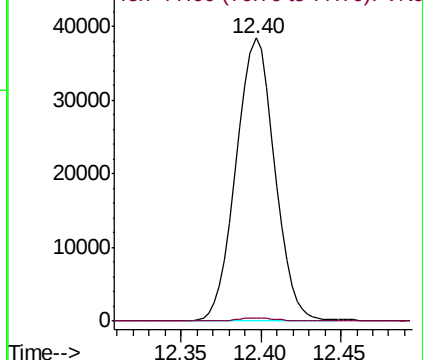
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 65.671 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059958.D

Acq: 31 Jan 2020 19:06

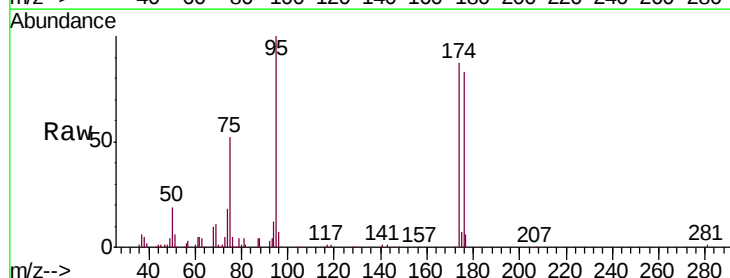
Tgt Ion: 75 Resp: 63264

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

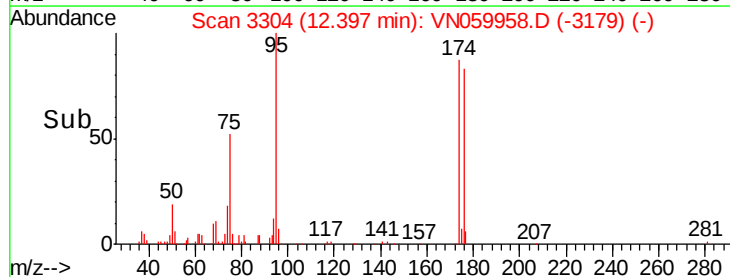
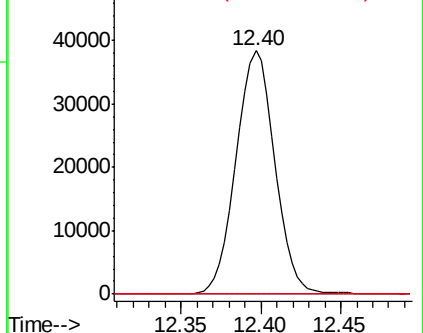
89 0.0 35.4 53.2#

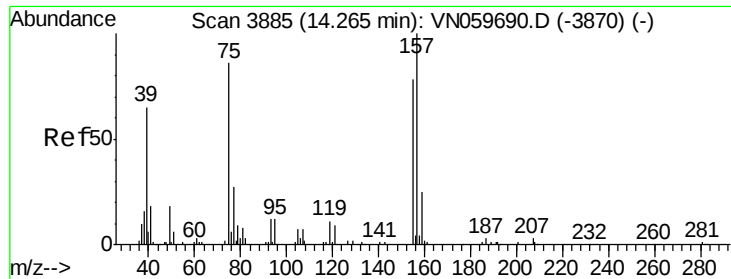


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.24 min Scan# 3876

Delta R.T. -0.03 min

Lab File: VN059958.D

Acq: 31 Jan 2020 19:06

Instrument :

MSVOA_N

ClientSampled :

40098

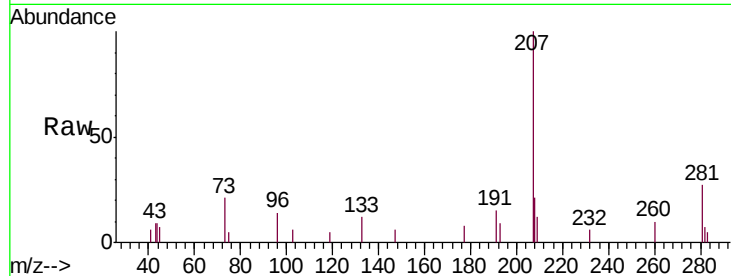
Tgt Ion: 75 Resp: 128

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

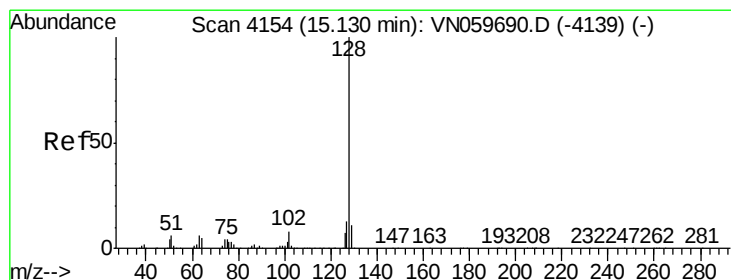
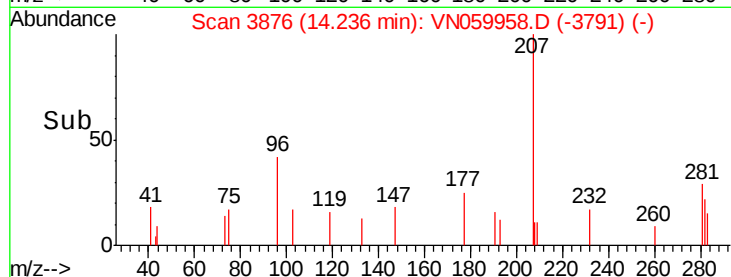
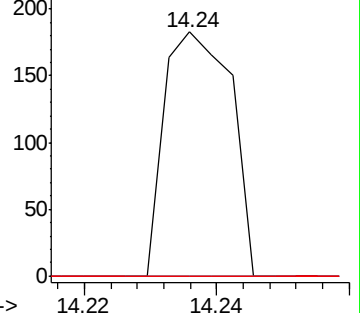
157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059958.D (-3870) (-)

Ion 154.80 (154.50 to 155.50): VN059958.D (-3870) (-)

Ion 156.80 (156.50 to 157.50): VN059958.D (-3870) (-)



#95

Naphthalene

Concen: 0.223 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059958.D

Acq: 31 Jan 2020 19:06

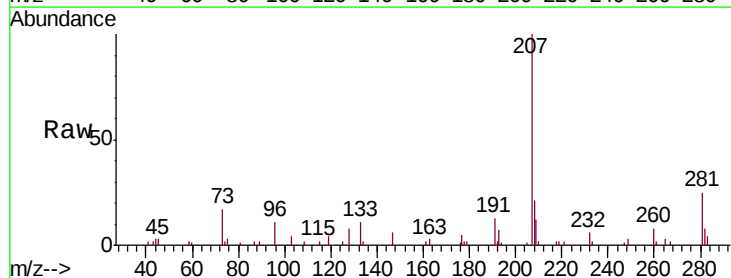
Tgt Ion: 128 Resp: 1492

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN059958.D (-4061) (-)

Ion 127.00 (126.70 to 127.70): VN059958.D (-4061) (-)

Ion 129.00 (128.70 to 129.70): VN059958.D (-4061) (-)

