

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
 Data File : VN059842.D
 Acq On : 24 Jan 2020 13:57
 Operator : JC/MD
 Sample : L1007-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 25 00:27:48 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	213329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	319548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	285735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	119539	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	112048	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
35) Dibromofluoromethane	7.57	113	95750	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
50) Toluene-d8	10.08	98	374021	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	126787	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	

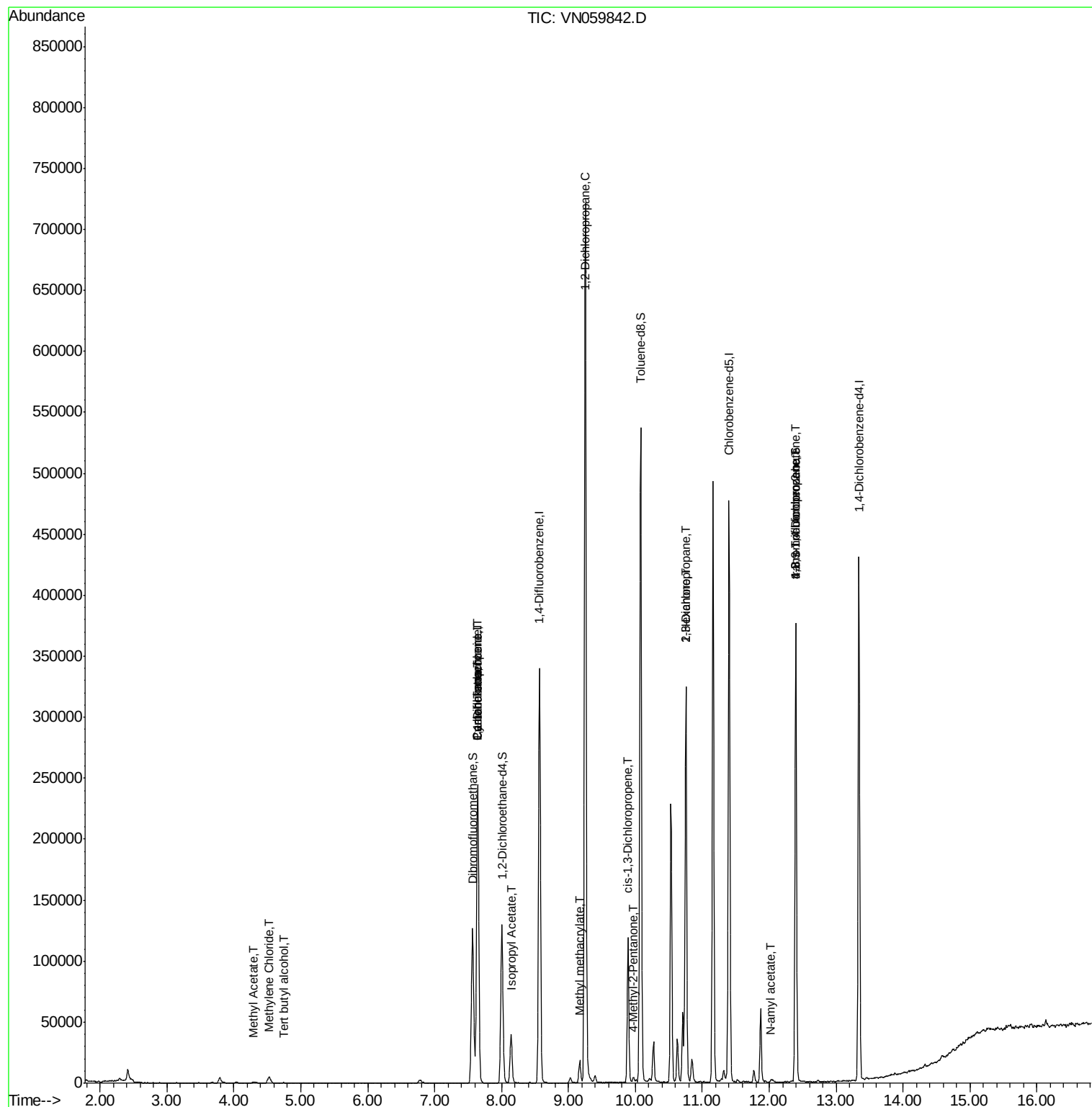
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	176	0.441	ug/l #	72
16) Acetone	3.79	43	7774	Below Cal		99
18) Methyl Acetate	4.30	43	2171	0.785	ug/l #	64
20) Methylene Chloride	4.53	84	4642	0.895	ug/l #	81
31) Cyclohexane	7.64	56	4002	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14804	5.320	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19249	6.359	ug/l #	17
43) Isopropyl Acetate	8.14	43	45603	10.158	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	737	0.359	ug/l #	44
48) Methyl methacrylate	9.16	41	2363	1.177	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3390	1.306	ug/l	90
54) cis-1,3-Dichloropropene	9.89	75	23156	6.752	ug/l #	57
57) 1,3-Dichloropropane	10.75	76	3841	1.165	ug/l #	42
59) 2-Hexanone	10.75	43	45710	23.909	ug/l #	56
74) N-amyl acetate	12.03	43	2733	0.803	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	63470	31.550	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	63470	67.754	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.19	75	63	Below Cal	#	6

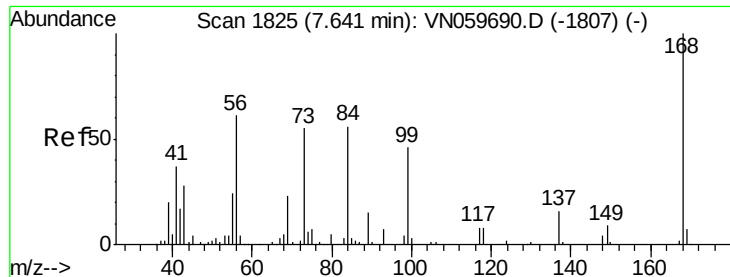
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jan 18 03:09:32 2020
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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: VN059842.D

Acq: 24 Jan 2020 13:57

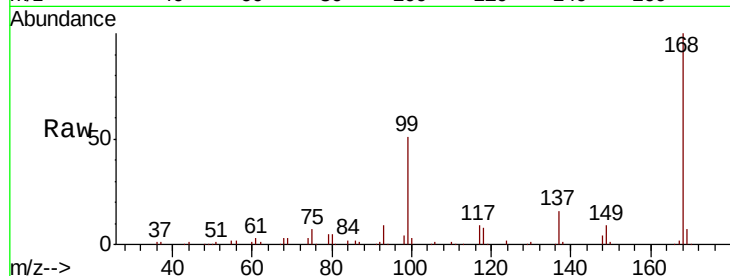
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 213329

Ion Ratio Lower Upper

168 100

99 51.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

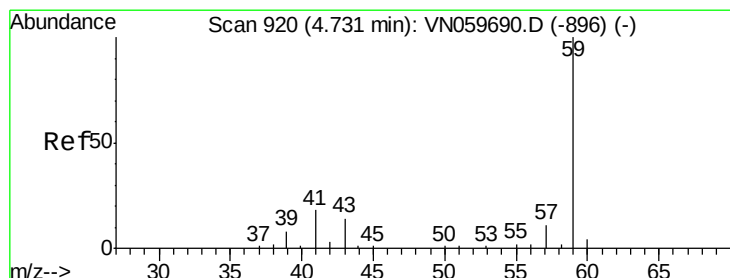
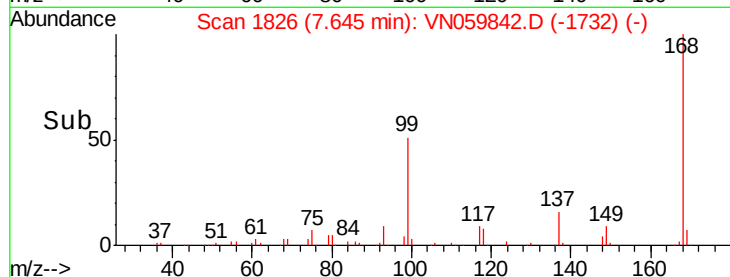
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.441 ug/l

RT: 4.73 min Scan# 920

Delta R.T. 0.00 min

Lab File: VN059842.D

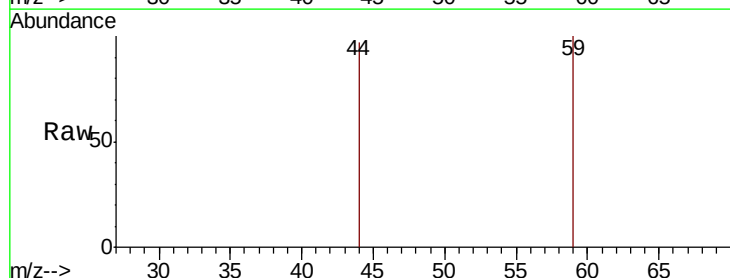
Acq: 24 Jan 2020 13:57

Tgt Ion: 59 Resp: 176

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

200

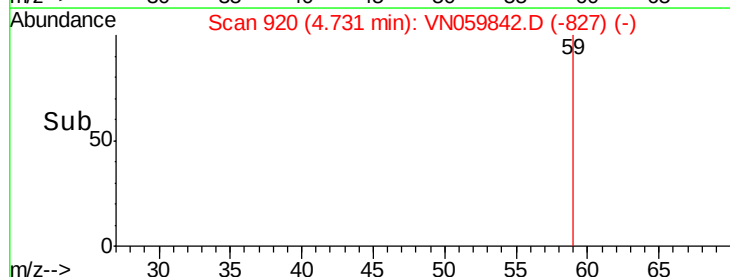
150

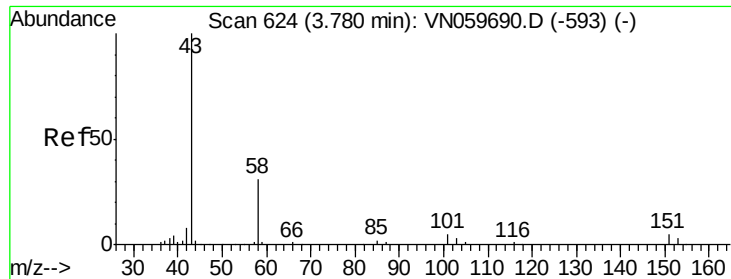
100

50

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059842.D

Acq: 24 Jan 2020 13:57

Instrument :

MSVOA_N

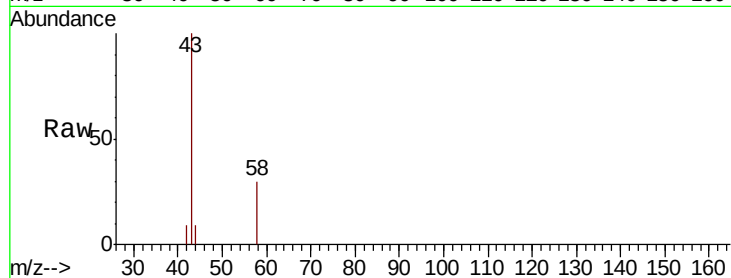
ClientSampled :

Tot Ion: 43 Resp: 7774

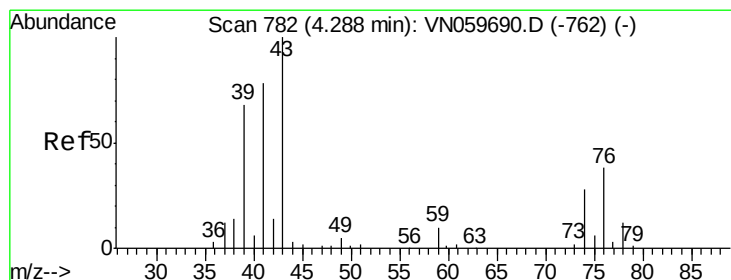
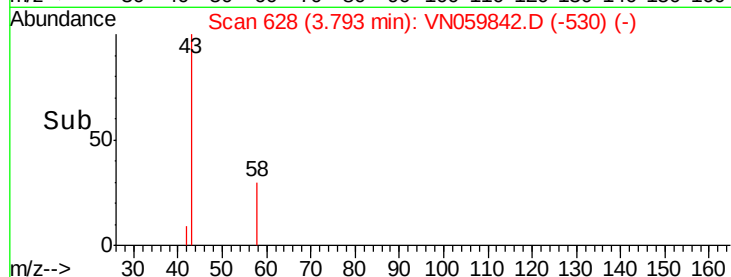
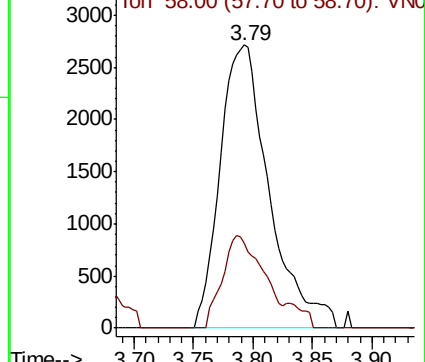
Ion Ratio Lower Upper

43 100

58 30.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-593) (-)



#18

Methyl Acetate

Concen: 0.785 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN059842.D

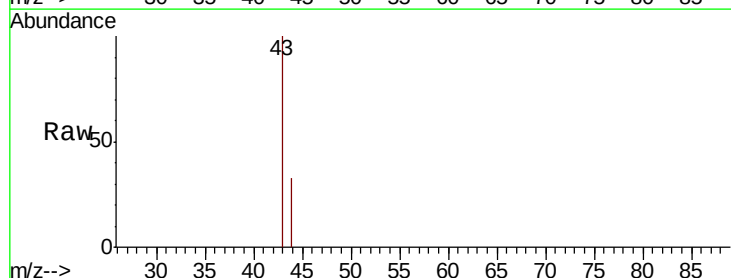
Acq: 24 Jan 2020 13:57

Tgt Ion: 43 Resp: 2171

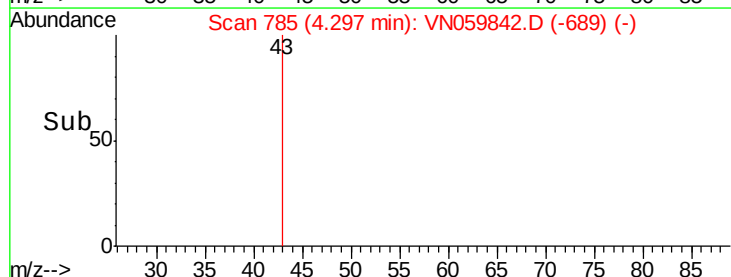
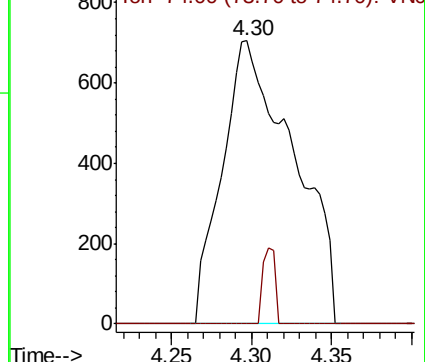
Ion Ratio Lower Upper

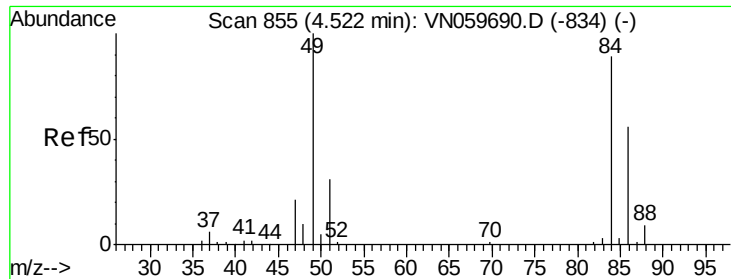
43 100

74 4.7 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-762) (-)

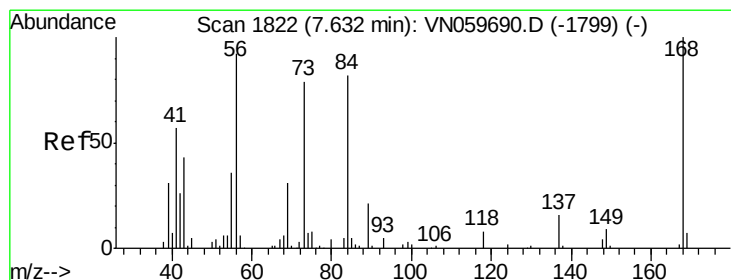
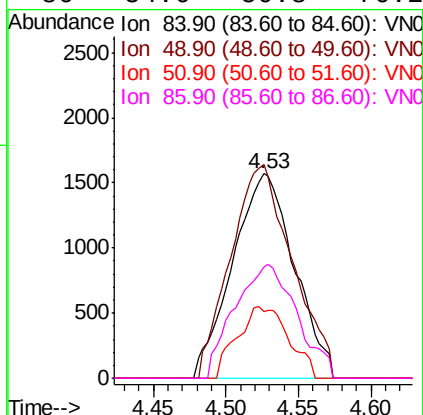
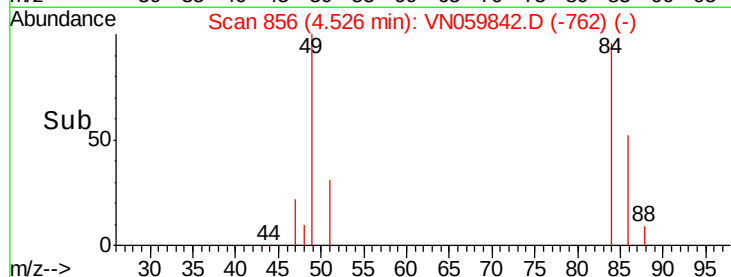
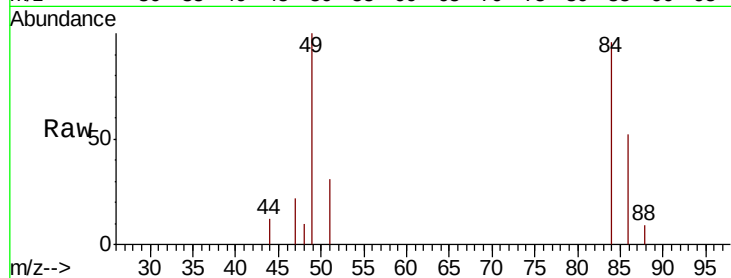




#20
Methvlene Chloride
Concen: 0.895 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059842.D
Acq: 24 Jan 2020 13:57

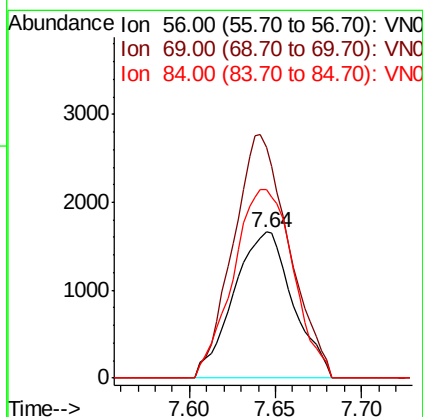
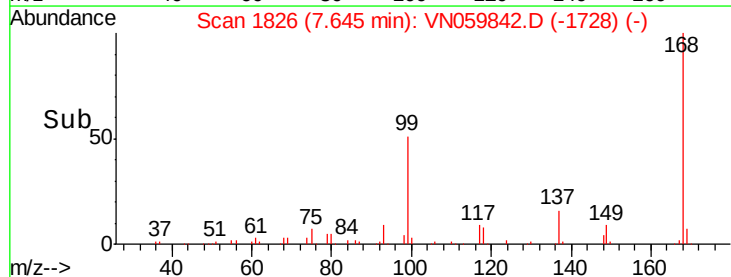
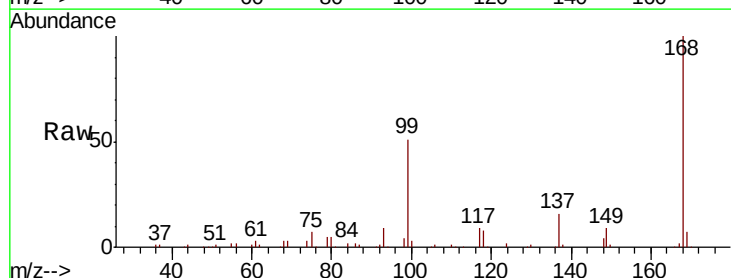
Instrument :
MSVOA_N
ClientSampleId :

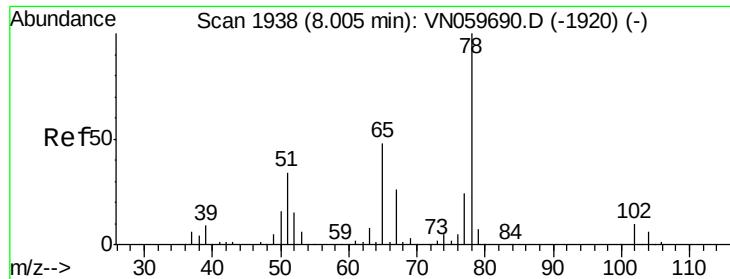
Tot Ion: 84 Resp: 4642
Ion Ratio Lower Upper
84 100
49 104.5 106.6 160.0#
51 32.4 31.9 47.9
86 54.6 50.8 76.2



#31
Cyclohexane
Concen: 1.142 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059842.D
Acq: 24 Jan 2020 13:57

Tgt Ion: 56 Resp: 4002
Ion Ratio Lower Upper
56 100
69 158.1 26.5 39.7#
84 128.6 65.3 97.9#

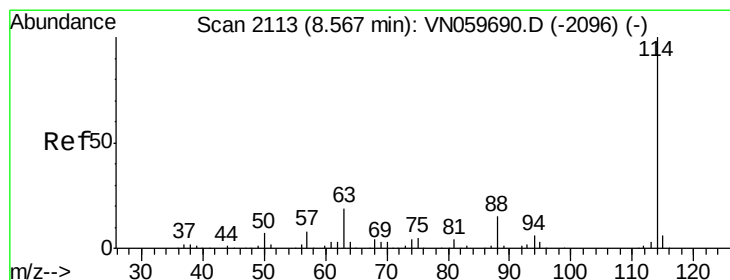
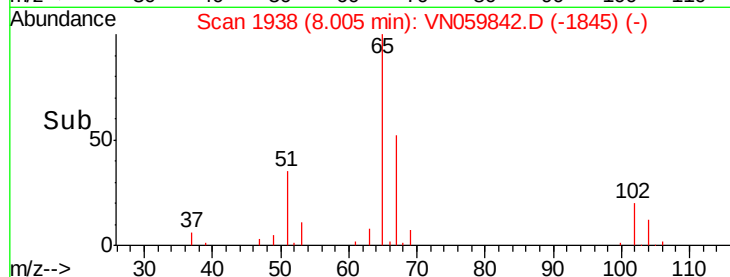
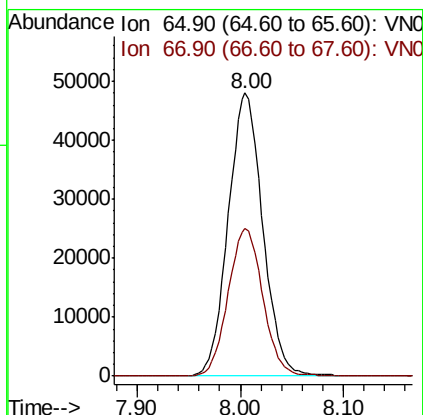
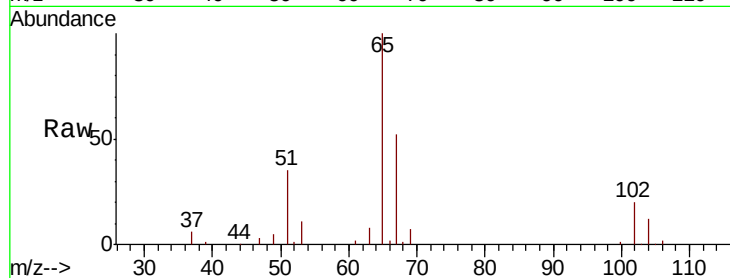




#33
 1,2-Dichloroethane-d4
 Concen: 47.296 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059842.D
 Acq: 24 Jan 2020 13:57

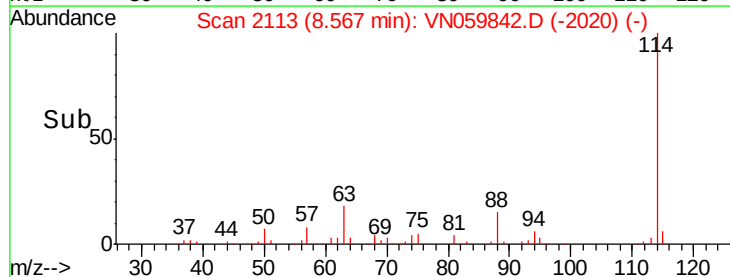
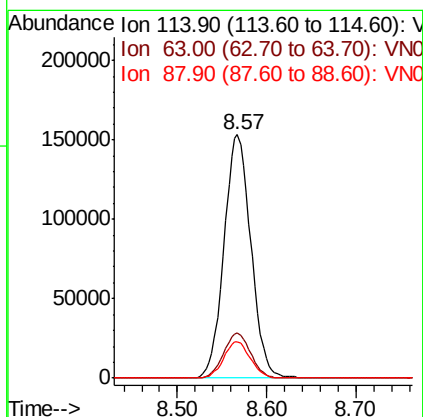
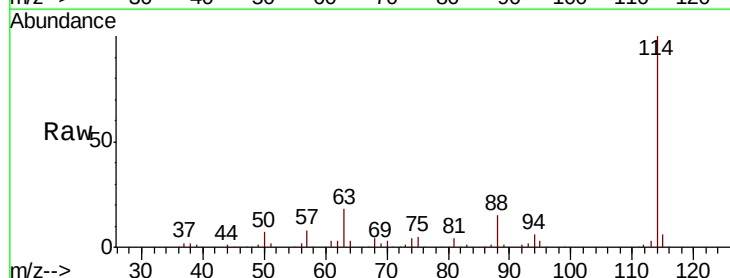
Instrument :
 MSVOA_N
 ClientSampleId :

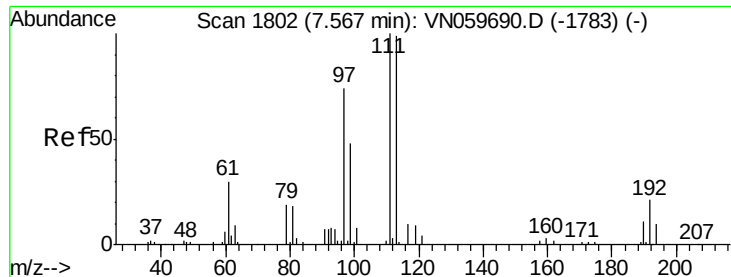
Tot Ion: 65 Resp: 112048
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059842.D
 Acq: 24 Jan 2020 13:57

Tgt Ion: 114 Resp: 319548
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 43.6
 88 15.1 0.0 31.4

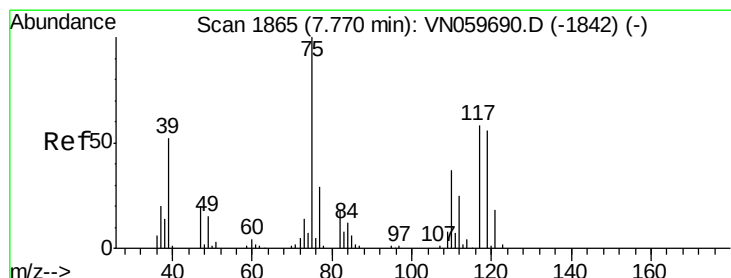
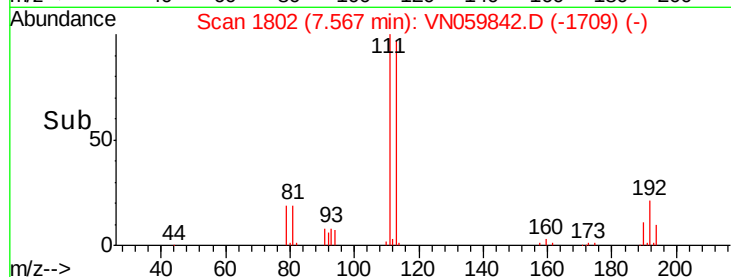
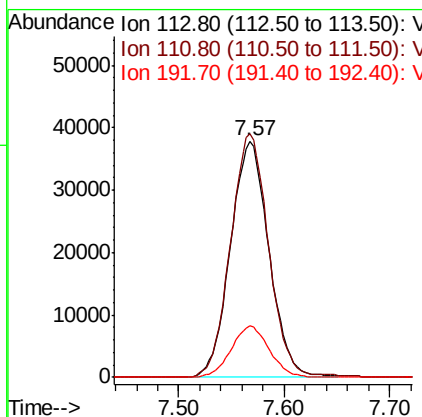
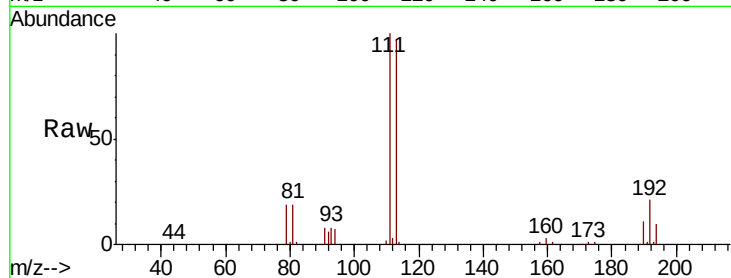




#35
 Dibromofluoromethane
 Concen: 50.247 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059842.D
 Acq: 24 Jan 2020 13:57

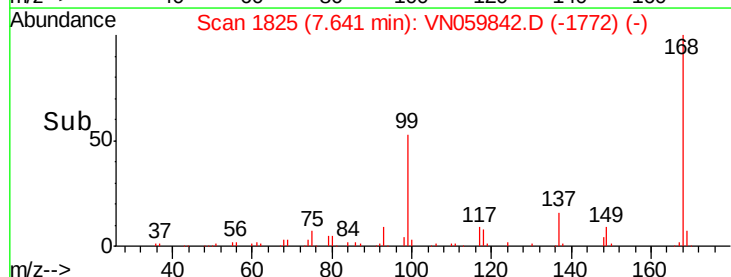
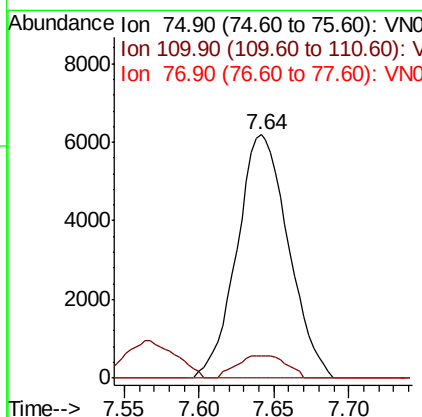
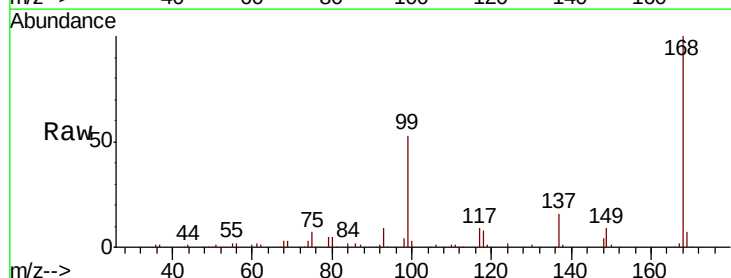
Instrument :
 MSVOA_N
 ClientSampled :

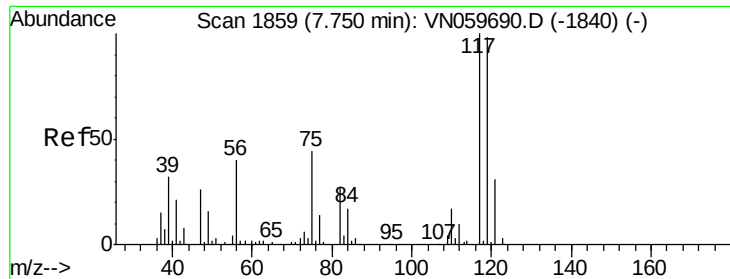
Tot Ion:113 Resp: 95750
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.5 125.3
 192 21.5 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.320 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059842.D
 Acq: 24 Jan 2020 13:57

Tgt Ion: 75 Resp: 14804
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.6 49.7#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.359 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059842.D

Acq: 24 Jan 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

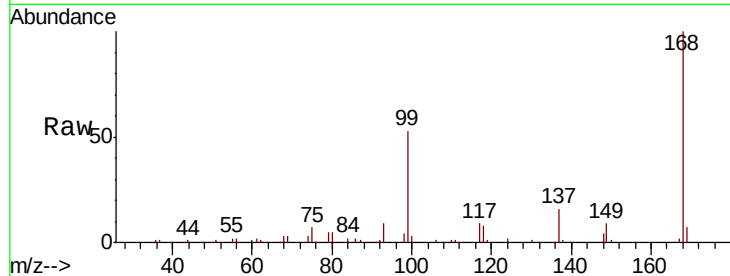
Tot Ion:117 Resp: 19249

Ion Ratio Lower Upper

117 100

119 6.0 76.5 114.7#

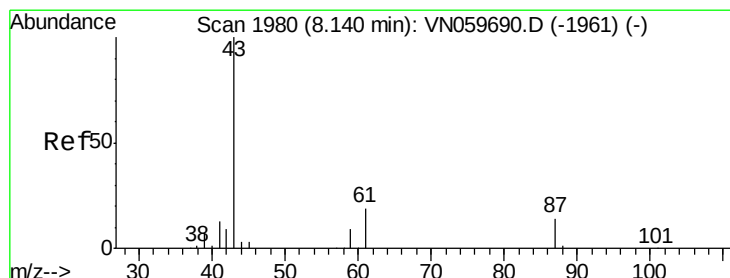
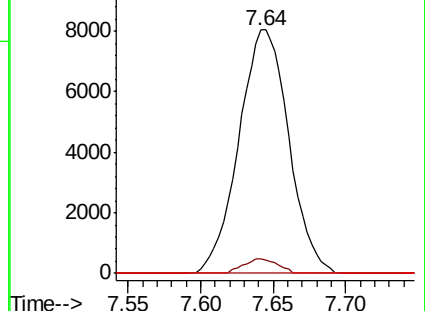
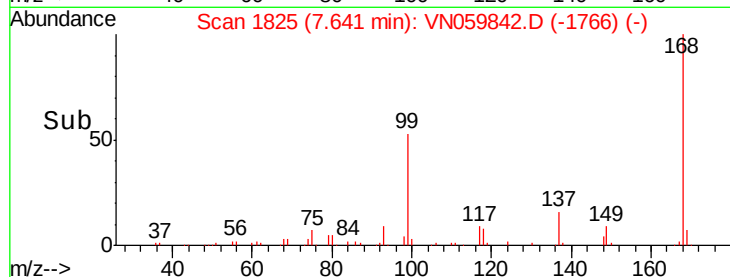
121 0.0 25.1 37.7#



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: 10.158 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059842.D

Acq: 24 Jan 2020 13:57

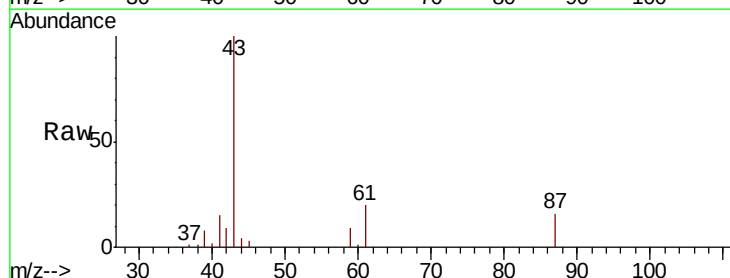
Tgt Ion: 43 Resp: 45603

Ion Ratio Lower Upper

43 100

61 20.1 20.2 30.2#

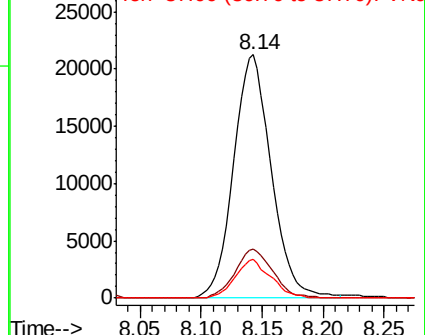
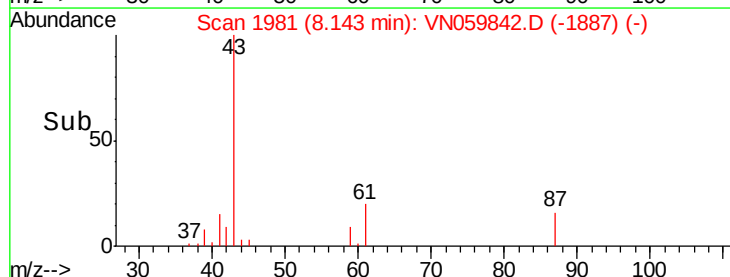
87 14.9 9.5 14.3#

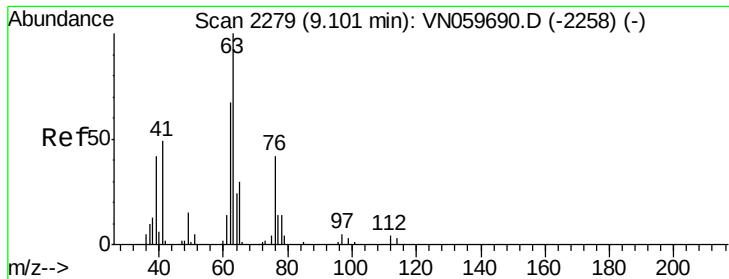


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

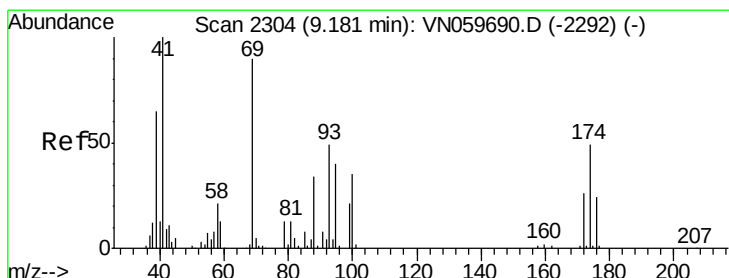
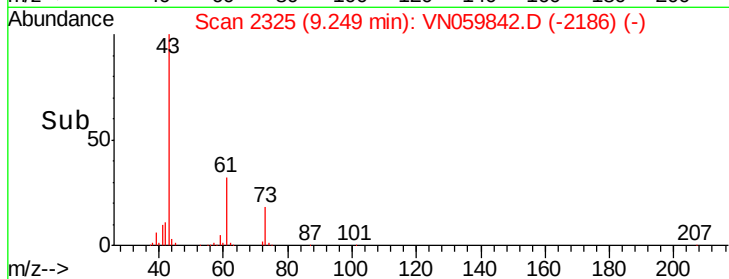
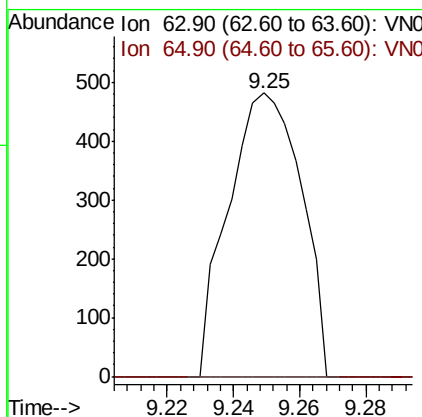
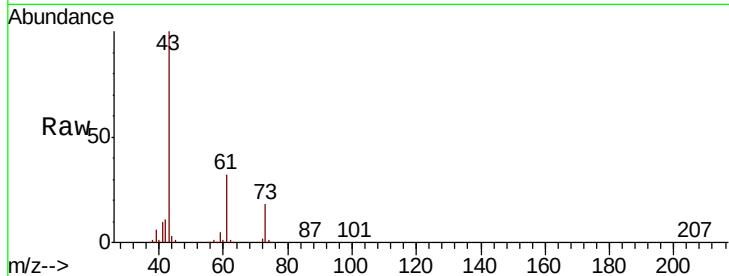




#45
 1,2-Dichloropropane
 Concen: 0.359 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN059842.D
 Acq: 24 Jan 2020 13:57

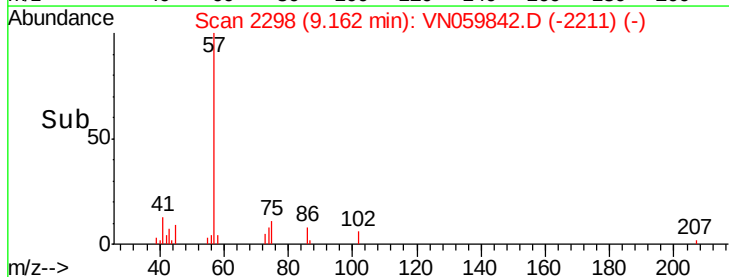
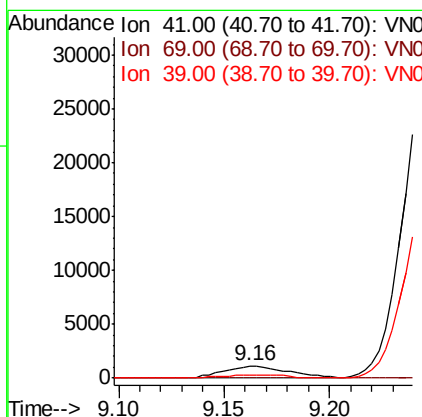
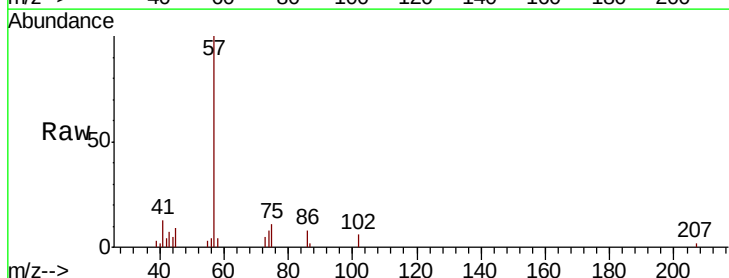
Instrument :
 MSVOA_N
 ClientSampled :

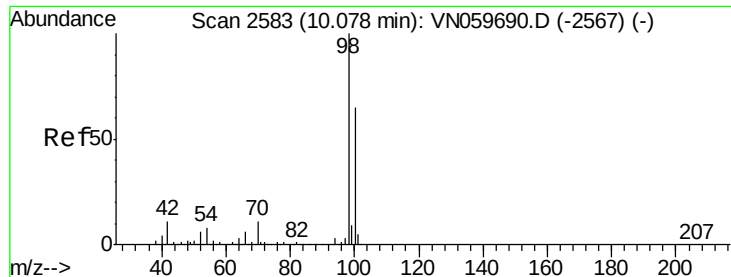
Tot Ion: 63 Resp: 737
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.177 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN059842.D
 Acq: 24 Jan 2020 13:57

Tgt Ion: 41 Resp: 2363
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#





#50

Toluene-d8

Concen: 50.658 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059842.D

Acq: 24 Jan 2020 13:57

Instrument :

MSVOA_N

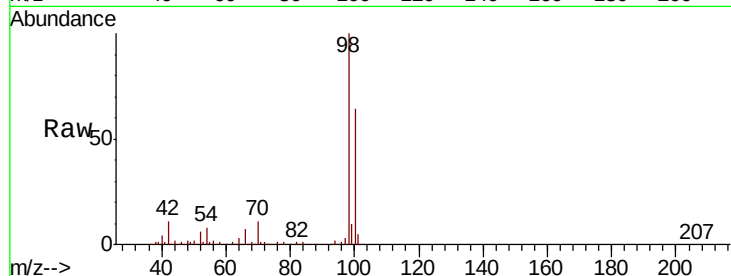
ClientSampleId :

Tot Ion: 98 Resp: 374021

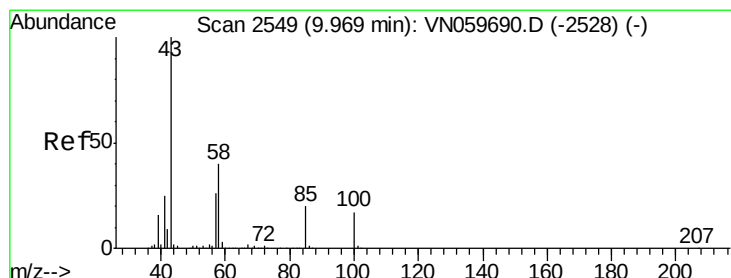
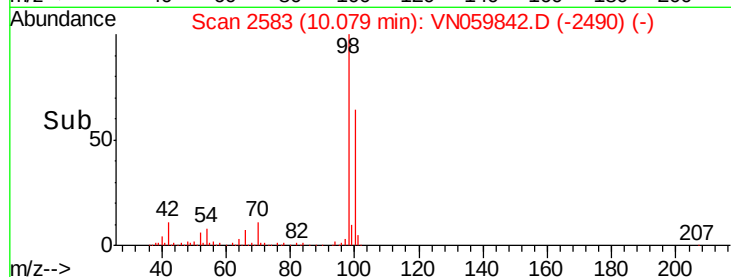
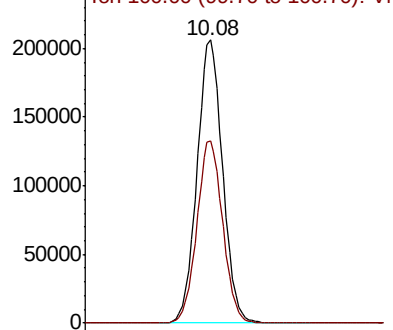
Ion Ratio Lower Upper

98 100

100 65.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059690.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.306 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059842.D

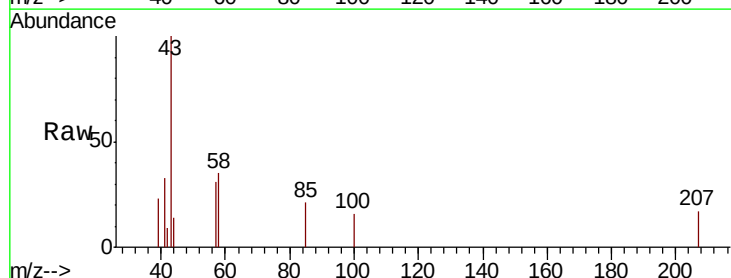
Acq: 24 Jan 2020 13:57

Tgt Ion: 43 Resp: 3390

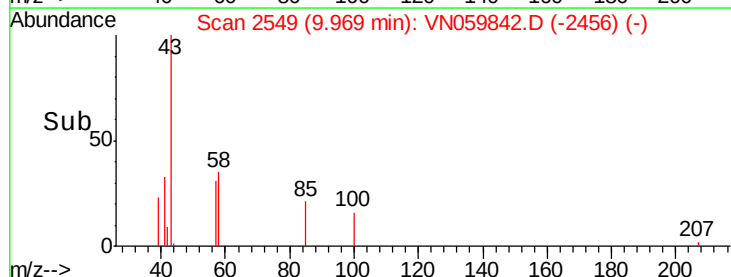
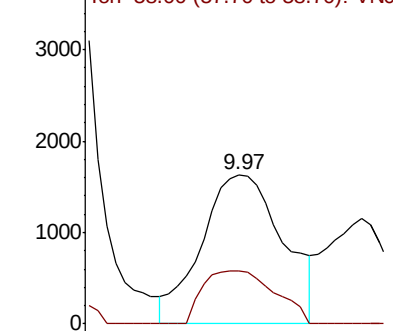
Ion Ratio Lower Upper

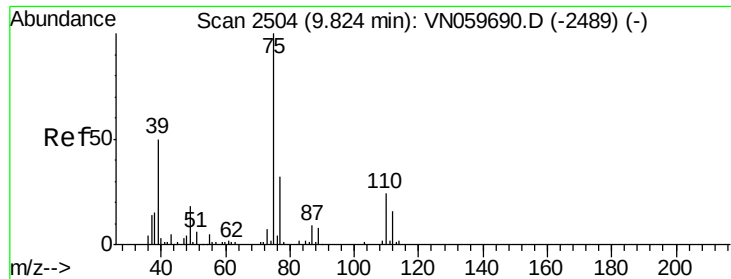
43 100

58 31.4 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-2528) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.752 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN059842.D

Acq: 24 Jan 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

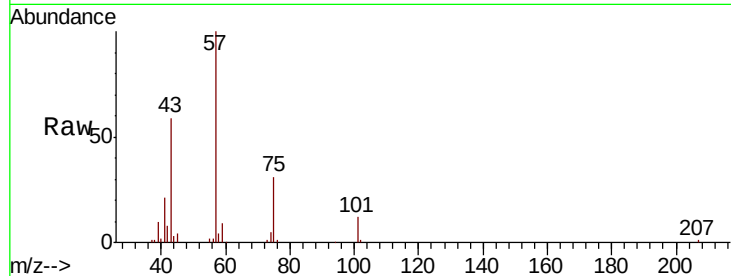
Tot Ion: 75 Resp: 23156

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

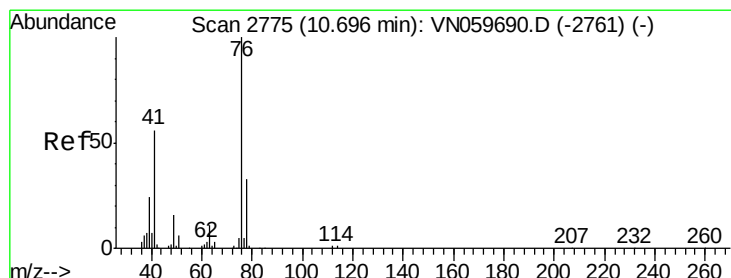
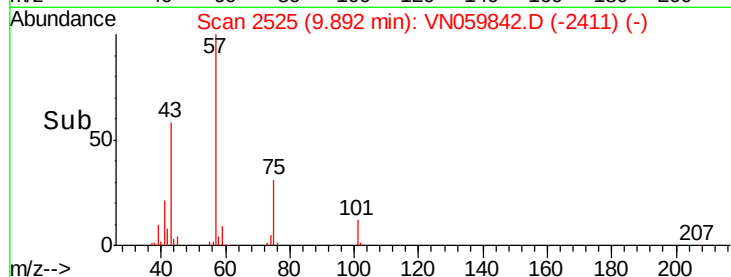
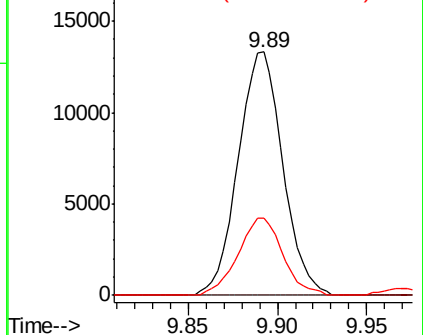
39 31.9 46.1 69.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.165 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN059842.D

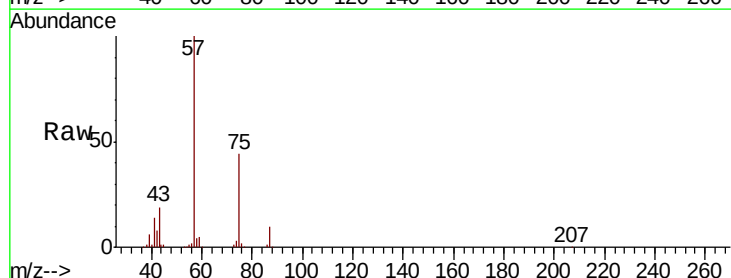
Acq: 24 Jan 2020 13:57

Tgt Ion: 76 Resp: 3841

Ion Ratio Lower Upper

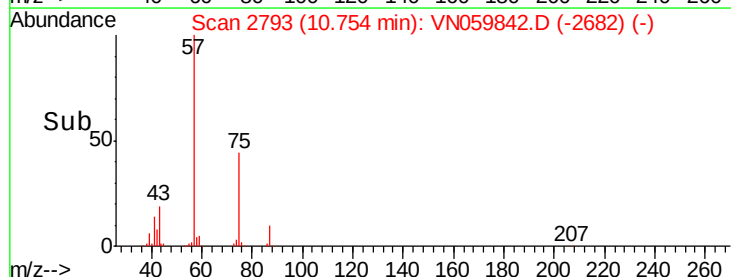
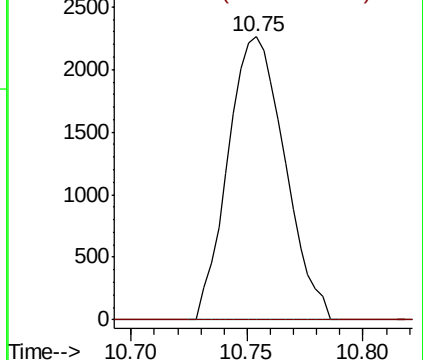
76 100

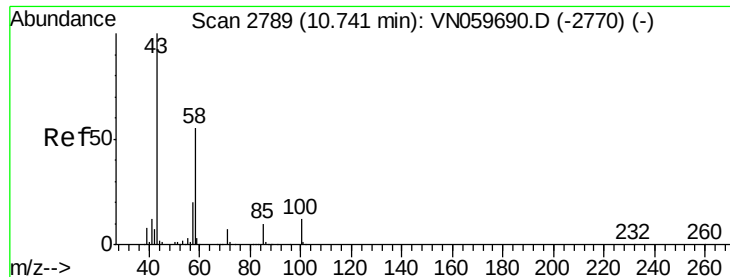
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

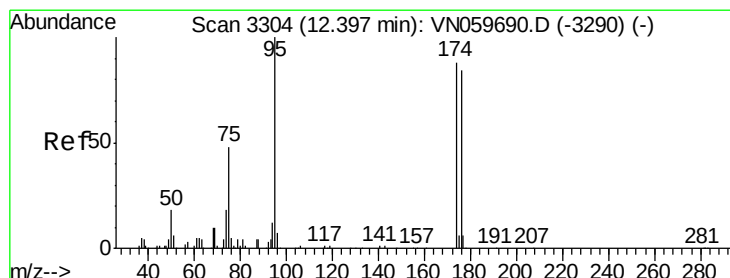
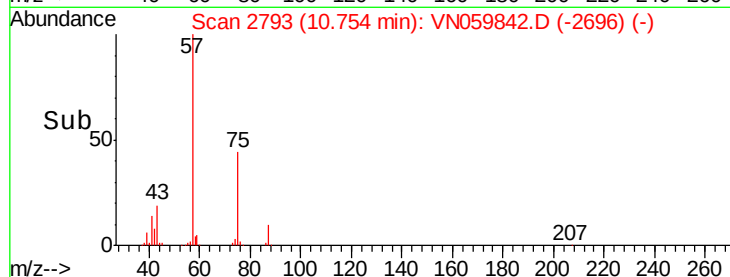
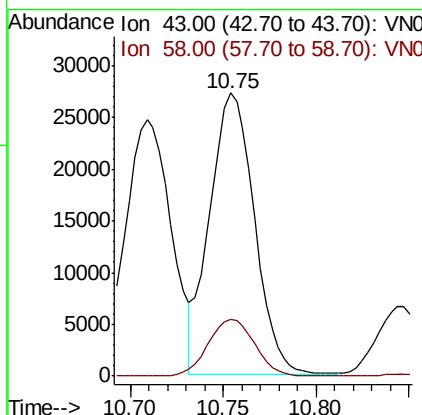
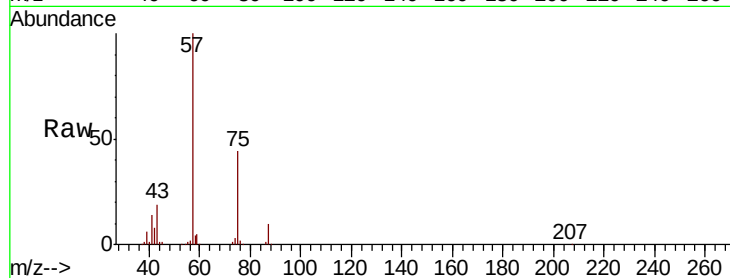




#59
2-Hexanone
Concen: 23.909 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059842.D
Acq: 24 Jan 2020 13:57

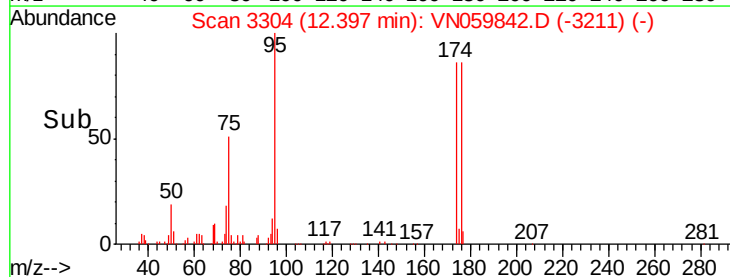
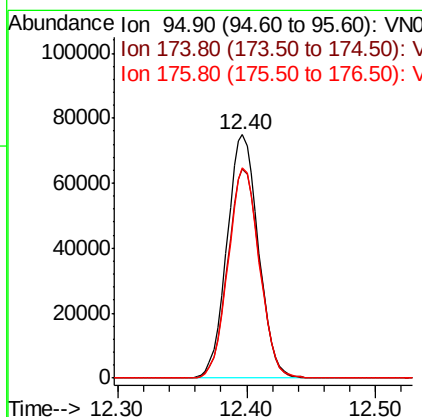
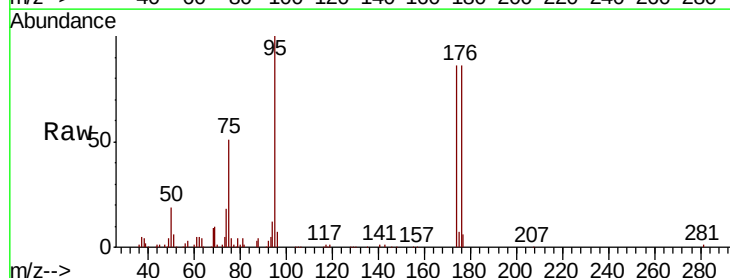
Instrument :
MSVOA_N
ClientSampleId :

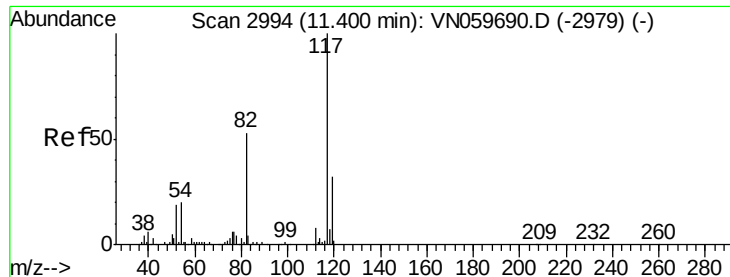
Tot Ion: 43 Resp: 45710
Ion Ratio Lower Upper
43 100
58 21.0 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 47.635 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059842.D
Acq: 24 Jan 2020 13:57

Tgt Ion: 95 Resp: 126787
Ion Ratio Lower Upper
95 100
174 86.8 0.0 151.4
176 85.6 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: VN059842.D

Acq: 24 Jan 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

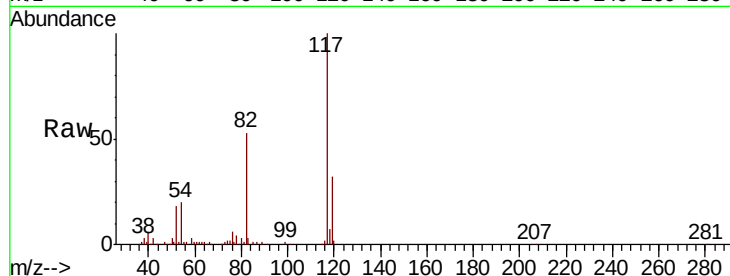
Tot Ion:117 Resp: 285735

Ion Ratio Lower Upper

117 100

82 52.8 45.9 68.9

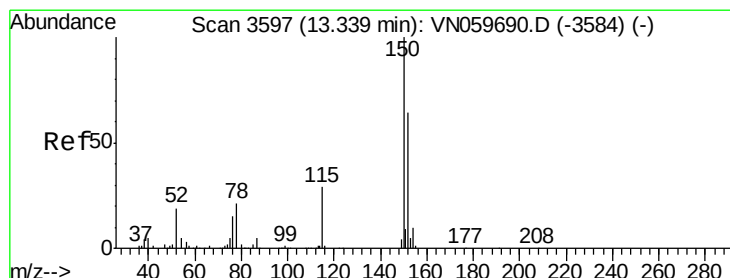
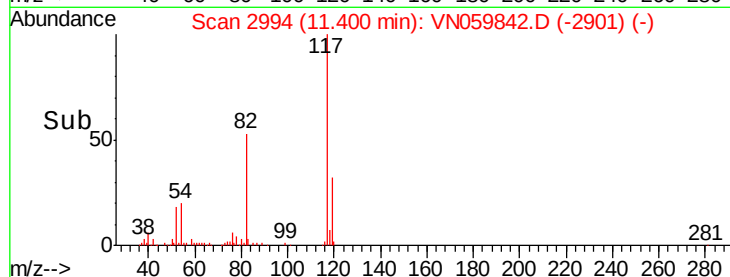
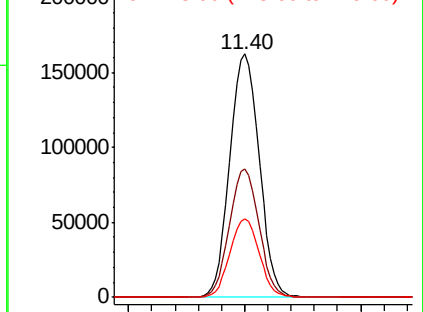
119 32.4 25.5 38.3



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: VN059842.D

Acq: 24 Jan 2020 13:57

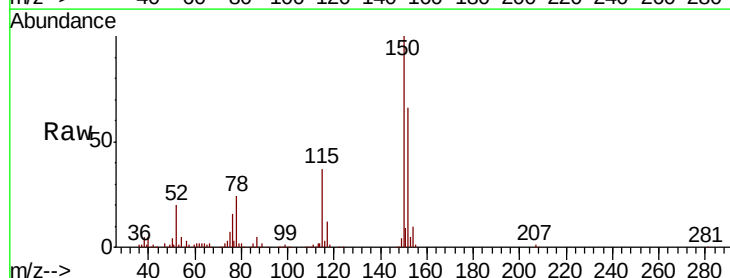
Tgt Ion:152 Resp: 119539

Ion Ratio Lower Upper

152 100

115 57.2 30.3 90.9

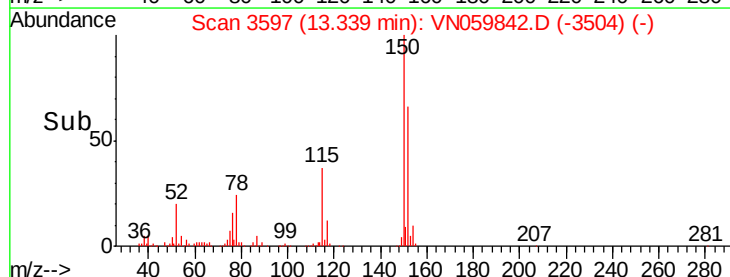
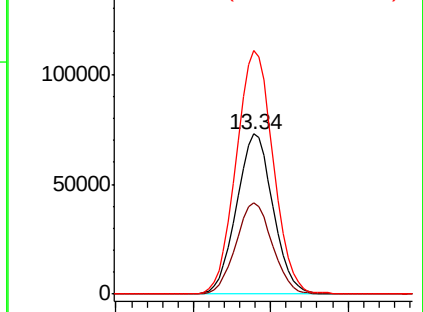
150 155.2 0.0 345.2

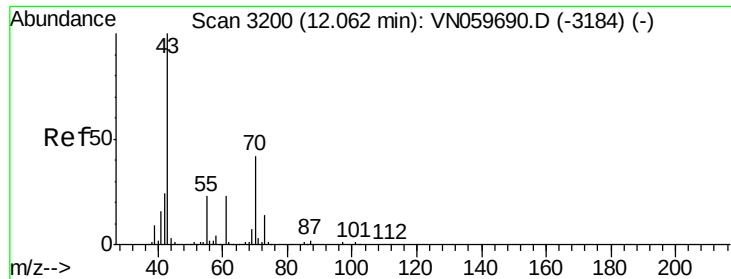


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.803 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059842.D

Acq: 24 Jan 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2733

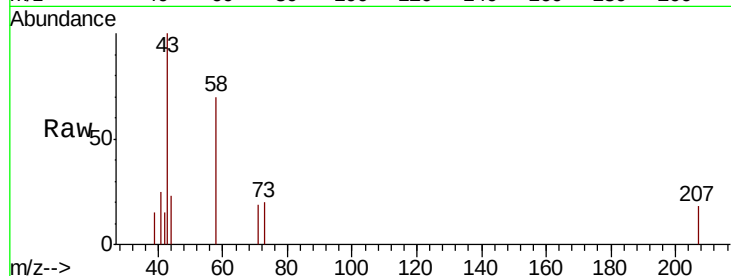
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

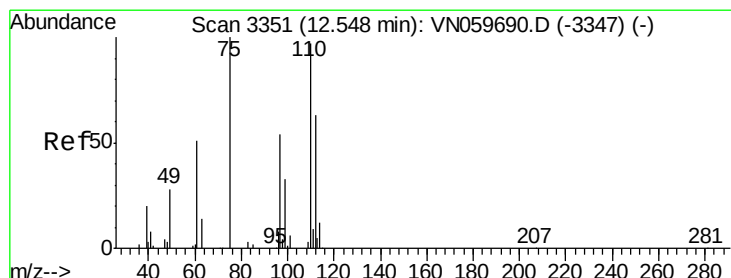
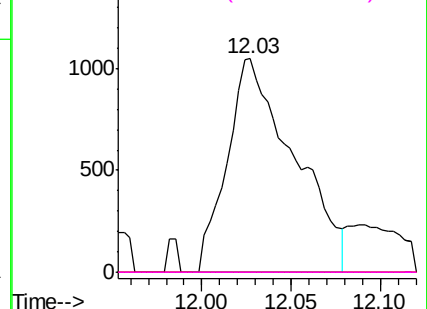
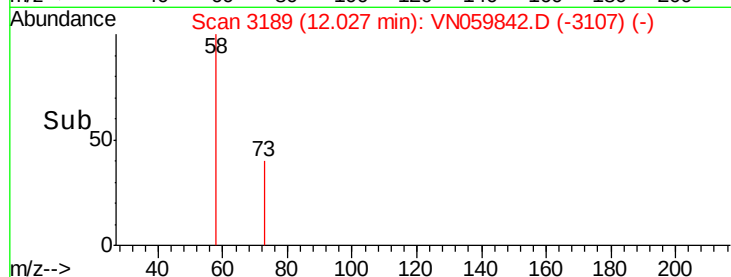


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC



#76

1,2,3-Trichloropropane

Concen: 31.550 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059842.D

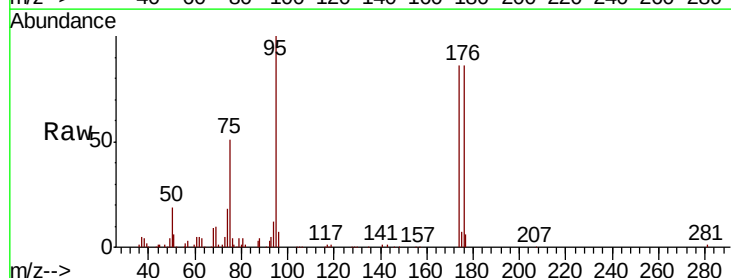
Acq: 24 Jan 2020 13:57

Tgt Ion: 75 Resp: 63470

Ion Ratio Lower Upper

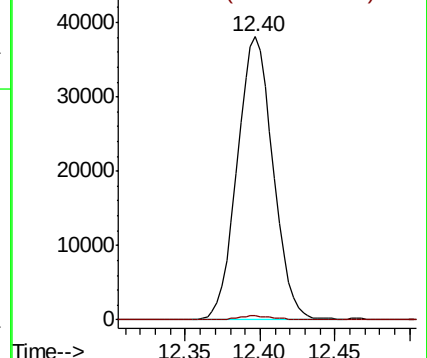
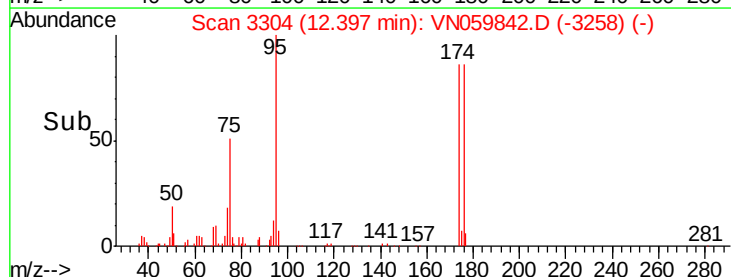
75 100

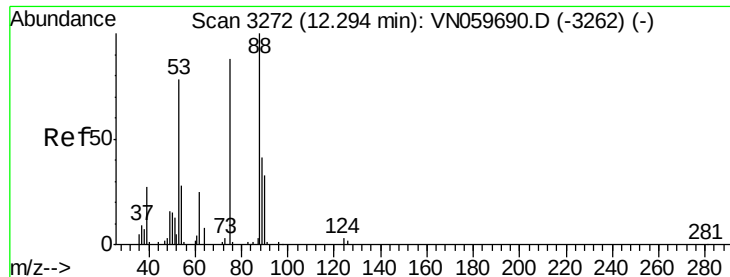
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#81

trans-1,4-Dichloro-2-butene

Concen: 67.754 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059842.D

Acq: 24 Jan 2020 13:57

Instrument :

MSVOA_N

ClientSampled :

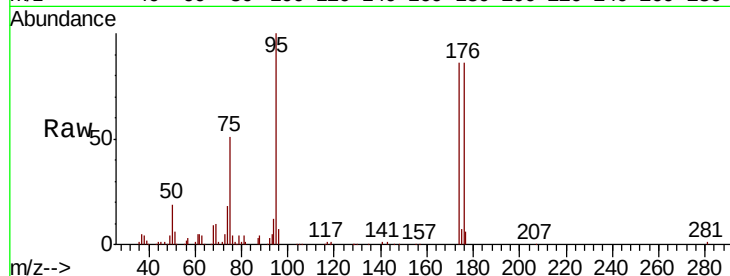
Tot Ion: 75 Resp: 63470

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

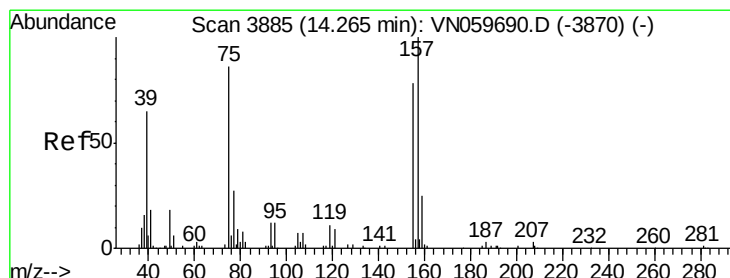
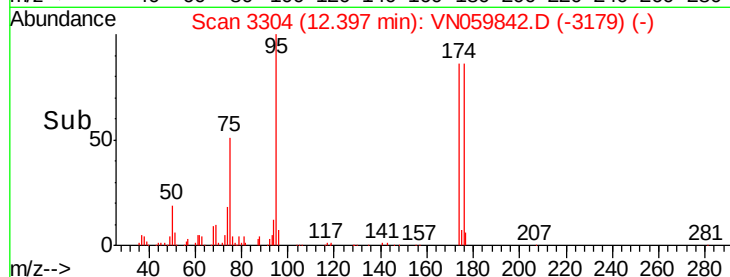
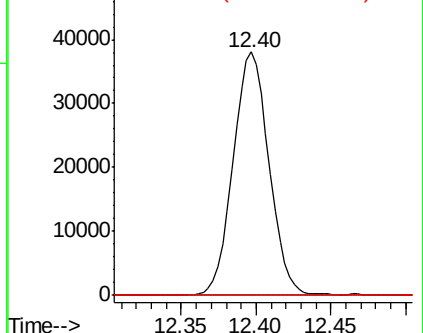
89 0.0 35.4 53.2#



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: 14.19 min Scan# 3861

Delta R.T. -0.08 min

Lab File: VN059842.D

Acq: 24 Jan 2020 13:57

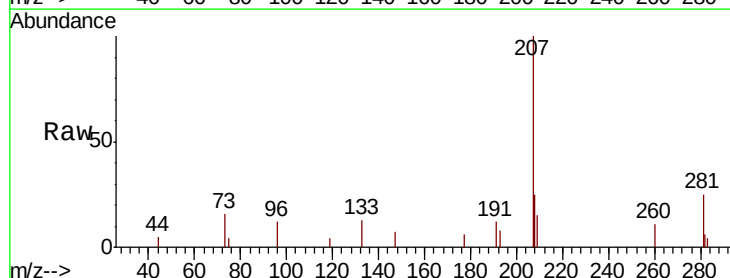
Tgt Ion: 75 Resp: 63

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): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

