

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059790.D
 Acq On : 20 Jan 2020 16:30
 Operator : JC/MD
 Sample : L1004-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 21 01:19:18 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	211231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	318384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	280925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	119644	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	111618	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
35) Dibromofluoromethane	7.56	113	96129	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
50) Toluene-d8	10.08	98	371882	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	125136	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	

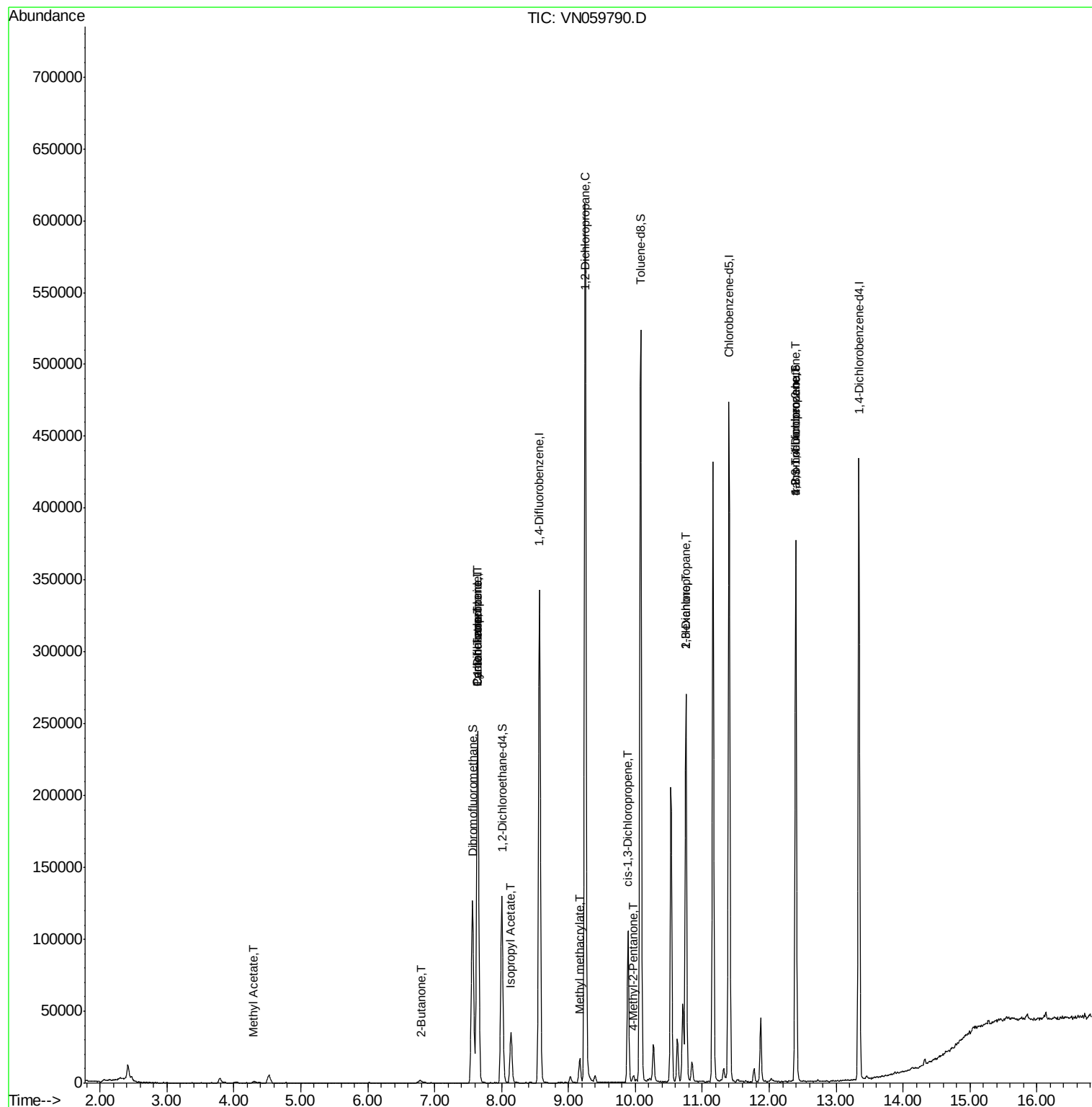
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5984	Below Cal	#	87
18) Methyl Acetate	4.30	43	2334	0.852	ug/l #	68
20) Methylene Chloride	4.52	84	2292	Below Cal		84
25) 2-Butanone	6.81	43	473	0.356	ug/l #	50
31) Cyclohexane	7.65	56	4159	1.198	ug/l #	29
36) 1,1-Dichloropropene	7.64	75	14314	5.163	ug/l #	51
38) Carbon Tetrachloride	7.64	117	19364	6.420	ug/l #	16
43) Isopropyl Acetate	8.14	43	41167	9.204	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	677	0.331	ug/l #	44
48) Methyl methacrylate	9.16	41	2385	1.192	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3432	1.327	ug/l	94
54) cis-1,3-Dichloropropene	9.89	75	20409	5.972	ug/l #	56
57) 1,3-Dichloropropane	10.76	76	3144	0.957	ug/l #	42
59) 2-Hexanone	10.75	43	36248	19.029	ug/l #	57
76) 1,2,3-Trichloropropane	12.40	75	62534	31.058	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	62534	66.696	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68	Below Cal	#	6

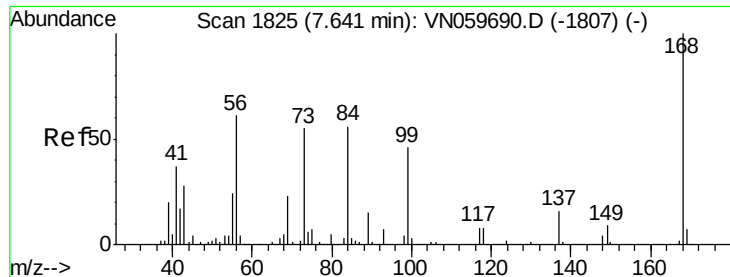
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059790.D

Acq: 20 Jan 2020 16:30

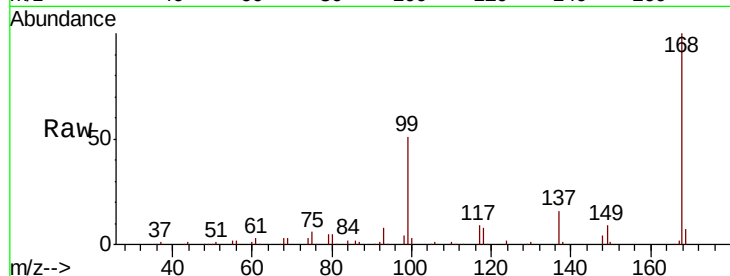
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 211231

Ion Ratio Lower Upper

168 100

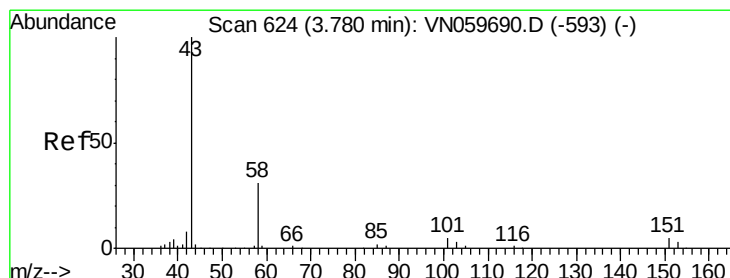
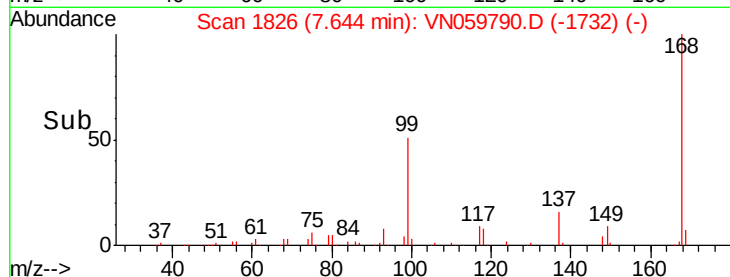
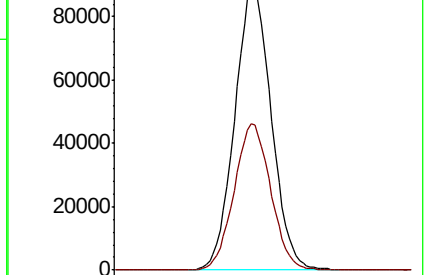
99 51.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059690.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059690.D (-1807) (-)

7.64



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN059790.D

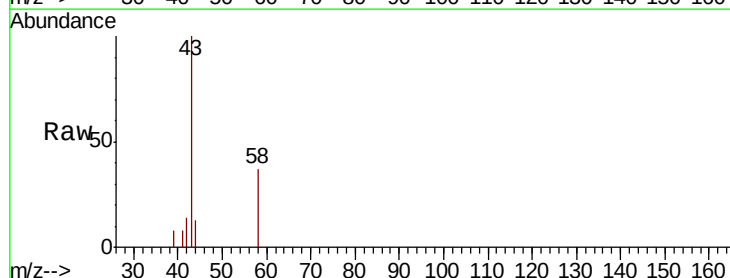
Acq: 20 Jan 2020 16:30

Tgt Ion: 43 Resp: 5984

Ion Ratio Lower Upper

43 100

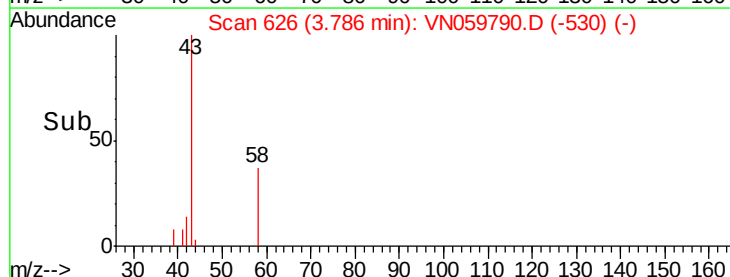
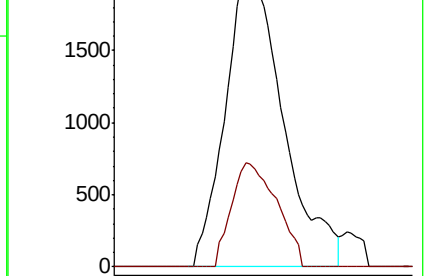
58 36.6 23.6 35.4#

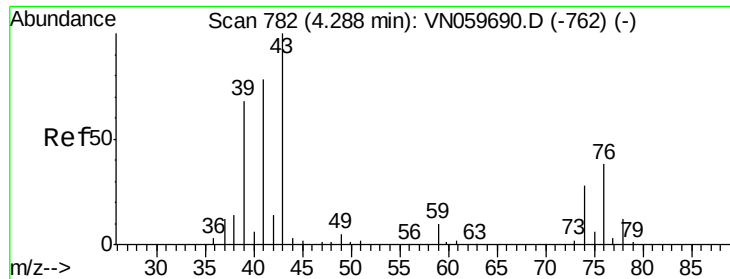


Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-593) (-)

3.79

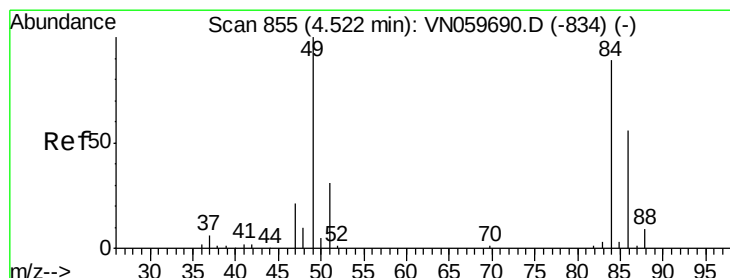
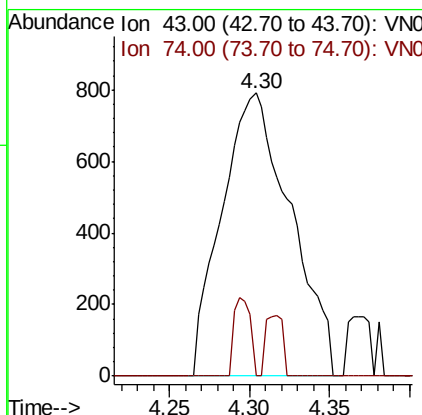
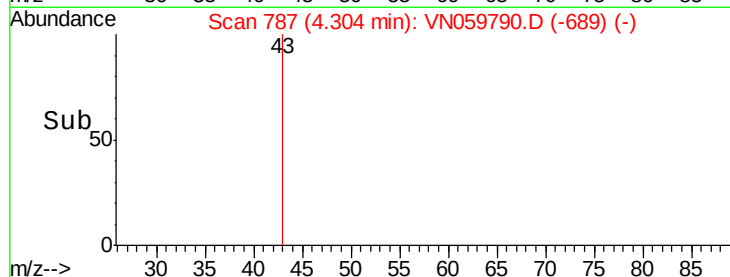
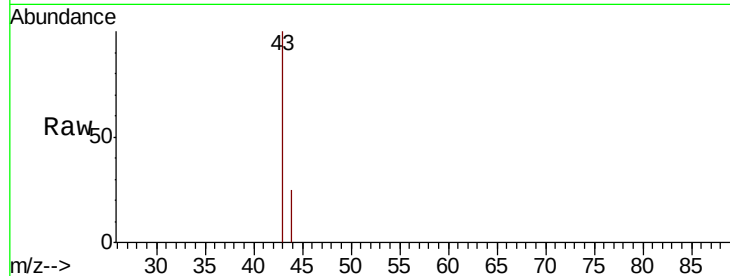




#18
Methyl Acetate
Concen: 0.852 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN059790.D
Acq: 20 Jan 2020 16:30

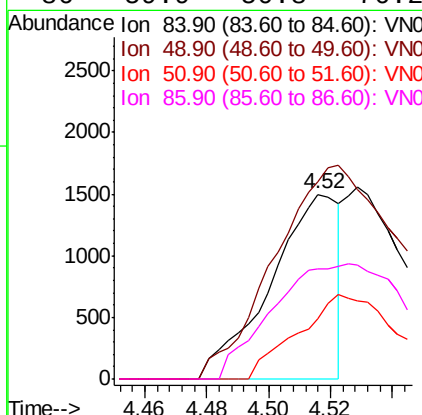
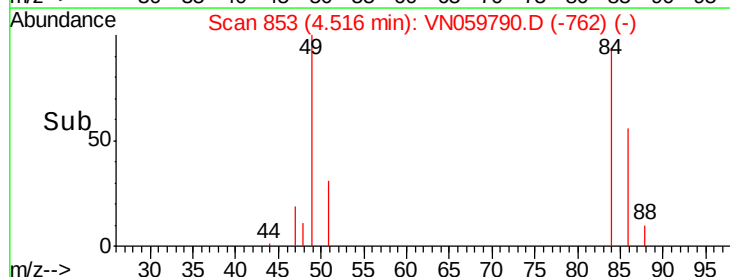
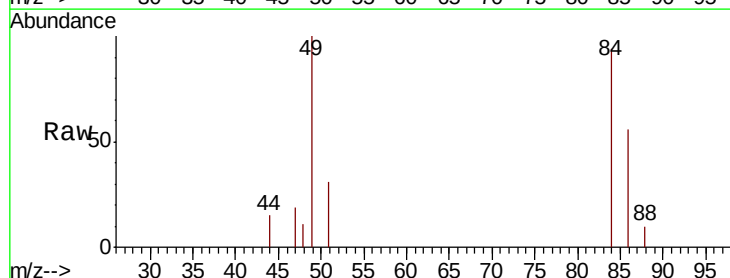
Instrument :
MSVOA_N
ClientSampled :

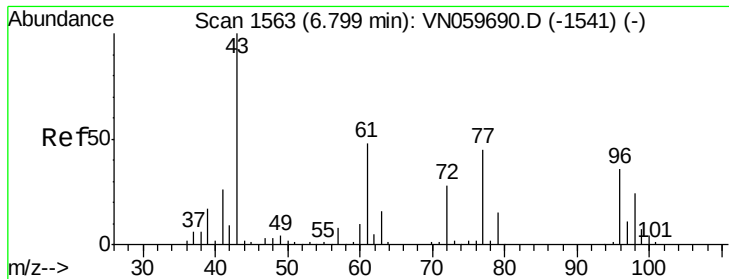
Tot Ion: 43 Resp: 2334
Ion Ratio Lower Upper
43 100
74 6.5 17.5 26.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059790.D
Acq: 20 Jan 2020 16:30

Tgt Ion: 84 Resp: 2292
Ion Ratio Lower Upper
84 100
49 106.9 106.6 160.0
51 32.7 31.9 47.9
86 59.9 50.8 76.2





#25

2-Butanone

Concen: 0.356 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN059790.D

Acq: 20 Jan 2020 16:30

Instrument :

MSVOA_N

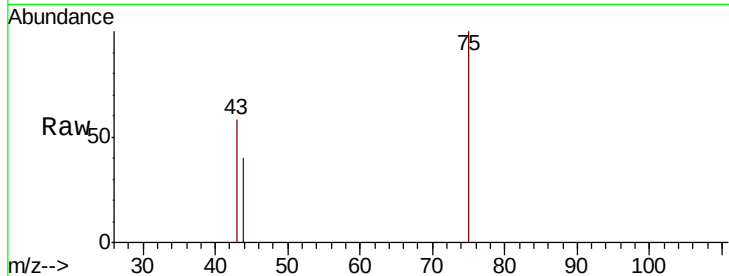
ClientSampled :

Tot Ion: 43 Resp: 473

Ion Ratio Lower Upper

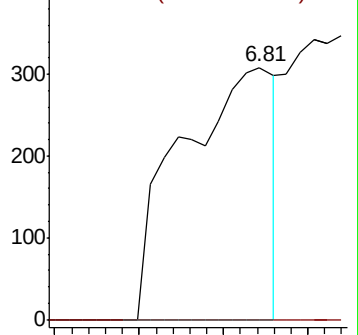
43 100

72 0.0 19.9 29.9#

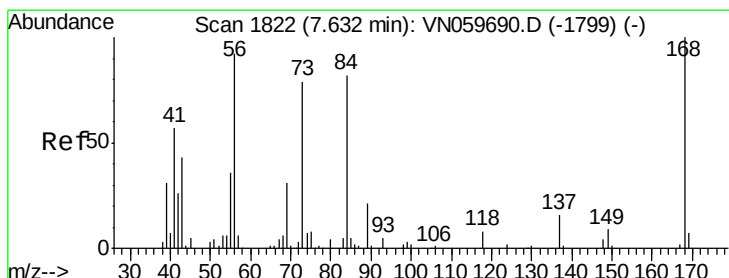
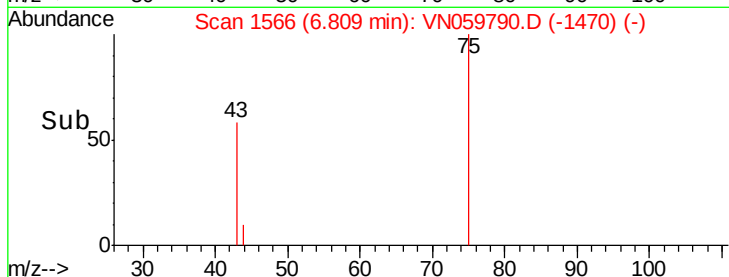


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time--> 6.76 6.78 6.80 6.82



#31

Cyclohexane

Concen: 1.198 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.02 min

Lab File: VN059790.D

Acq: 20 Jan 2020 16:30

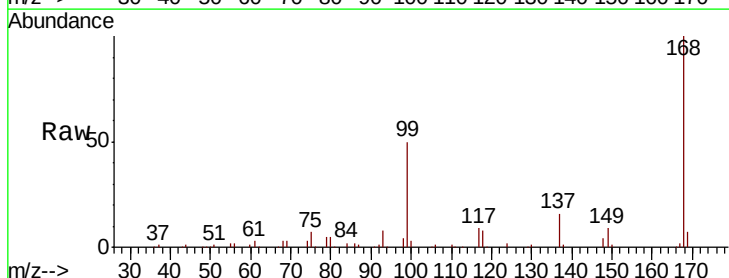
Tgt Ion: 56 Resp: 4159

Ion Ratio Lower Upper

56 100

69 137.7 26.5 39.7#

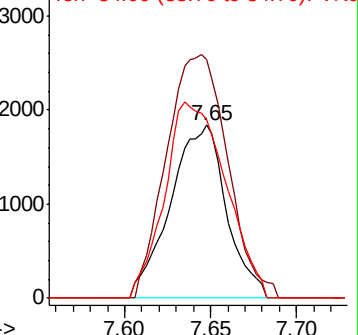
84 103.3 65.3 97.9#



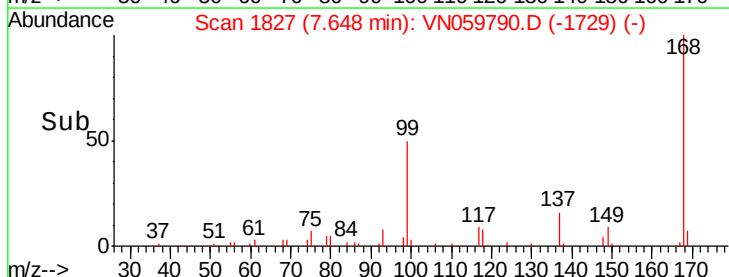
Abundance Ion 56.00 (55.70 to 56.70): VN0

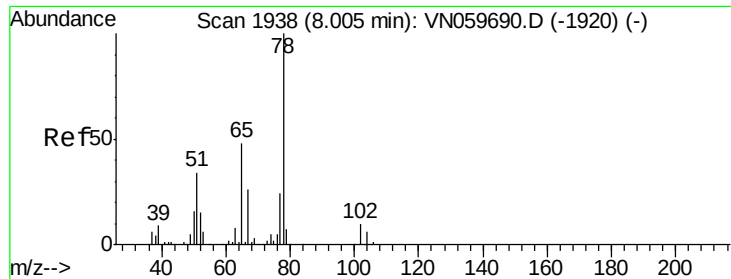
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time--> 7.60 7.65 7.70

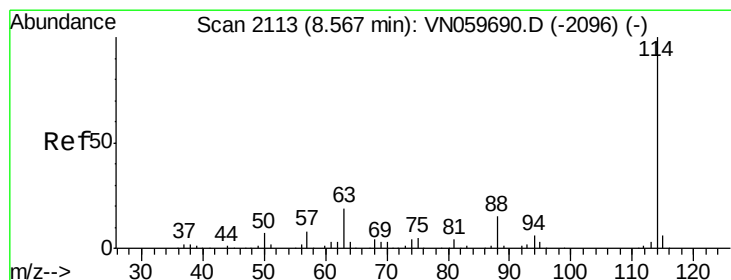
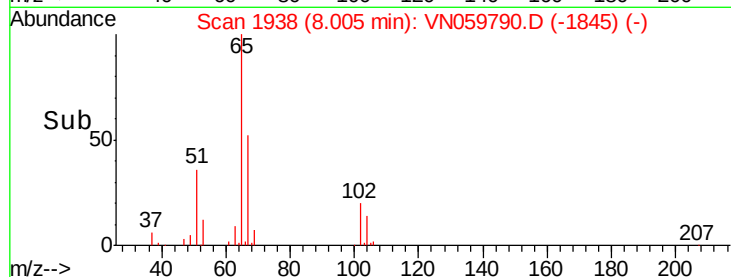
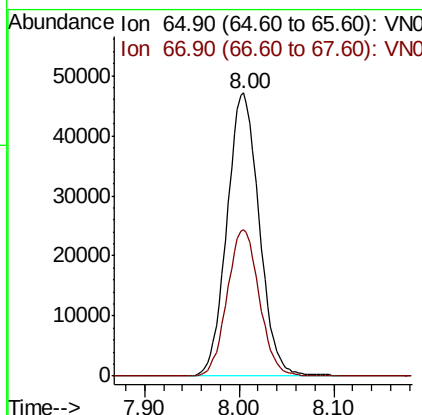
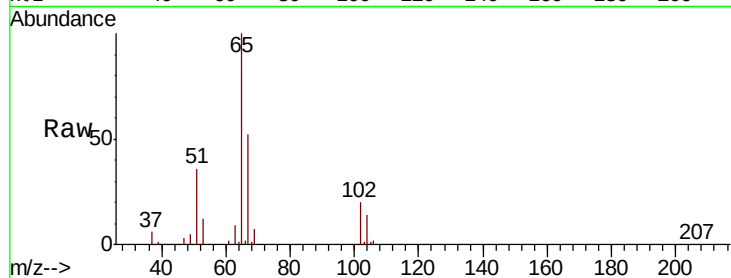




#33
 1,2-Dichloroethane-d4
 Concen: 47.583 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059790.D
 Acq: 20 Jan 2020 16:30

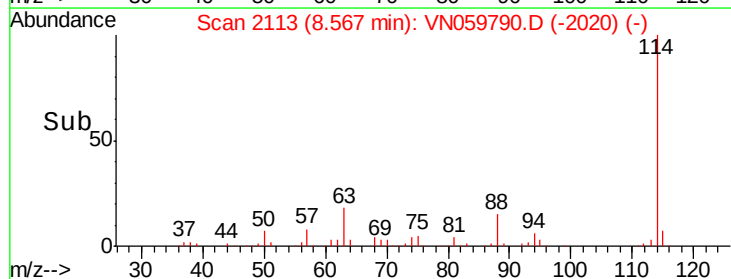
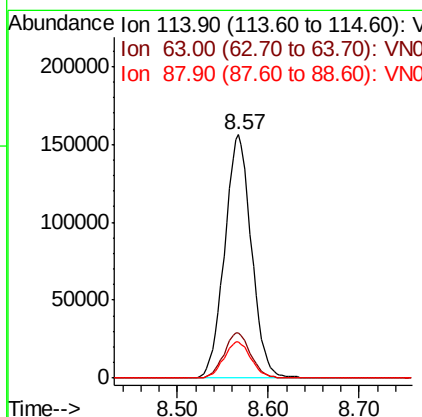
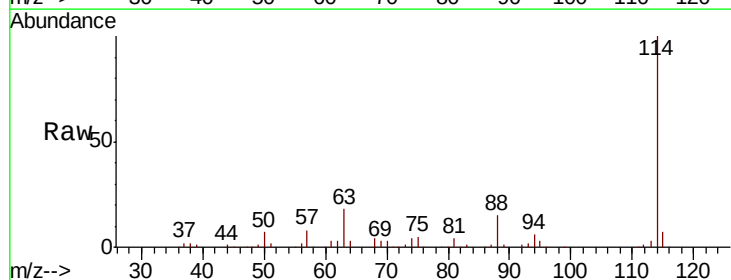
Instrument :
 MSVOA_N
 ClientSampleId :

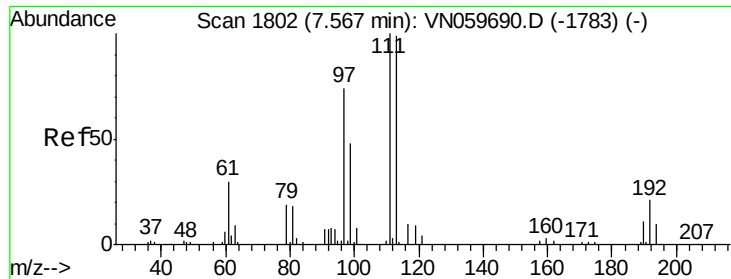
Tot Ion: 65 Resp: 111618
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059790.D
 Acq: 20 Jan 2020 16:30

Tgt Ion: 114 Resp: 318384
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 43.6
 88 14.9 0.0 31.4

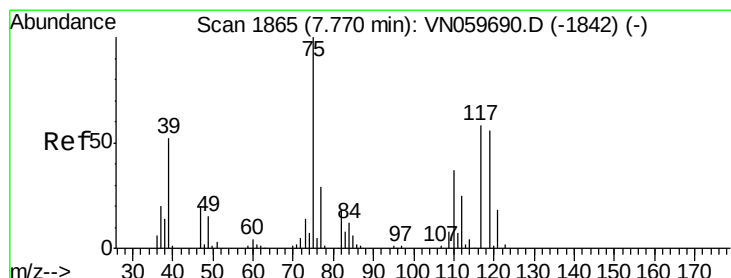
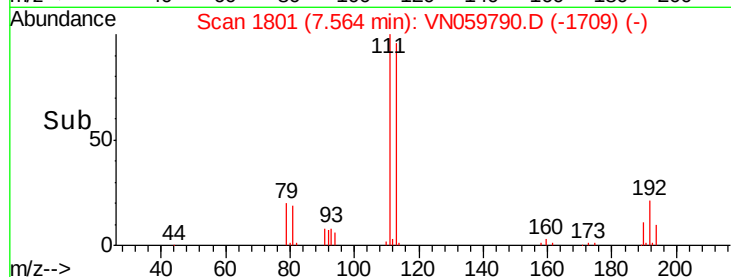
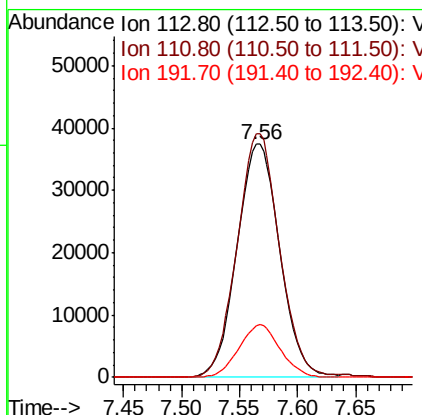
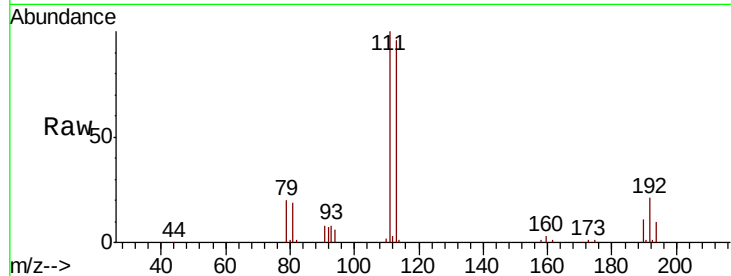




#35
 Dibromofluoromethane
 Concen: 50.630 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059790.D
 Acq: 20 Jan 2020 16:30

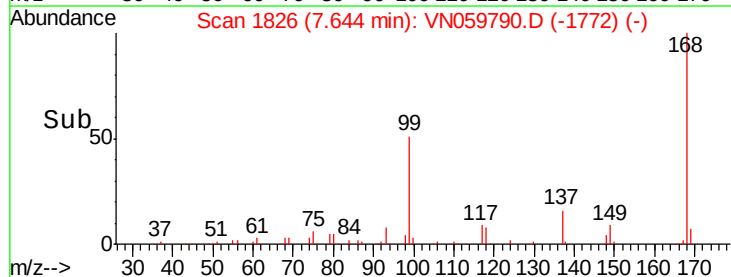
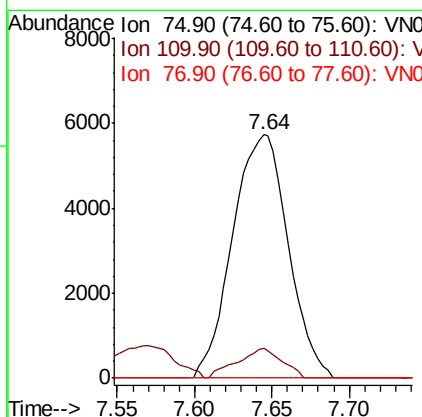
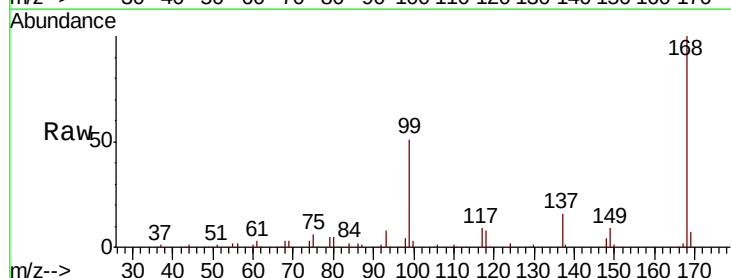
Instrument :
 MSVOA_N
 ClientSampled :

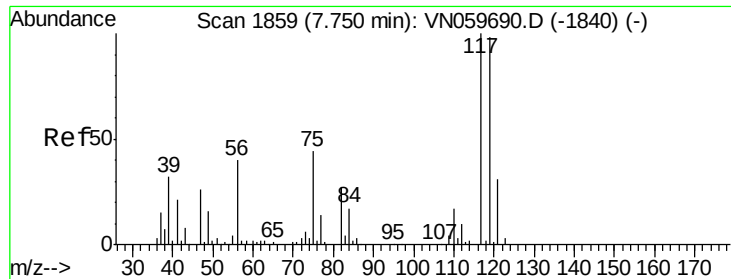
Tot Ion:113 Resp: 96129
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.5 125.3
 192 21.8 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.163 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059790.D
 Acq: 20 Jan 2020 16:30

Tgt Ion: 75 Resp: 14314
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.6 49.7#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.420 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059790.D

Acq: 20 Jan 2020 16:30

Instrument :

MSVOA_N

ClientSampled :

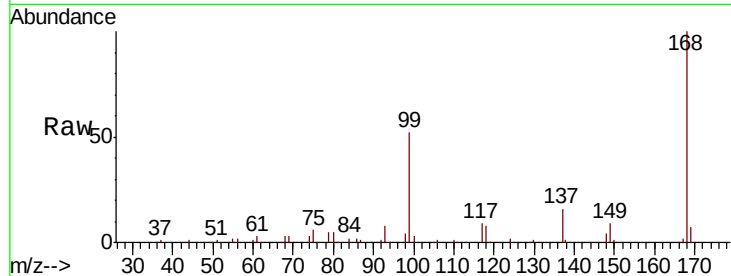
Tot Ion:117 Resp: 19364

Ion Ratio Lower Upper

117 100

119 4.8 76.5 114.7#

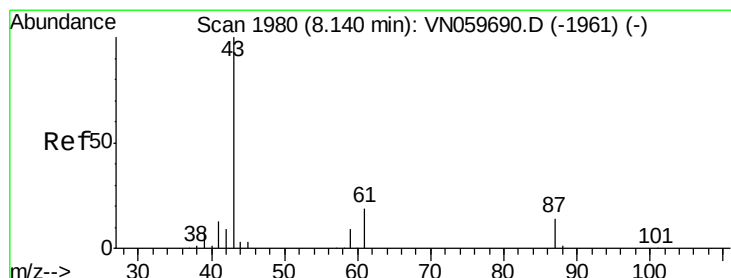
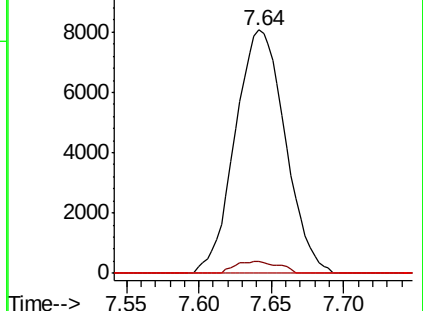
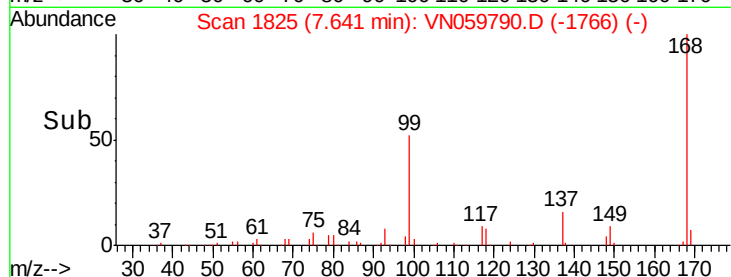
121 0.0 25.1 37.7#



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: 9.204 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059790.D

Acq: 20 Jan 2020 16:30

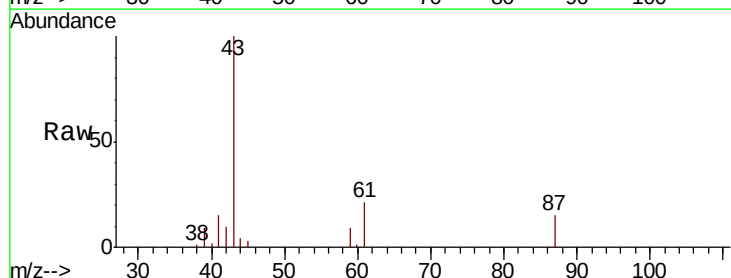
Tgt Ion: 43 Resp: 41167

Ion Ratio Lower Upper

43 100

61 21.3 20.2 30.2

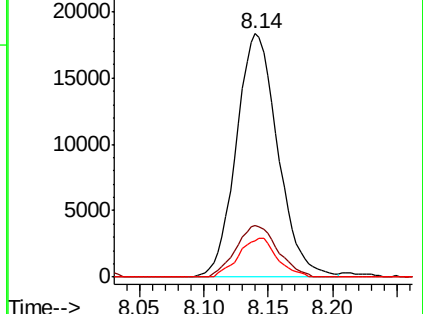
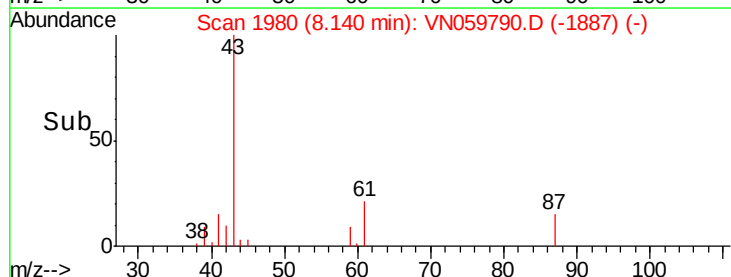
87 14.6 9.5 14.3#

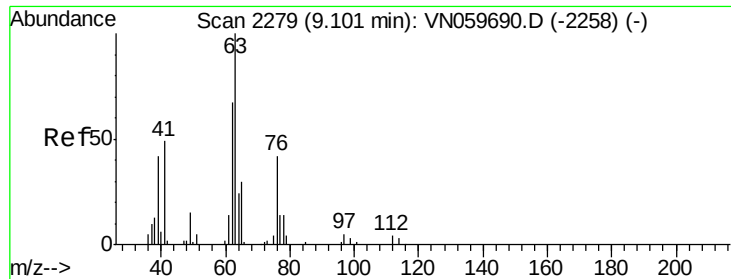


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

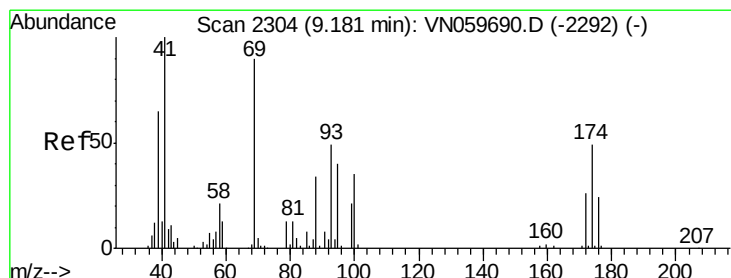
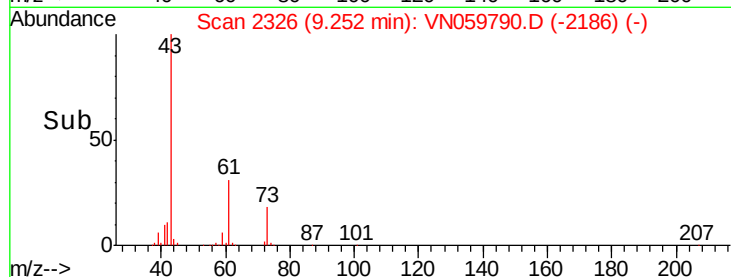
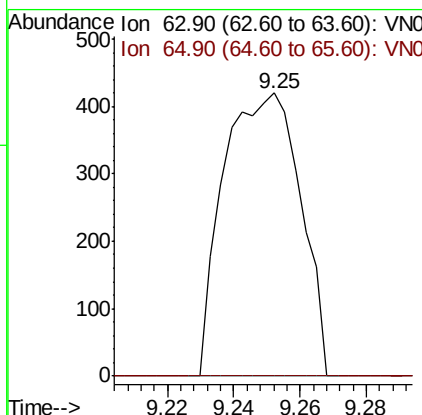
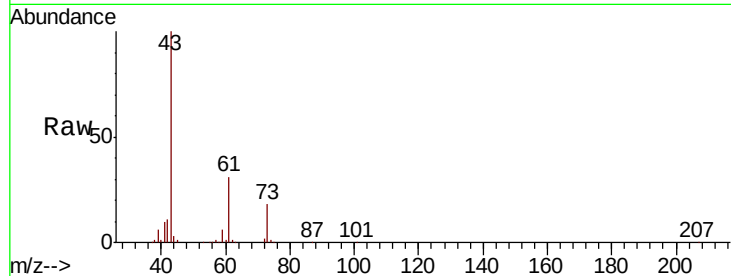




#45
 1,2-Dichloropropane
 Concen: 0.331 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN059790.D
 Acq: 20 Jan 2020 16:30

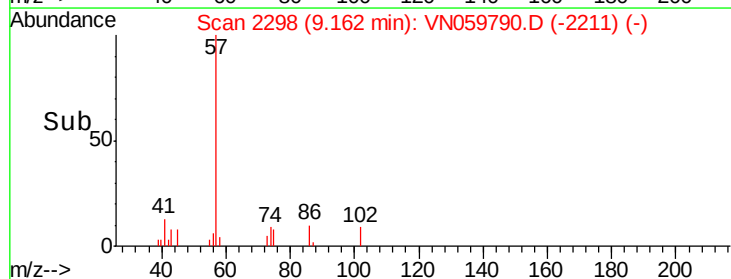
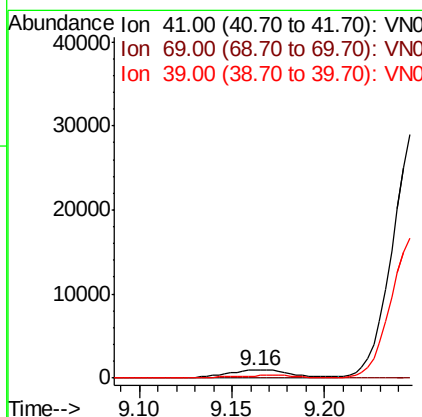
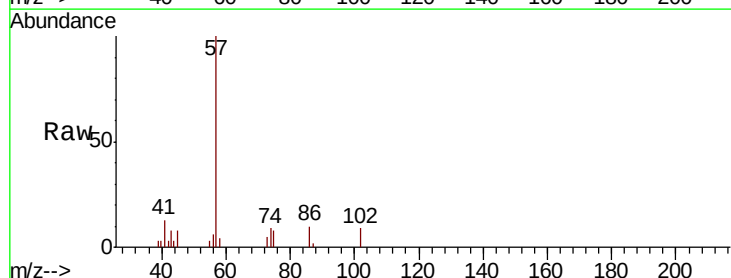
Instrument :
 MSVOA_N
 ClientSampleId :

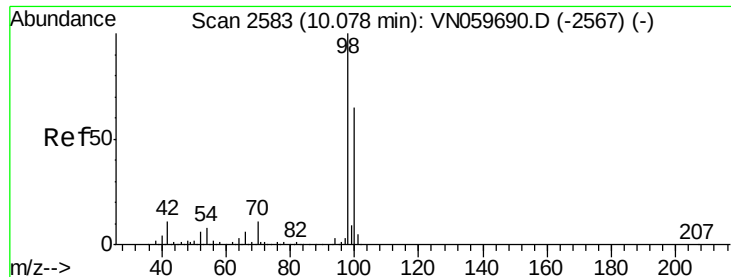
Tot Ion: 63 Resp: 677
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.192 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN059790.D
 Acq: 20 Jan 2020 16:30

Tgt Ion: 41 Resp: 2385
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#





#50

Toluene-d8

Concen: 50.552 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059790.D

Acq: 20 Jan 2020 16:30

Instrument :

MSVOA_N

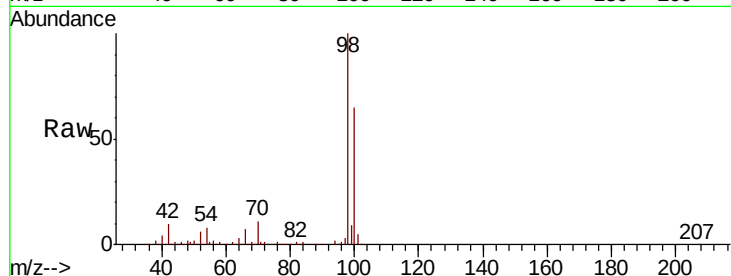
ClientSampled :

Tot Ion: 98 Resp: 371882

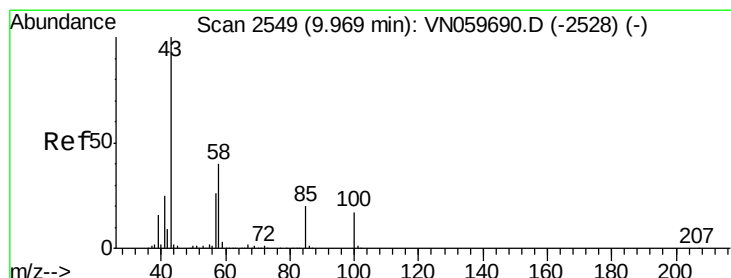
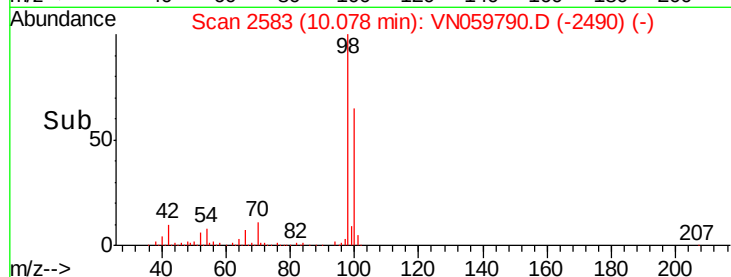
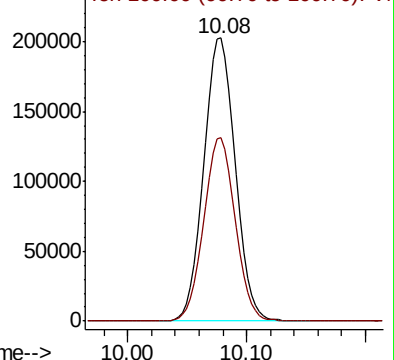
Ion Ratio Lower Upper

98 100

100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059790.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.327 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059790.D

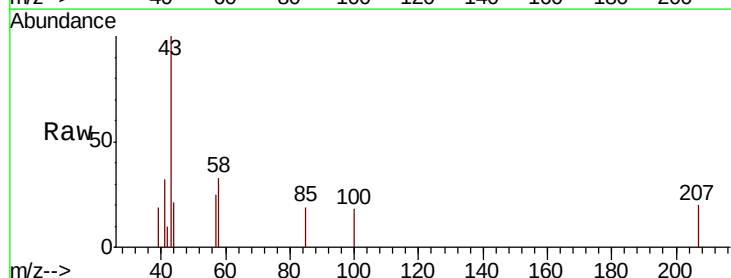
Acq: 20 Jan 2020 16:30

Tgt Ion: 43 Resp: 3432

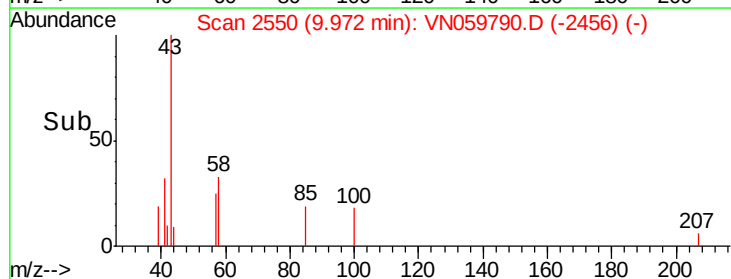
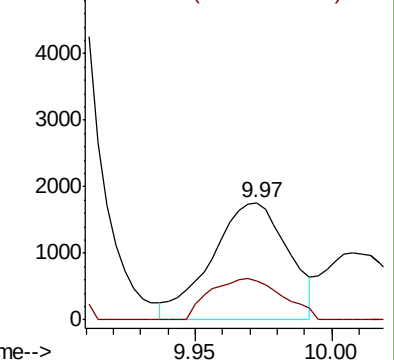
Ion Ratio Lower Upper

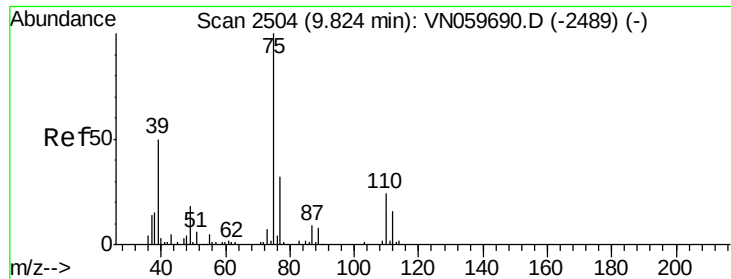
43 100

58 33.7 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059790.D (-2528) (-)





#54

cis-1,3-Dichloropropene

Concen: 5.972 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN059790.D

Acq: 20 Jan 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

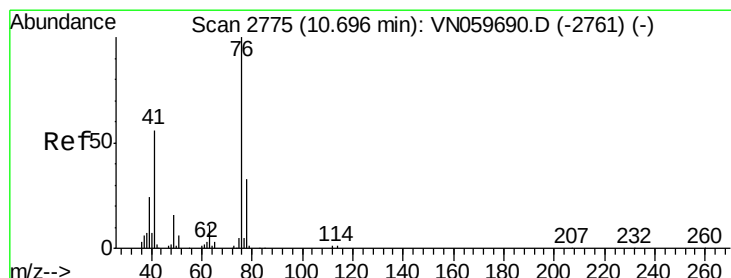
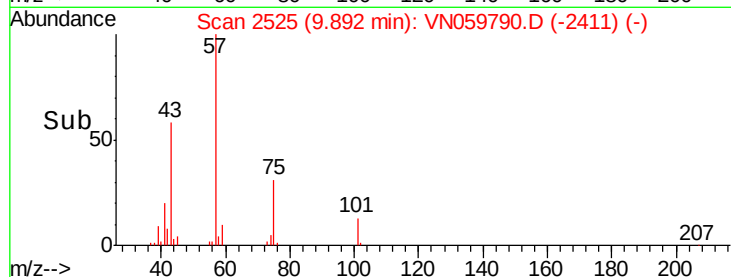
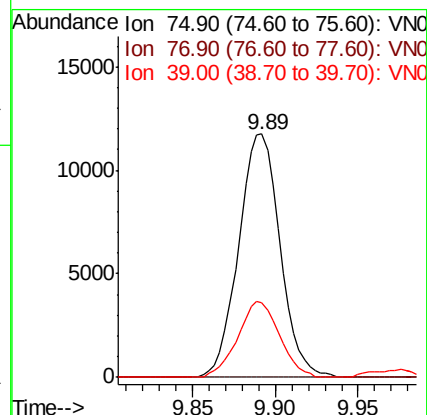
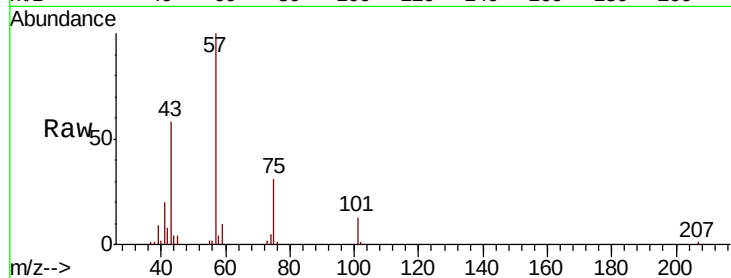
Tot Ion: 75 Resp: 20409

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 30.8 46.1 69.1#



#57

1,3-Dichloropropane

Concen: 0.957 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN059790.D

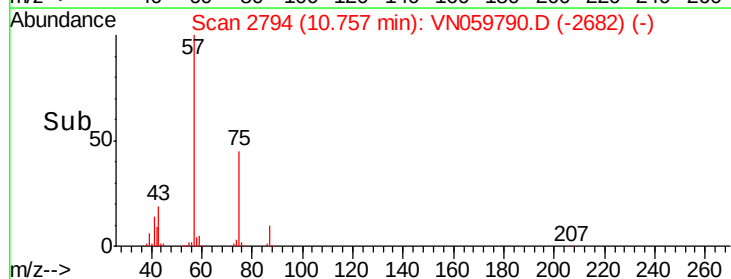
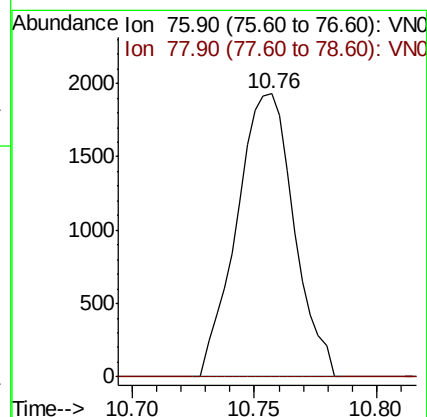
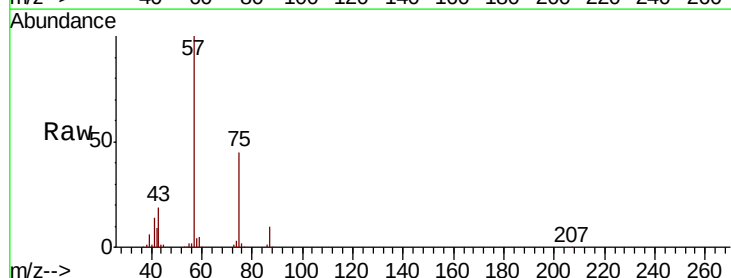
Acq: 20 Jan 2020 16:30

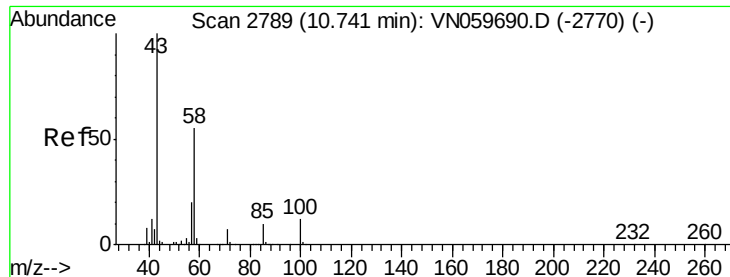
Tgt Ion: 76 Resp: 3144

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#

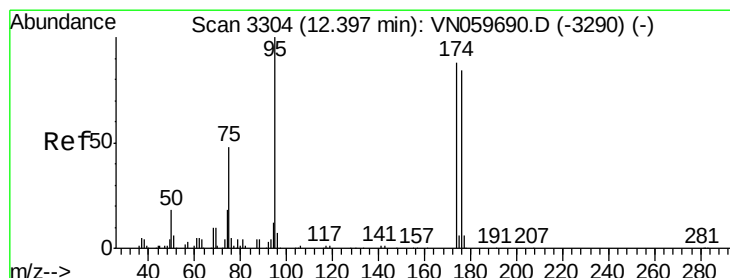
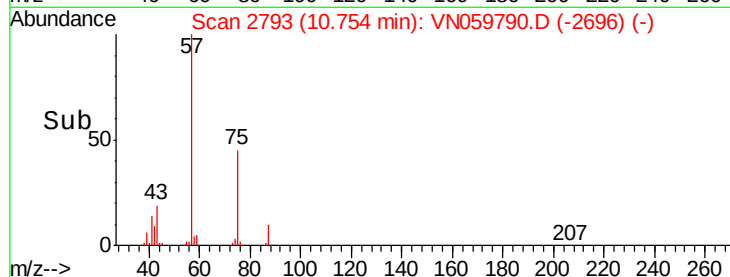
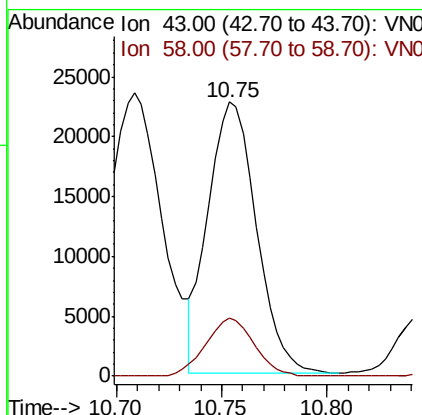
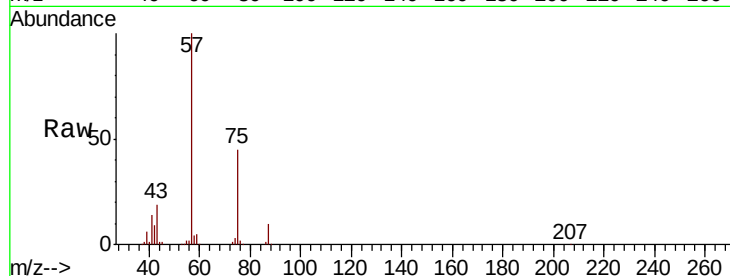




#59
2-Hexanone
Concen: 19.029 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059790.D
Acq: 20 Jan 2020 16:30

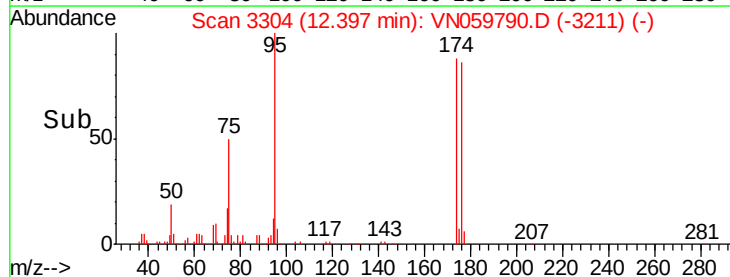
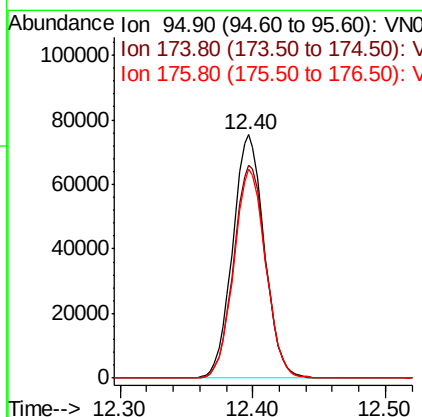
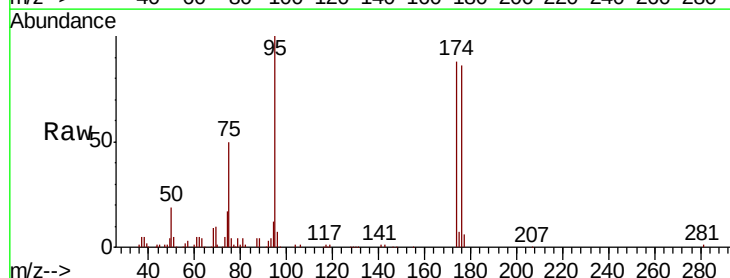
Instrument :
MSVOA_N
ClientSampled :

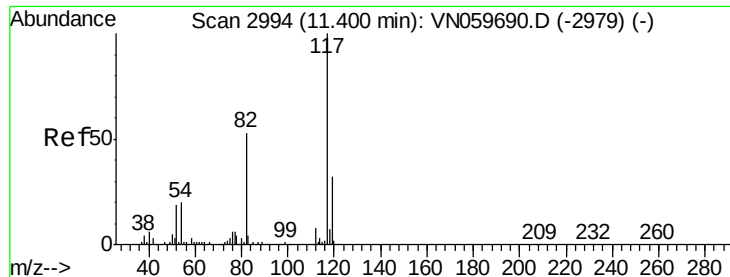
Tot Ion: 43 Resp: 36248
Ion Ratio Lower Upper
43 100
58 21.2 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 47.186 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059790.D
Acq: 20 Jan 2020 16:30

Tgt Ion: 95 Resp: 125136
Ion Ratio Lower Upper
95 100
174 88.9 0.0 151.4
176 86.2 0.0 146.0

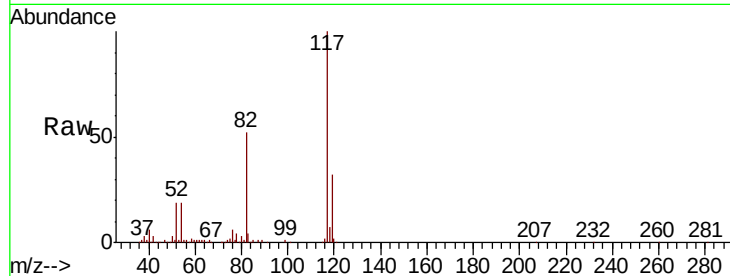




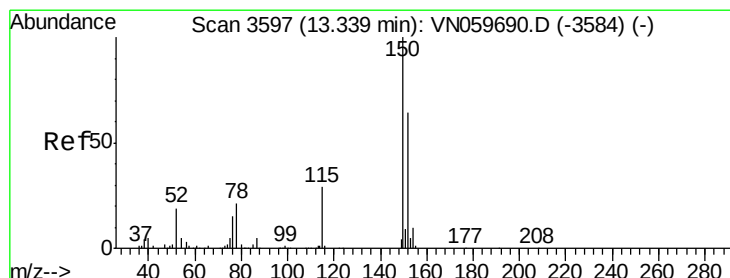
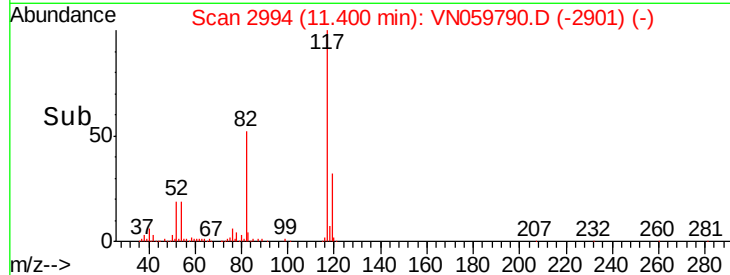
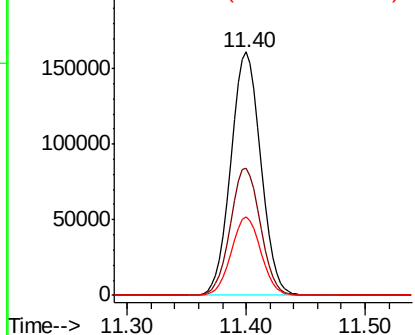
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059790.D
Acq: 20 Jan 2020 16:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 280925
Ion Ratio Lower Upper
117 100
82 52.1 45.9 68.9
119 32.1 25.5 38.3

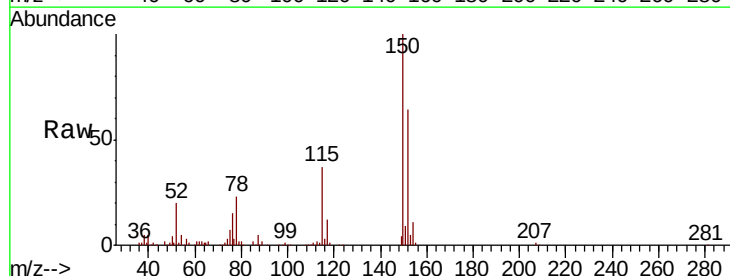


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

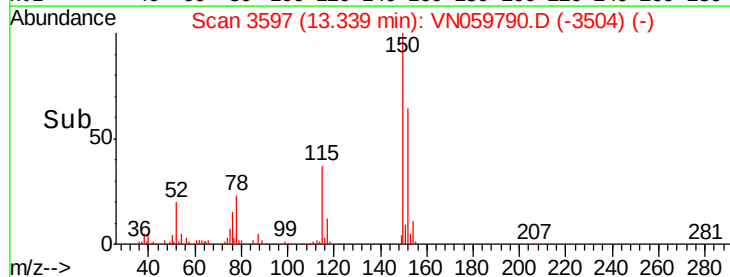
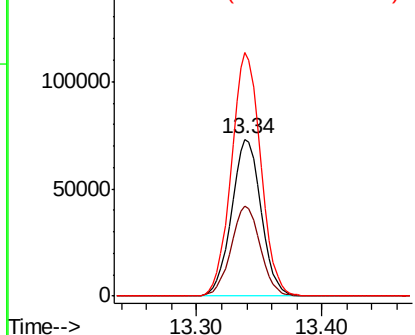


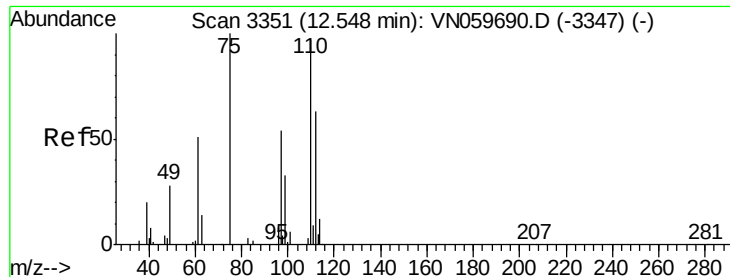
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059790.D
Acq: 20 Jan 2020 16:30

Tgt Ion:152 Resp: 119644
Ion Ratio Lower Upper
152 100
115 57.2 30.3 90.9
150 154.3 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: 31.058 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059790.D

Acq: 20 Jan 2020 16:30

Instrument :

MSVOA_N

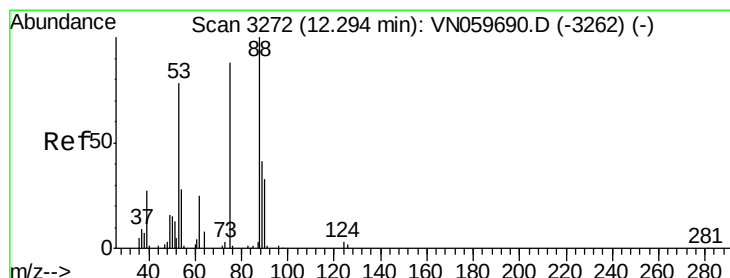
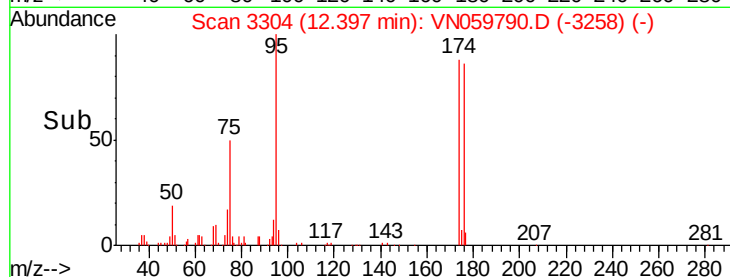
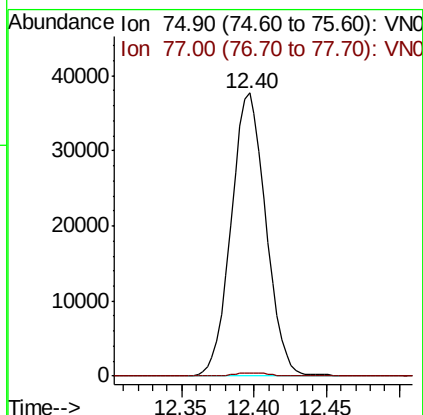
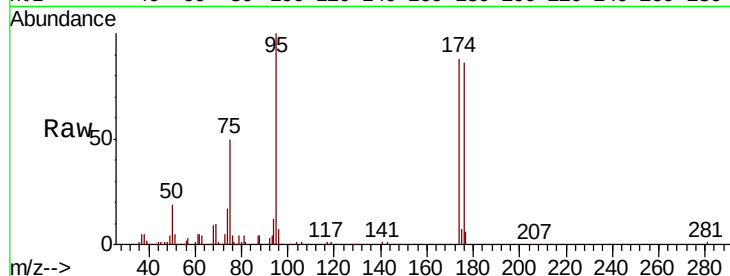
ClientSampleId :

Tot Ion: 75 Resp: 62534

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.696 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059790.D

Acq: 20 Jan 2020 16:30

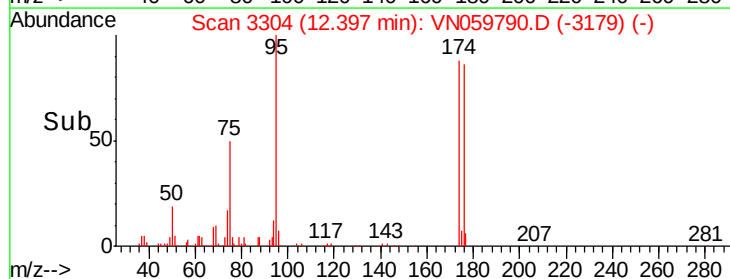
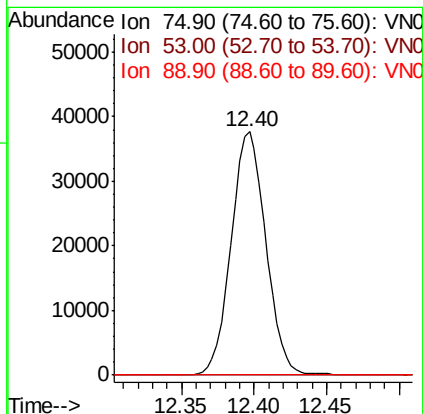
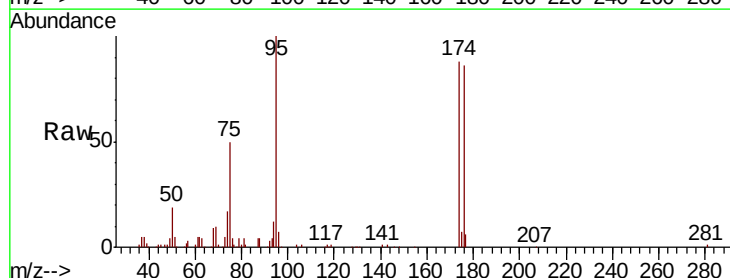
Tgt Ion: 75 Resp: 62534

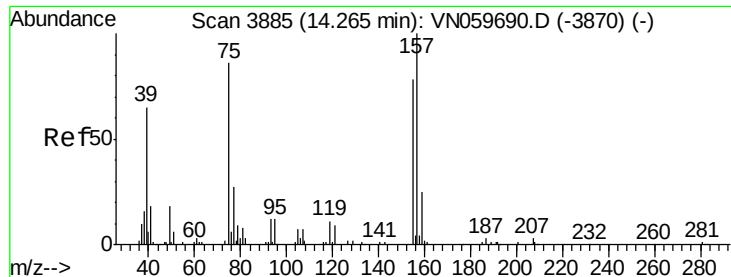
Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059790.D

Acq: 20 Jan 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

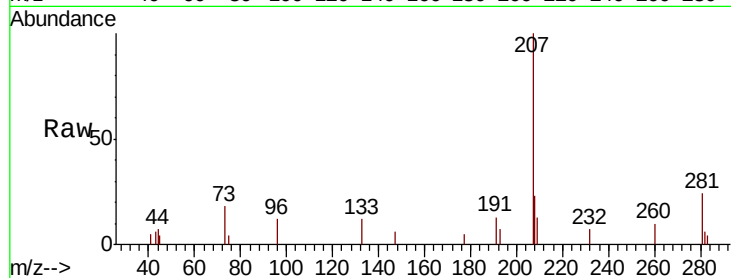
Tot Ion: 75 Resp: 68

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): VN059790.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN059790.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN059790.D (-3791) (-)

