

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012720\
 Data File : VN059880.D
 Acq On : 27 Jan 2020 18:13
 Operator : JC/MD
 Sample : PB126348ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 27 23:12:10 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	207677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	315998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	280510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	116581	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	111487	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	7.56	113	94501	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.08	98	371777	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	124460	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	

Target Compounds

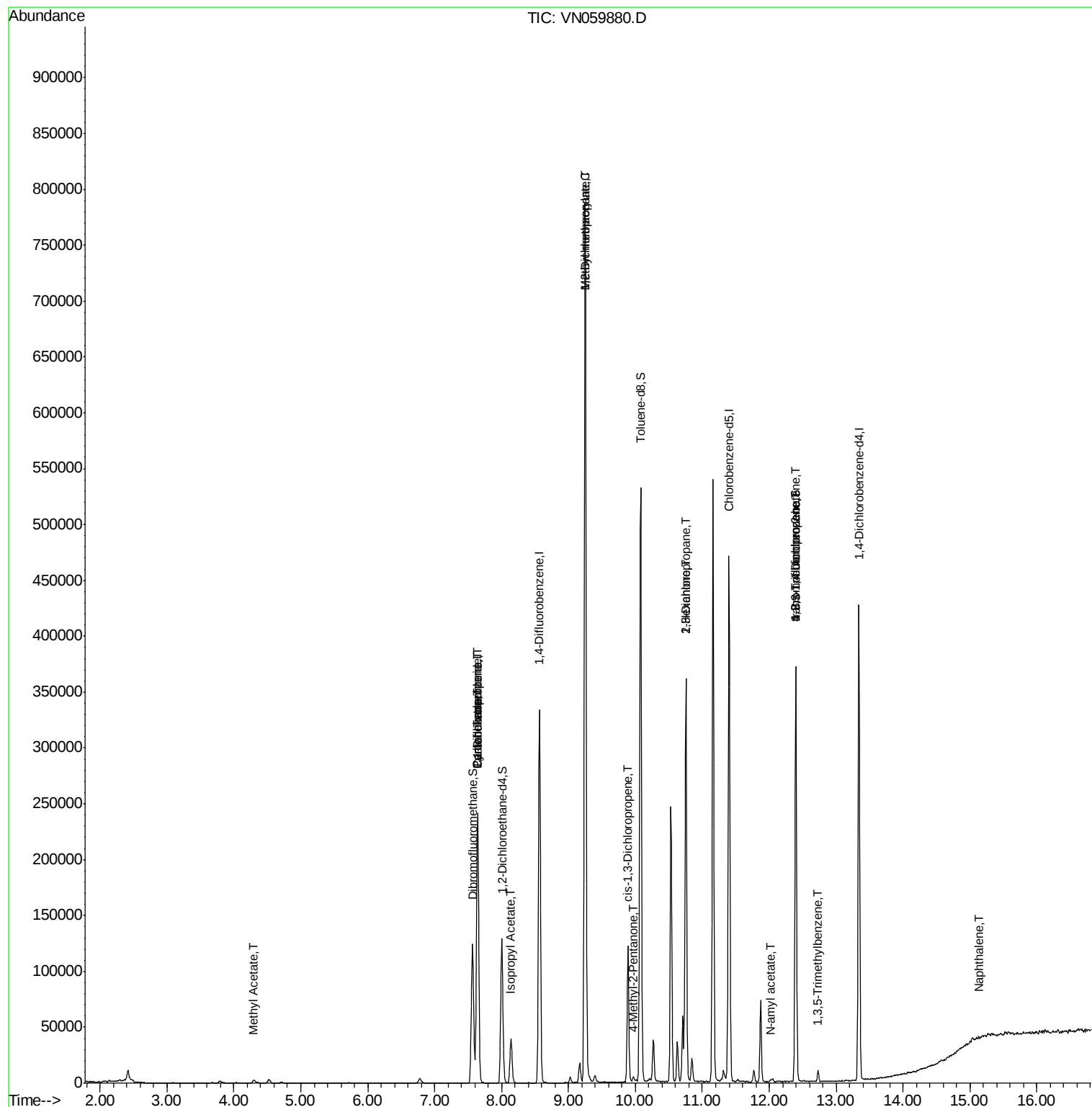
					Qvalue
16) Acetone	3.79	43	3176	Below Cal	96
18) Methyl Acetate	4.30	43	5641	2.094 ug/l #	83
20) Methylene Chloride	4.52	84	2525	Below Cal	89
31) Cyclohexane	7.64	56	3890	1.140 ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14301	5.197 ug/l #	50
38) Carbon Tetrachloride	7.64	117	18781	6.274 ug/l #	16
43) Isopropyl Acetate	8.14	43	47063	10.601 ug/l #	90
45) 1,2-Dichloropropane	9.25	63	918	0.452 ug/l #	44
48) Methyl methacrylate	9.25	41	73661	37.095 ug/l #	46
51) 4-Methyl-2-Pentanone	9.97	43	2733	1.065 ug/l	97
54) cis-1,3-Dichloropropene	9.89	75	23208	6.843 ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3943	1.210 ug/l #	42
59) 2-Hexanone	10.75	43	48778	25.801 ug/l #	55
74) N-amyl acetate	12.03	43	1159	0.349 ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	62173	31.690 ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6188	0.861 ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	62173	68.053 ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29	Below Cal #	6
95) Naphthalene	15.14	128	1286	0.202 ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012720\
Data File : VN059880.D
Acq On : 27 Jan 2020 18:13
Operator : JC/MD
Sample : PB126348ZHE#04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 27 23:12:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
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: VN059880.D

Acq: 27 Jan 2020 18:13

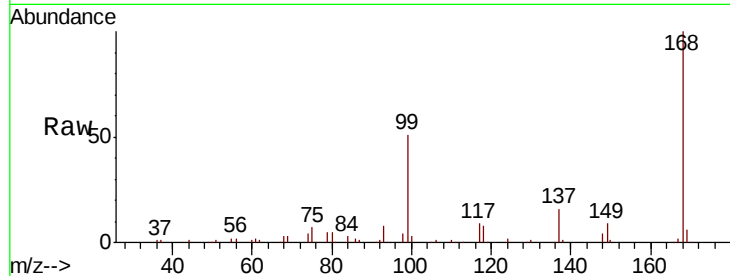
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 207677

Ion Ratio Lower Upper

168 100

99 51.1 48.2 72.4

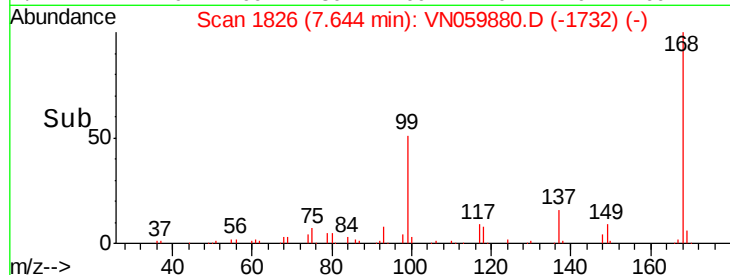


Abundance Ion 167.90 (167.60 to 168.60): VN059690.D (-1807) (-)

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

7.64

Time-->

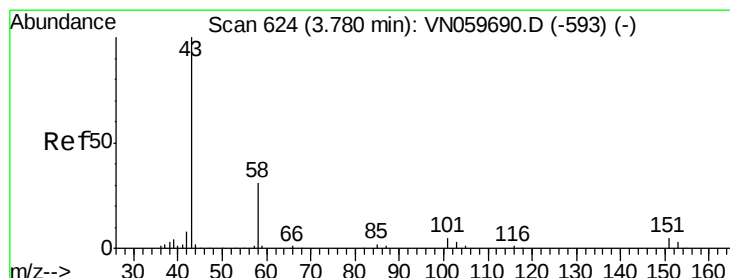


Abundance Ion 167.90 (167.60 to 168.60): VN059880.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059880.D (-1732) (-)

7.64

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059880.D

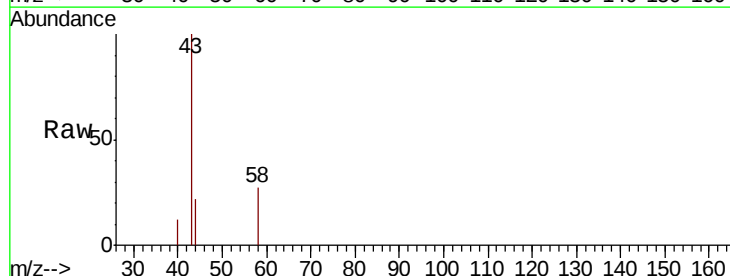
Acq: 27 Jan 2020 18:13

Tgt Ion: 43 Resp: 3176

Ion Ratio Lower Upper

43 100

58 27.4 23.6 35.4

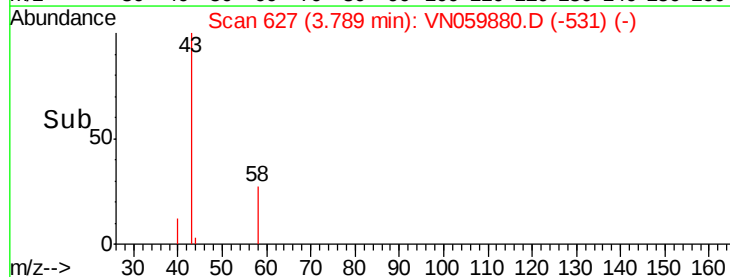


Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-593) (-)

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

3.79

Time-->



Abundance Ion 43.00 (42.70 to 43.70): VN059880.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN059880.D (-531) (-)

3.79

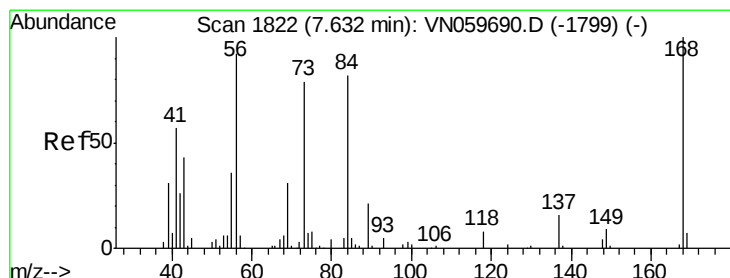
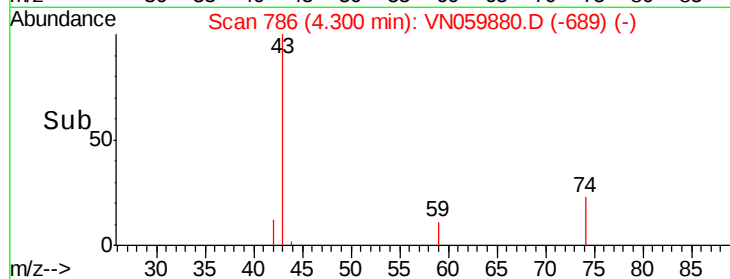
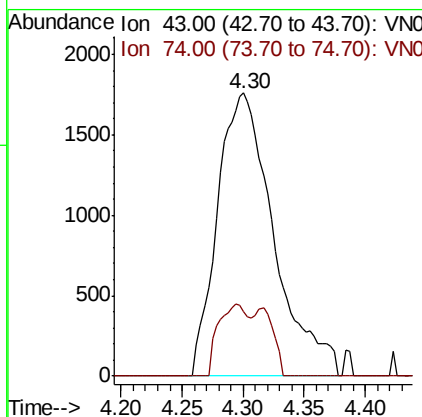
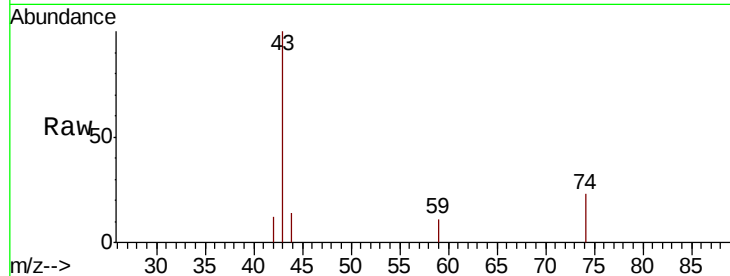
Time-->



#18
Methvl Acetate
Concen: 2.094 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059880.D
Acq: 27 Jan 2020 18:13

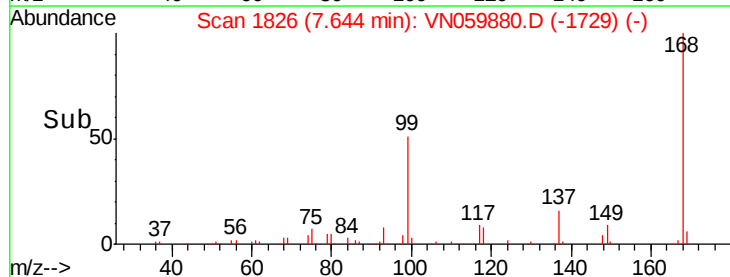
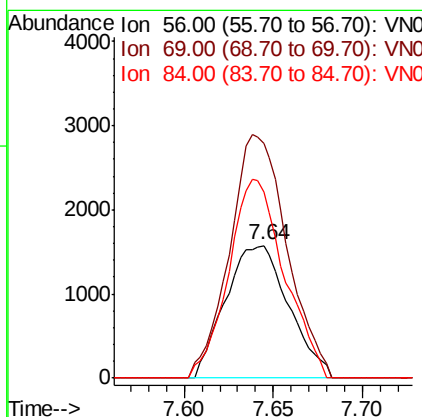
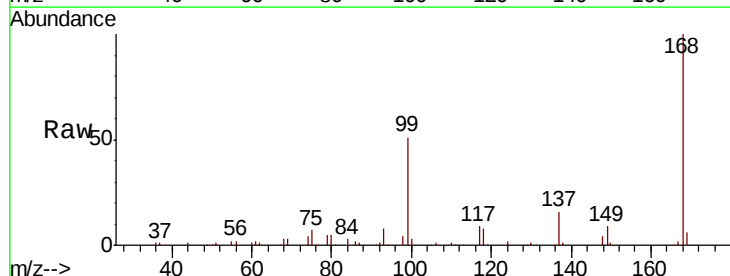
Instrument :
MSVOA_N
ClientSampleId :

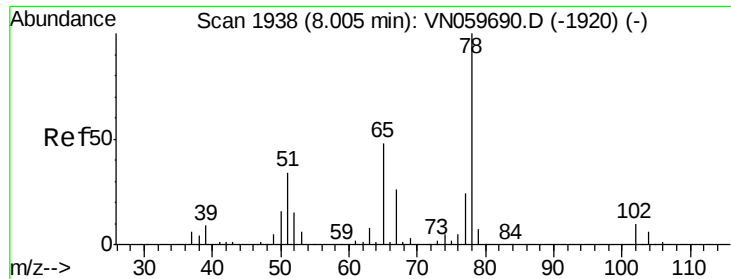
Tot Ion: 43 Resp: 5641
Ion Ratio Lower Upper
43 100
74 14.0 17.5 26.3#



#31
Cyclohexane
Concen: 1.140 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059880.D
Acq: 27 Jan 2020 18:13

Tgt Ion: 56 Resp: 3890
Ion Ratio Lower Upper
56 100
69 176.7 26.5 39.7#
84 140.4 65.3 97.9#

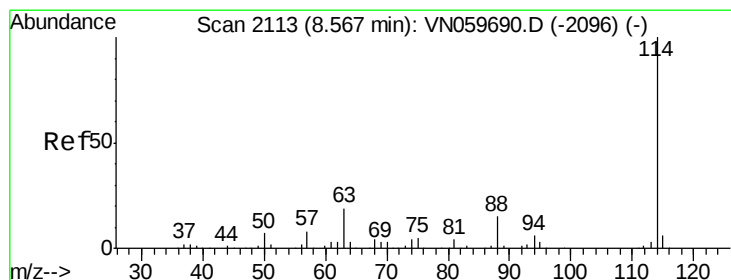
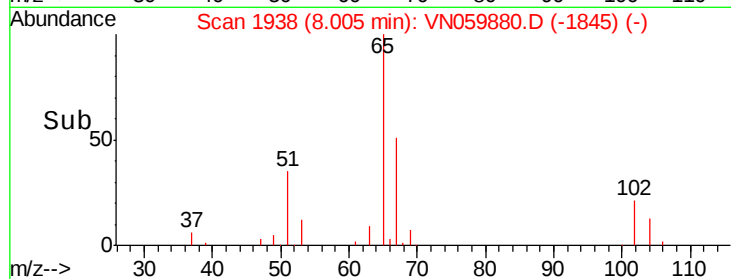
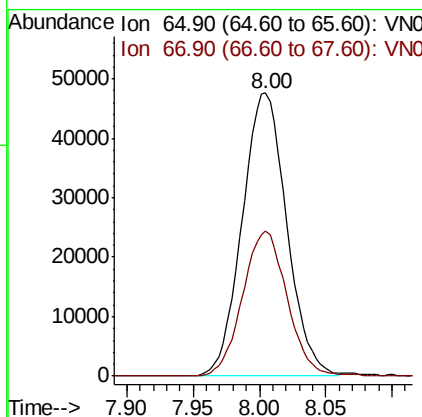
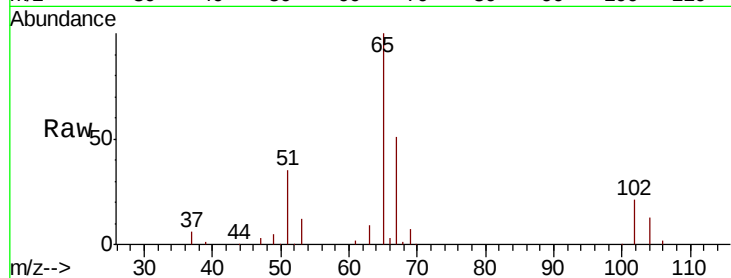




#33
 1,2-Dichloroethane-d4
 Concen: 48.340 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059880.D
 Acq: 27 Jan 2020 18:13

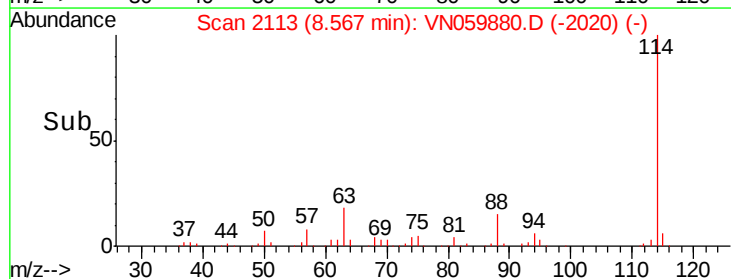
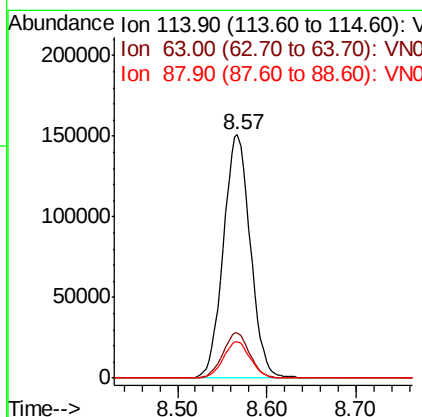
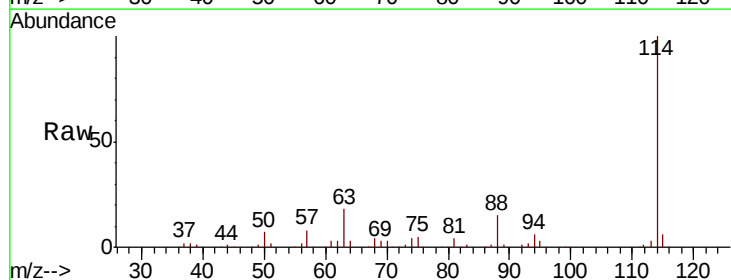
Instrument :
 MSVOA_N
 ClientSampleId :

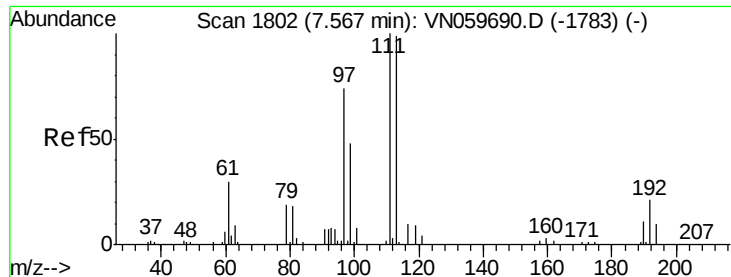
Tot Ion: 65 Resp: 111487
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059880.D
 Acq: 27 Jan 2020 18:13

Tgt Ion: 114 Resp: 315998
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 43.6
 88 14.9 0.0 31.4

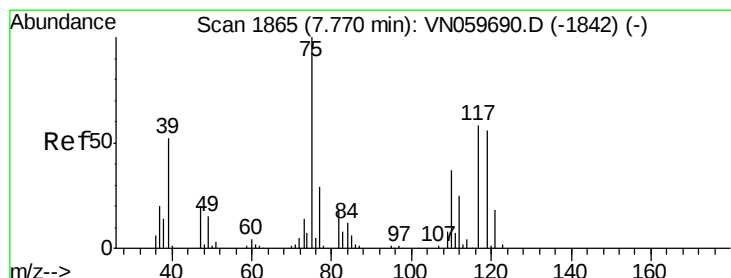
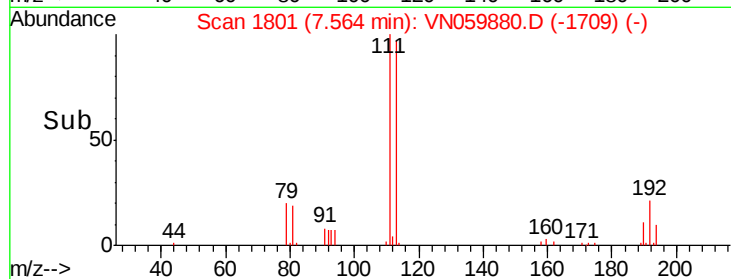
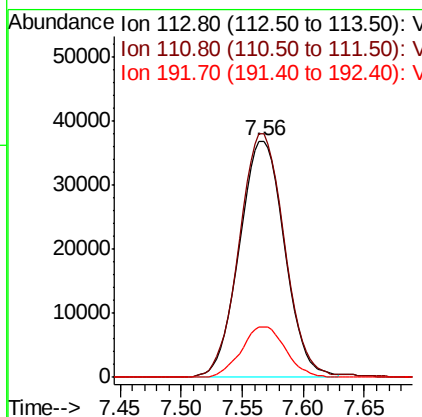
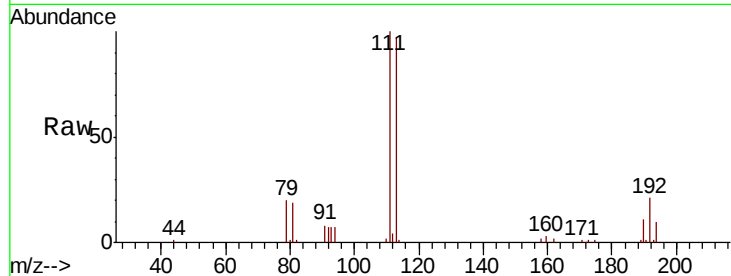




#35
 Dibromofluoromethane
 Concen: 50.148 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059880.D
 Acq: 27 Jan 2020 18:13

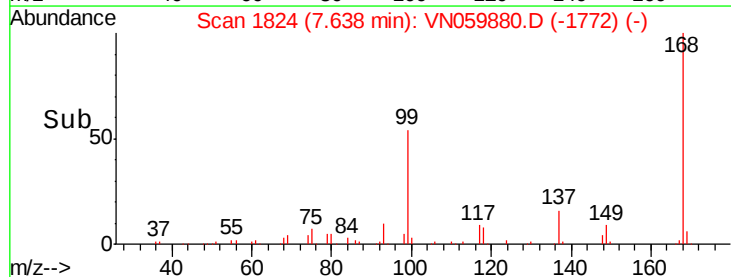
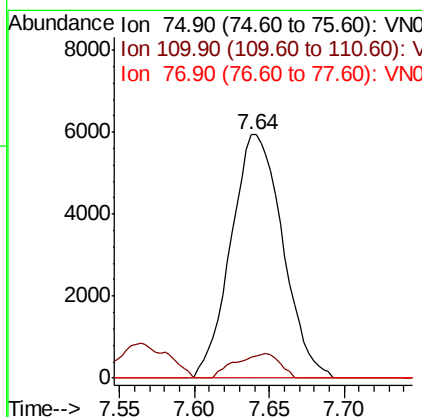
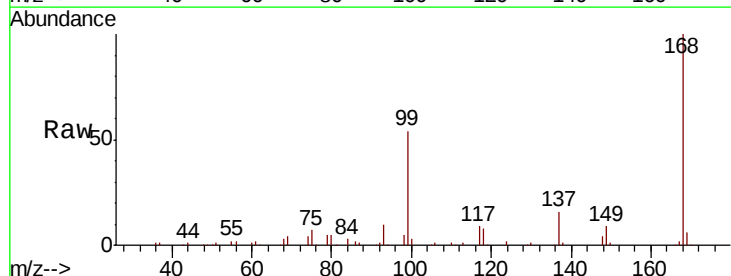
Instrument :
 MSVOA_N
 ClientSampleId :

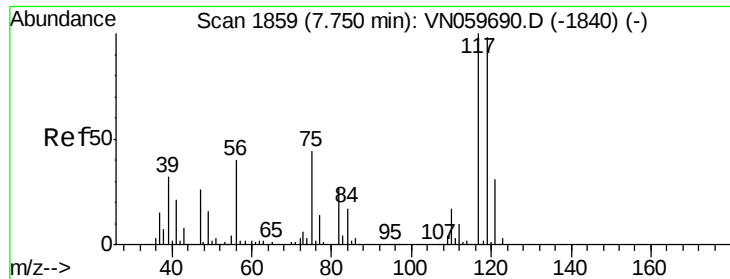
Tot Ion:113 Resp: 94501
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.5 125.3
 192 20.9 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.197 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN059880.D
 Acq: 27 Jan 2020 18:13

Tgt Ion: 75 Resp: 14301
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.6 49.7#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.274 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059880.D

Acq: 27 Jan 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

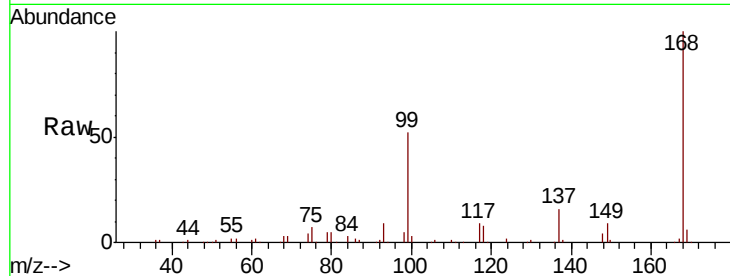
Tot Ion:117 Resp: 18781

Ion Ratio Lower Upper

117 100

119 5.3 76.5 114.7#

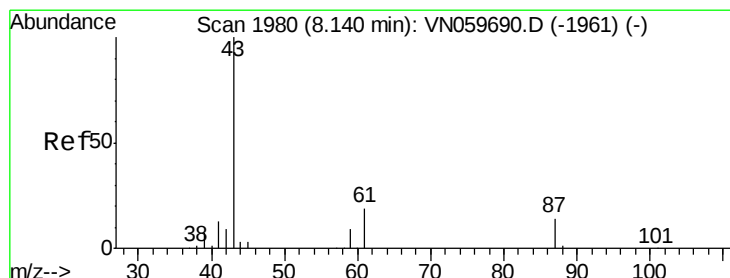
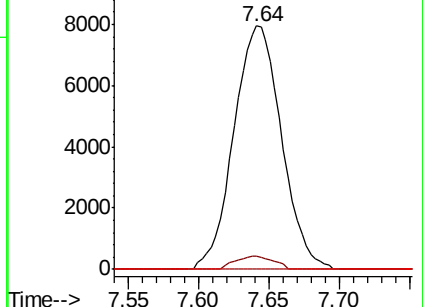
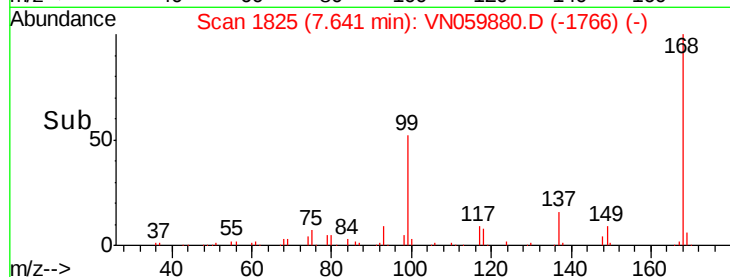
121 0.0 25.1 37.7#



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: 10.601 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059880.D

Acq: 27 Jan 2020 18:13

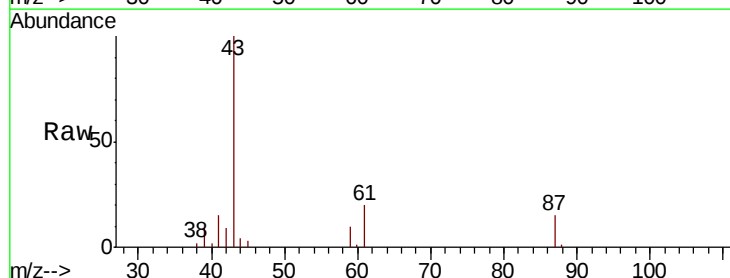
Tgt Ion: 43 Resp: 47063

Ion Ratio Lower Upper

43 100

61 19.7 20.2 30.2#

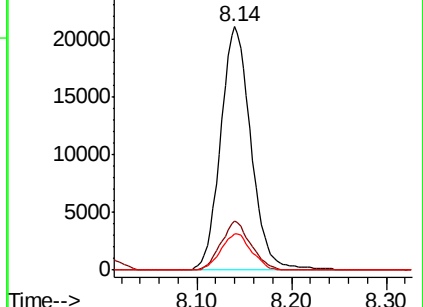
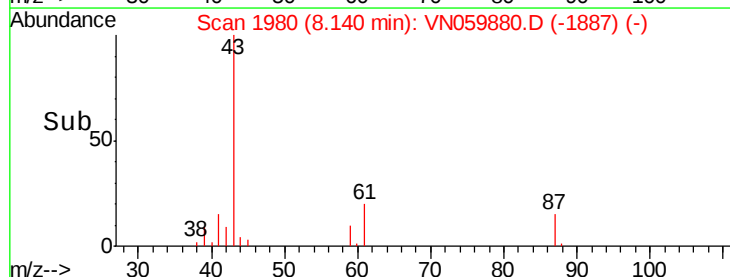
87 14.8 9.5 14.3#

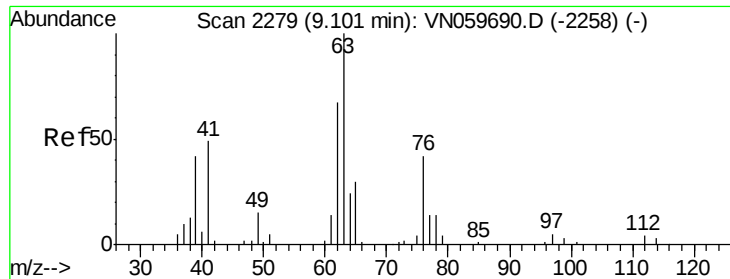


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

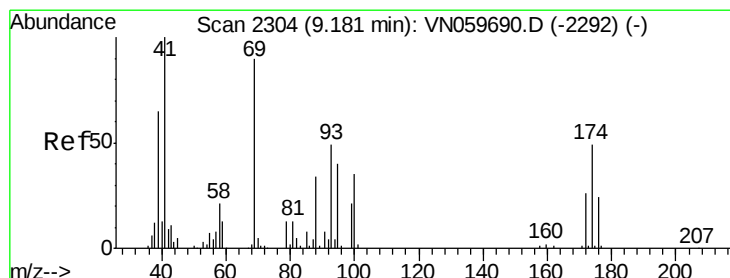
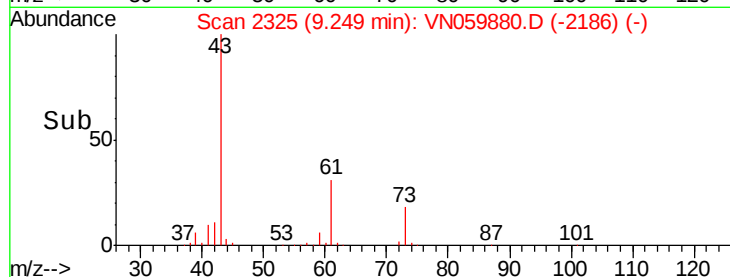
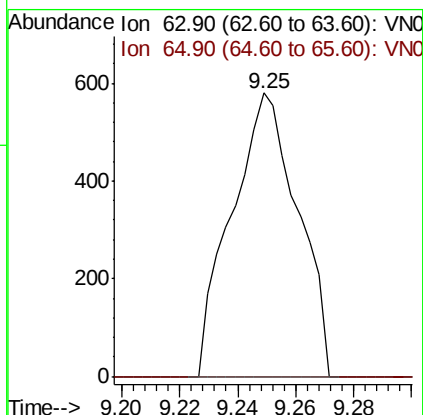
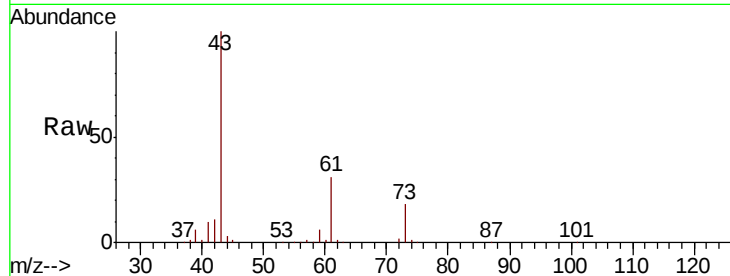




#45
 1,2-Dichloropropane
 Concen: 0.452 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN059880.D
 Acq: 27 Jan 2020 18:13

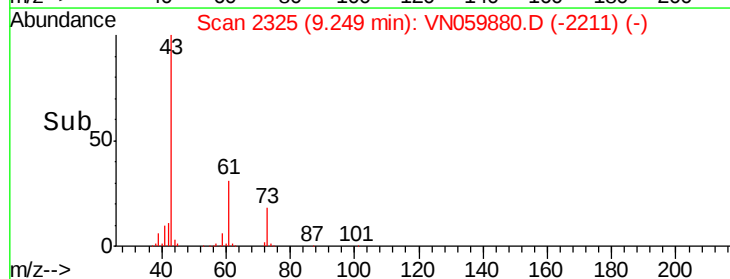
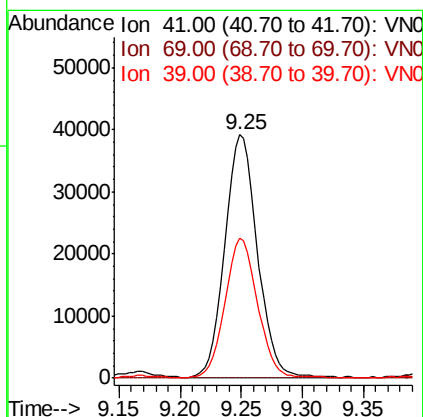
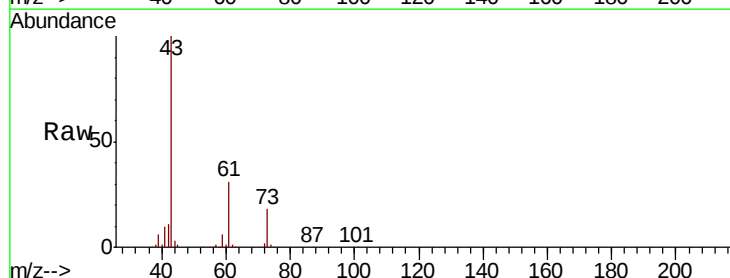
Instrument :
 MSVOA_N
 ClientSampleId :

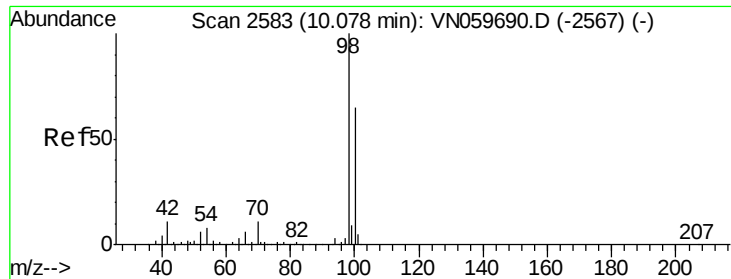
Tot Ion: 63 Resp: 918
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 37.095 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.07 min
 Lab File: VN059880.D
 Acq: 27 Jan 2020 18:13

Tgt Ion: 41 Resp: 73661
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 57.3 51.3 76.9





#50

Toluene-d8

Concen: 50.920 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059880.D

Acq: 27 Jan 2020 18:13

Instrument :

MSVOA_N

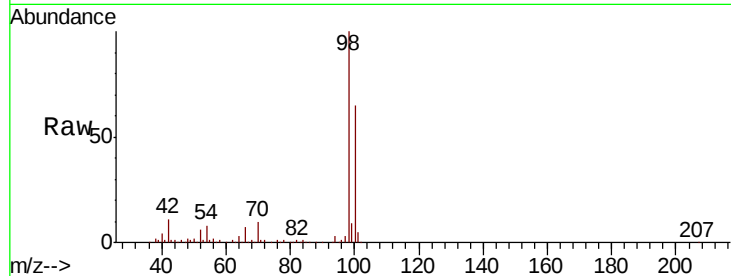
ClientSampled :

Tot Ion: 98 Resp: 371777

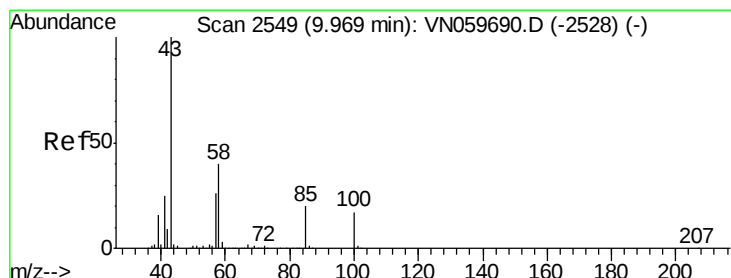
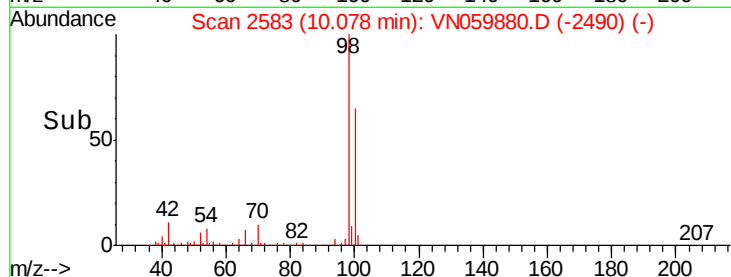
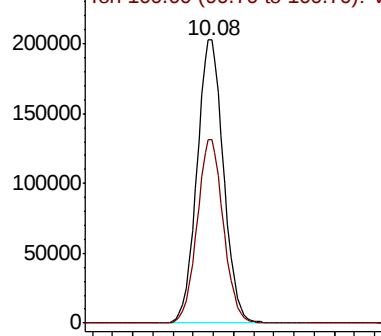
Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



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



#51

4-Methyl-2-Pentanone

Concen: 1.065 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059880.D

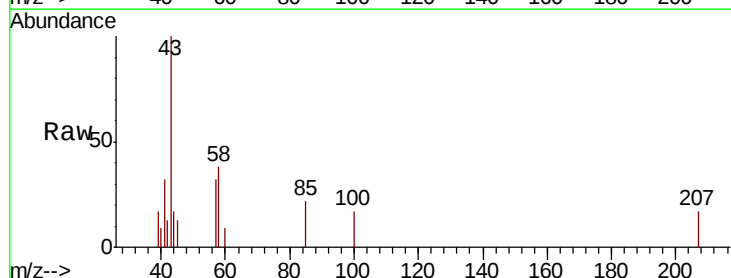
Acq: 27 Jan 2020 18:13

Tgt Ion: 43 Resp: 2733

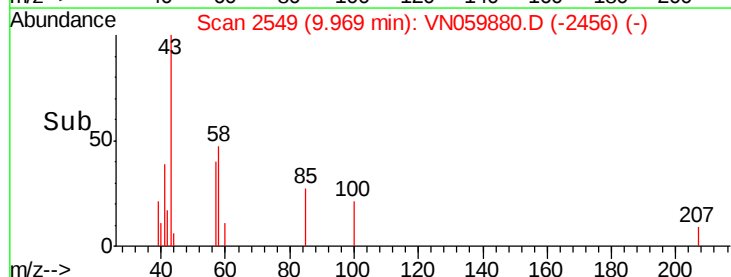
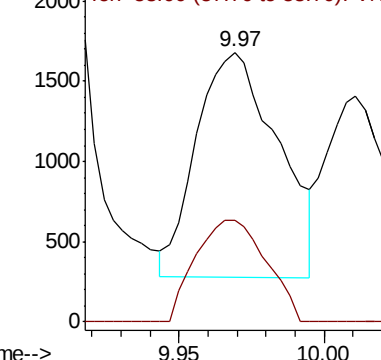
Ion Ratio Lower Upper

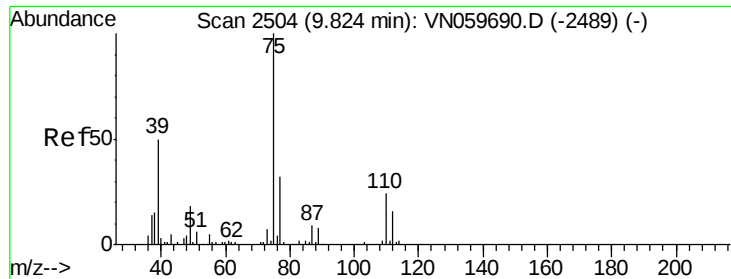
43 100

58 39.3 29.8 44.8



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



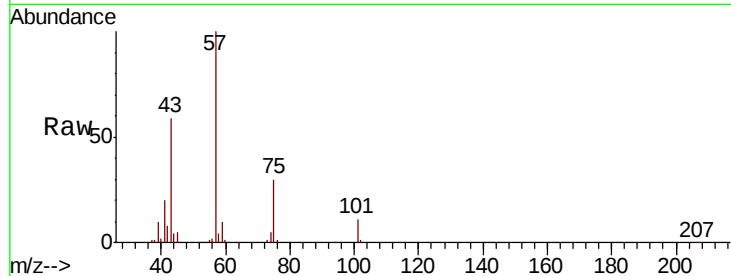


#54

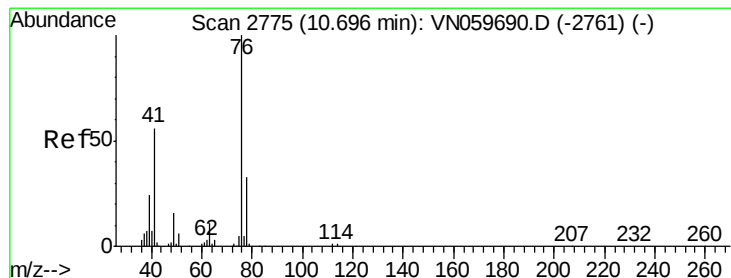
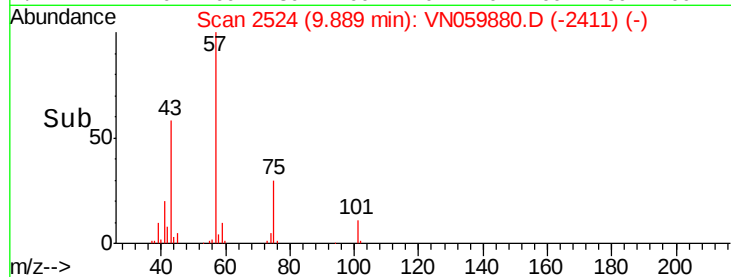
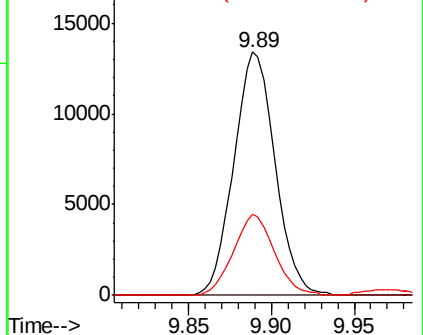
cis-1,3-Dichloropropene
 Concen: 6.843 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN059880.D
 Acq: 27 Jan 2020 18:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 23208
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 33.1 46.1 69.1#



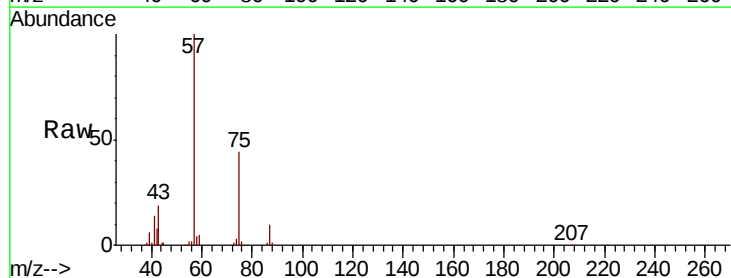
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



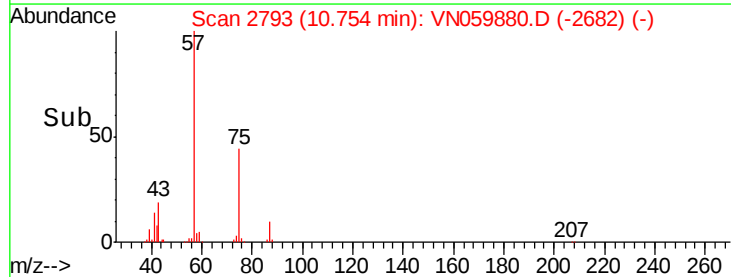
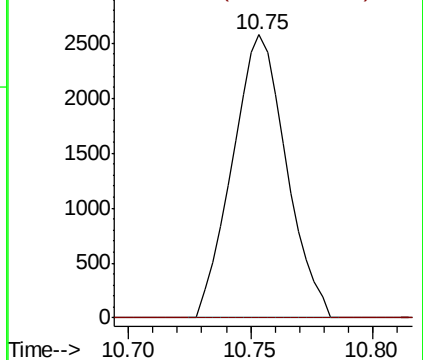
#57

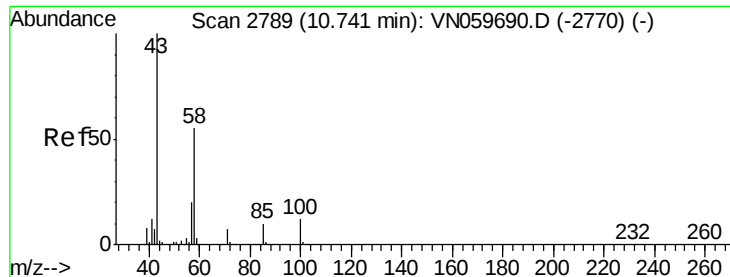
1,3-Dichloropropane
 Concen: 1.210 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059880.D
 Acq: 27 Jan 2020 18:13

Tgt Ion: 76 Resp: 3943
 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

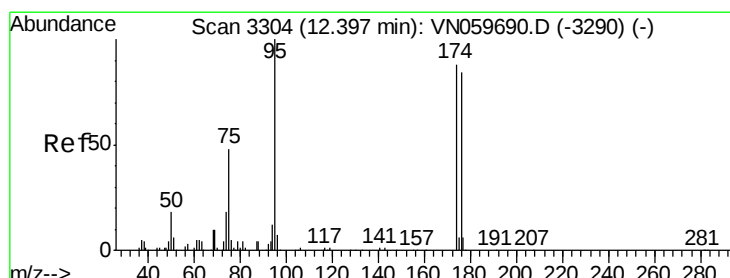
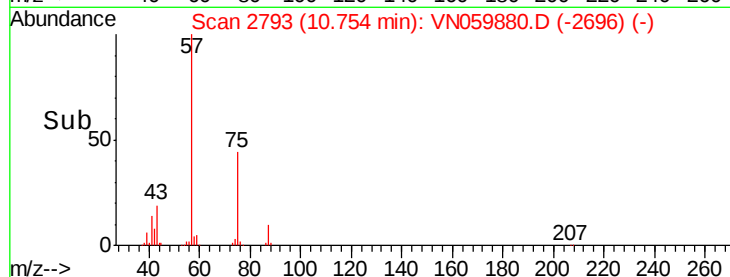
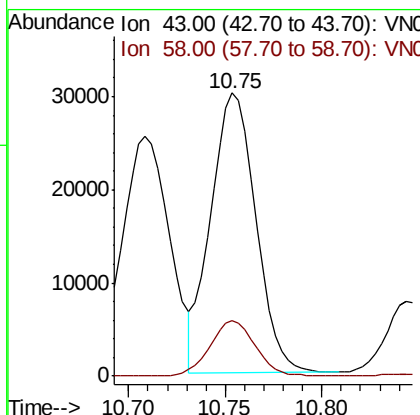
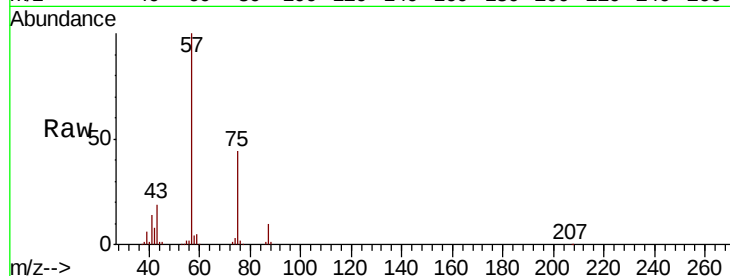




#59
2-Hexanone
Concen: 25.801 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059880.D
Acq: 27 Jan 2020 18:13

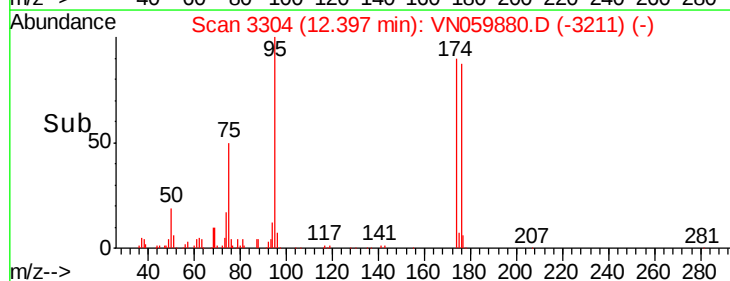
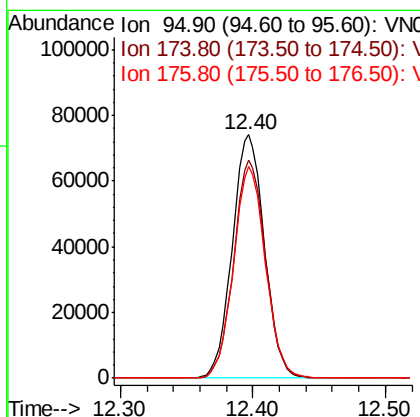
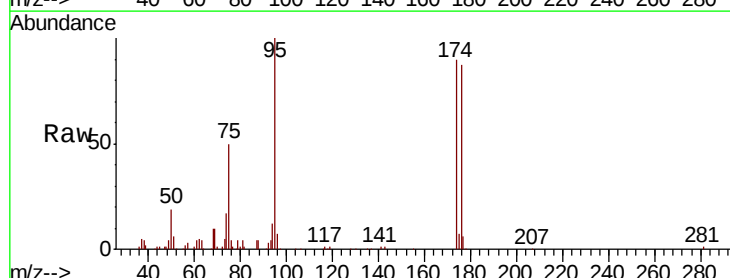
Instrument :
MSVOA_N
ClientSampleId :

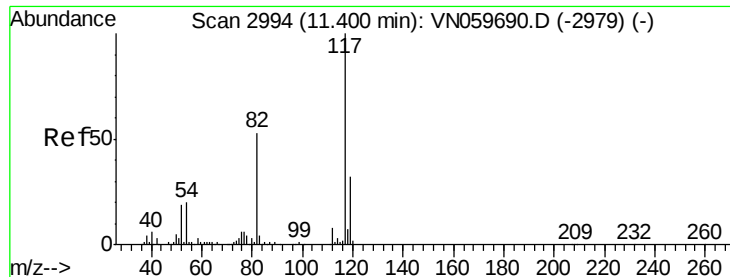
Tot Ion: 43 Resp: 48778
Ion Ratio Lower Upper
43 100
58 19.8 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 47.286 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059880.D
Acq: 27 Jan 2020 18:13

Tgt Ion: 95 Resp: 124460
Ion Ratio Lower Upper
95 100
174 89.1 0.0 151.4
176 86.3 0.0 146.0

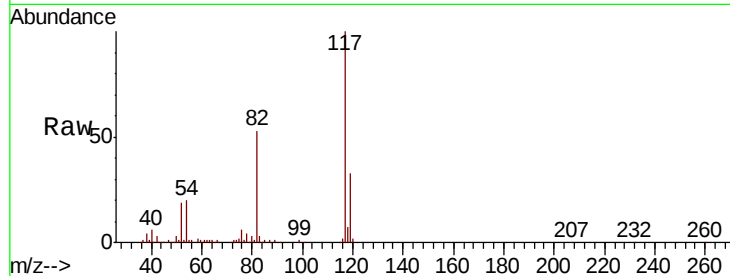




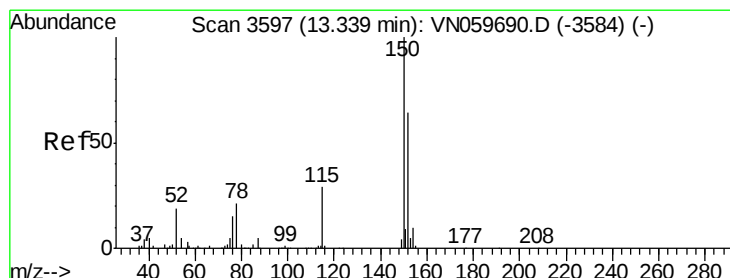
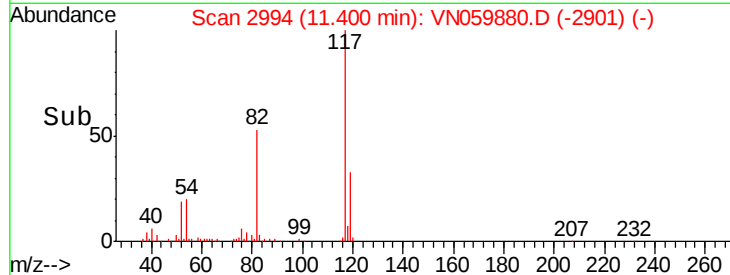
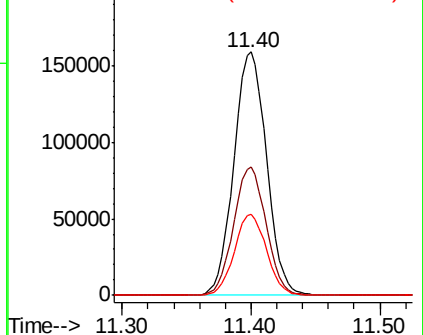
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059880.D
Acq: 27 Jan 2020 18:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 280510
Ion Ratio Lower Upper
117 100
82 52.6 45.9 68.9
119 33.1 25.5 38.3

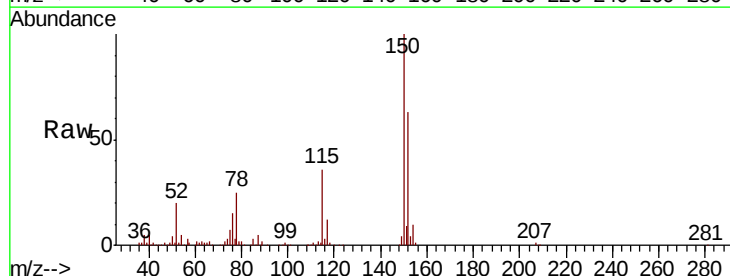


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

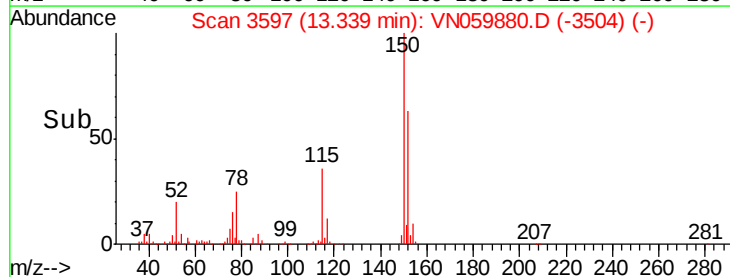
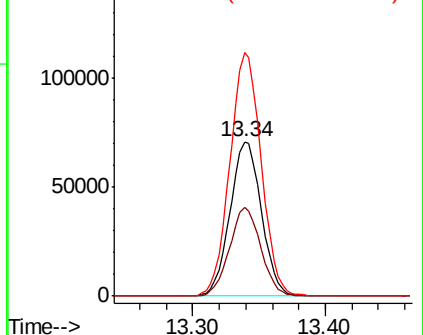


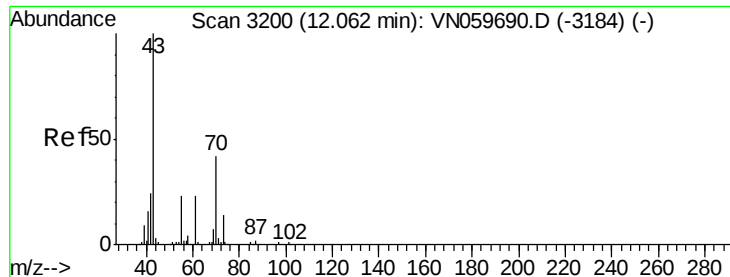
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059880.D
Acq: 27 Jan 2020 18:13

Tgt Ion:152 Resp: 116581
Ion Ratio Lower Upper
152 100
115 57.3 30.3 90.9
150 157.3 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





#74

N-amvl acetate

Concen: 0.349 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059880.D

Acq: 27 Jan 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1159

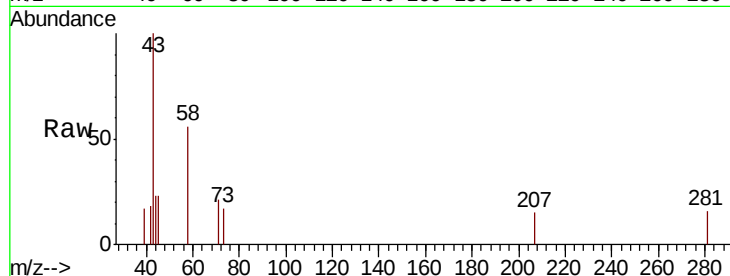
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

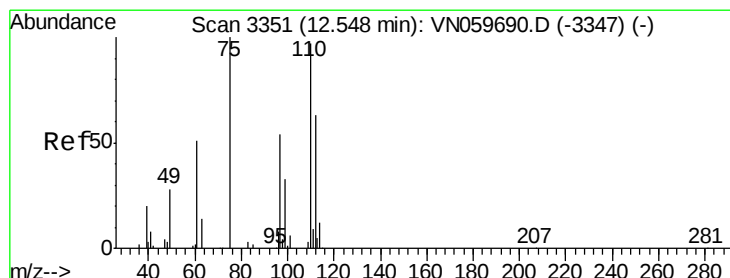
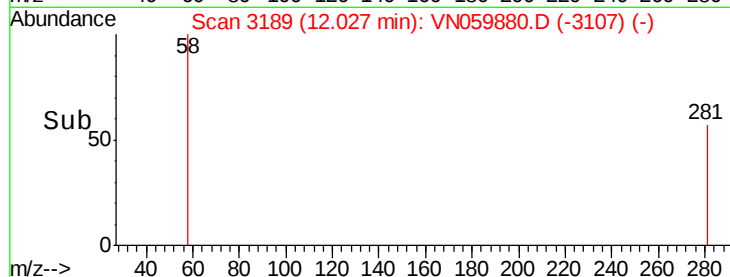
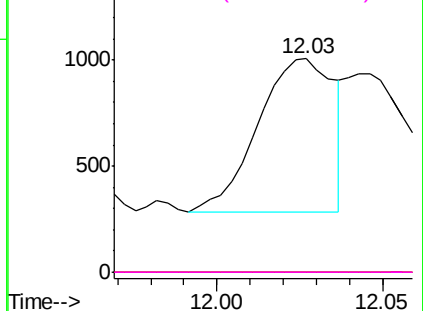


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 31.690 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059880.D

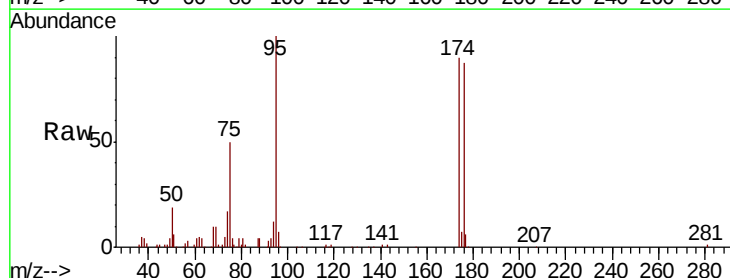
Acq: 27 Jan 2020 18:13

Tgt Ion: 75 Resp: 62173

Ion Ratio Lower Upper

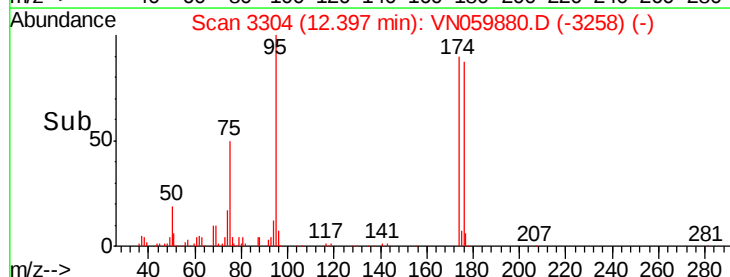
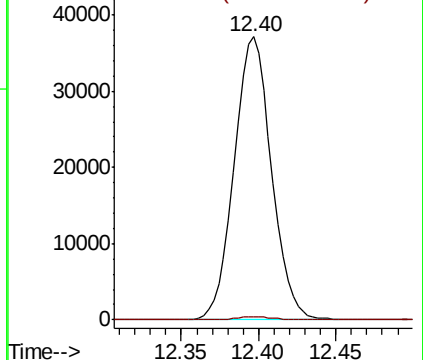
75 100

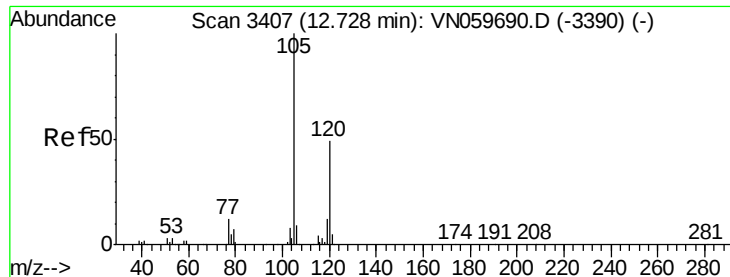
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

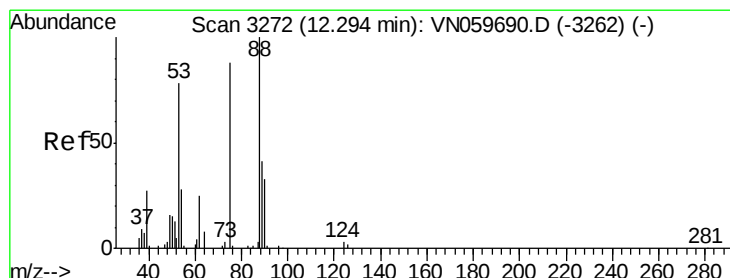
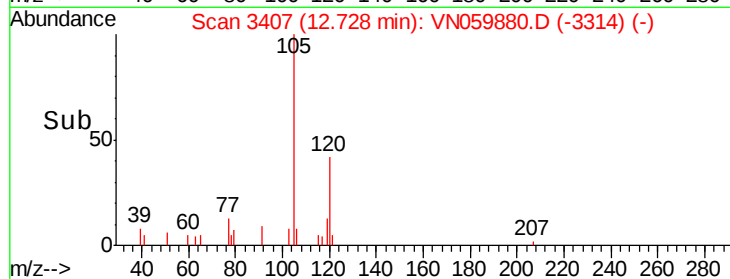
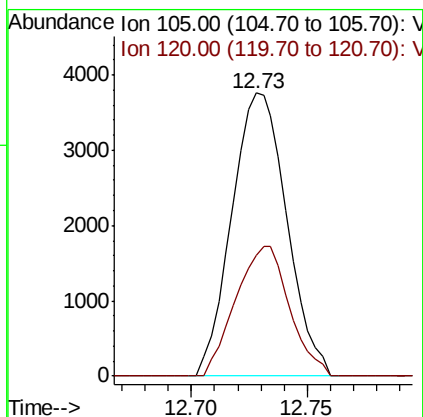
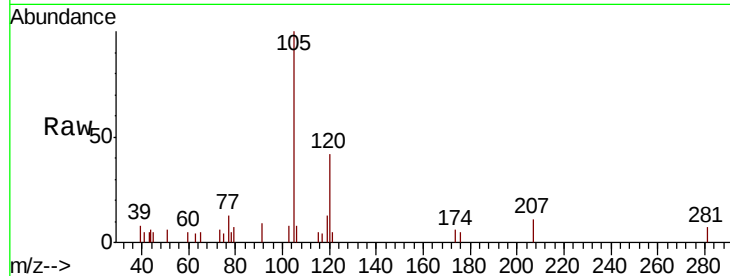




#80
 1,3,5-Trimethylbenzene
 Concen: 0.861 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN059880.D
 Acq: 27 Jan 2020 18:13

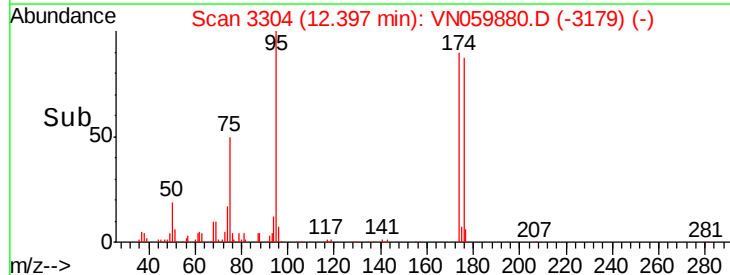
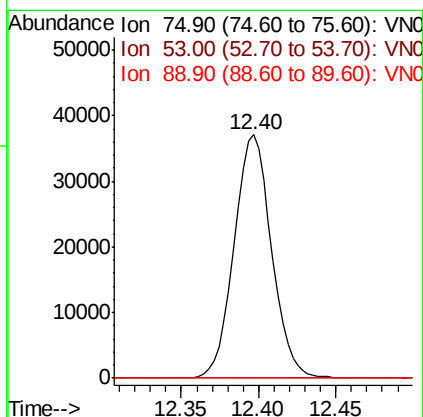
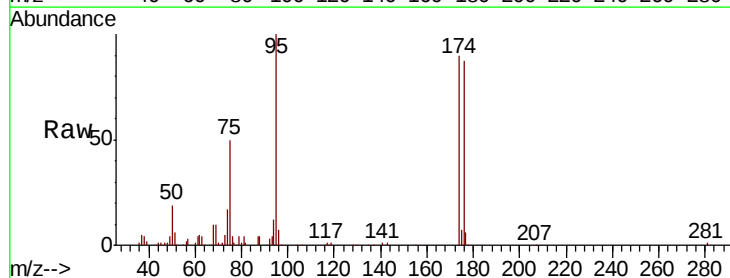
Instrument :
 MSVOA_N
 ClientSampleId :

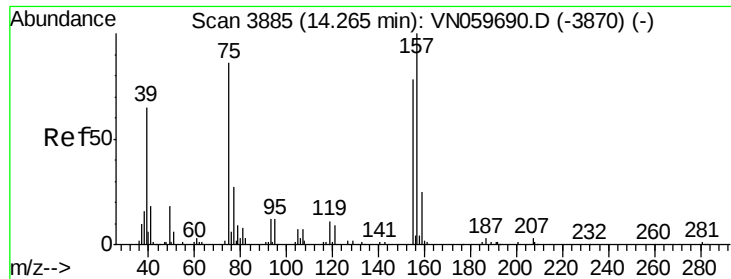
Tot Ion: 105 Resp: 6188
 Ion Ratio Lower Upper
 105 100
 120 44.9 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.053 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN059880.D
 Acq: 27 Jan 2020 18:13

Tgt Ion: 75 Resp: 62173
 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: 14.26 min Scan# 3883

Delta R.T. -0.01 min

Lab File: VN059880.D

Acq: 27 Jan 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

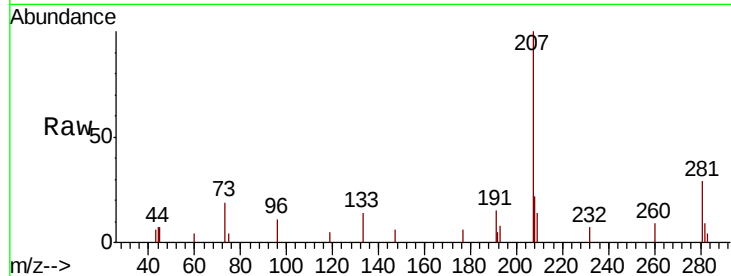
Tot Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

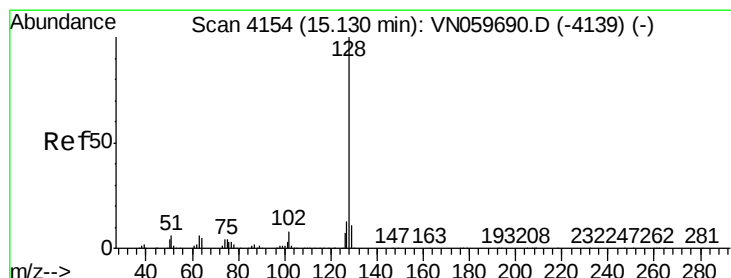
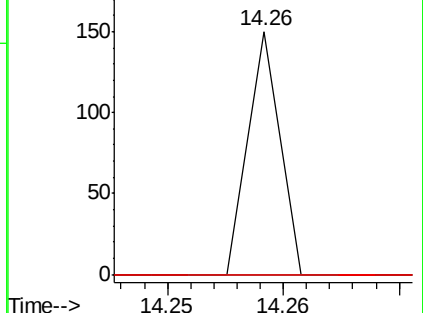
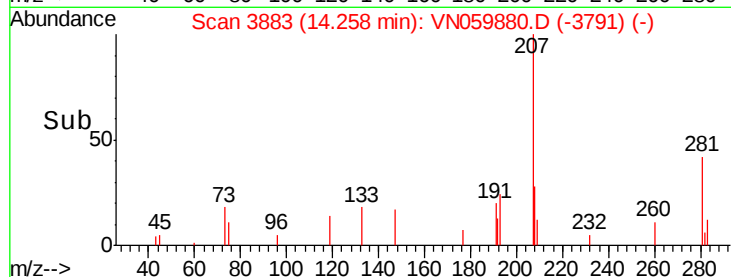
157 0.0 48.4 145.2#



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



#95

Naphthalene

Concen: 0.202 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN059880.D

Acq: 27 Jan 2020 18:13

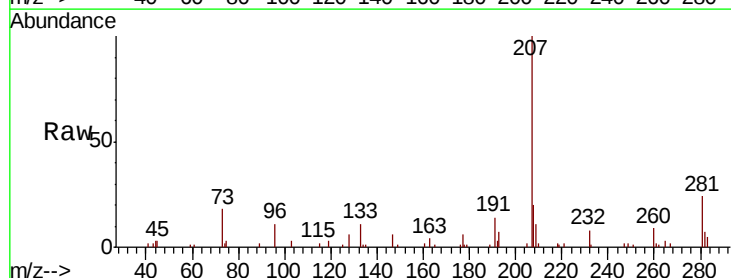
Tgt Ion: 128 Resp: 1286

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): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

