

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012720\
 Data File : VN059881.D
 Acq On : 27 Jan 2020 18:36
 Operator : JC/MD
 Sample : PB126348ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 27 23:12:23 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	205981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	313180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	282360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	118988	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	110706	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	7.56	113	93435	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	10.08	98	370216	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.40	95	126042	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	

Target Compounds

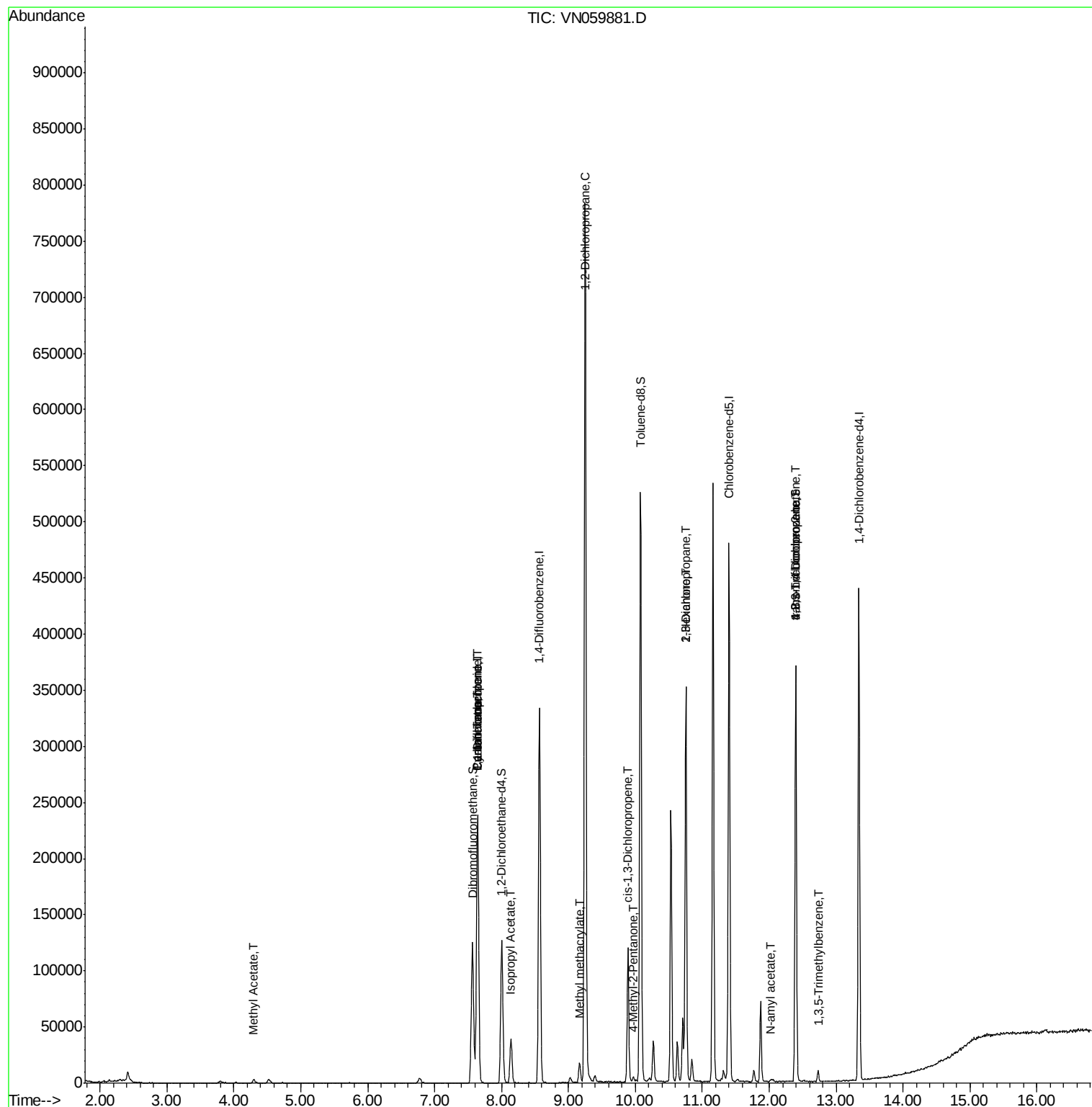
					Qvalue
16) Acetone	3.79	43	3425	Below Cal	# 87
18) Methyl Acetate	4.30	43	5347	2.001	ug/l 100
20) Methylene Chloride	4.52	84	2659	Below Cal	# 84
31) Cyclohexane	7.64	56	3751	1.108	ug/l # 1
36) 1,1-Dichloropropene	7.64	75	13911	5.101	ug/l # 51
38) Carbon Tetrachloride	7.64	117	18959	6.391	ug/l # 16
43) Isopropyl Acetate	8.14	43	45973	10.449	ug/l # 92
45) 1,2-Dichloropropane	9.25	63	951	0.472	ug/l # 44
48) Methyl methacrylate	9.17	41	2332	1.185	ug/l # 13
51) 4-Methyl-2-Pentanone	9.97	43	2898	1.139	ug/l 96
54) cis-1,3-Dichloropropene	9.89	75	22581	6.718	ug/l # 55
57) 1,3-Dichloropropane	10.75	76	3786	1.172	ug/l # 42
59) 2-Hexanone	10.75	43	48956	26.128	ug/l # 55
74) N-amyl acetate	12.03	43	1839	0.543	ug/l # 45
76) 1,2,3-Trichloropropane	12.40	75	63091	31.507	ug/l # 100
80) 1,3,5-Trimethylbenzene	12.73	105	5406	0.737	ug/l 96
81) trans-1,4-Dichloro-2-buten	12.40	75	63091	67.661	ug/l # 11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	95	Below Cal	# 6

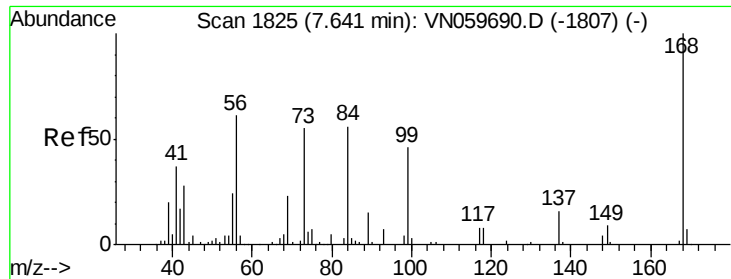
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059881.D

Acq: 27 Jan 2020 18:36

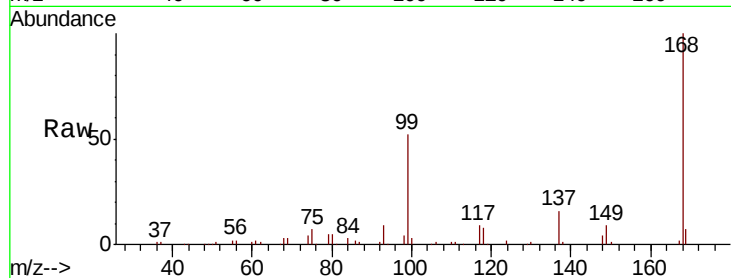
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 205981

Ion Ratio Lower Upper

168 100

99 52.1 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

80000

60000

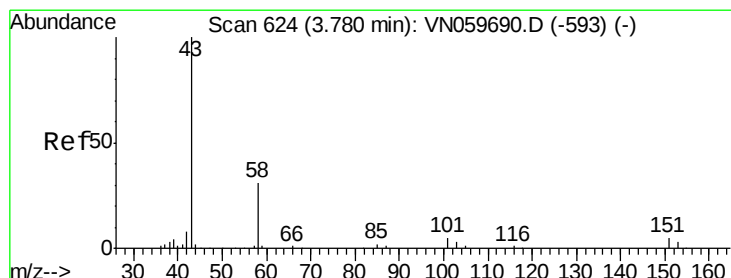
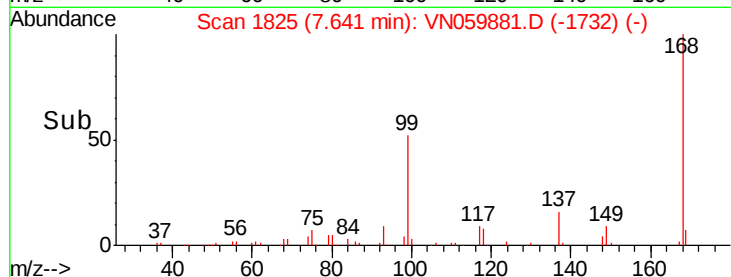
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059881.D

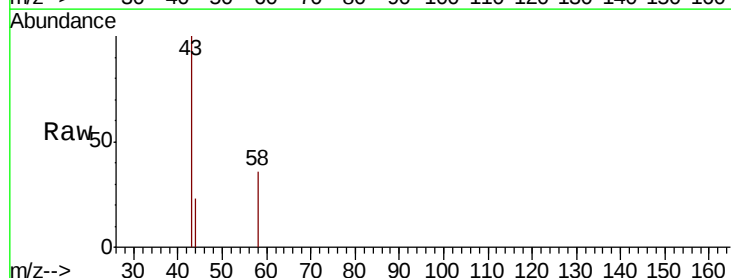
Acq: 27 Jan 2020 18:36

Tgt Ion: 43 Resp: 3425

Ion Ratio Lower Upper

43 100

58 36.4 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

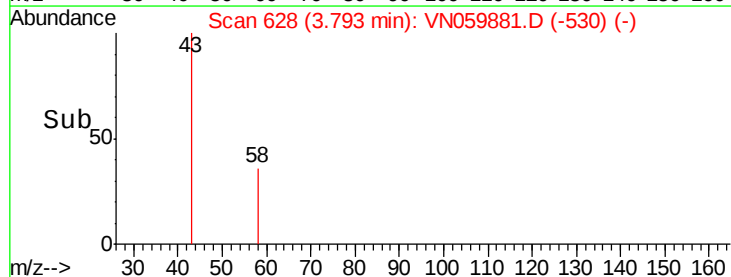
1000

500

0

3.75 3.80 3.85

Time-->

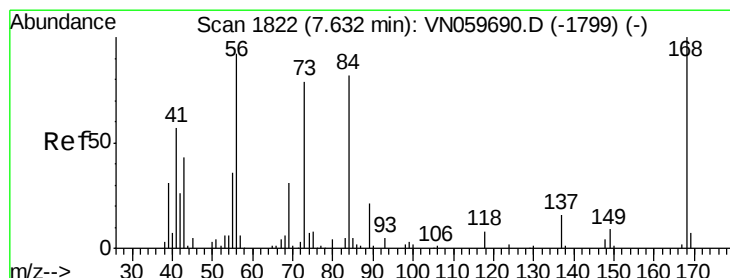
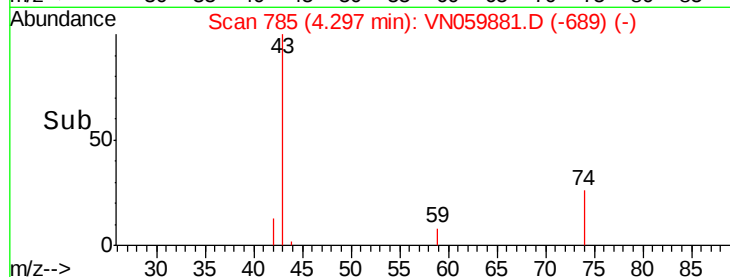
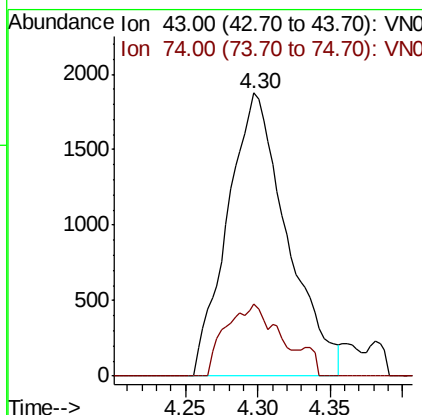
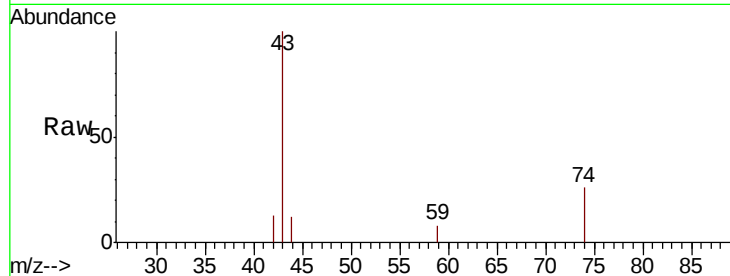




#18
Methvl Acetate
Concen: 2.001 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN059881.D
Acq: 27 Jan 2020 18:36

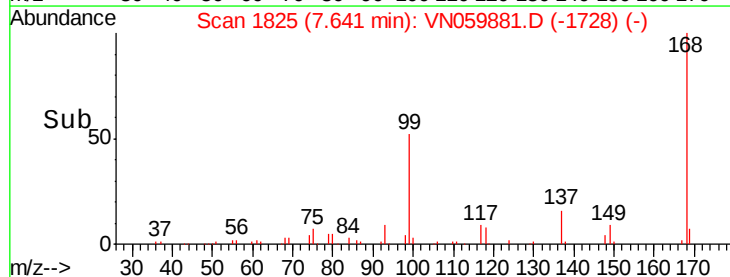
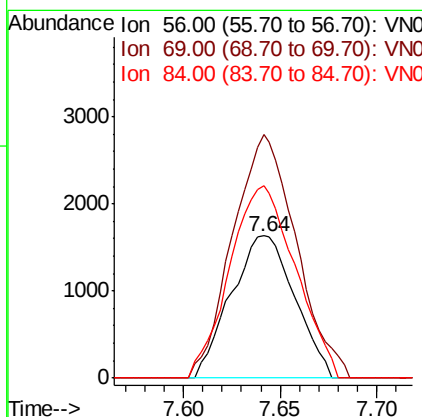
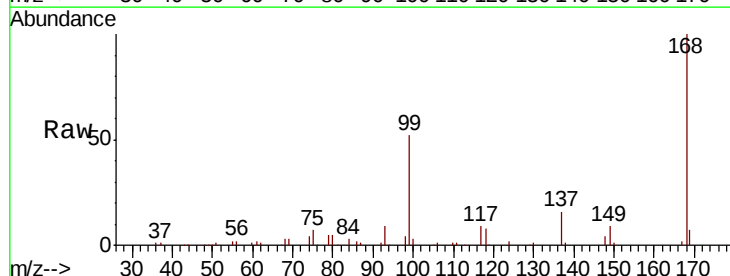
Instrument :
MSVOA_N
ClientSampleId :

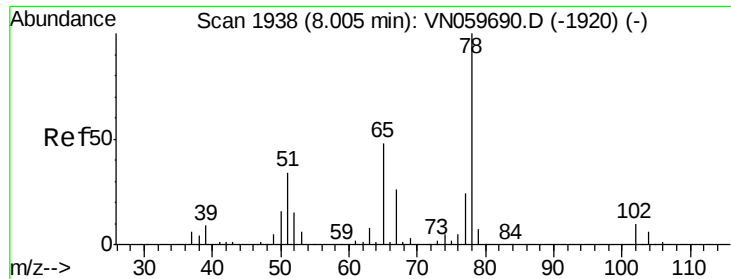
Tot Ion: 43 Resp: 5347
Ion Ratio Lower Upper
43 100
74 22.1 17.5 26.3



#31
Cyclohexane
Concen: 1.108 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059881.D
Acq: 27 Jan 2020 18:36

Tgt Ion: 56 Resp: 3751
Ion Ratio Lower Upper
56 100
69 171.0 26.5 39.7#
84 134.9 65.3 97.9#

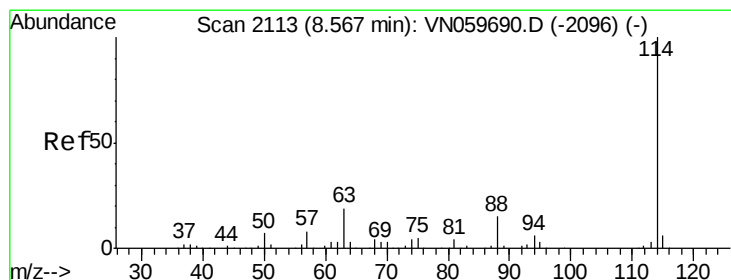
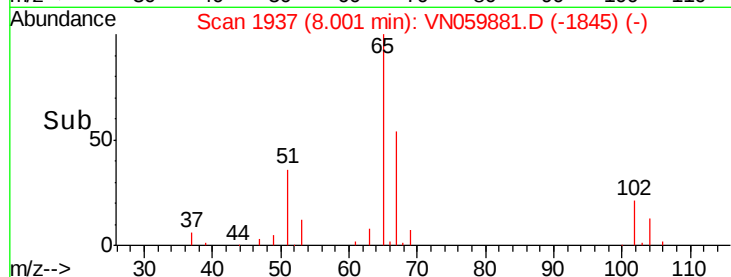
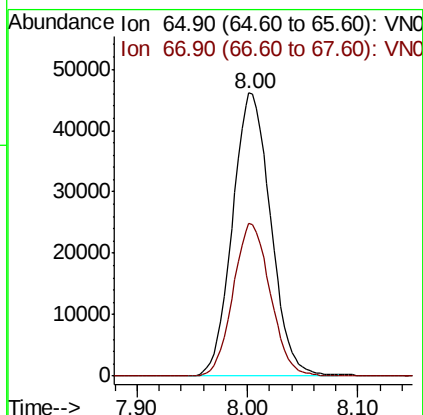
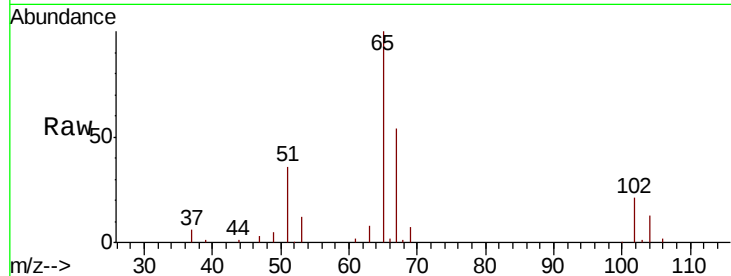




#33
 1,2-Dichloroethane-d4
 Concen: 48.397 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059881.D
 Acq: 27 Jan 2020 18:36

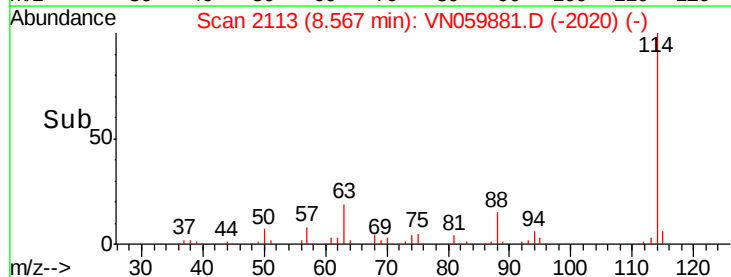
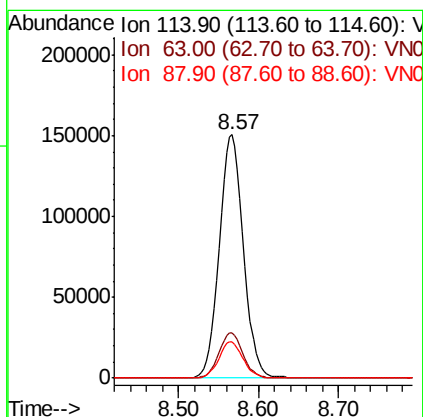
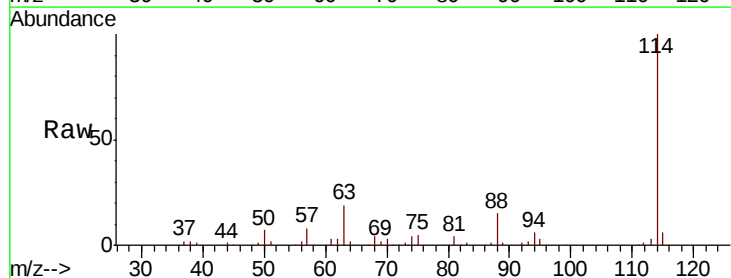
Instrument :
 MSVOA_N
 ClientSampleId :

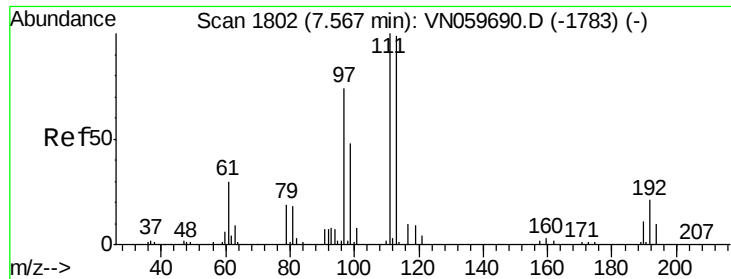
Tot Ion: 65 Resp: 110706
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059881.D
 Acq: 27 Jan 2020 18:36

Tgt Ion: 114 Resp: 313180
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 43.6
 88 14.9 0.0 31.4

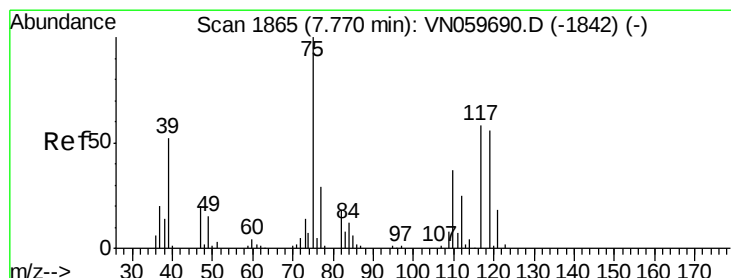
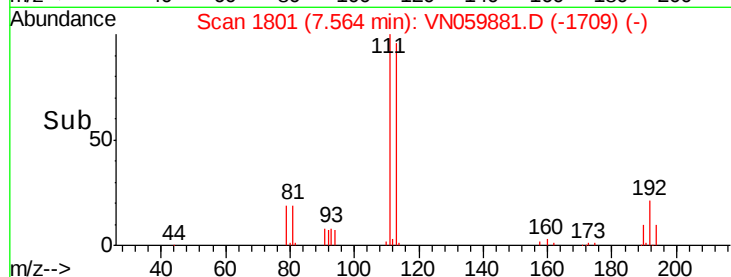
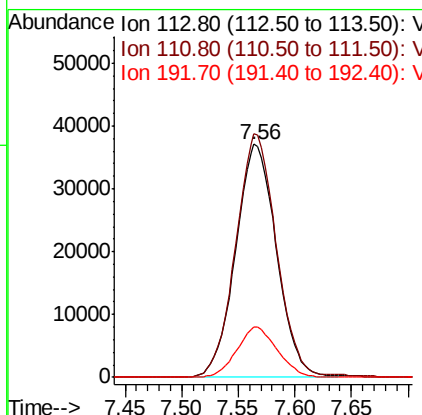
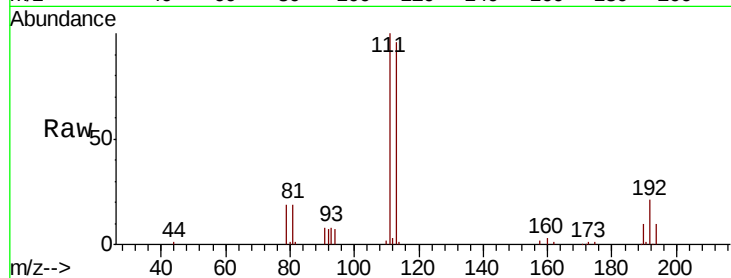




#35
 Dibromofluoromethane
 Concen: 50.029 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059881.D
 Acq: 27 Jan 2020 18:36

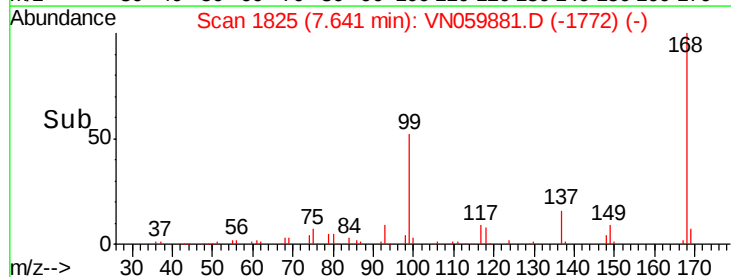
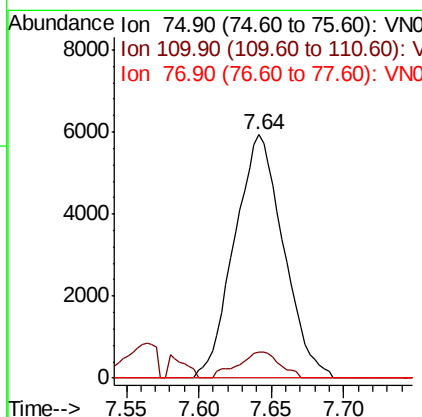
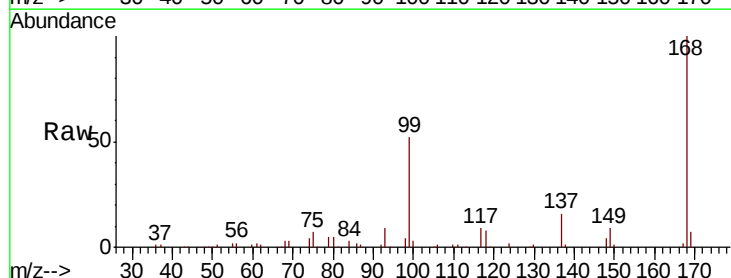
Instrument :
 MSVOA_N
 ClientSampled :

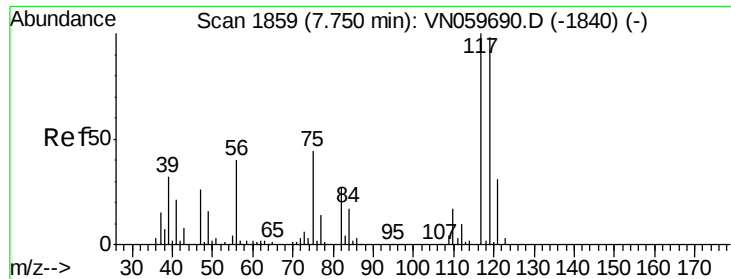
Tot Ion:113 Resp: 93435
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.5 125.3
 192 21.2 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.101 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059881.D
 Acq: 27 Jan 2020 18:36

Tgt Ion: 75 Resp: 13911
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.6 49.7#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.391 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059881.D

Acq: 27 Jan 2020 18:36

Instrument :

MSVOA_N

ClientSampleId :

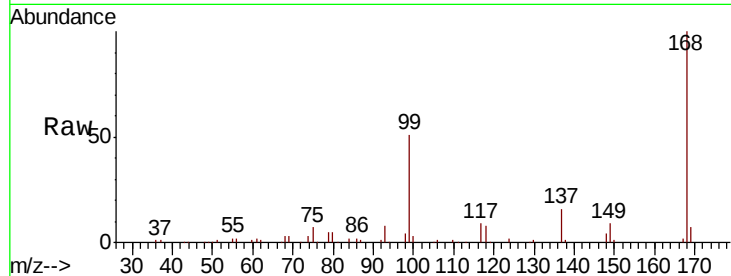
Tot Ion:117 Resp: 18959

Ion Ratio Lower Upper

117 100

119 4.5 76.5 114.7#

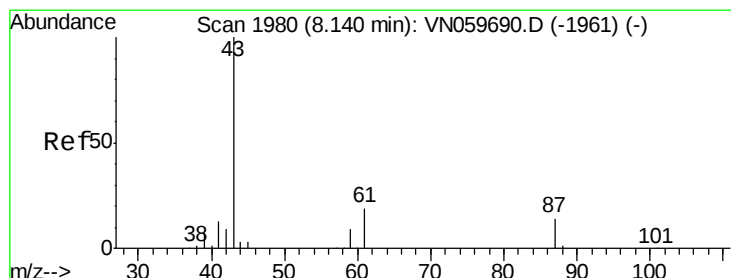
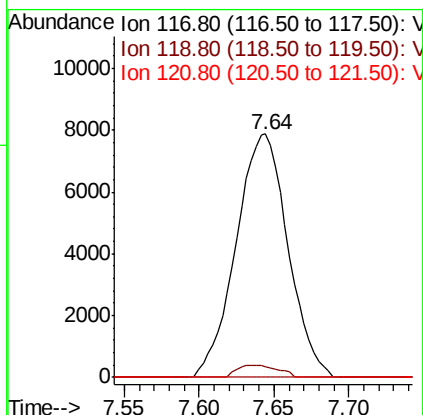
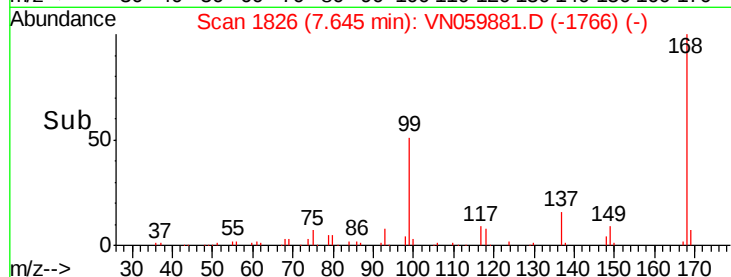
121 0.0 25.1 37.7#



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: 10.449 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059881.D

Acq: 27 Jan 2020 18:36

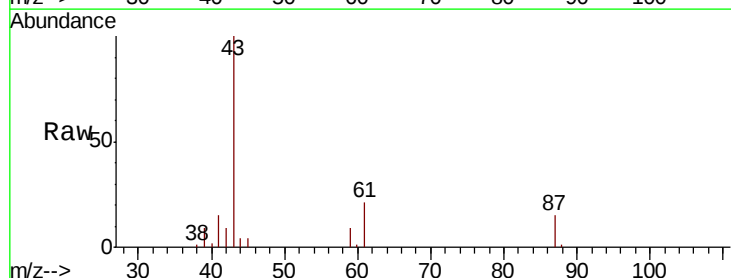
Tgt Ion: 43 Resp: 45973

Ion Ratio Lower Upper

43 100

61 20.6 20.2 30.2

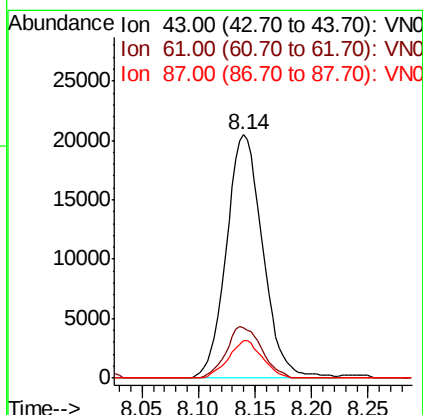
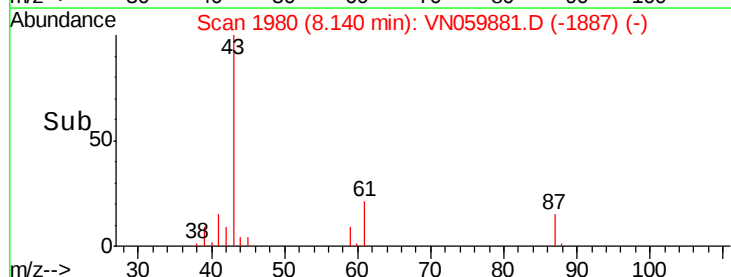
87 14.4 9.5 14.3#

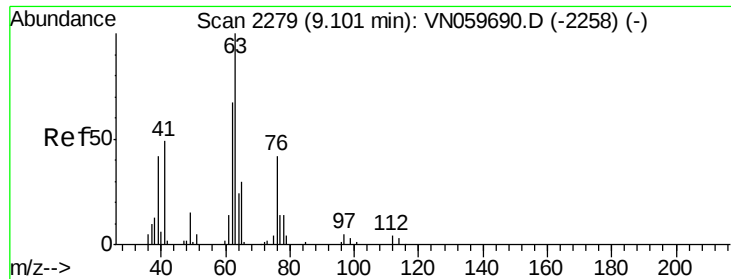


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

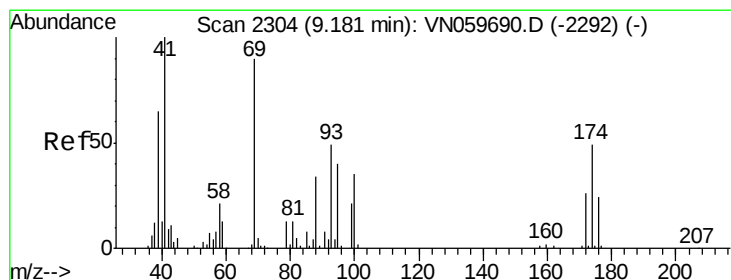
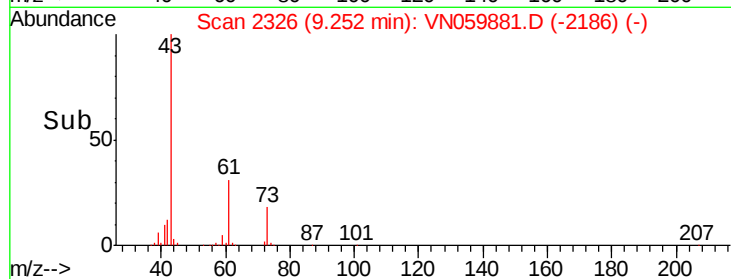
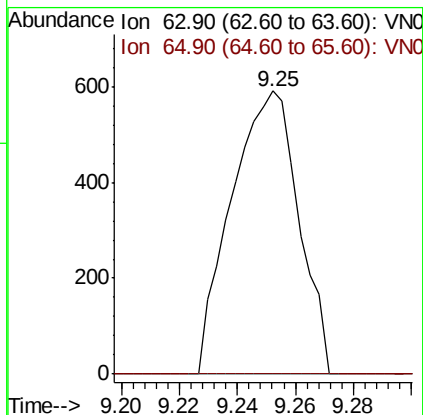
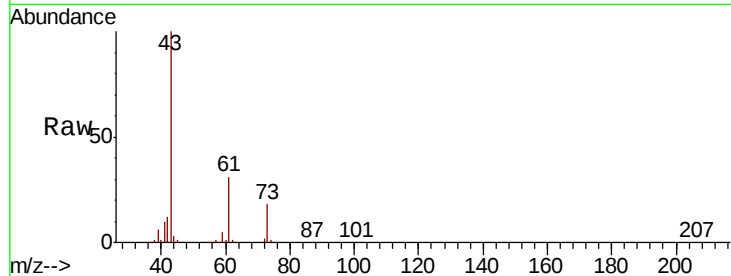




#45
 1,2-Dichloropropane
 Concen: 0.472 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN059881.D
 Acq: 27 Jan 2020 18:36

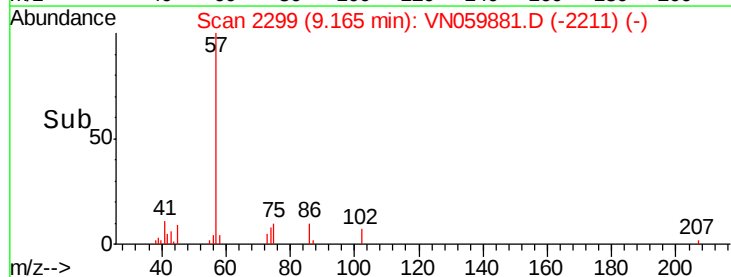
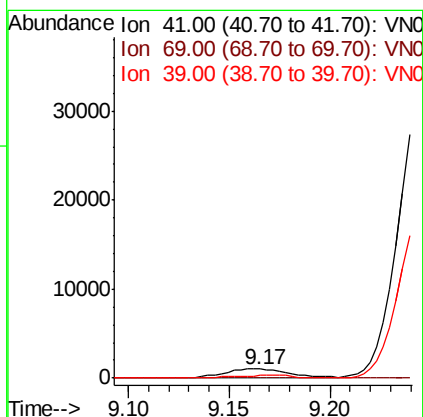
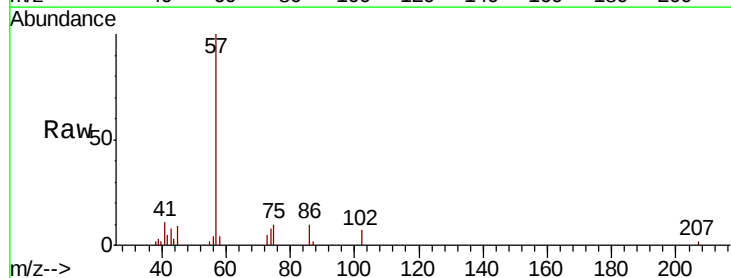
Instrument :
 MSVOA_N
 ClientSampled :

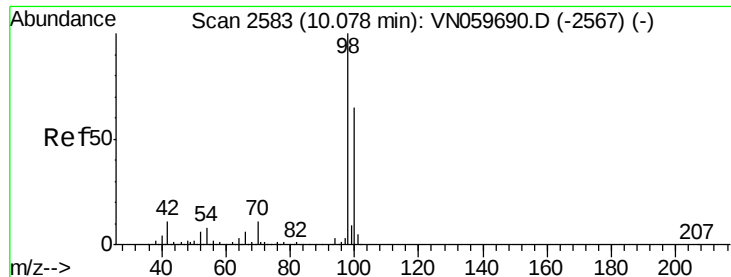
Tot Ion: 63 Resp: 951
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.185 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: VN059881.D
 Acq: 27 Jan 2020 18:36

Tgt Ion: 41 Resp: 2332
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#





#50

Toluene-d8

Concen: 51.162 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059881.D

Acq: 27 Jan 2020 18:36

Instrument :

MSVOA_N

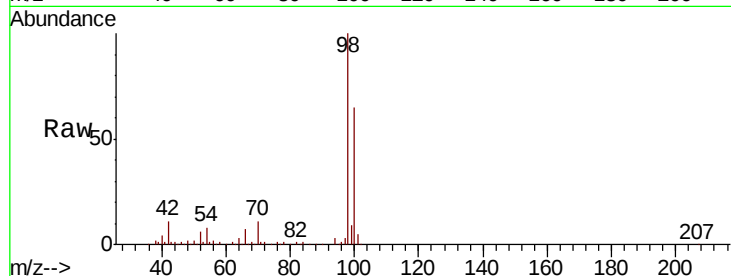
ClientSampled :

Tot Ion: 98 Resp: 370216

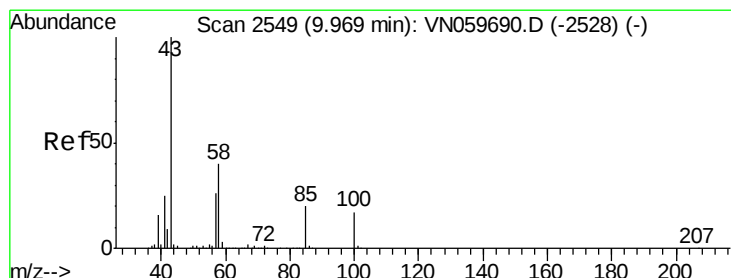
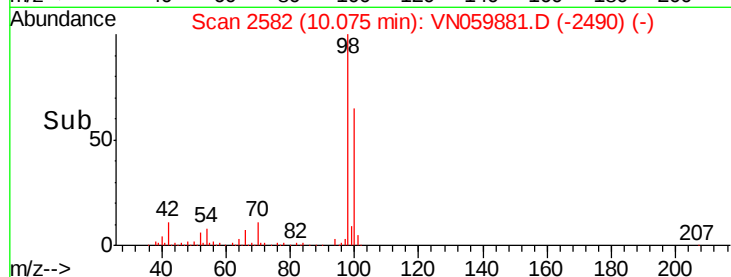
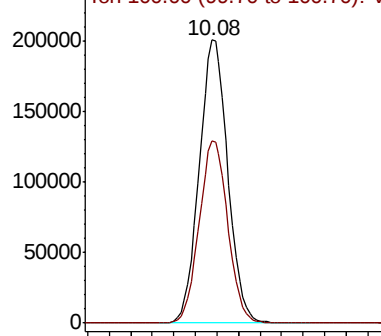
Ion Ratio Lower Upper

98 100

100 64.7 51.2 76.8



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



#51

4-Methyl-2-Pentanone

Concen: 1.139 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059881.D

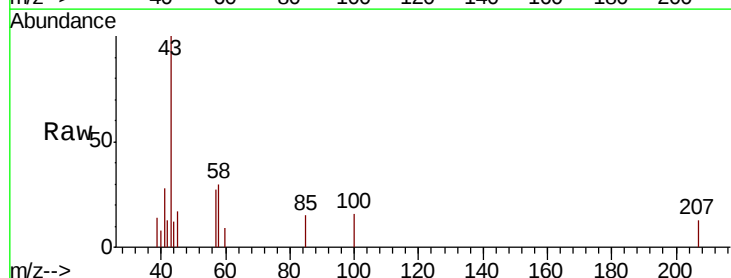
Acq: 27 Jan 2020 18:36

Tgt Ion: 43 Resp: 2898

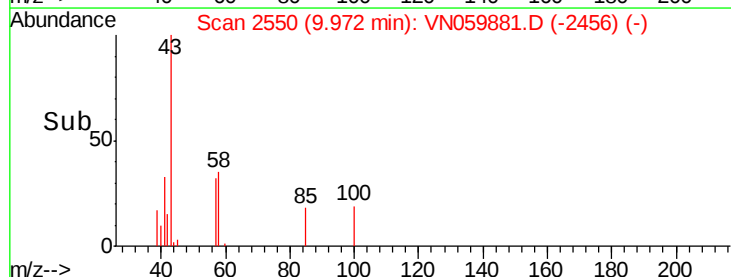
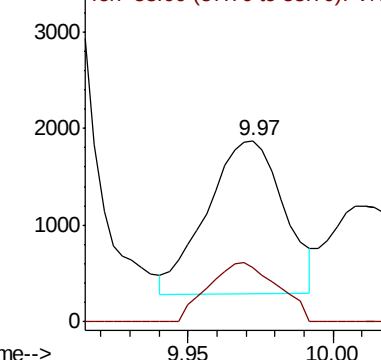
Ion Ratio Lower Upper

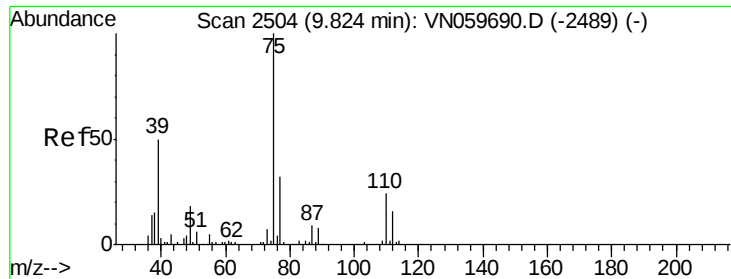
43 100

58 35.1 29.8 44.8



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





#54

cis-1,3-Dichloropropene

Concen: 6.718 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN059881.D

Acq: 27 Jan 2020 18:36

Instrument :

MSVOA_N

ClientSampleId :

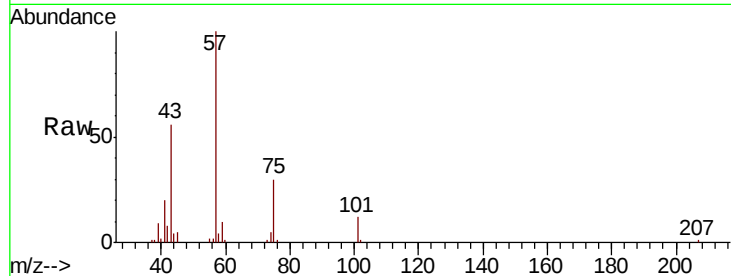
Tot Ion: 75 Resp: 22581

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

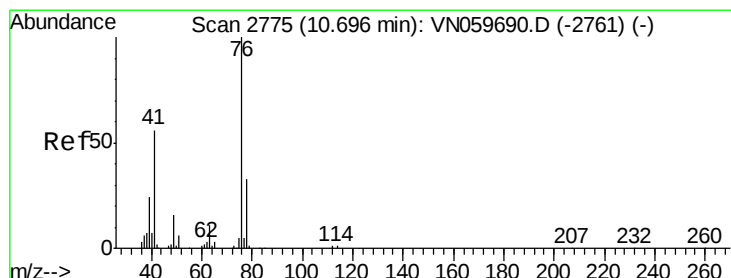
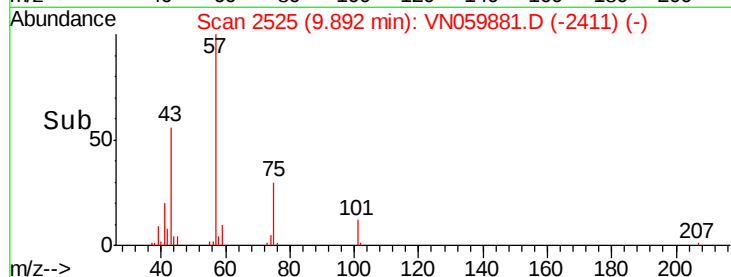
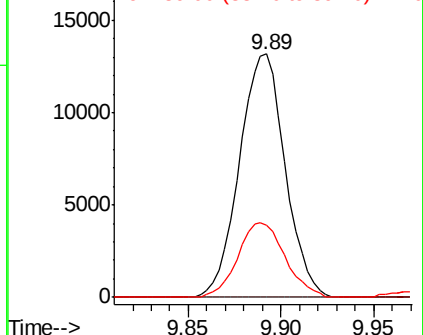
39 29.6 46.1 69.1#



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: 1.172 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN059881.D

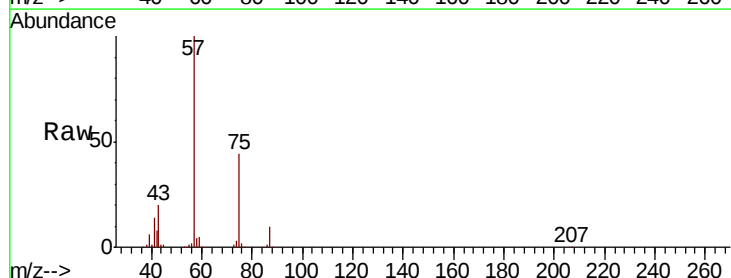
Acq: 27 Jan 2020 18:36

Tgt Ion: 76 Resp: 3786

Ion Ratio Lower Upper

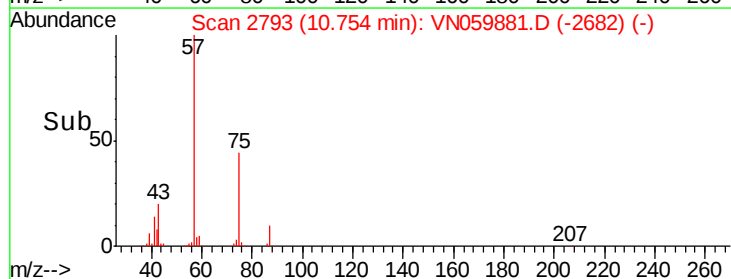
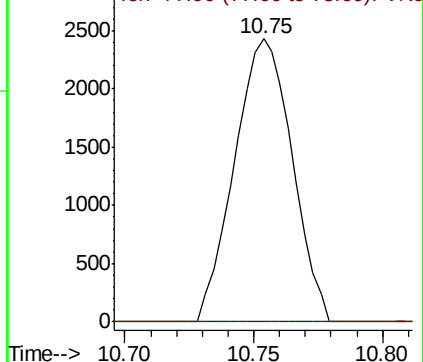
76 100

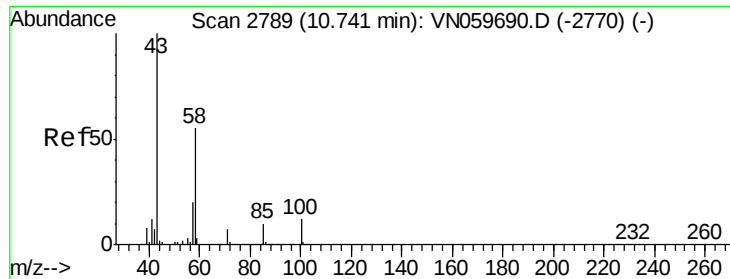
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

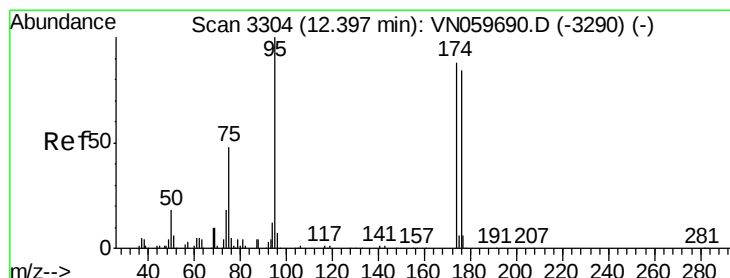
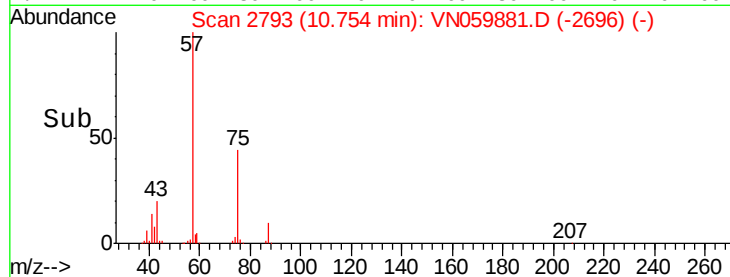
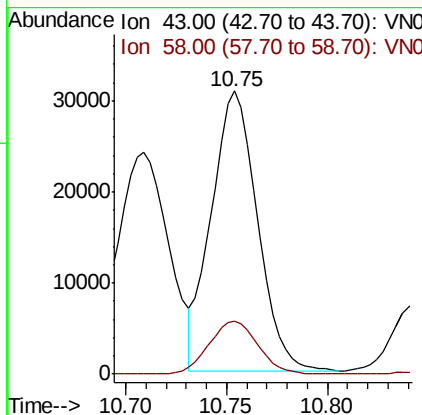
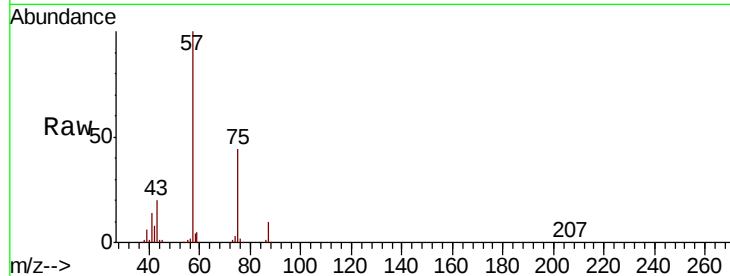




#59
2-Hexanone
Concen: 26.128 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059881.D
Acq: 27 Jan 2020 18:36

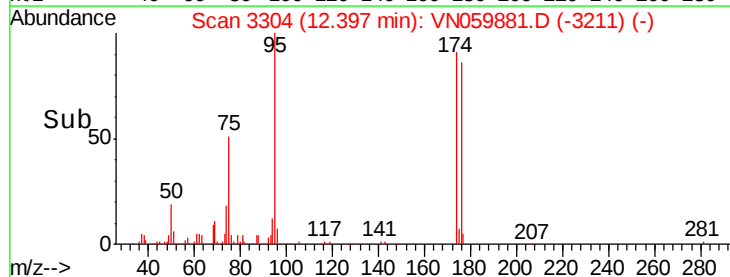
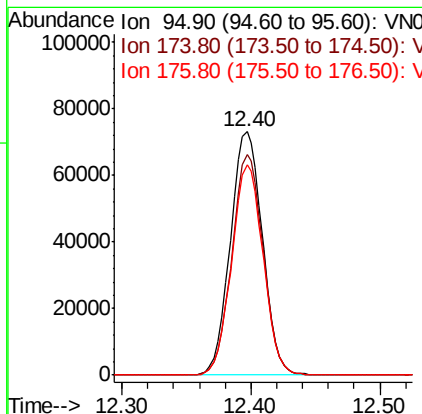
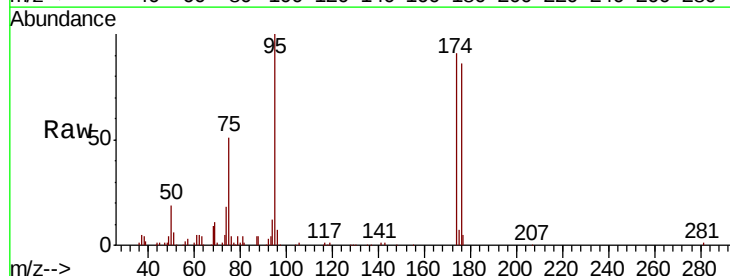
Instrument :
MSVOA_N
ClientSampleId :

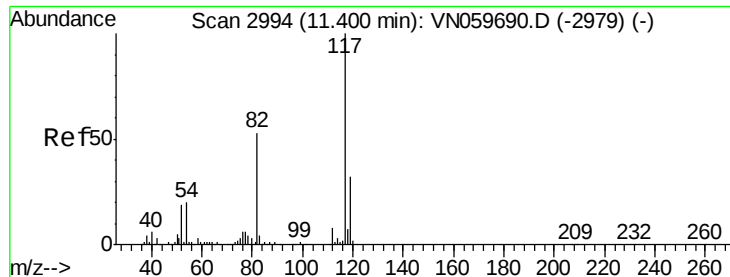
Tot Ion: 43 Resp: 48956
Ion Ratio Lower Upper
43 100
58 19.9 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 48.318 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059881.D
Acq: 27 Jan 2020 18:36

Tgt Ion: 95 Resp: 126042
Ion Ratio Lower Upper
95 100
174 88.7 0.0 151.4
176 85.0 0.0 146.0

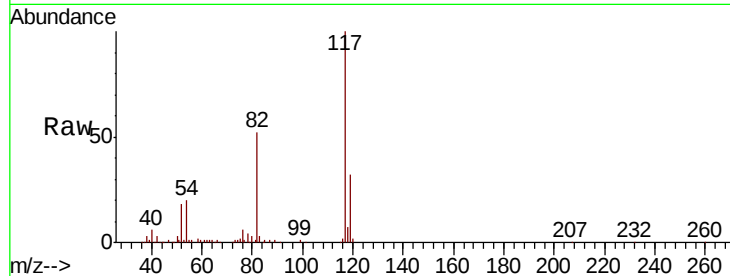




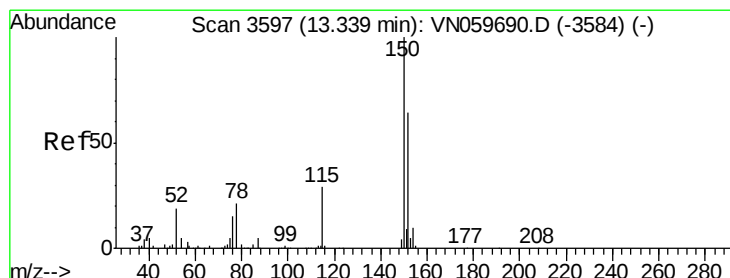
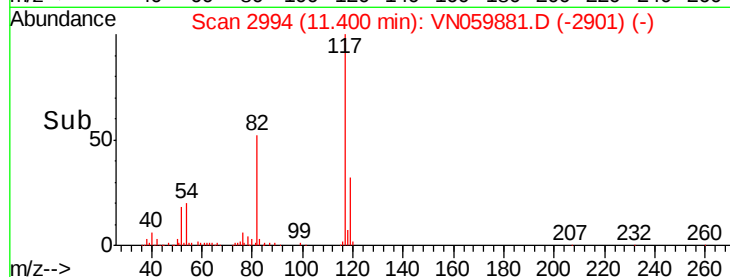
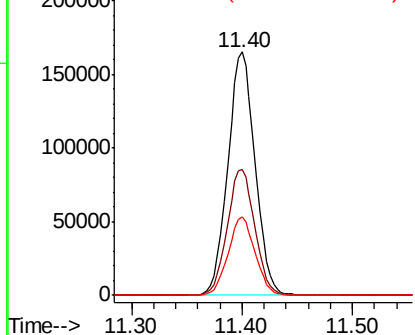
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059881.D
Acq: 27 Jan 2020 18:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 282360
Ion Ratio Lower Upper
117 100
82 51.8 45.9 68.9
119 32.1 25.5 38.3

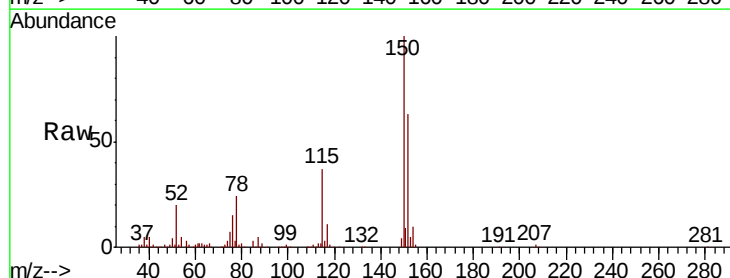


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

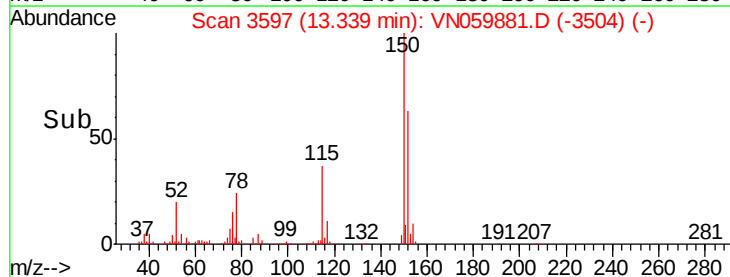
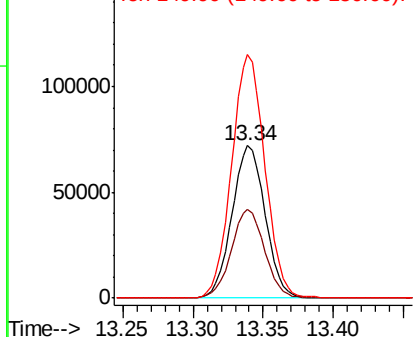


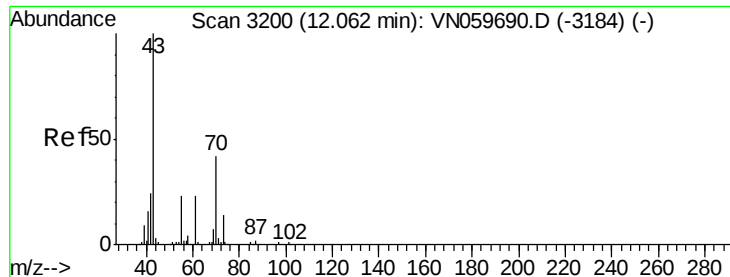
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059881.D
Acq: 27 Jan 2020 18:36

Tgt Ion:152 Resp: 118988
Ion Ratio Lower Upper
152 100
115 58.0 30.3 90.9
150 160.0 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





#74

N-amvl acetate

Concen: 0.543 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059881.D

Acq: 27 Jan 2020 18:36

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1839

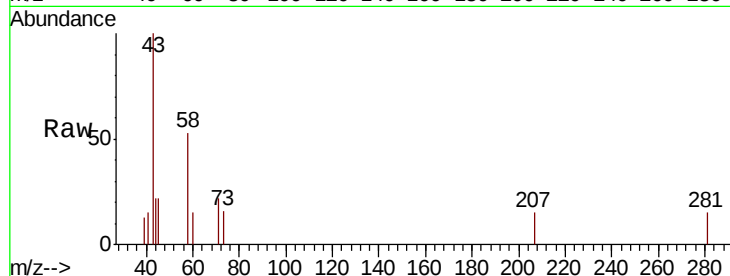
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

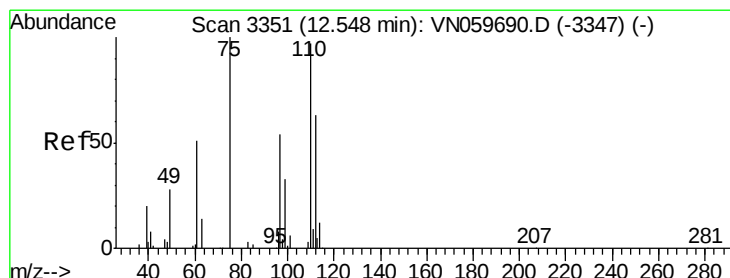
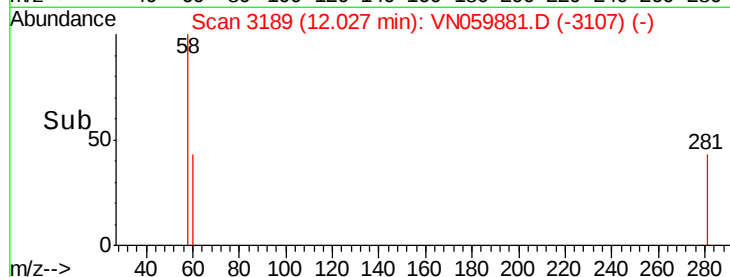
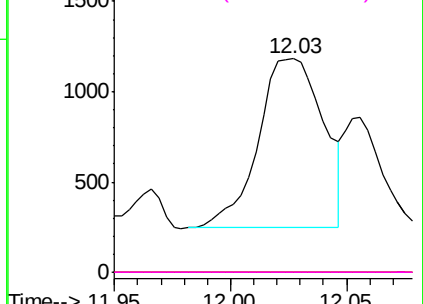


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 31.507 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059881.D

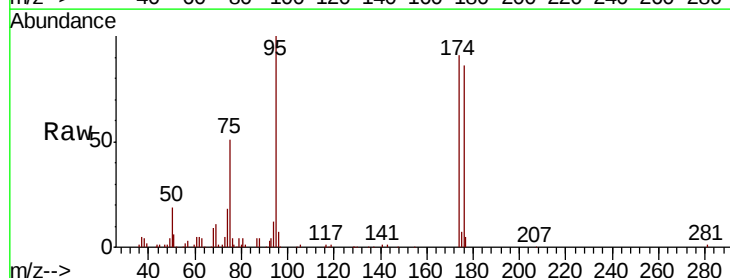
Acq: 27 Jan 2020 18:36

Tgt Ion: 75 Resp: 63091

Ion Ratio Lower Upper

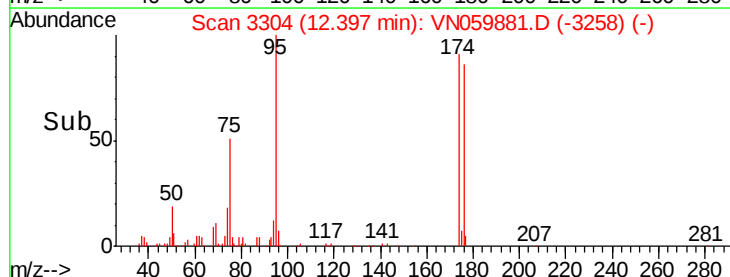
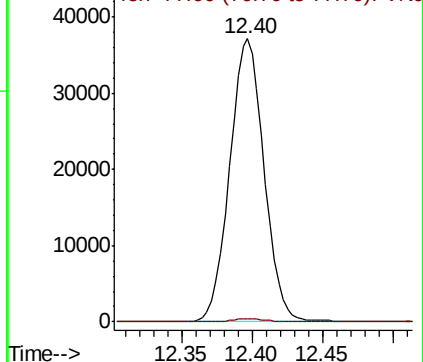
75 100

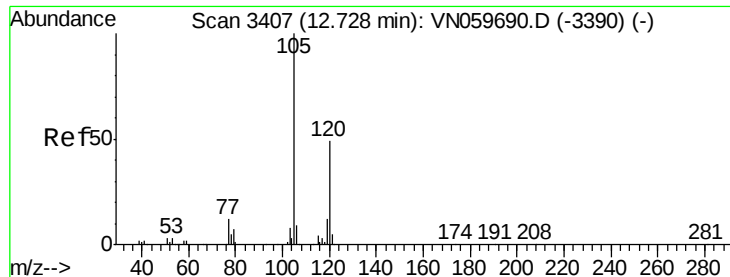
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

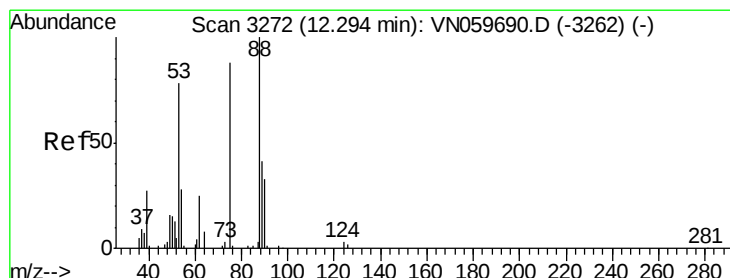
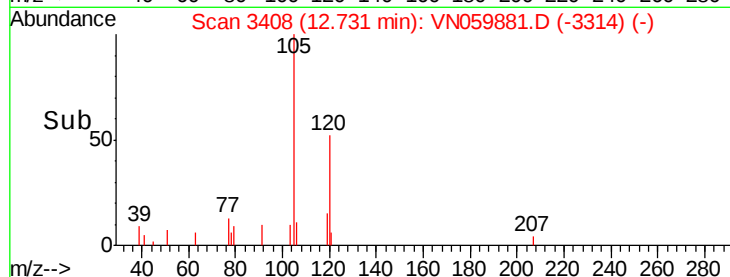
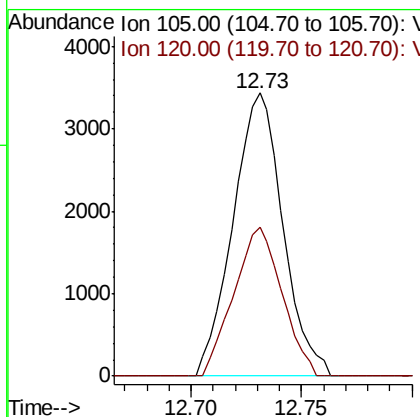
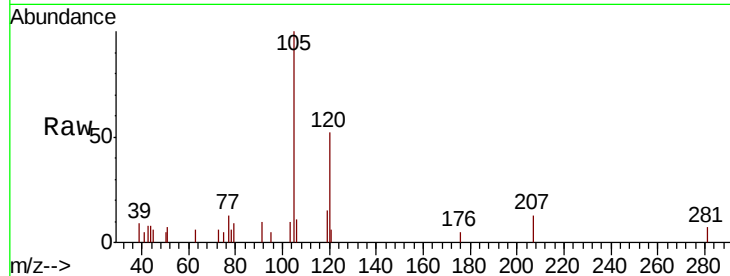




#80
 1,3,5-Trimethylbenzene
 Concen: 0.737 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN059881.D
 Acq: 27 Jan 2020 18:36

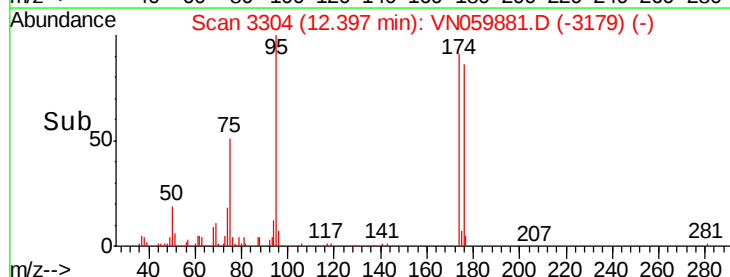
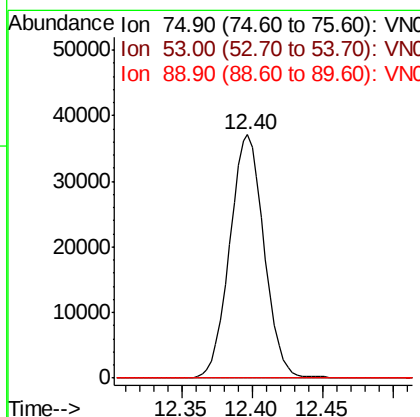
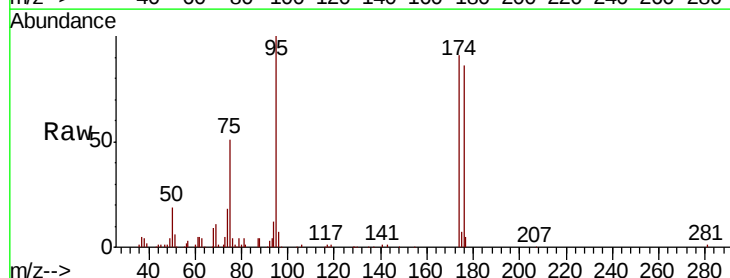
Instrument :
 MSVOA_N
 ClientSampled :

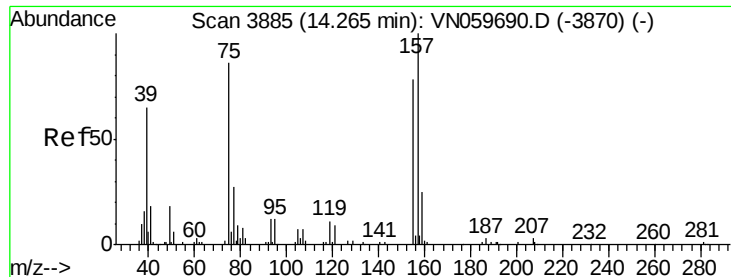
Tot Ion:105 Resp: 5406
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.661 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN059881.D
 Acq: 27 Jan 2020 18:36

Tgt Ion: 75 Resp: 63091
 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# 3887

Delta R.T. 0.01 min

Lab File: VN059881.D

Acq: 27 Jan 2020 18:36

Instrument :

MSVOA_N

ClientSampleId :

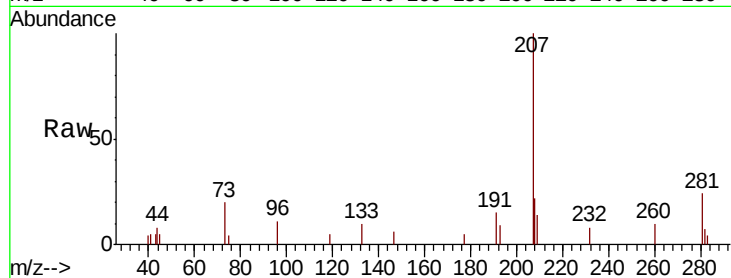
Tot Ion: 75 Resp: 95

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): VN059881.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN059881.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN059881.D (-3791) (-)

