

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059796.D
 Acq On : 20 Jan 2020 18:51
 Operator : JC/MD
 Sample : PB126173ZHE#16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 21 01:20:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	293215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	258811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	101713	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
35) Dibromofluoromethane	7.57	113	88892	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.08	98	341444	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.40	95	115204	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	

Target Compounds

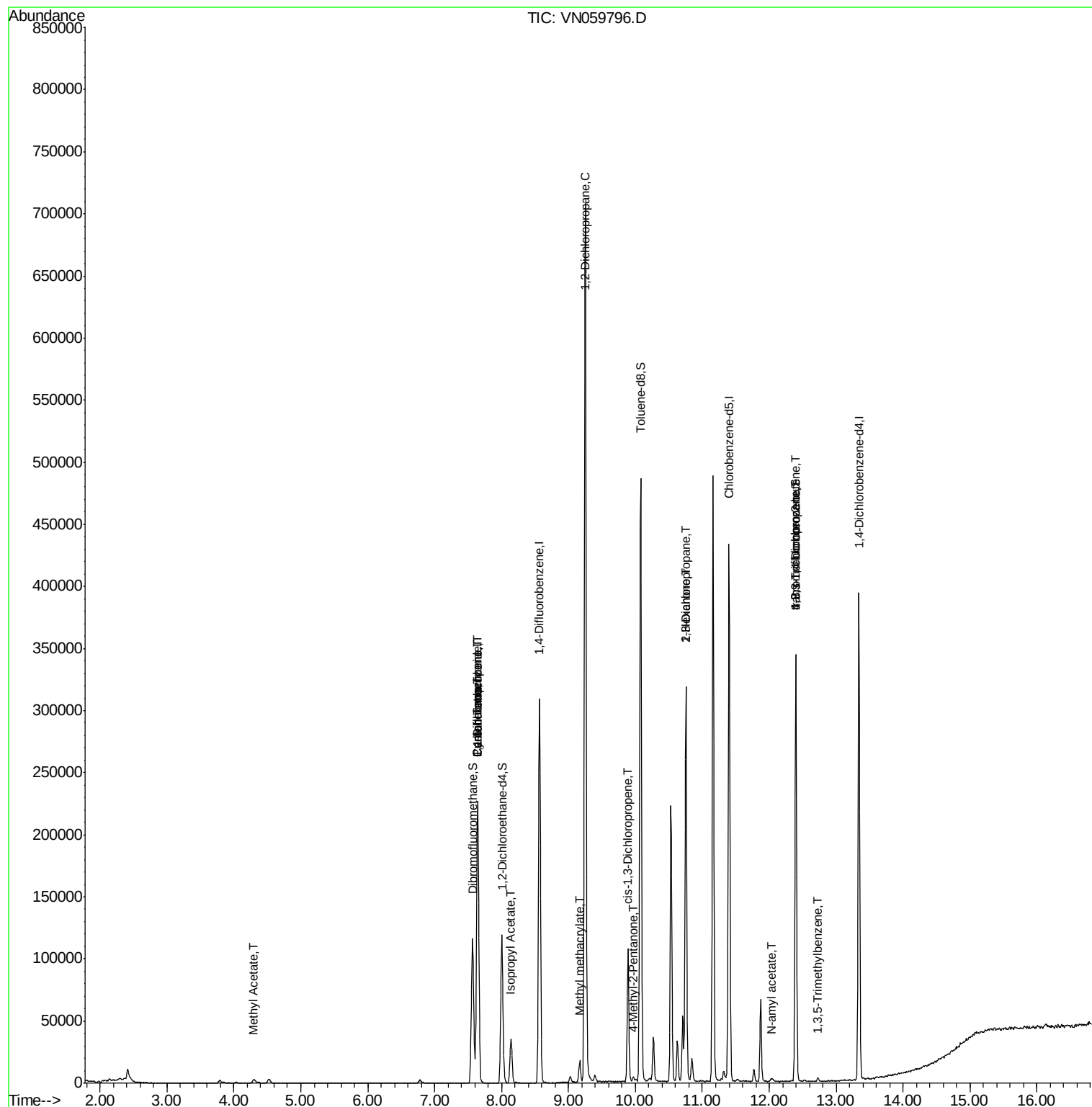
					Qvalue	
16) Acetone	3.79	43	4152	Below Cal		97
18) Methyl Acetate	4.30	43	5858	2.313 ug/l		100
20) Methylene Chloride	4.53	84	2521	Below Cal	#	79
31) Cyclohexane	7.64	56	3372	1.051 ug/l	#	1
36) 1,1-Dichloropropene	7.64	75	13398	5.247 ug/l	#	50
38) Carbon Tetrachloride	7.64	117	18122	6.524 ug/l	#	15
43) Isopropyl Acetate	8.14	43	42547	10.329 ug/l	#	92
45) 1,2-Dichloropropane	9.25	63	787	0.418 ug/l	#	44
48) Methyl methacrylate	9.16	41	2214	1.202 ug/l	#	13
51) 4-Methyl-2-Pentanone	9.97	43	2539	1.066 ug/l		98
54) cis-1,3-Dichloropropene	9.89	75	20539	6.526 ug/l	#	57
57) 1,3-Dichloropropane	10.75	76	3377	1.117 ug/l	#	42
59) 2-Hexanone	10.75	43	44318	25.263 ug/l	#	55
74) N-amyl acetate	12.03	43	1886	0.602 ug/l	#	45
76) 1,2,3-Trichloropropane	12.40	75	57569	31.057 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.73	105	1713	0.252 ug/l		99
81) trans-1,4-Dichloro-2-buten	12.40	75	57569	66.695 ug/l	#	11
92) 1,2-Dibromo-3-Chloropropan	14.30	75	91	Below Cal	#	6

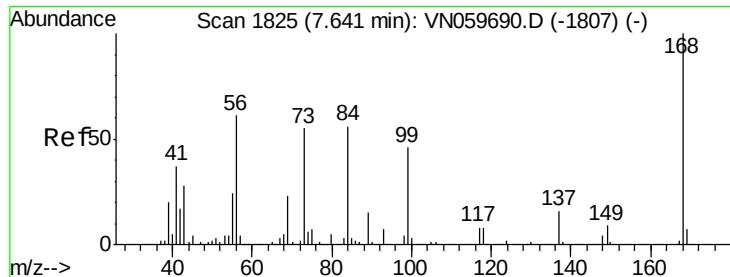
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012020\
Data File : VN059796.D
Acq On : 20 Jan 2020 18:51
Operator : JC/MD
Sample : PB126173ZHE#16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 21 01:20:38 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# 1825

Delta R.T. -0.00 min

Lab File: VN059796.D

Acq: 20 Jan 2020 18:51

Instrument :

MSVOA_N

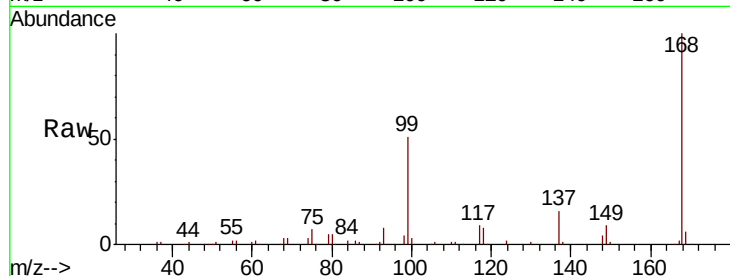
ClientSampled :

Tot Ion:168 Resp: 195284

Ion Ratio Lower Upper

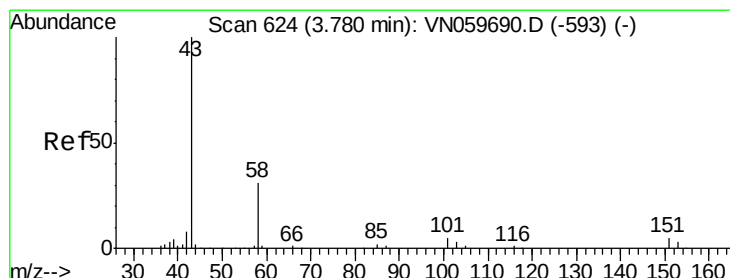
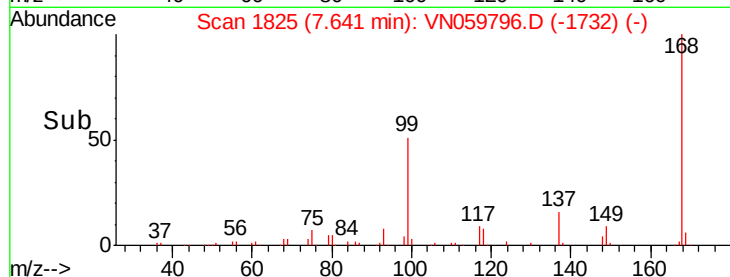
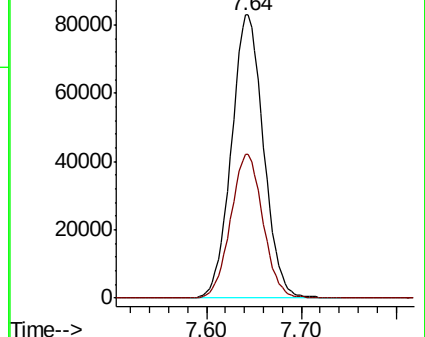
168 100

99 50.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059796.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059796.D (-1732) (-)



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059796.D

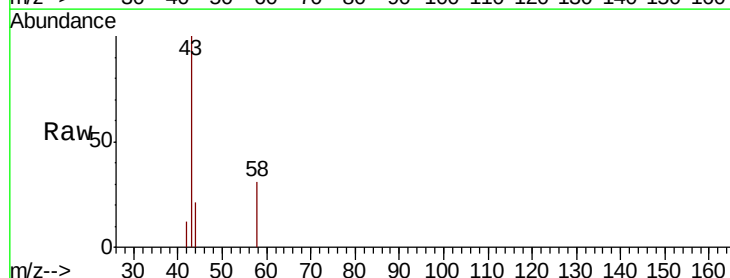
Acq: 20 Jan 2020 18:51

Tgt Ion: 43 Resp: 4152

Ion Ratio Lower Upper

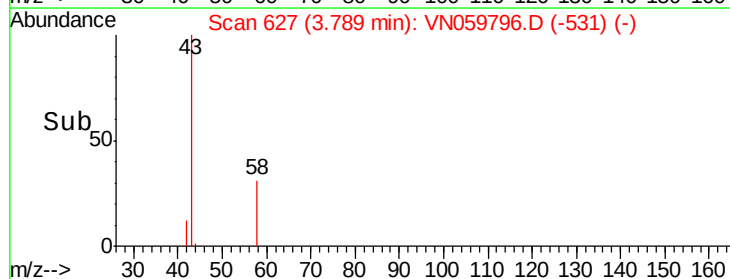
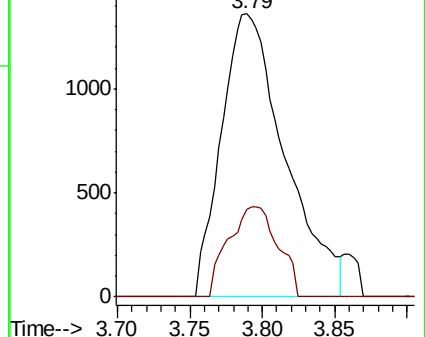
43 100

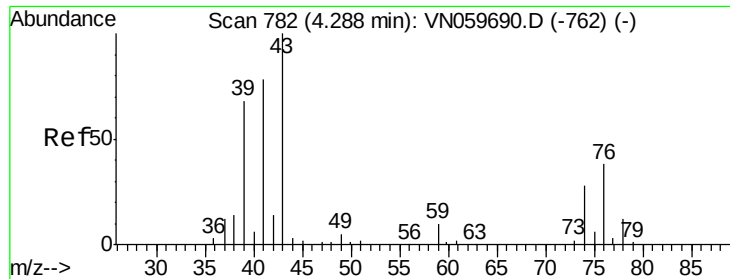
58 31.0 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059796.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN059796.D (-531) (-)

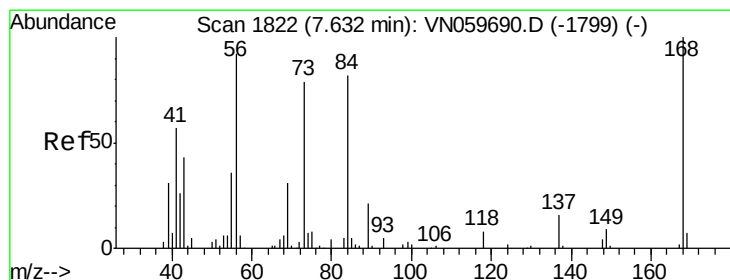
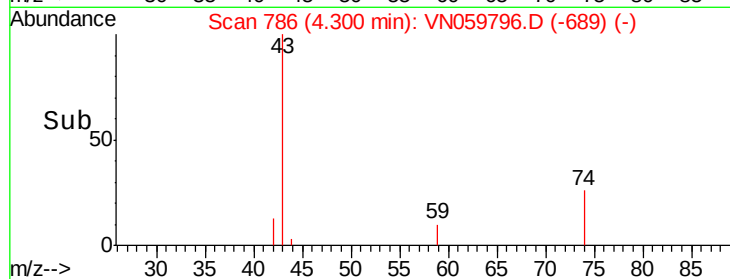
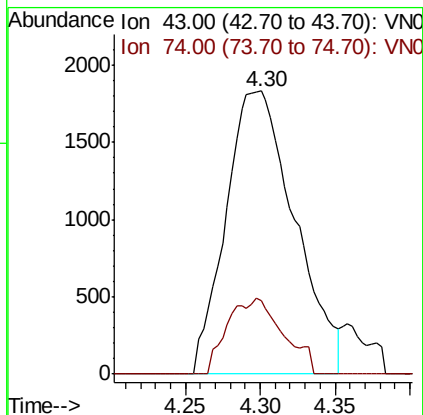
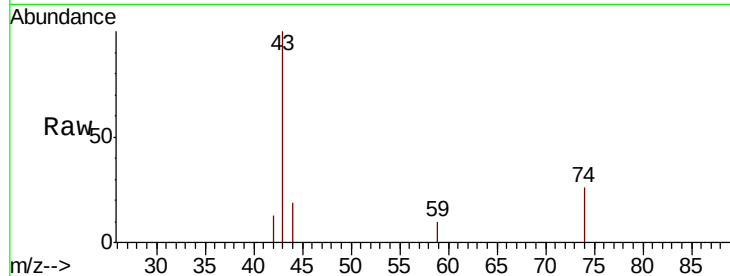




#18
Methvl Acetate
Concen: 2.313 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059796.D
Acq: 20 Jan 2020 18:51

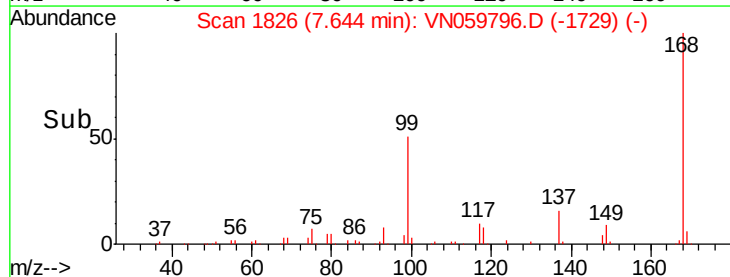
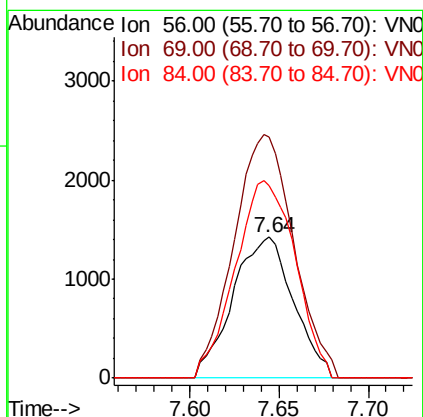
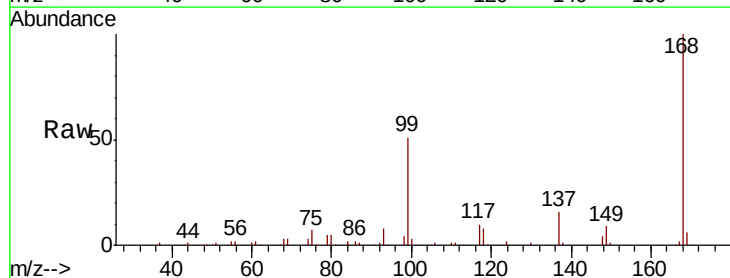
Instrument :
MSVOA_N
ClientSampleId :

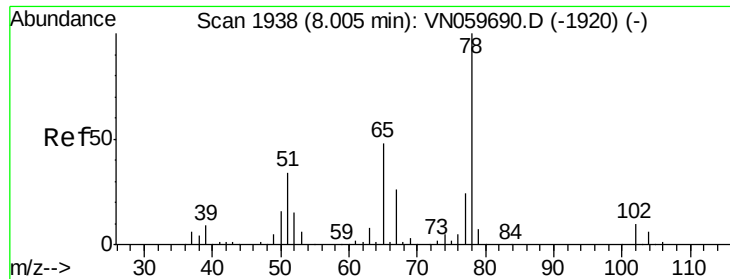
Tot Ion: 43 Resp: 5858
Ion Ratio Lower Upper
43 100
74 21.7 17.5 26.3



#31
Cyclohexane
Concen: 1.051 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059796.D
Acq: 20 Jan 2020 18:51

Tgt Ion: 56 Resp: 3372
Ion Ratio Lower Upper
56 100
69 171.2 26.5 39.7#
84 136.2 65.3 97.9#

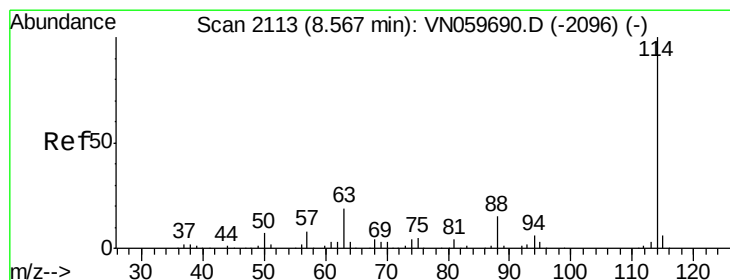
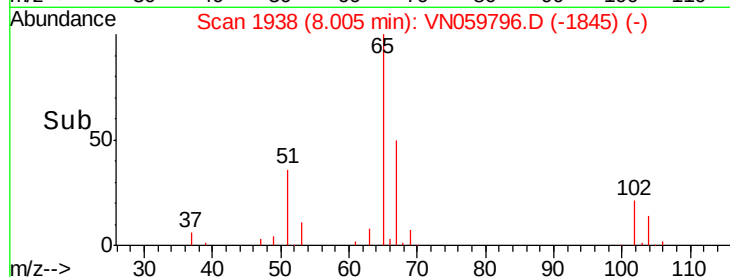
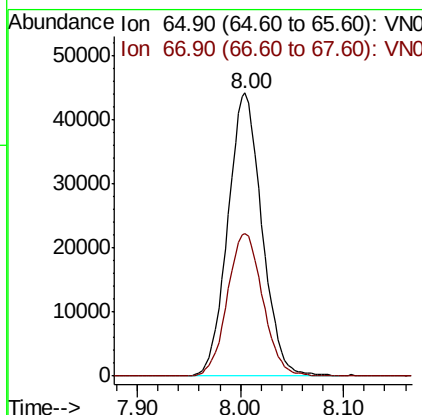
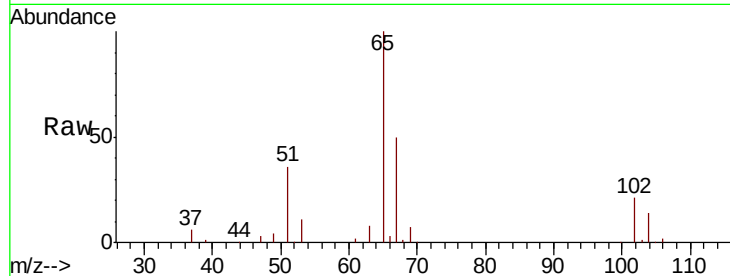




#33
 1,2-Dichloroethane-d4
 Concen: 46.901 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059796.D
 Acq: 20 Jan 2020 18:51

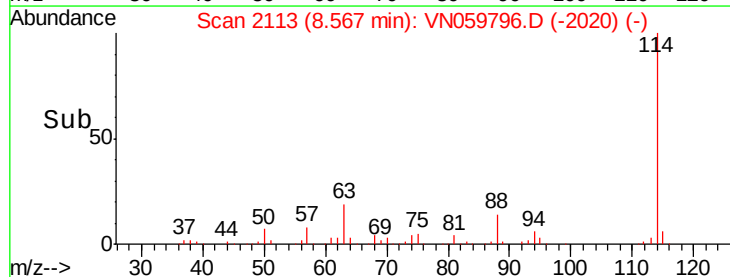
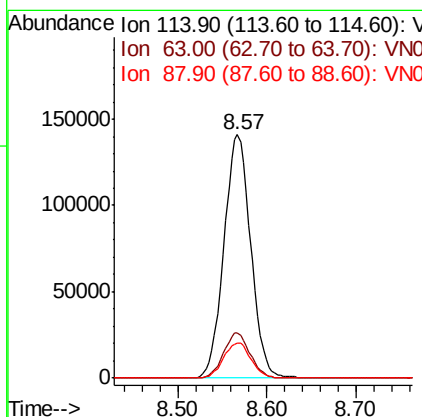
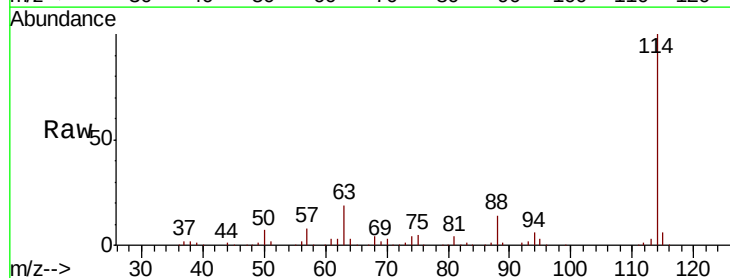
Instrument :
 MSVOA_N
 ClientSampleId :

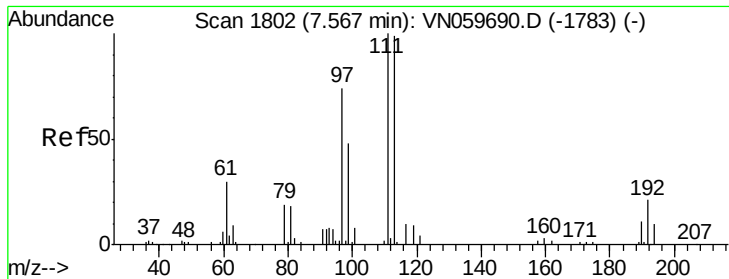
Tot Ion: 65 Resp: 101713
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059796.D
 Acq: 20 Jan 2020 18:51

Tgt Ion: 114 Resp: 293215
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 43.6
 88 14.4 0.0 31.4

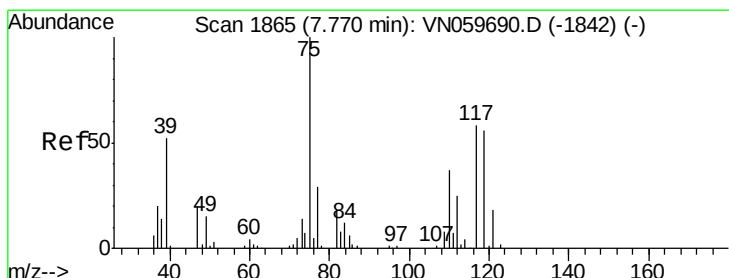
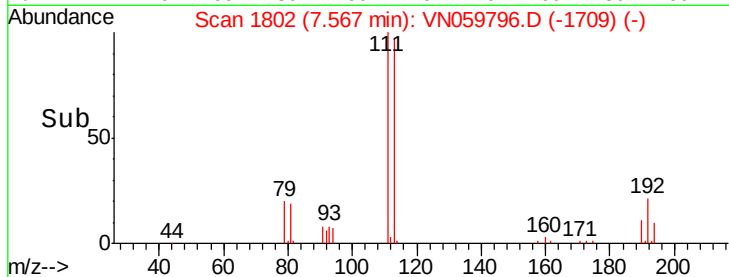
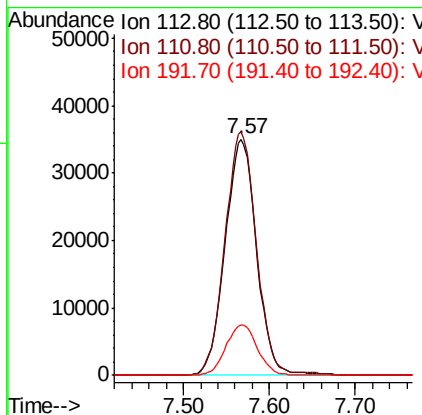
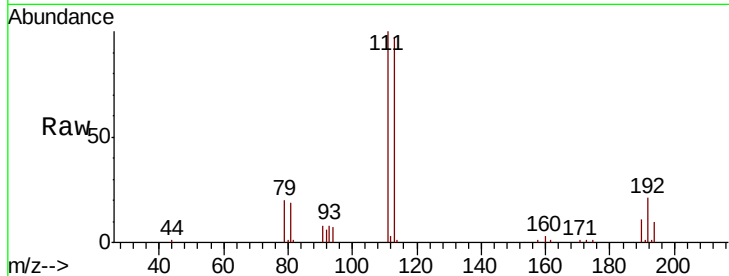




#35
 Dibromofluoromethane
 Concen: 50.837 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059796.D
 Acq: 20 Jan 2020 18:51

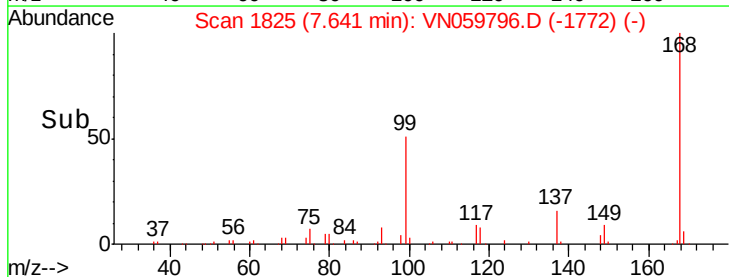
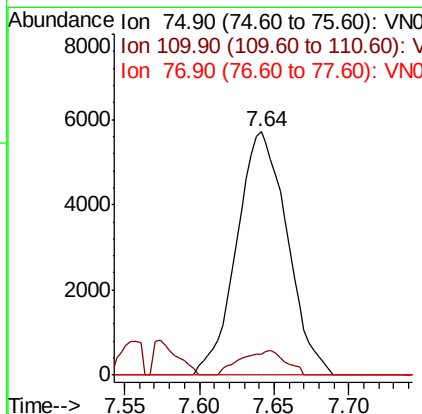
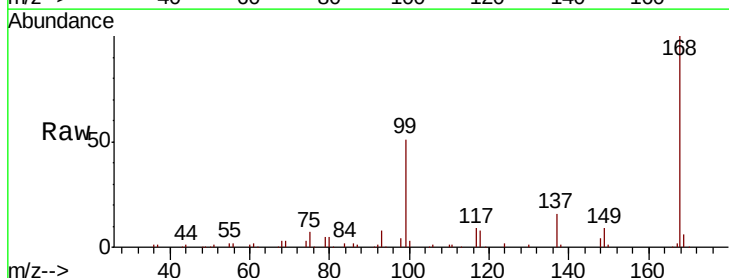
Instrument :
 MSVOA_N
 ClientSampleId :

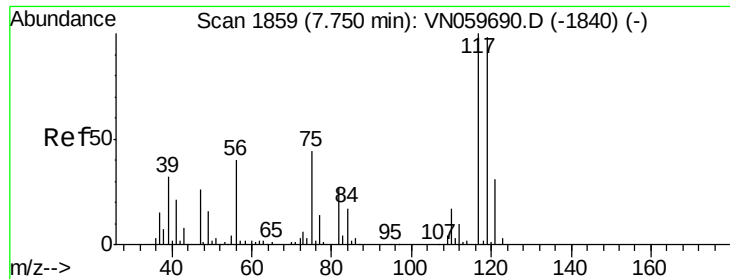
Tot Ion:113 Resp: 88892
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.5 125.3
 192 21.4 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.247 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059796.D
 Acq: 20 Jan 2020 18:51

Tgt Ion: 75 Resp: 13398
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.6 49.7#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.524 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059796.D

Acq: 20 Jan 2020 18:51

Instrument :

MSVOA_N

ClientSampled :

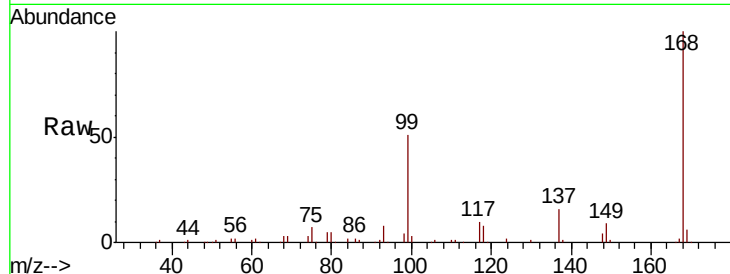
Tot Ion:117 Resp: 18122

Ion Ratio Lower Upper

117 100

119 3.9 76.5 114.7#

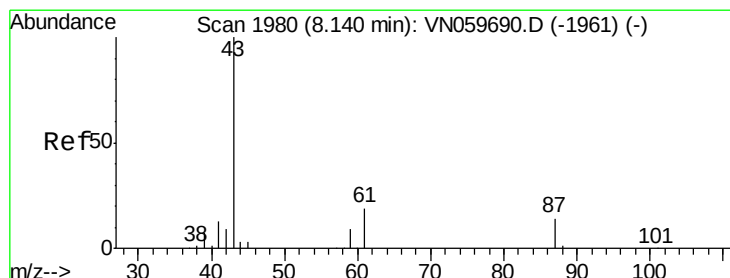
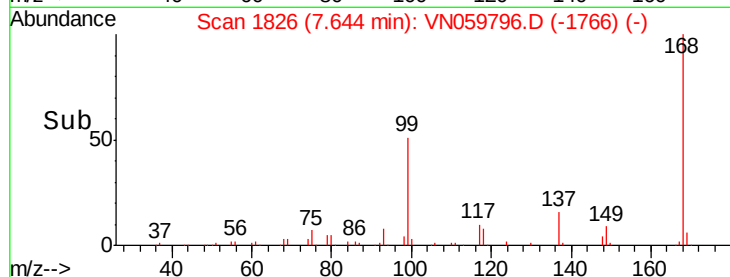
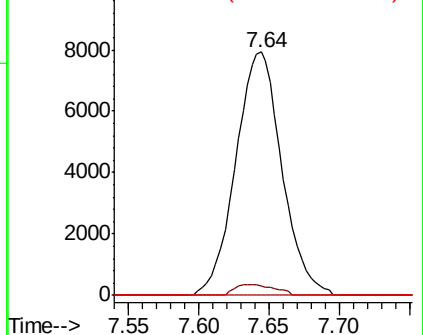
121 0.0 25.1 37.7#



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: 10.329 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059796.D

Acq: 20 Jan 2020 18:51

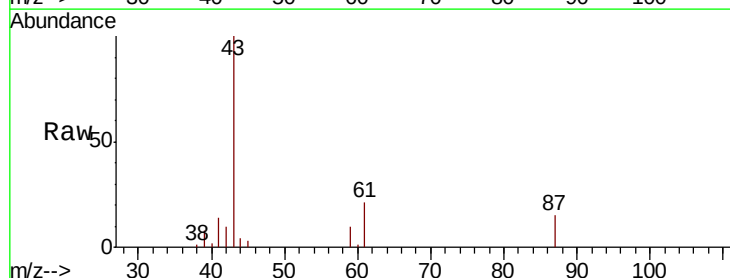
Tgt Ion: 43 Resp: 42547

Ion Ratio Lower Upper

43 100

61 21.3 20.2 30.2

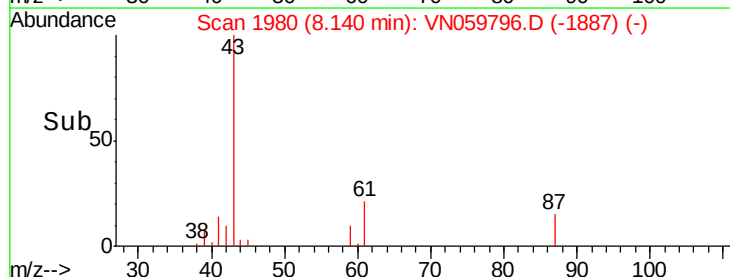
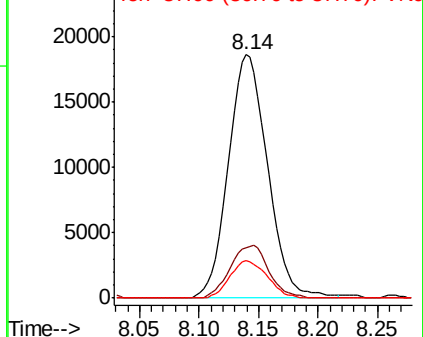
87 14.6 9.5 14.3#

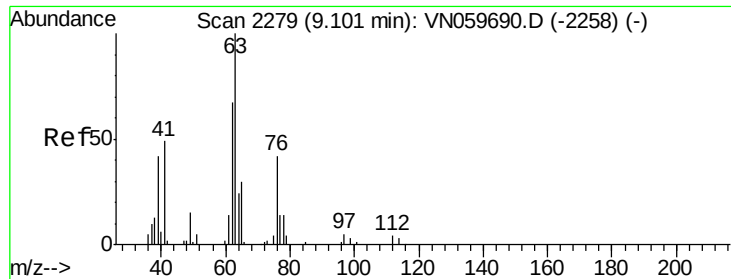


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

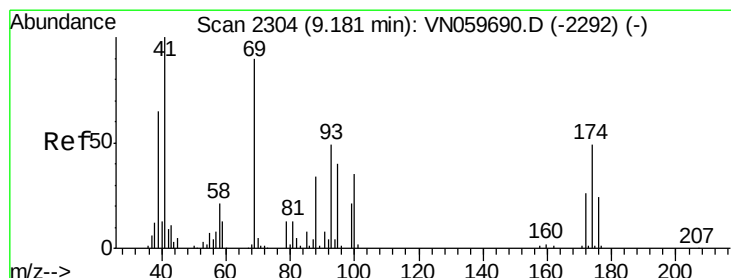
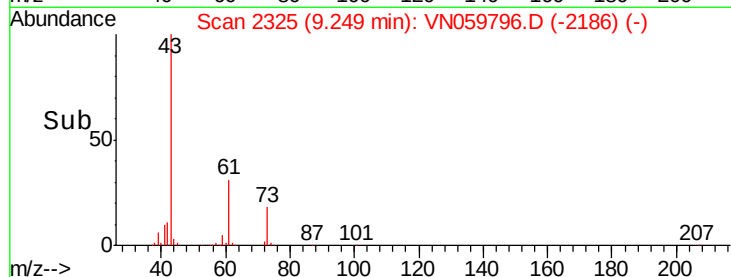
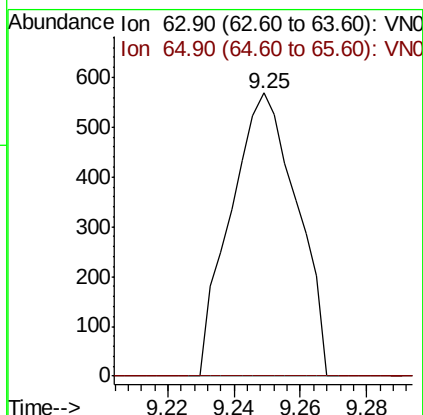
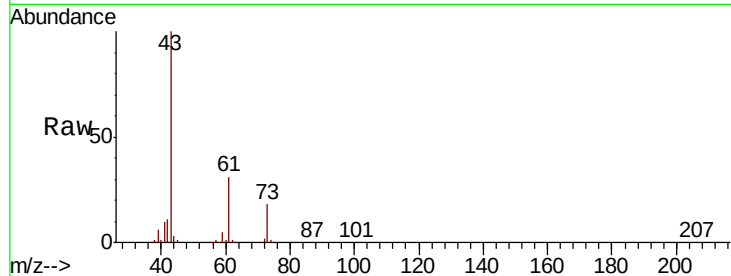




#45
 1,2-Dichloropropane
 Concen: 0.418 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN059796.D
 Acq: 20 Jan 2020 18:51

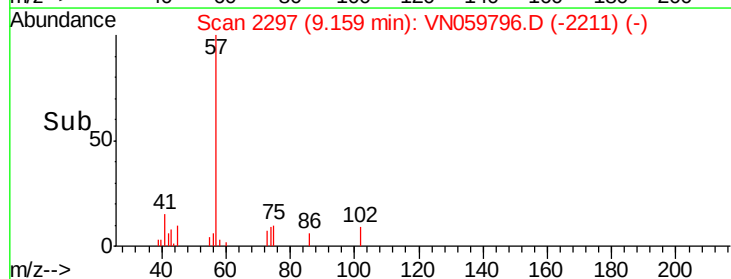
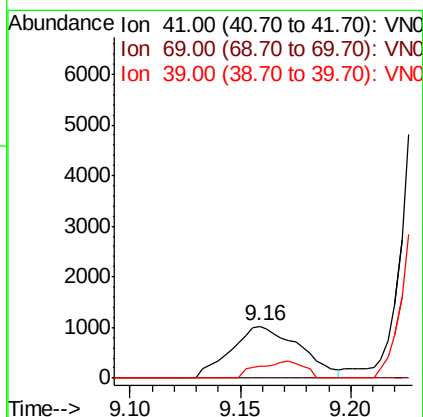
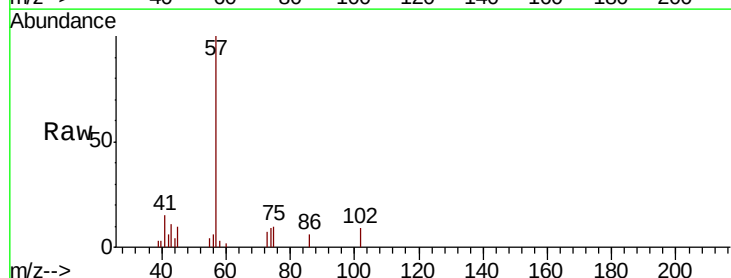
Instrument :
 MSVOA_N
 ClientSampleId :

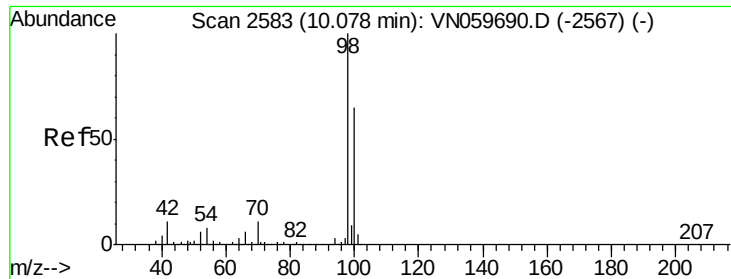
Tot Ion: 63 Resp: 787
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.202 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN059796.D
 Acq: 20 Jan 2020 18:51

Tgt Ion: 41 Resp: 2214
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#

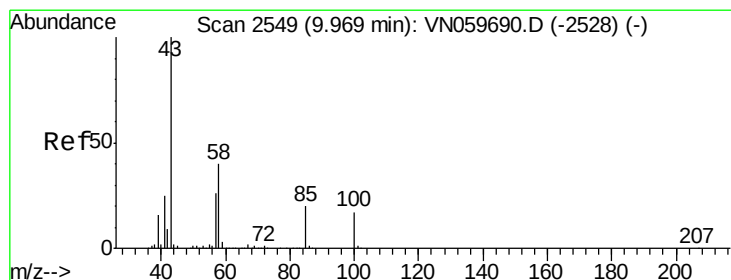
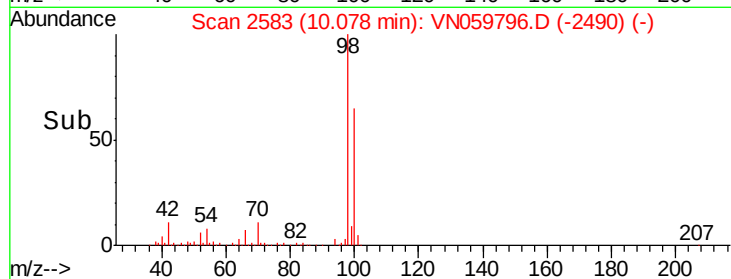
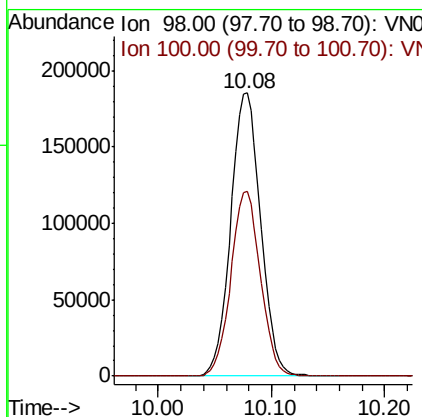
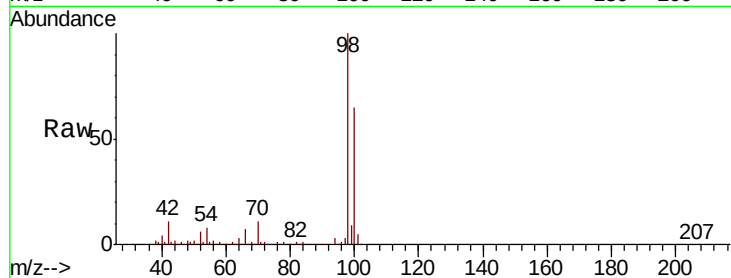




#50
Toluene-d8
Concen: 50.399 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059796.D
Acq: 20 Jan 2020 18:51

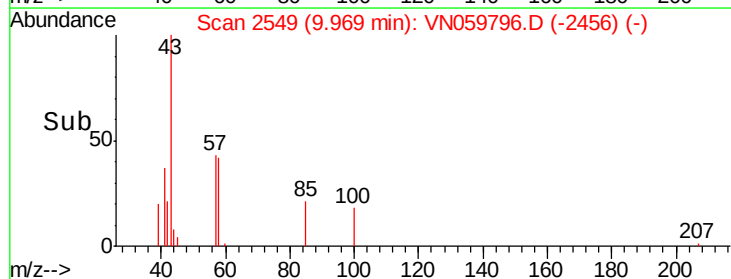
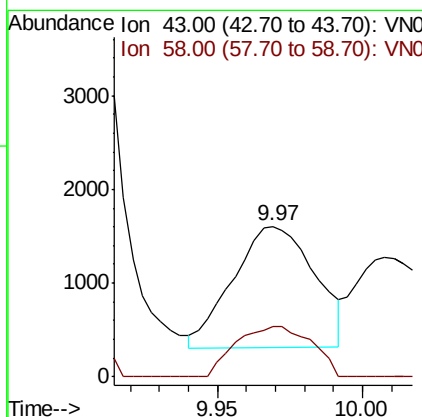
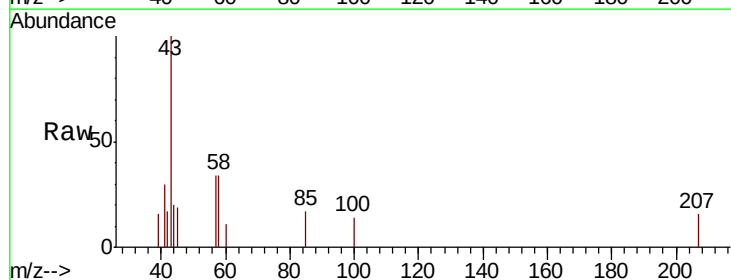
Instrument :
MSVOA_N
ClientSampled :

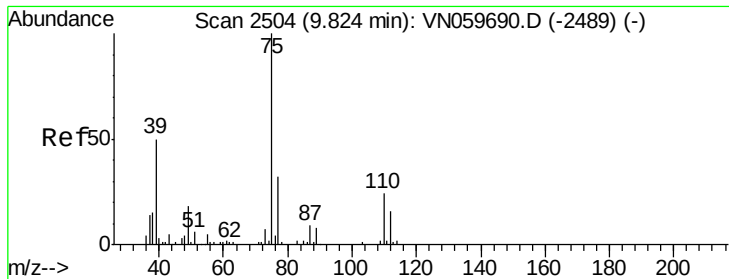
Tot Ion: 98 Resp: 341444
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 1.066 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059796.D
Acq: 20 Jan 2020 18:51

Tgt Ion: 43 Resp: 2539
Ion Ratio Lower Upper
43 100
58 38.6 29.8 44.8



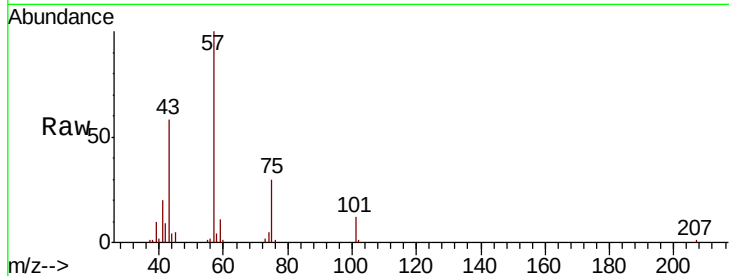


#54

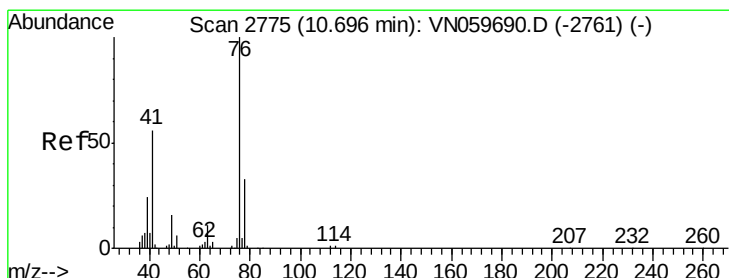
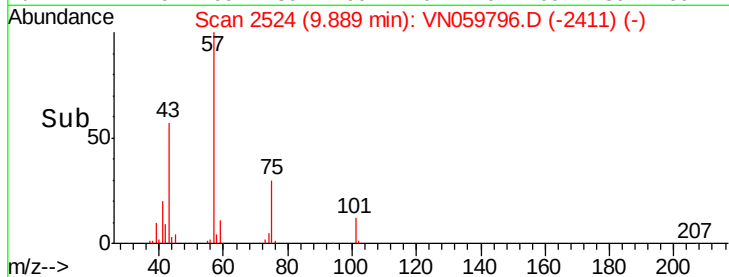
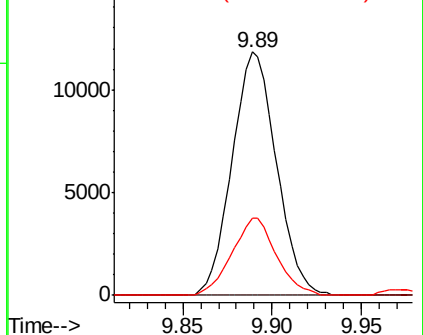
cis-1,3-Dichloropropene
 Concen: 6.526 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN059796.D
 Acq: 20 Jan 2020 18:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.1	37.7#
39	31.8	46.1	69.1#



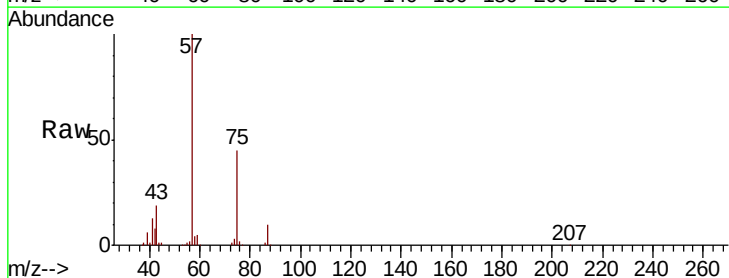
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



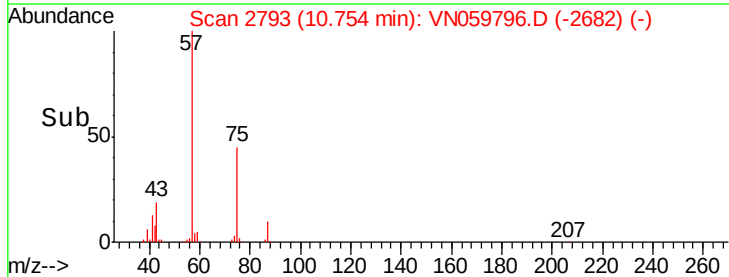
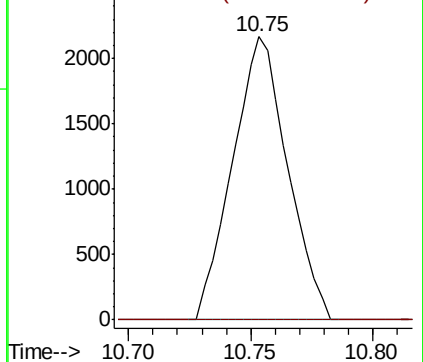
#57

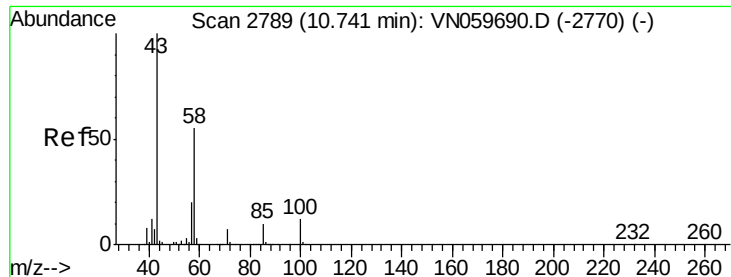
1,3-Dichloropropane
 Concen: 1.117 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059796.D
 Acq: 20 Jan 2020 18:51

Tgt 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

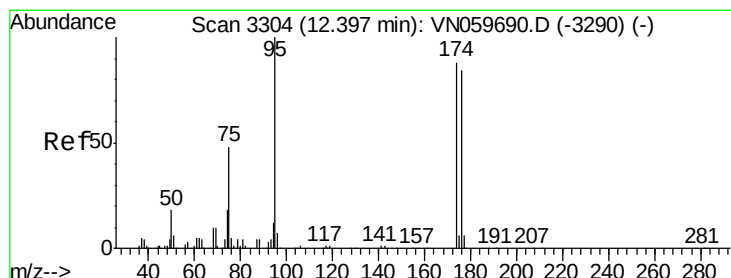
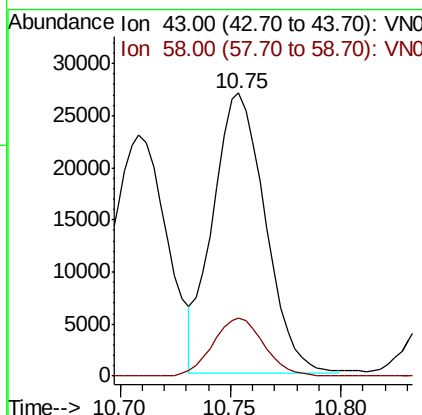
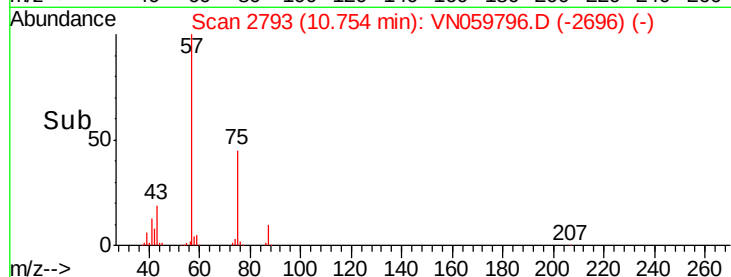
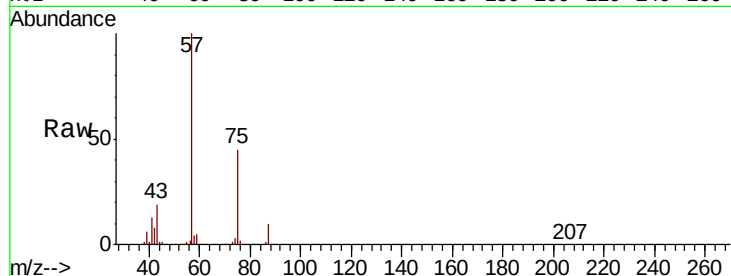




#59
2-Hexanone
Concen: 25.263 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059796.D
Acq: 20 Jan 2020 18:51

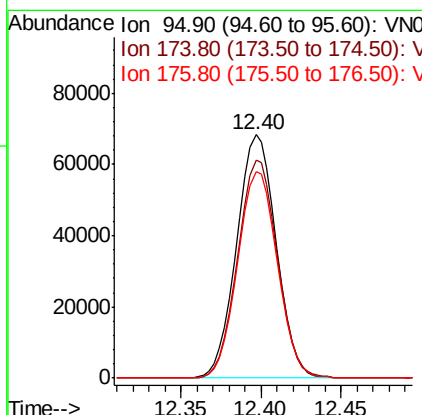
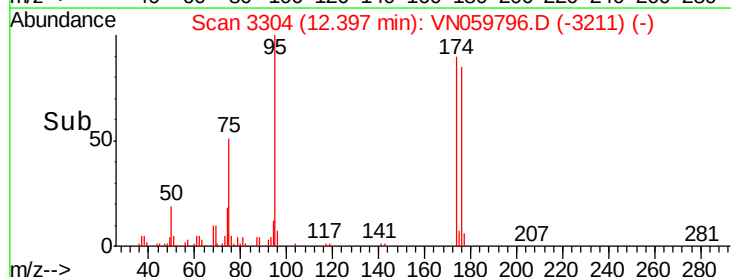
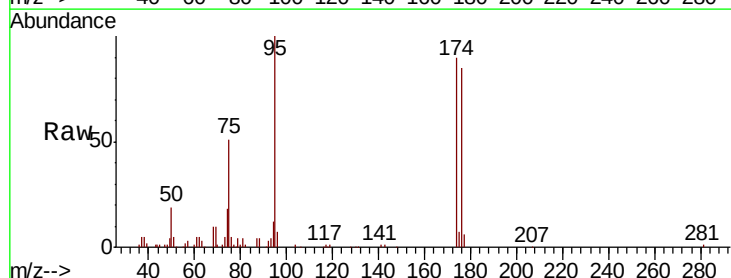
Instrument :
MSVOA_N
ClientSampleId :

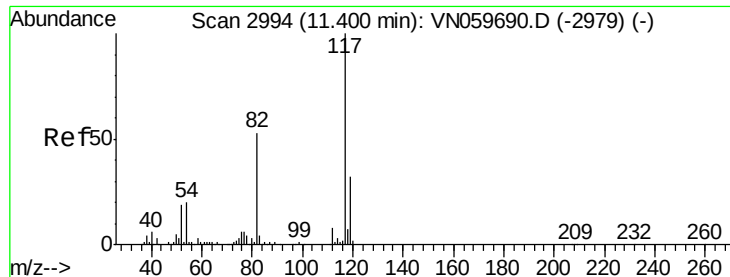
Tot Ion: 43 Resp: 44318
Ion Ratio Lower Upper
43 100
58 20.2 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 47.170 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN059796.D
Acq: 20 Jan 2020 18:51

Tgt Ion: 95 Resp: 115204
Ion Ratio Lower Upper
95 100
174 89.8 0.0 151.4
176 85.4 0.0 146.0

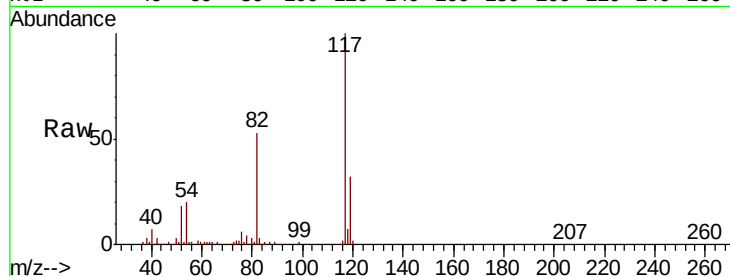




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059796.D
Acq: 20 Jan 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	45.9	68.9
119	31.6	25.5	38.3

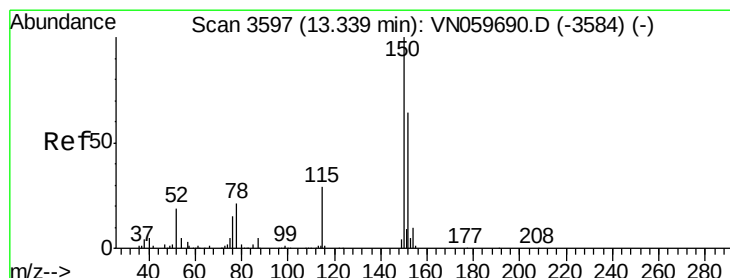
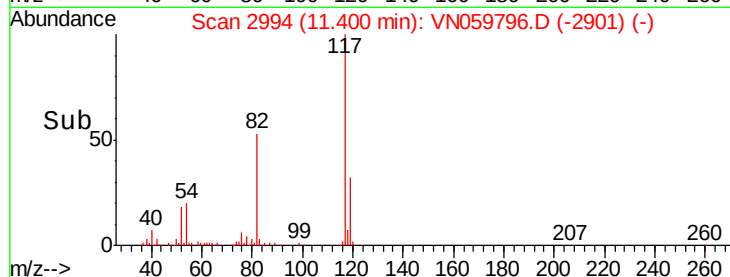
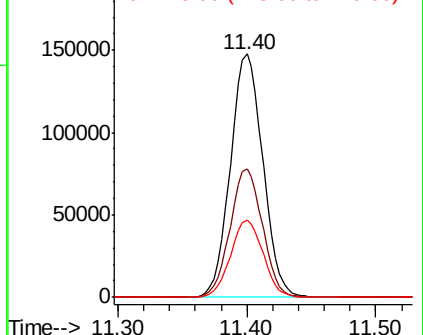


Abundance

Ion 116.90 (116.60 to 117.60): V

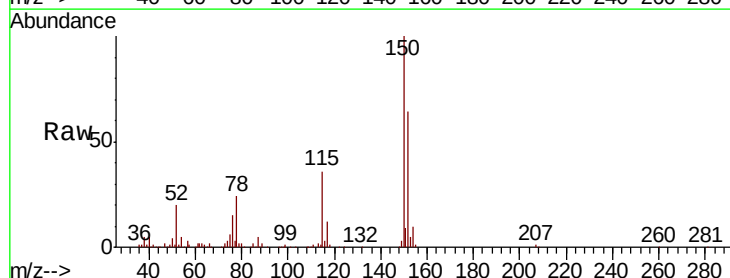
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN059796.D
Acq: 20 Jan 2020 18:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	30.3	90.9
150	156.4	0.0	345.2

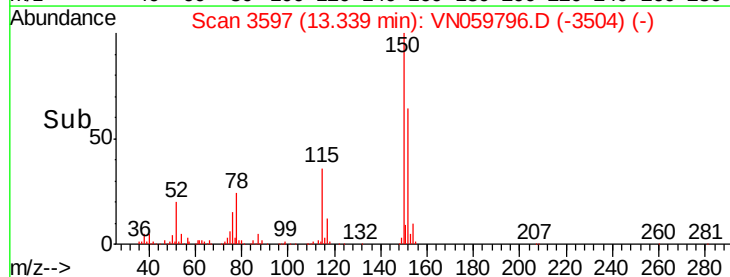
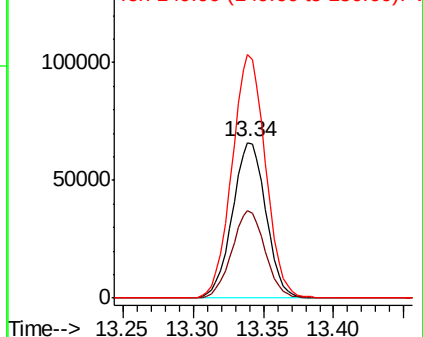


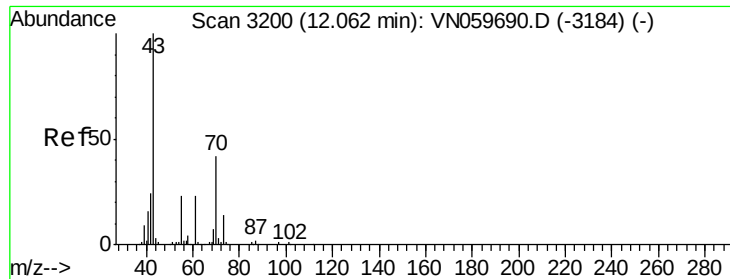
Abundance

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: 0.602 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059796.D

Acq: 20 Jan 2020 18:51

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 1886

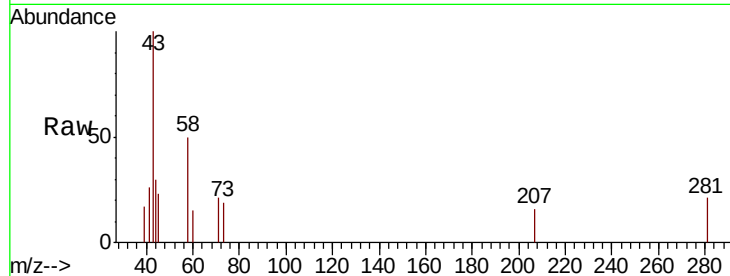
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

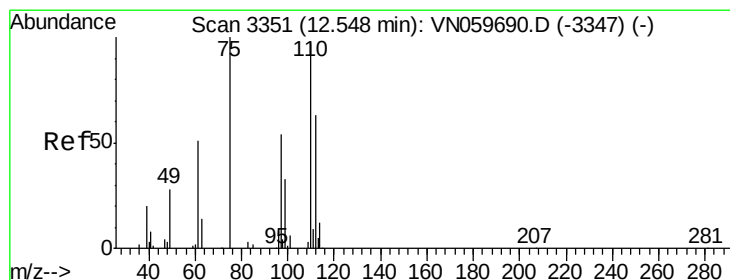
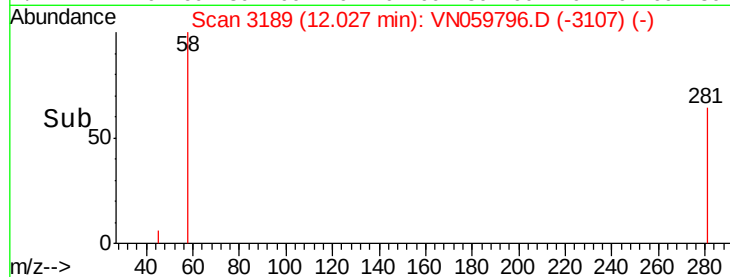
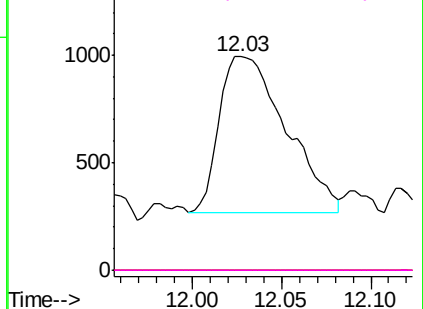


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 31.057 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059796.D

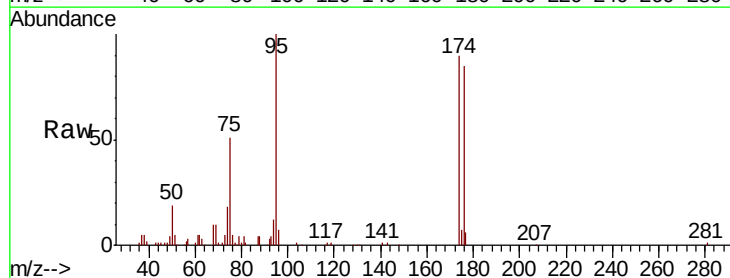
Acq: 20 Jan 2020 18:51

Tgt Ion: 75 Resp: 57569

Ion Ratio Lower Upper

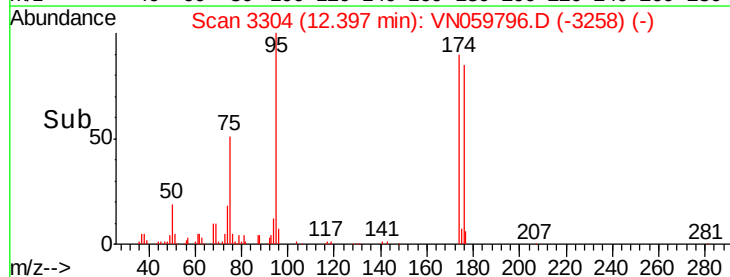
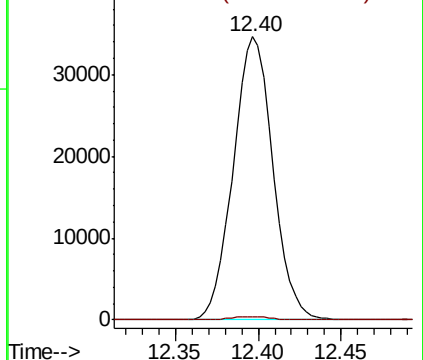
75 100

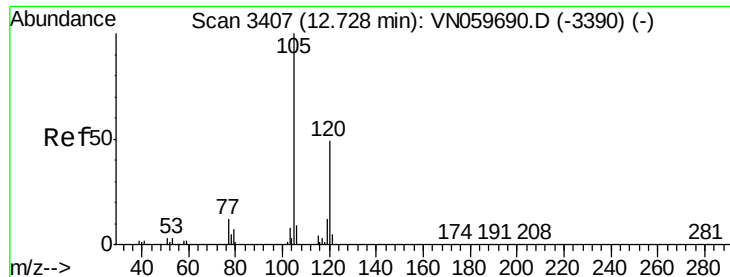
77 1.0 0.0 0.0#



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: 0.252 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059796.D

Acq: 20 Jan 2020 18:51

Instrument :

MSVOA_N

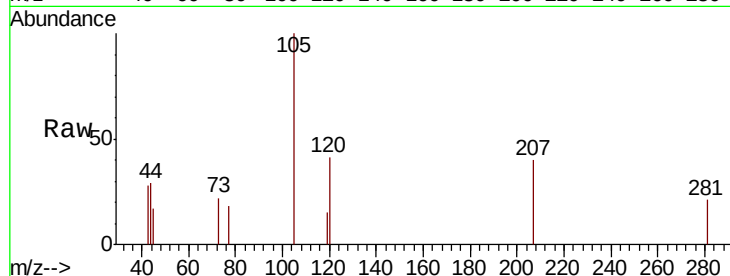
ClientSampled :

Tot Ion: 105 Resp: 1713

Ion Ratio Lower Upper

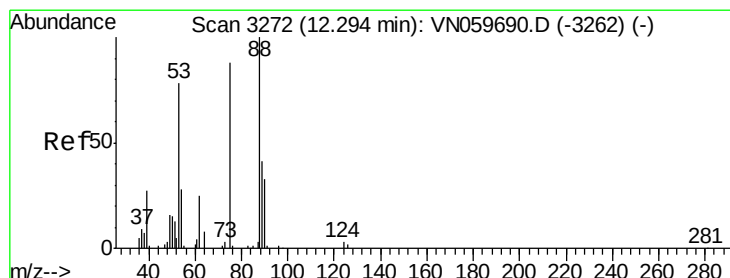
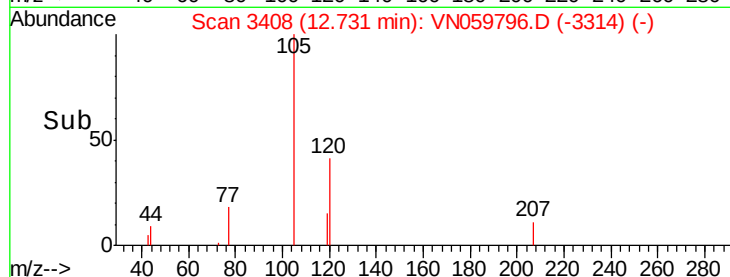
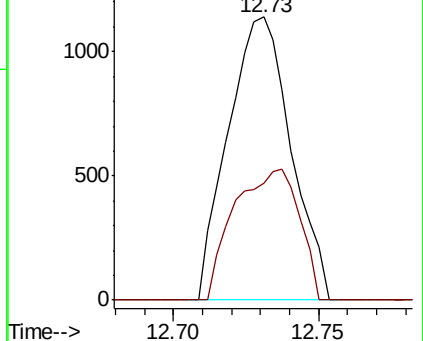
105 100

120 47.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 66.695 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059796.D

Acq: 20 Jan 2020 18:51

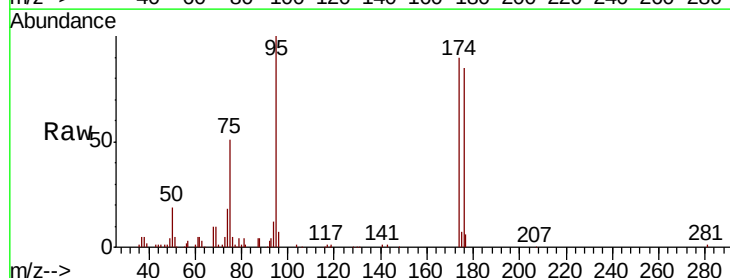
Tgt Ion: 75 Resp: 57569

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

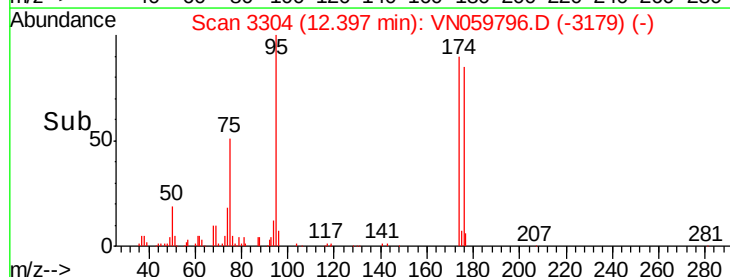
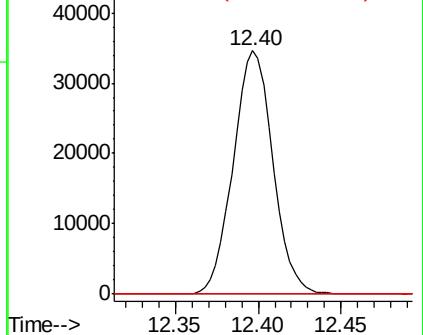
89 0.0 35.4 53.2#

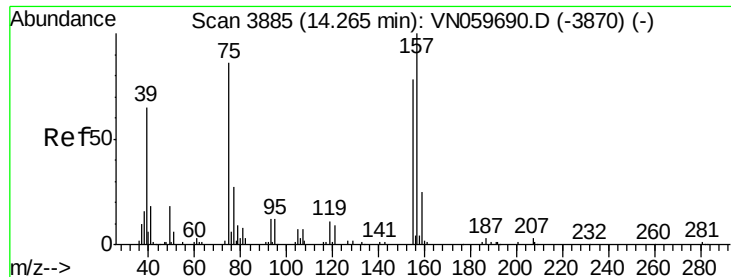


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.30 min Scan# 3897

Delta R.T. 0.04 min

Lab File: VN059796.D

Acq: 20 Jan 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

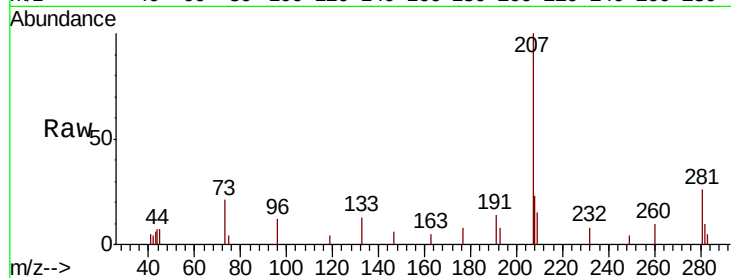
Tot Ion: 75 Resp: 91

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

