

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060040.D
 Acq On : 10 Feb 2020 12:54
 Operator : JC/MD
 Sample : L1438-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 11 07:08:05 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	198959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	312668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128872	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	117746	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
35) Dibromofluoromethane	7.57	113	96466	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
50) Toluene-d8	10.08	98	377852	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.40	95	135683	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	

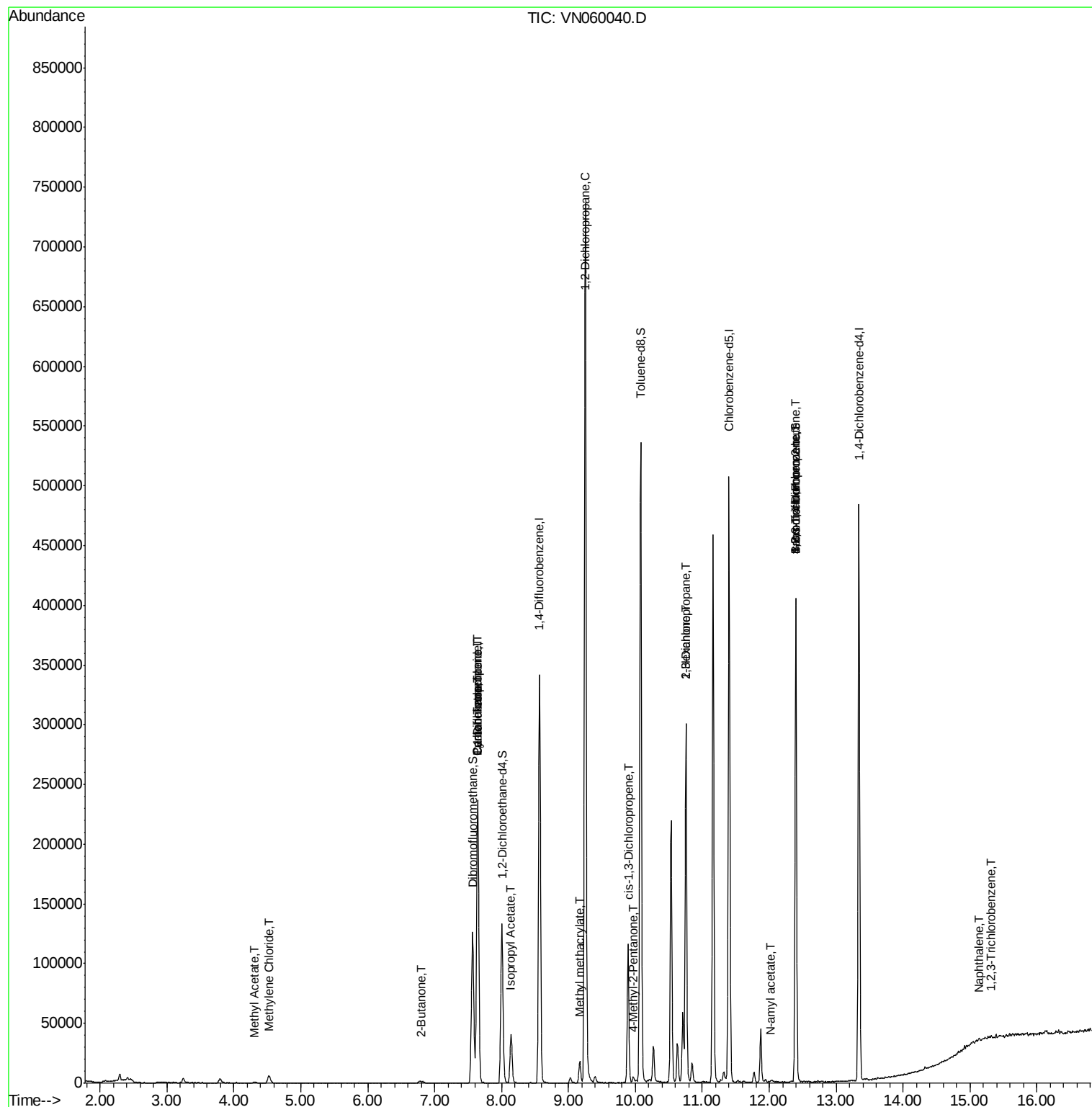
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6811	Below Cal		92
18) Methyl Acetate	4.30	43	1192	0.462	ug/l #	54
20) Methylene Chloride	4.52	84	5420	1.455	ug/l	90
25) 2-Butanone	6.81	43	1460	1.167	ug/l #	50
31) Cyclohexane	7.64	56	3725	1.139	ug/l #	18
36) 1,1-Dichloropropene	7.64	75	13951	5.124	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18625	6.288	ug/l #	16
43) Isopropyl Acetate	8.14	43	49159	11.191	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	798	0.397	ug/l #	44
48) Methyl methacrylate	9.17	41	2703	1.376	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3243	1.277	ug/l	98
54) cis-1,3-Dichloropropene	9.89	75	21683	6.461	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3078	0.954	ug/l #	42
59) 2-Hexanone	10.75	43	43480	23.243	ug/l #	55
71) Bromoform	12.40	173	394	0.221	ug/l #	1
74) N-amyl acetate	12.03	43	1543	0.421	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	69591	32.088	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	69591	68.908	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30	Below Cal	#	6
95) Naphthalene	15.13	128	1436	0.204	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.31	180	483	0.201	ug/l #	39

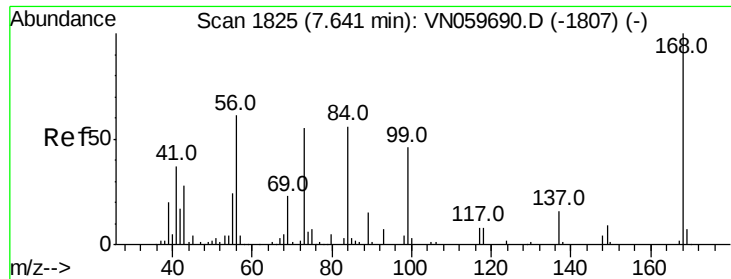
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021020\
Data File : VN060040.D
Acq On : 10 Feb 2020 12:54
Operator : JC/MD
Sample : L1438-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Feb 11 07:08:05 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: VN060040.D

Acq: 10 Feb 2020 12:54

Instrument :

MSVOA_N

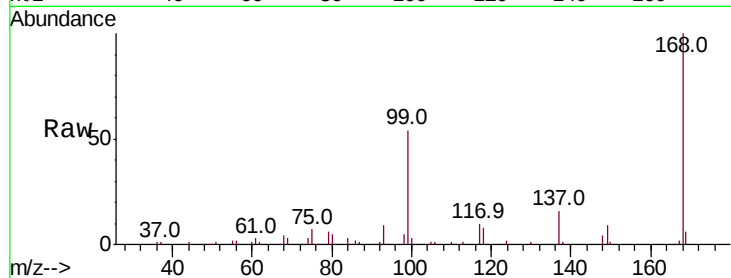
ClientSampled :

Tot Ion:168 Resp: 198959

Ion Ratio Lower Upper

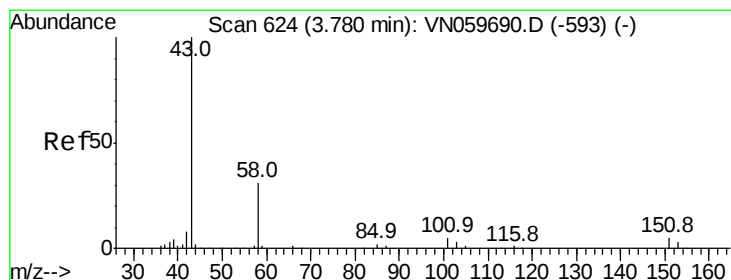
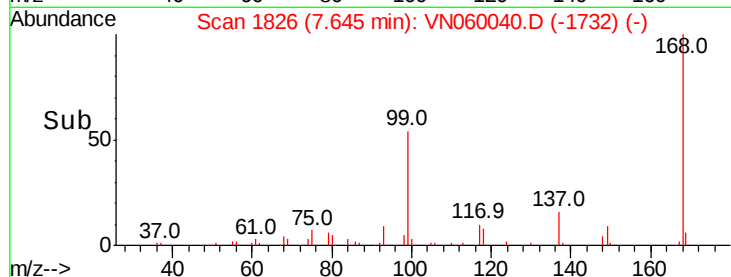
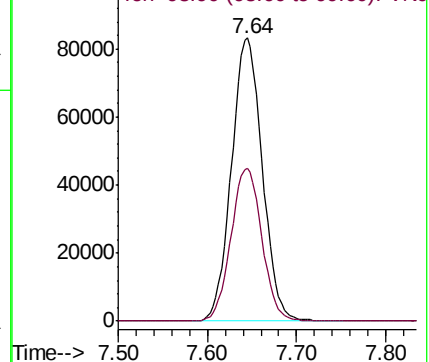
168 100

99 54.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060040.D

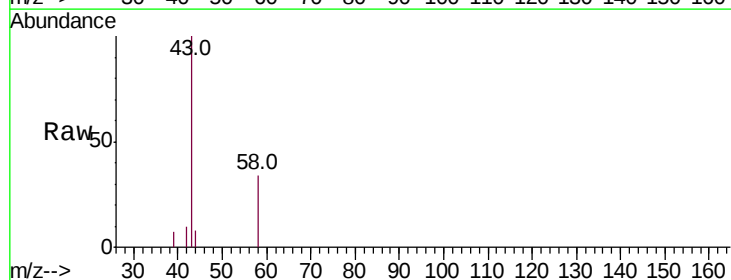
Acq: 10 Feb 2020 12:54

Tgt Ion: 43 Resp: 6811

Ion Ratio Lower Upper

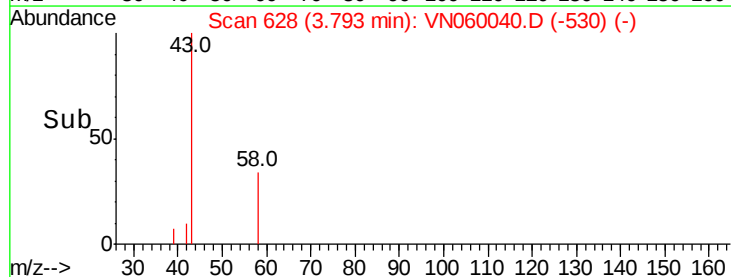
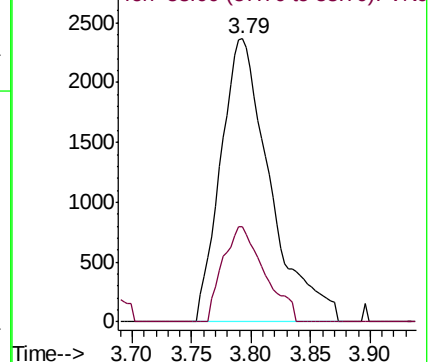
43 100

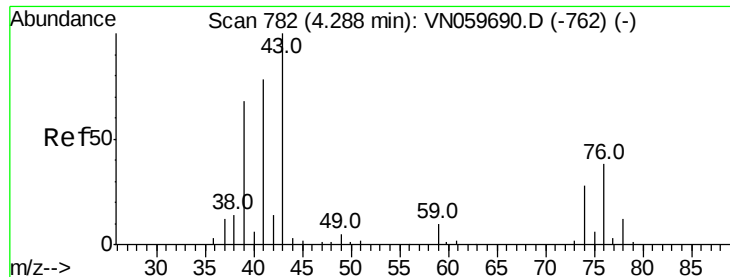
58 33.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

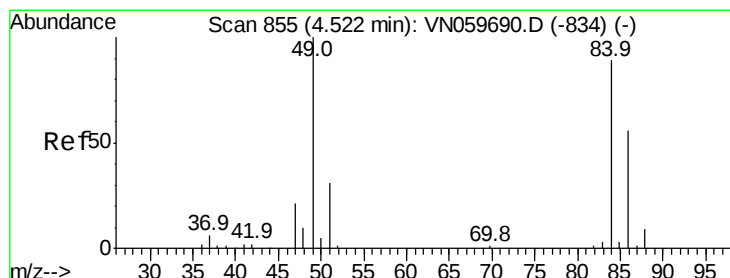
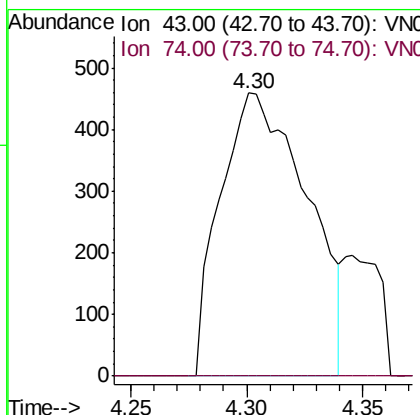
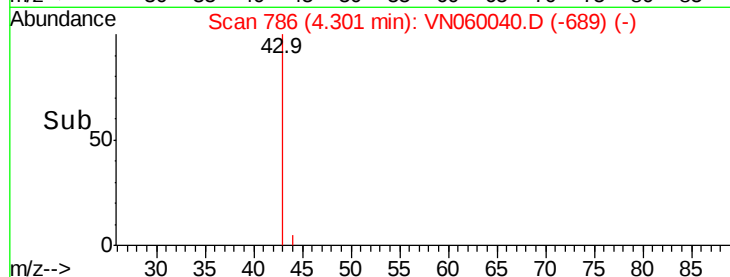
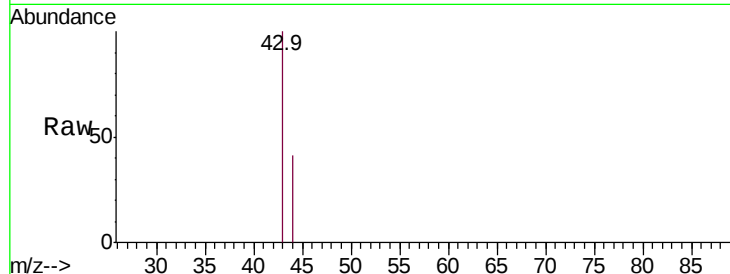




#18
Methyl Acetate
Concen: 0.462 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060040.D
Acq: 10 Feb 2020 12:54

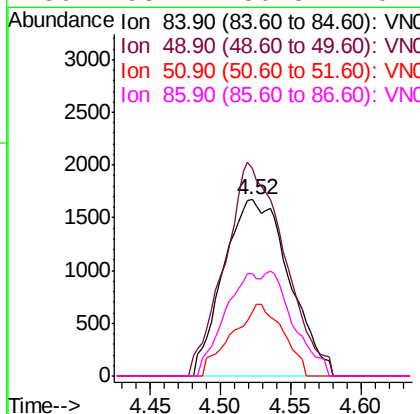
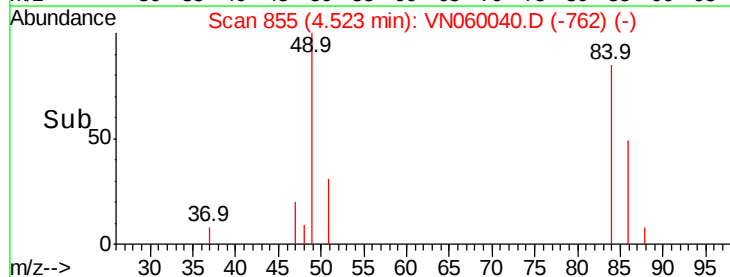
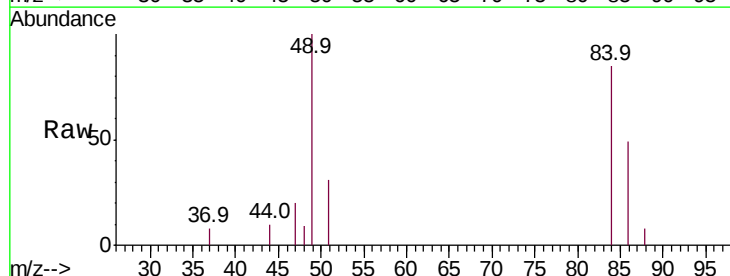
Instrument :
MSVOA_N
ClientSampled :

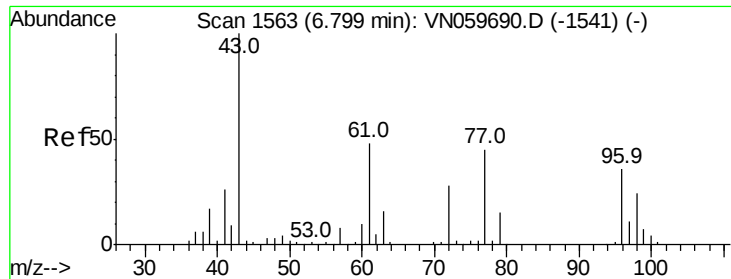
Tot Ion: 43 Resp: 1192
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.455 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060040.D
Acq: 10 Feb 2020 12:54

Tgt Ion: 84 Resp: 5420
Ion Ratio Lower Upper
84 100
49 117.6 106.6 160.0
51 36.5 31.9 47.9
86 58.1 50.8 76.2





#25

2-Butanone

Concen: 1.167 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN060040.D

Acq: 10 Feb 2020 12:54

Instrument :

MSVOA_N

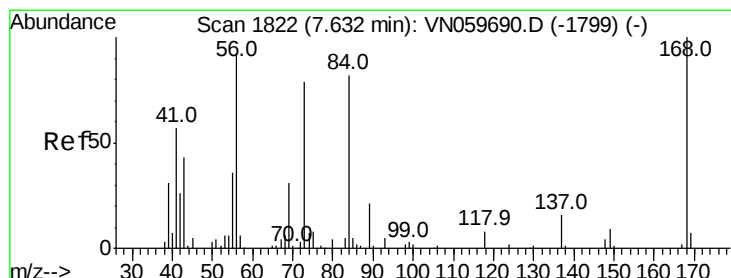
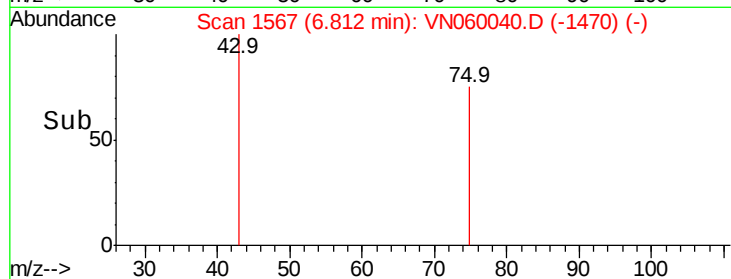
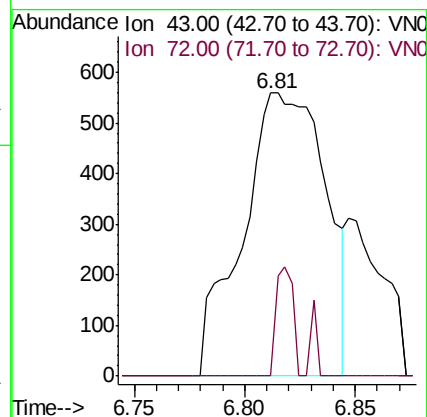
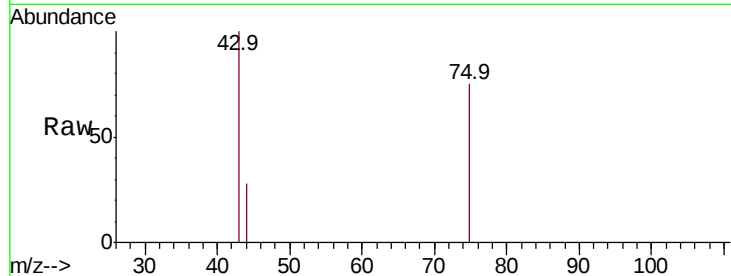
ClientSampleId :

Tot Ion: 43 Resp: 1460

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



#31

Cyclohexane

Concen: 1.139 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060040.D

Acq: 10 Feb 2020 12:54

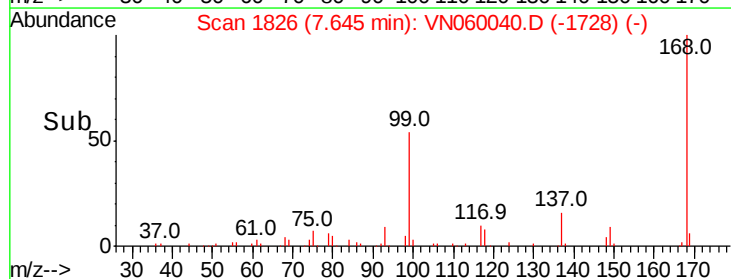
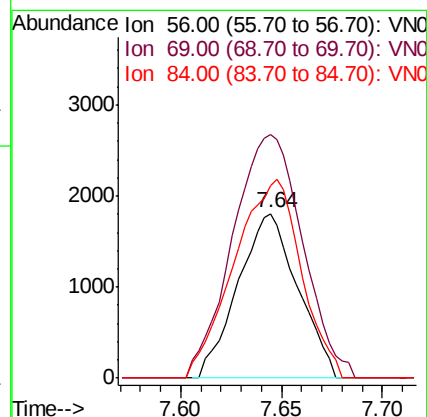
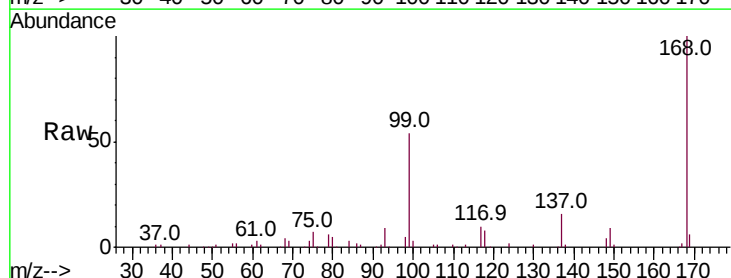
Tgt Ion: 56 Resp: 3725

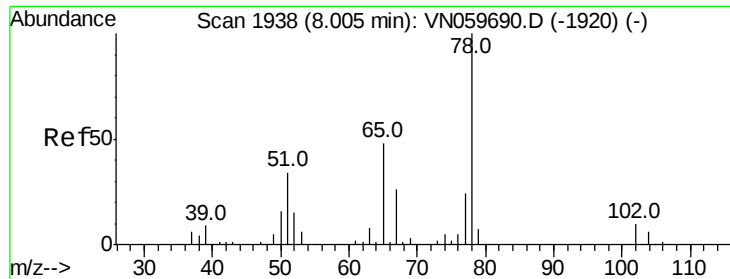
Ion Ratio Lower Upper

56 100

69 137.5 26.5 39.7#

84 117.3 65.3 97.9#

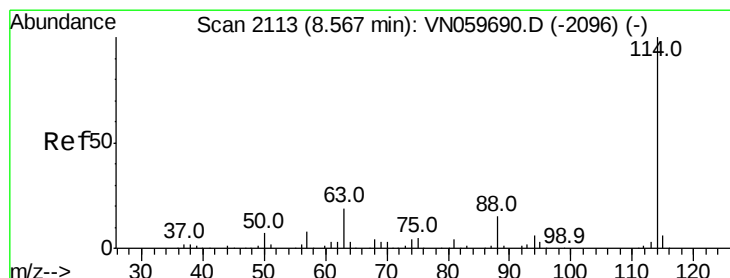
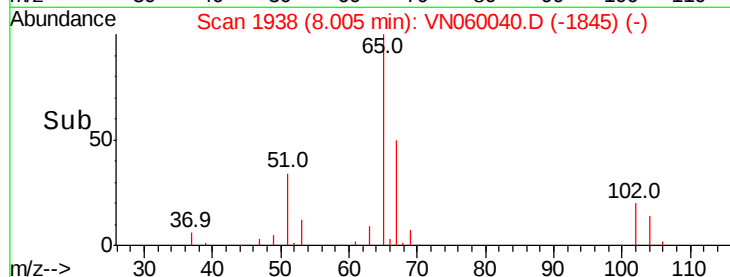
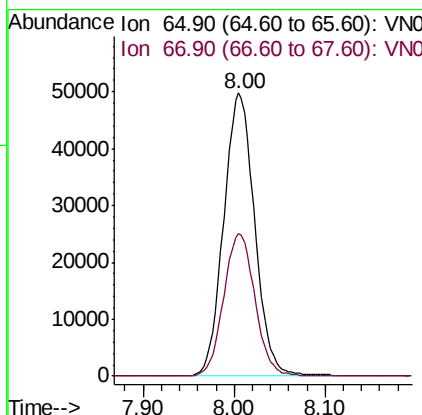
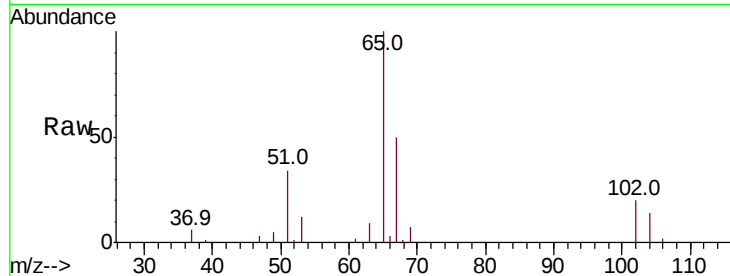




#33
 1,2-Dichloroethane-d4
 Concen: 53.291 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060040.D
 Acq: 10 Feb 2020 12:54

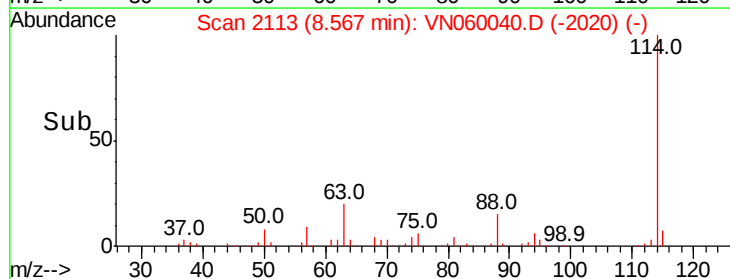
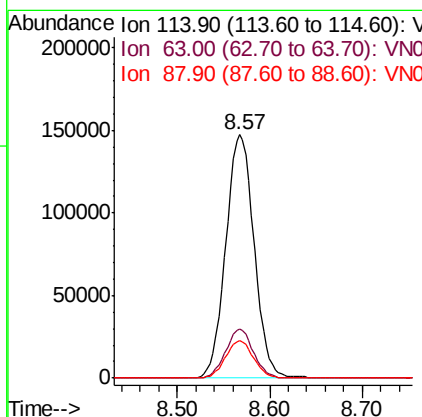
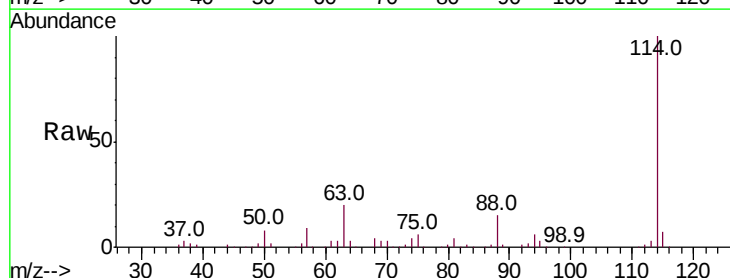
Instrument :
 MSVOA_N
 ClientSampled :

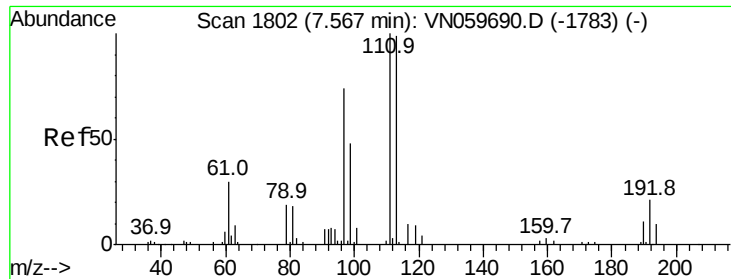
Tot Ion: 65 Resp: 117746
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060040.D
 Acq: 10 Feb 2020 12:54

Tgt Ion: 114 Resp: 312668
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.6
 88 15.4 0.0 31.4

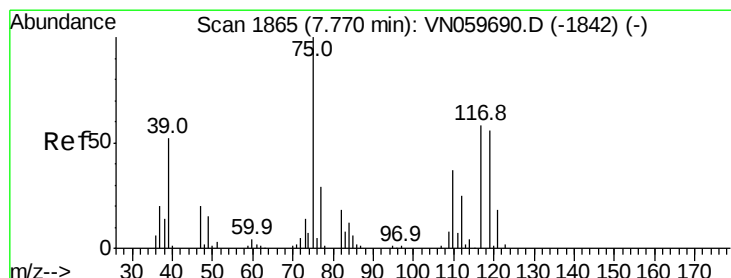
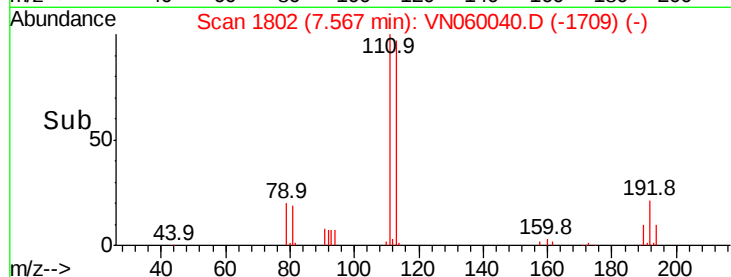
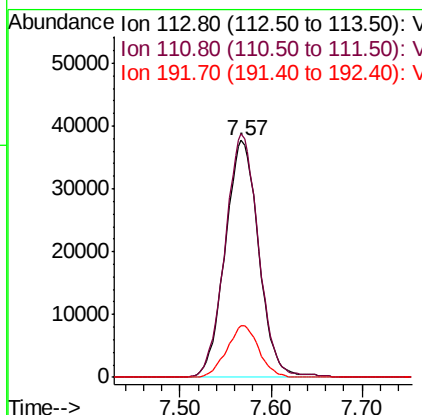
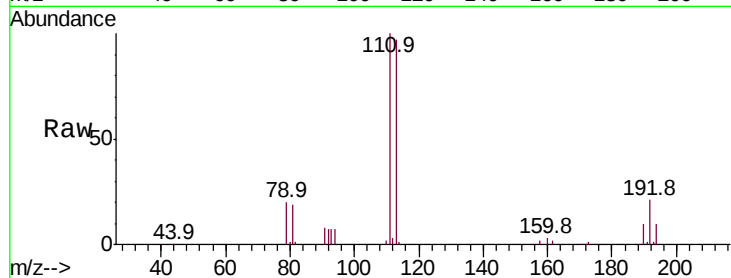




#35
 Dibromofluoromethane
 Concen: 51.736 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060040.D
 Acq: 10 Feb 2020 12:54

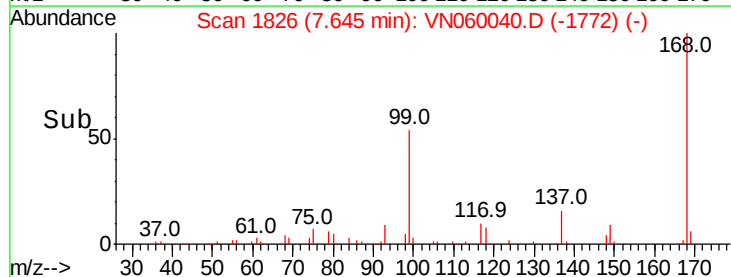
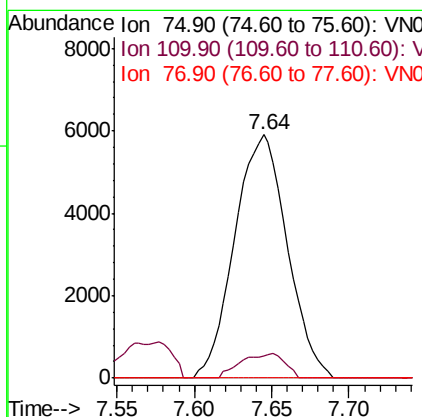
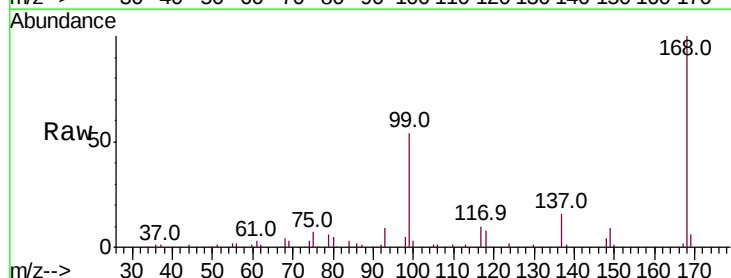
Instrument :
 MSVOA_N
 ClientSampled :

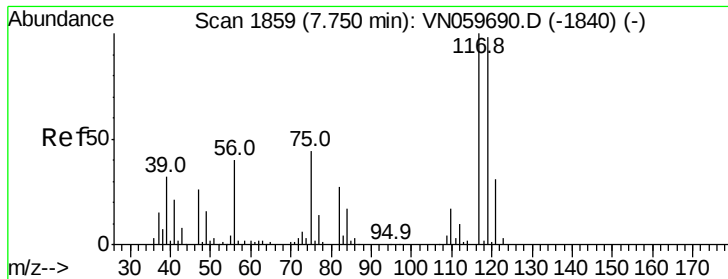
Tot Ion:113 Resp: 96466
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.5 125.3
 192 20.9 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.124 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060040.D
 Acq: 10 Feb 2020 12:54

Tgt Ion: 75 Resp: 13951
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.6 49.7#
 77 0.0 25.1 37.7#

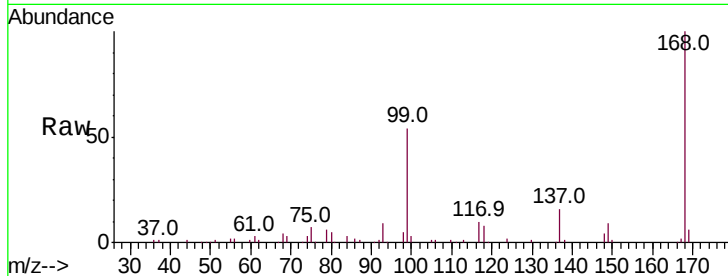




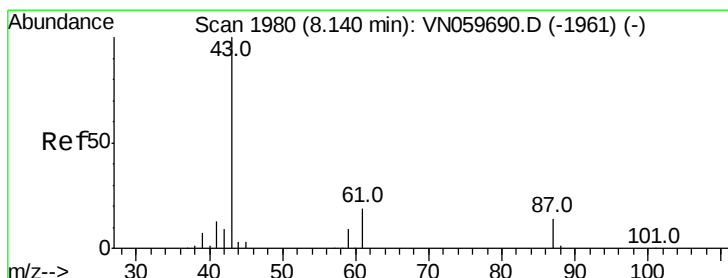
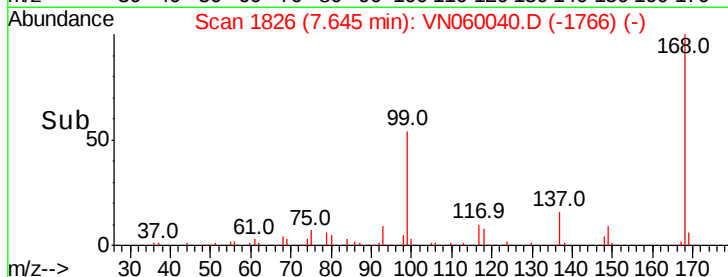
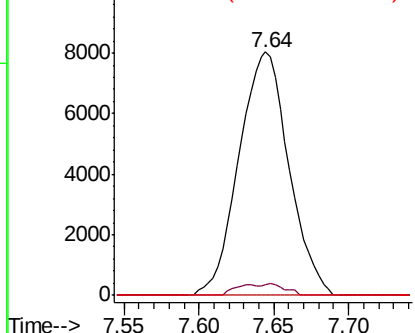
#38
Carbon Tetrachloride
Concen: 6.288 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060040.D
Acq: 10 Feb 2020 12:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 18625
Ion Ratio Lower Upper
117 100
119 4.4 76.5 114.7#
121 0.0 25.1 37.7#

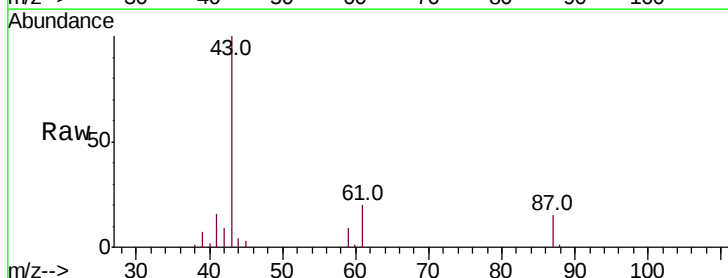


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

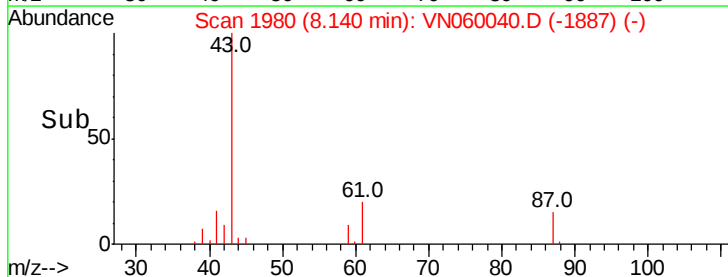
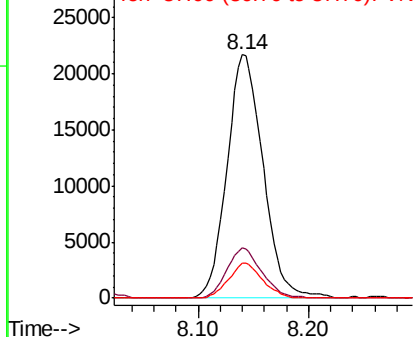


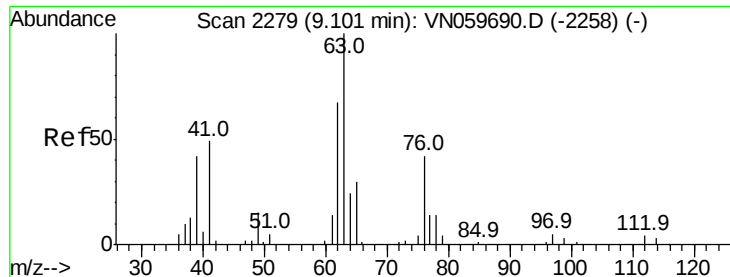
#43
Isopropyl Acetate
Concen: 11.191 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060040.D
Acq: 10 Feb 2020 12:54

Tgt Ion: 43 Resp: 49159
Ion Ratio Lower Upper
43 100
61 19.9 20.2 30.2#
87 13.4 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

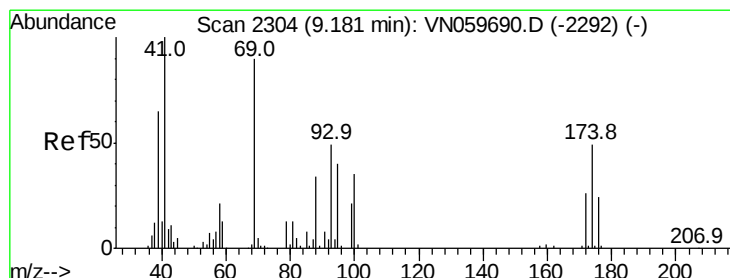
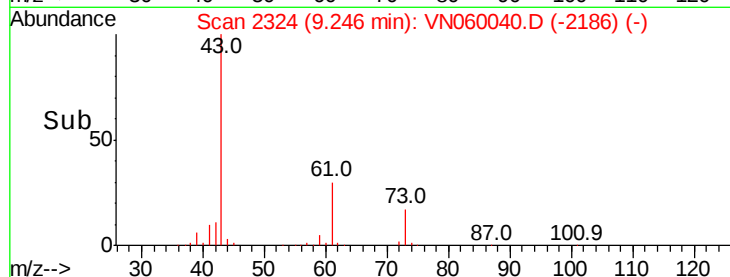
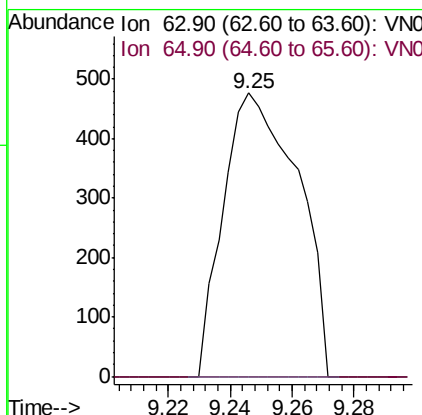
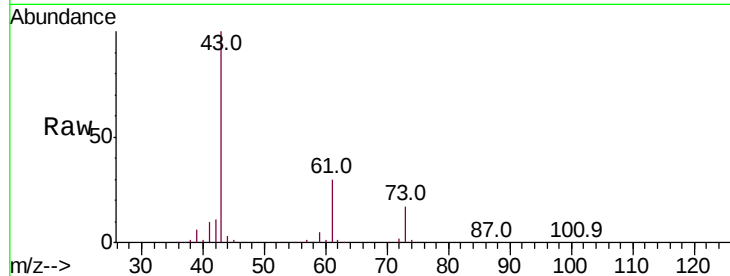




#45
 1,2-Dichloropropane
 Concen: 0.397 ug/l
 RT: 9.25 min Scan# 2324
 Delta R.T. 0.14 min
 Lab File: VN060040.D
 Acq: 10 Feb 2020 12:54

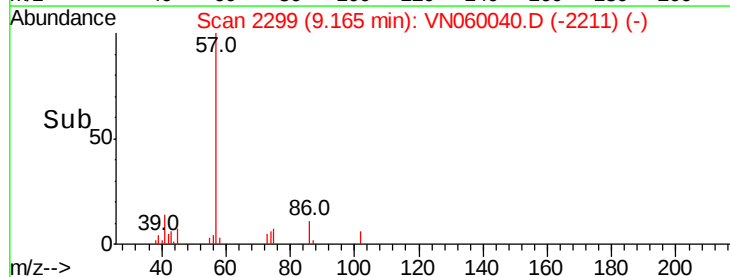
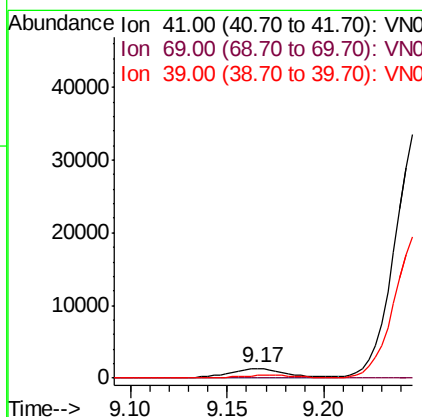
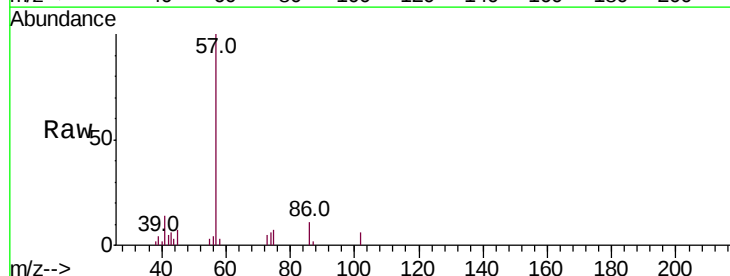
Instrument :
 MSVOA_N
 ClientSampled :

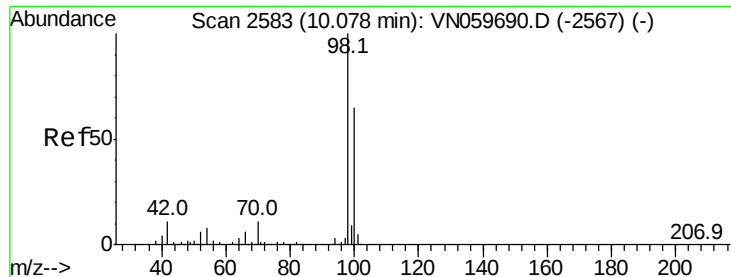
Tot Ion: 63 Resp: 798
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.376 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: VN060040.D
 Acq: 10 Feb 2020 12:54

Tgt Ion: 41 Resp: 2703
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#





#50

Toluene-d8

Concen: 52.303 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060040.D

Acq: 10 Feb 2020 12:54

Instrument :

MSVOA_N

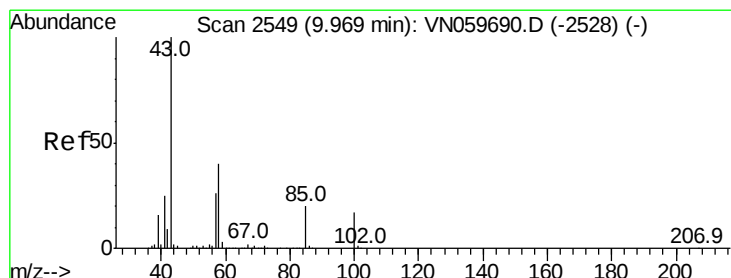
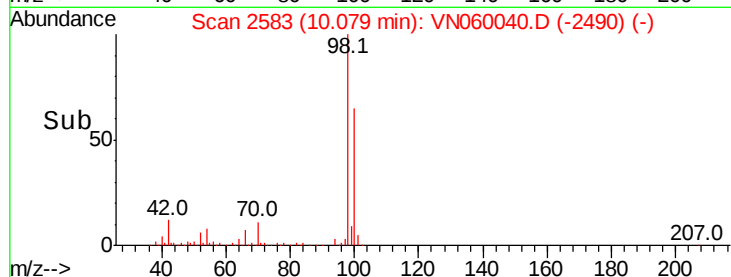
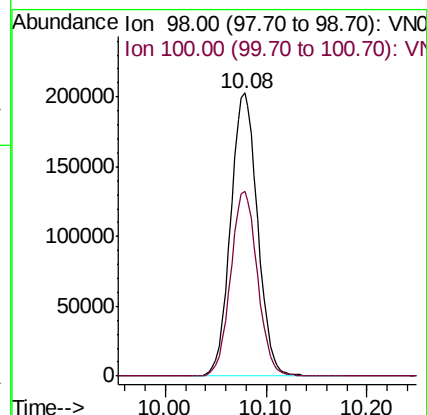
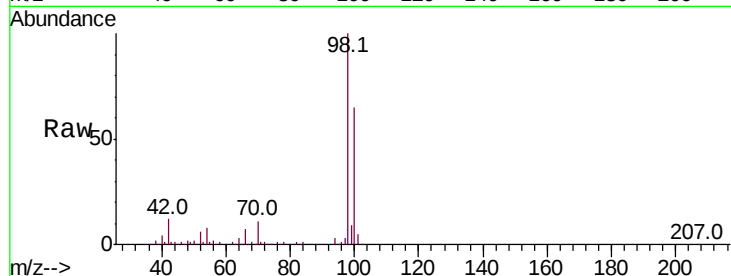
ClientSampled :

Tot Ion: 98 Resp: 377852

Ion Ratio Lower Upper

98 100

100 65.0 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.277 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060040.D

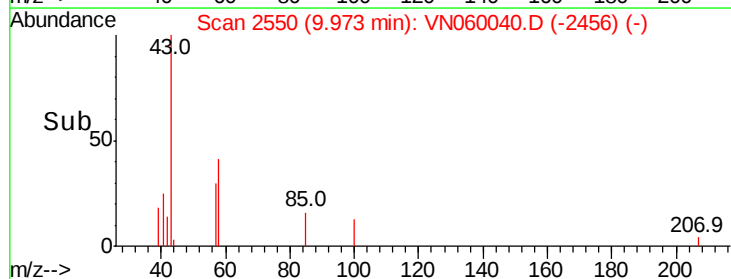
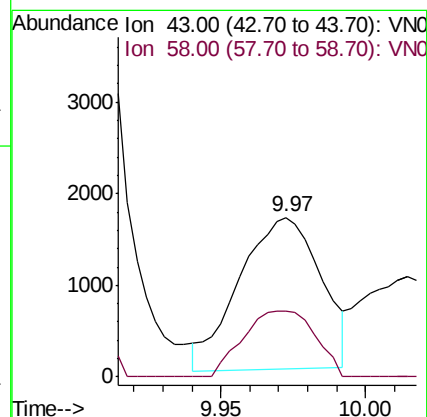
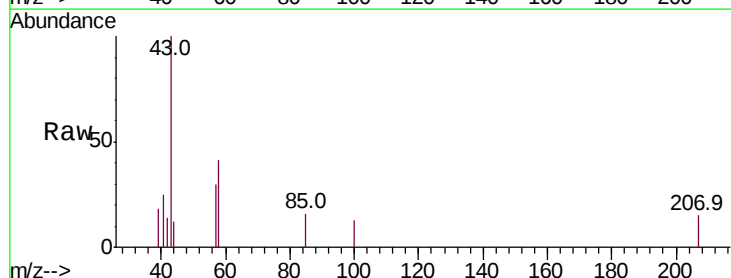
Acq: 10 Feb 2020 12:54

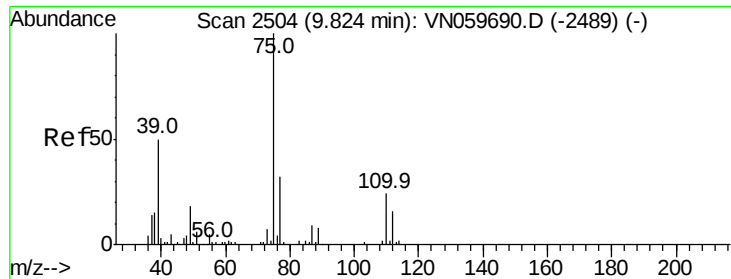
Tgt Ion: 43 Resp: 3243

Ion Ratio Lower Upper

43 100

58 38.3 29.8 44.8





#54

cis-1,3-Dichloropropene

Concen: 6.461 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060040.D

Acq: 10 Feb 2020 12:54

Instrument :
MSVOA_N
ClientSampleId :

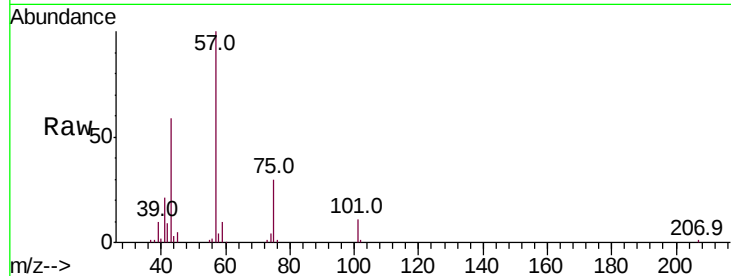
Tot Ion: 75 Resp: 21683

Ion Ratio Lower Upper

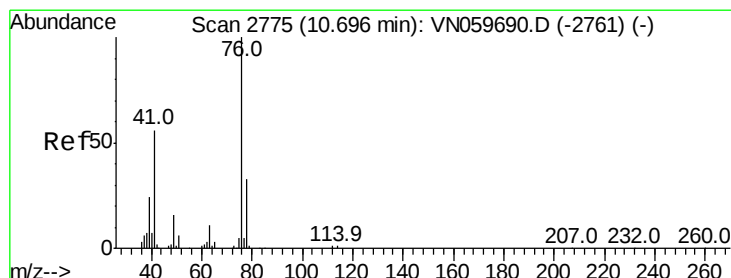
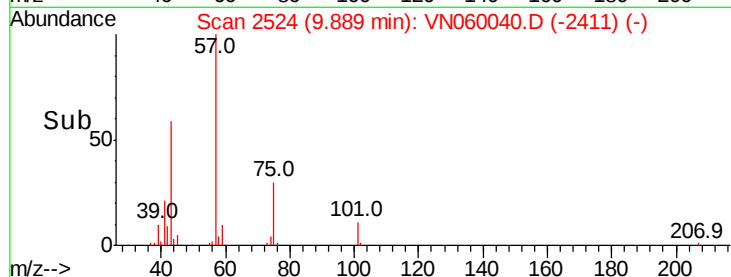
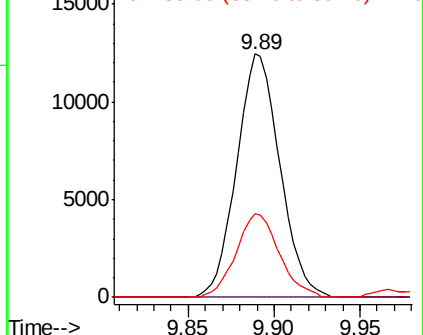
75 100

77 0.0 25.1 37.7#

39 34.2 46.1 69.1#



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



#57

1,3-Dichloropropane

Concen: 0.954 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060040.D

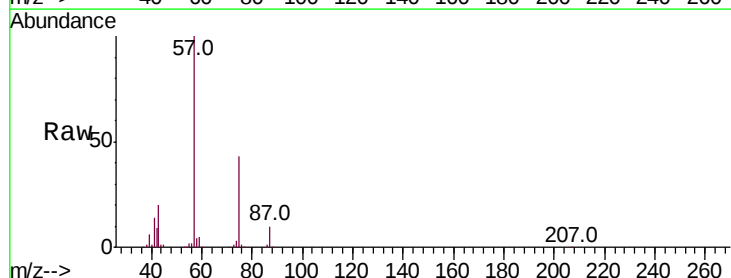
Acq: 10 Feb 2020 12:54

Tgt Ion: 76 Resp: 3078

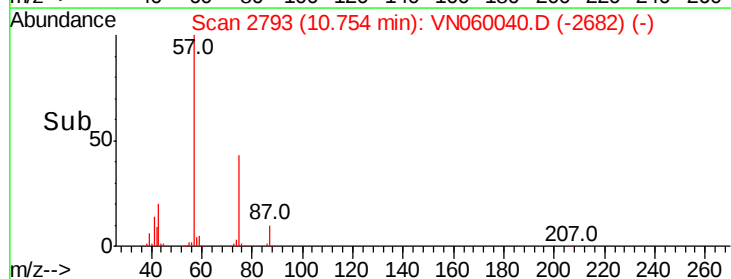
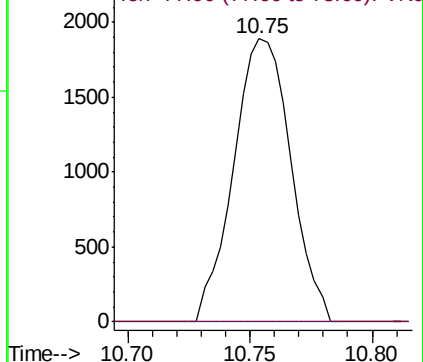
Ion Ratio Lower Upper

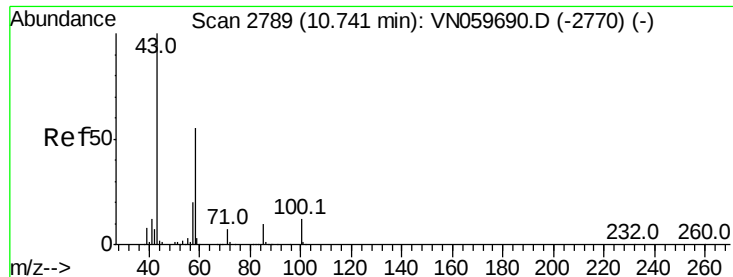
76 100

78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

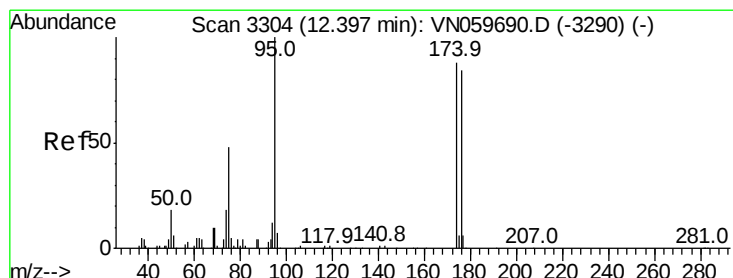
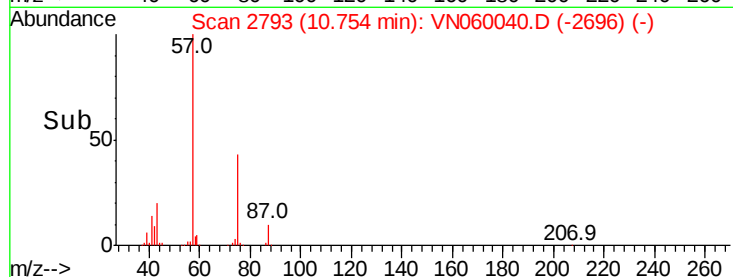
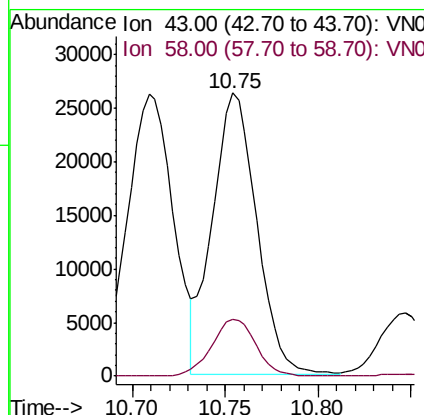
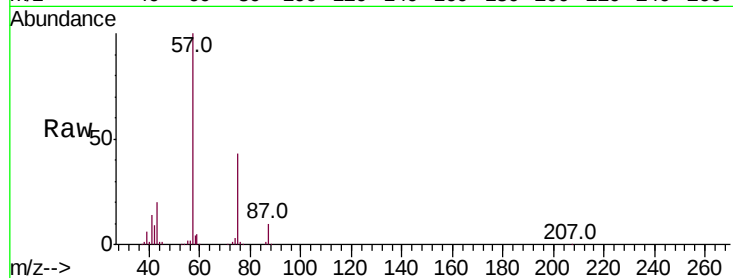




#59
2-Hexanone
Concen: 23.243 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060040.D
Acq: 10 Feb 2020 12:54

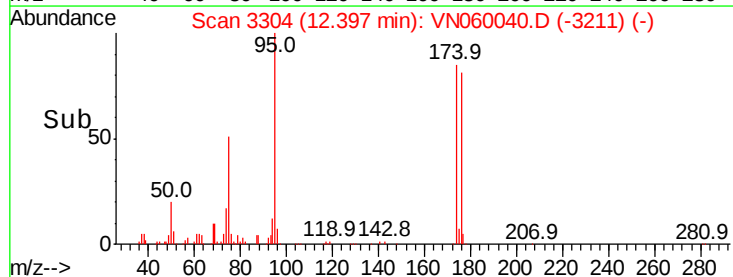
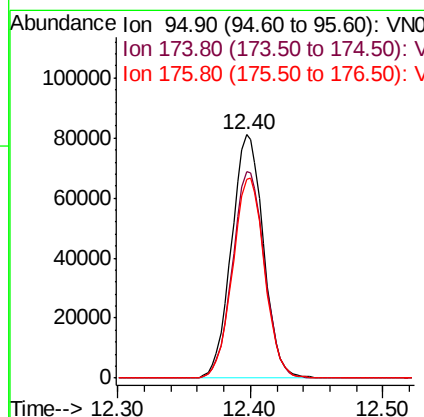
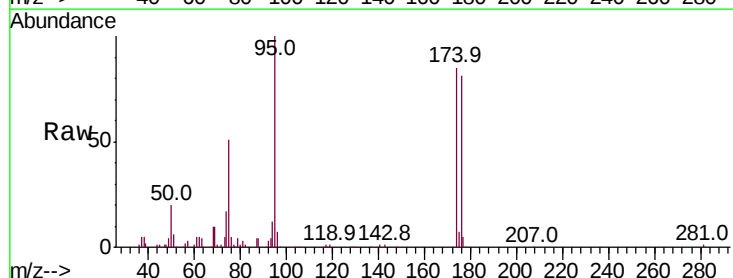
Instrument :
MSVOA_N
ClientSampleId :

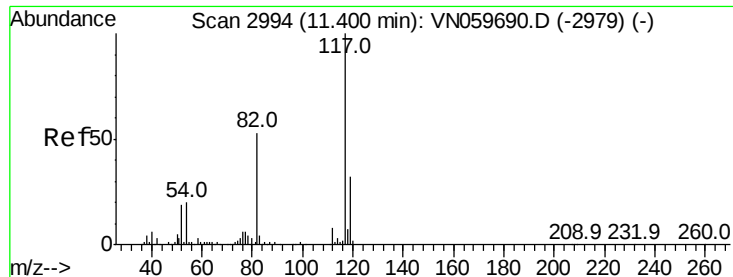
Tot Ion: 43 Resp: 43480
Ion Ratio Lower Upper
43 100
58 20.2 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 52.099 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060040.D
Acq: 10 Feb 2020 12:54

Tgt Ion: 95 Resp: 135683
Ion Ratio Lower Upper
95 100
174 85.0 0.0 151.4
176 82.3 0.0 146.0

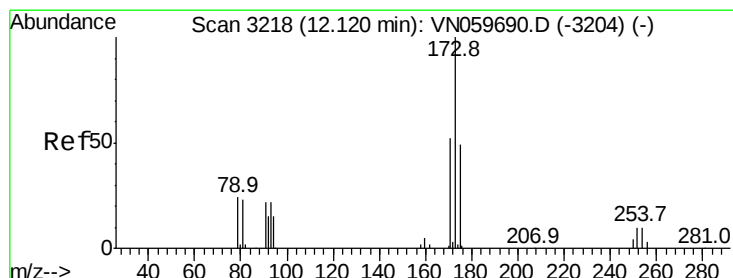
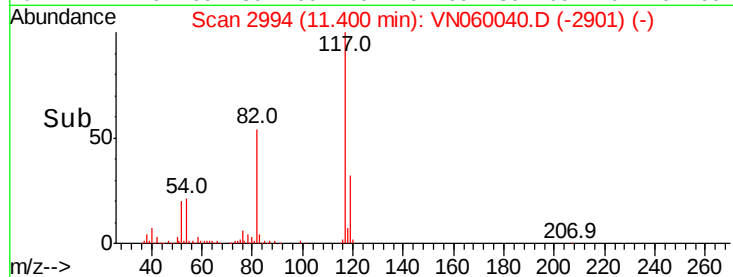
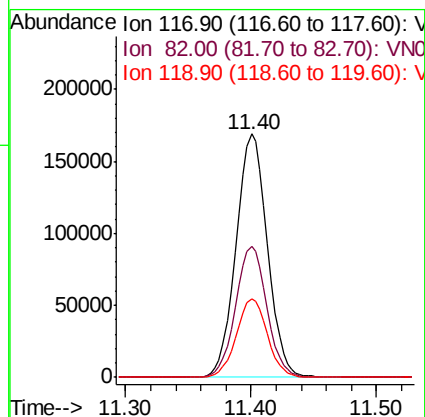
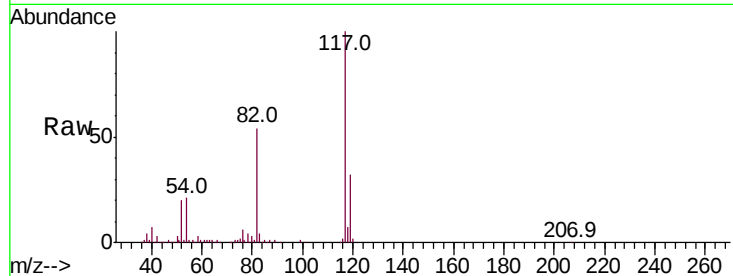




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060040.D
Acq: 10 Feb 2020 12:54

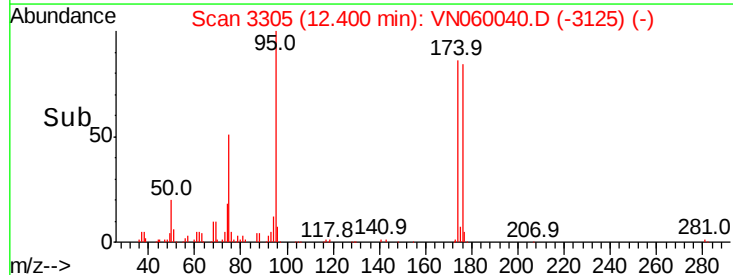
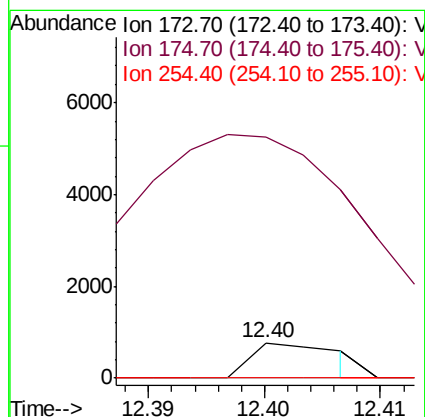
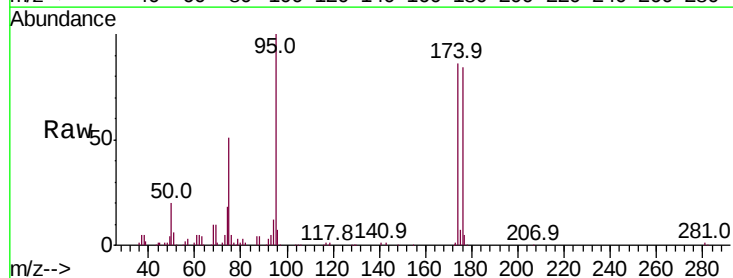
Instrument :
MSVOA_N
ClientSampled :

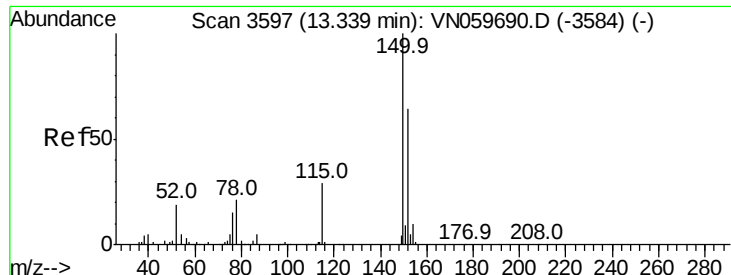
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	45.9	68.9
119	32.3	25.5	38.3



#71
Bromoform
Concen: 0.221 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN060040.D
Acq: 10 Feb 2020 12:54

Tgt Ion	Ratio	Lower	Upper
173	100		
175	1847.0	23.8	71.4#
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060040.D

Acq: 10 Feb 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

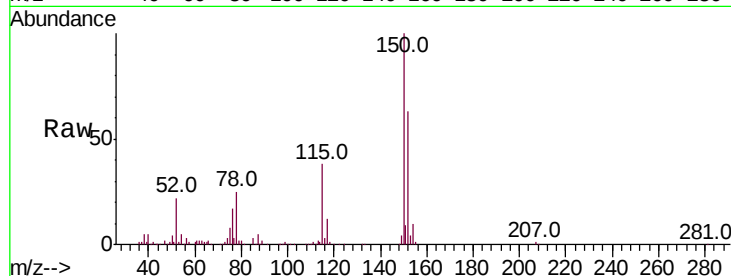
Tot Ion:152 Resp: 128872

Ion Ratio Lower Upper

152 100

115 58.4 30.3 90.9

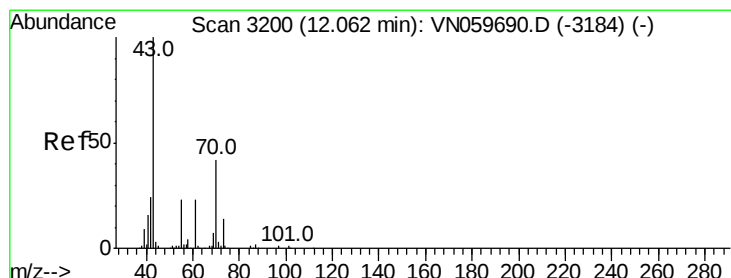
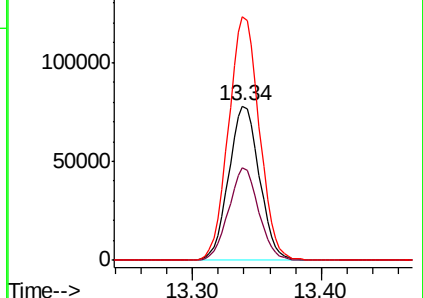
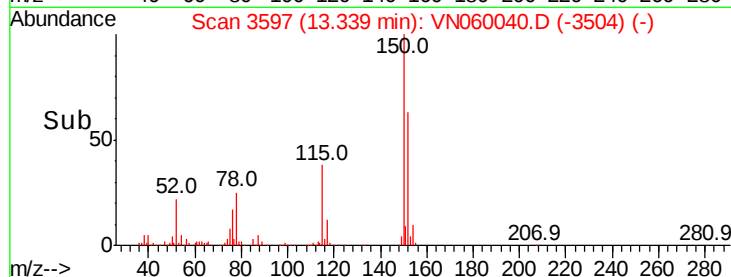
150 157.5 0.0 345.2



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-ethyl acetate

Concen: 0.421 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN060040.D

Acq: 10 Feb 2020 12:54

Tgt Ion: 43 Resp: 1543

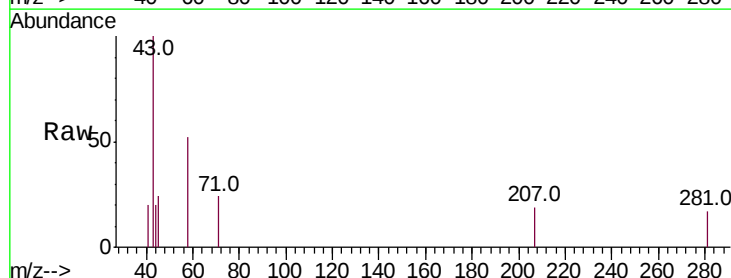
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

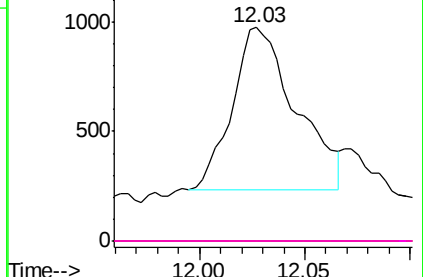
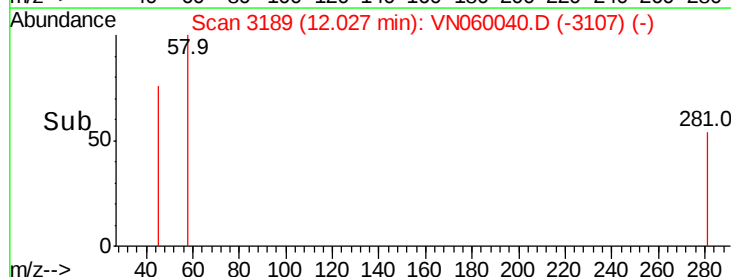


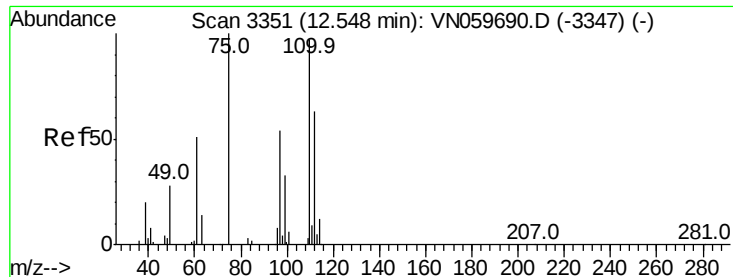
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 32.088 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060040.D

Acq: 10 Feb 2020 12:54

Instrument :

MSVOA_N

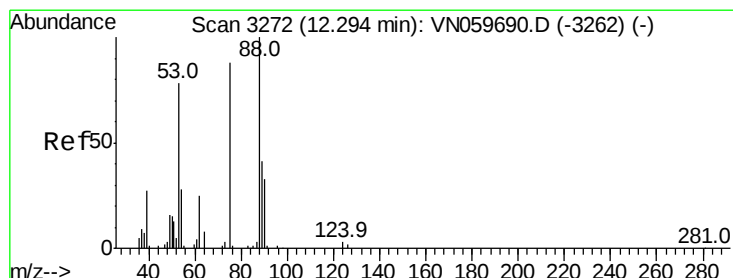
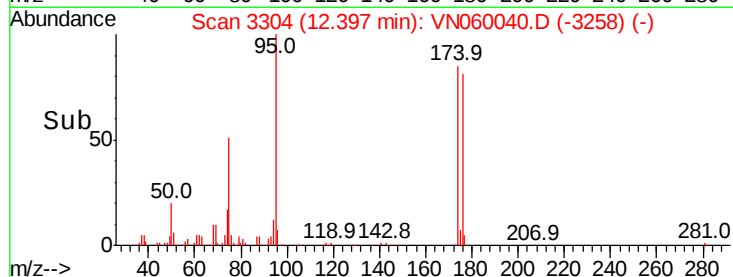
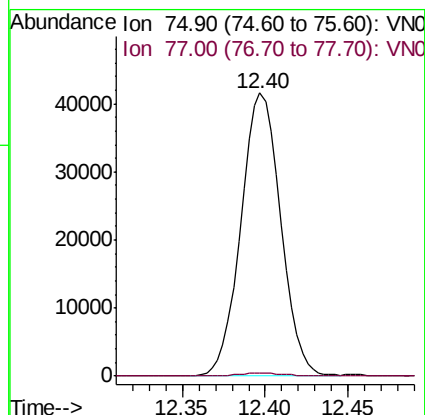
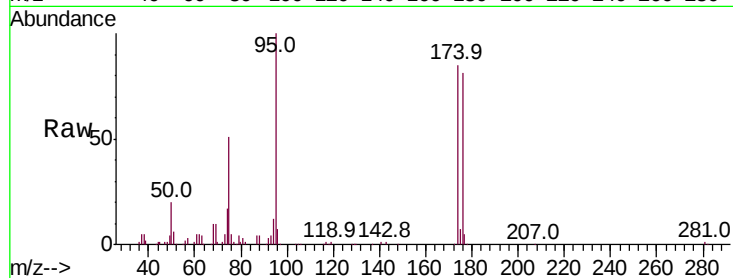
ClientSampled :

Tot Ion: 75 Resp: 69591

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.908 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060040.D

Acq: 10 Feb 2020 12:54

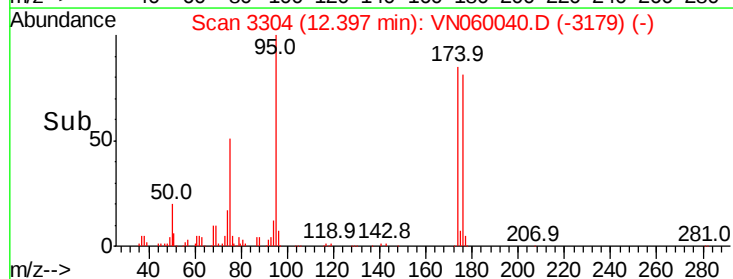
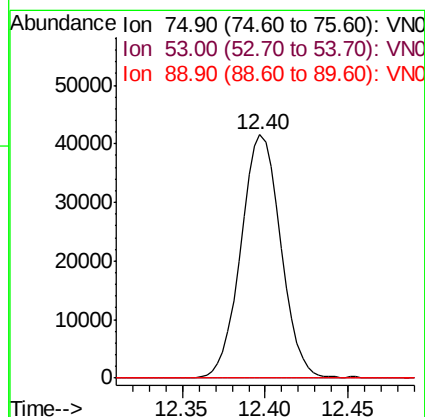
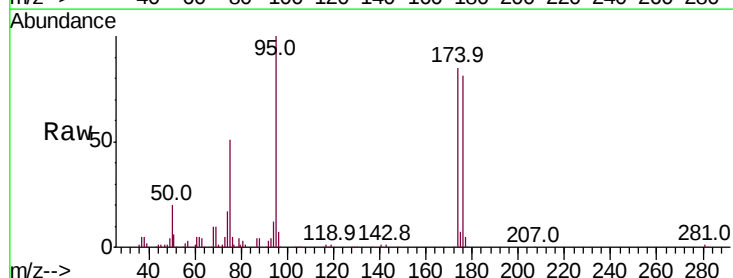
Tgt Ion: 75 Resp: 69591

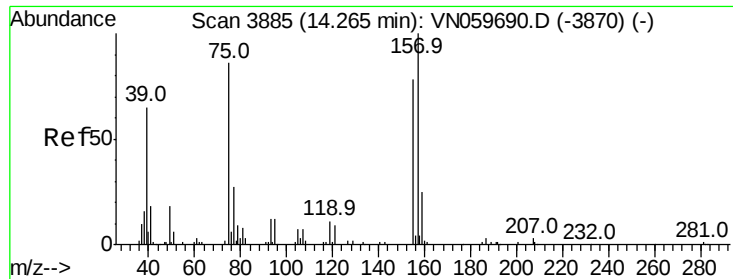
Ion Ratio Lower Upper

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# 3882

Delta R.T. -0.01 min

Lab File: VN060040.D

Acq: 10 Feb 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

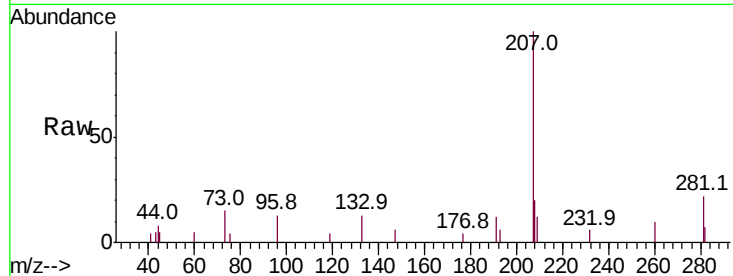
Tot Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

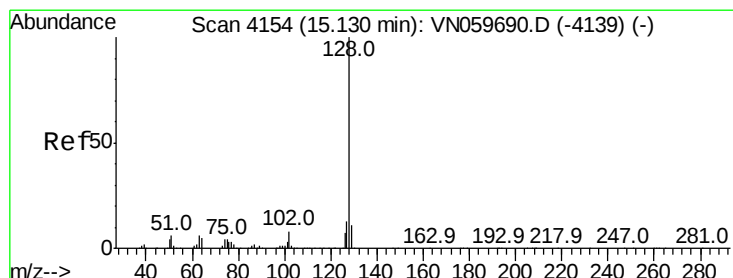
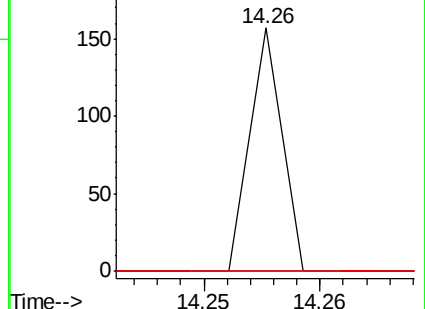
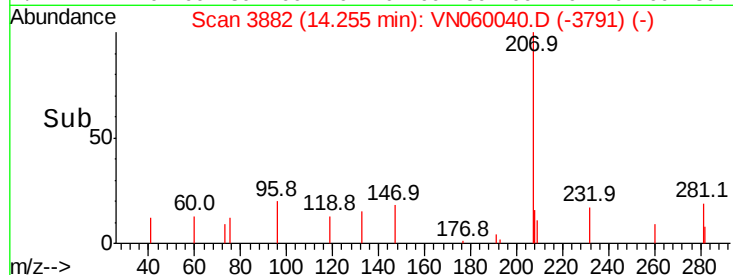
157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060040.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060040.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060040.D (-3791) (-)



#95

Naphthalene

Concen: 0.204 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060040.D

Acq: 10 Feb 2020 12:54

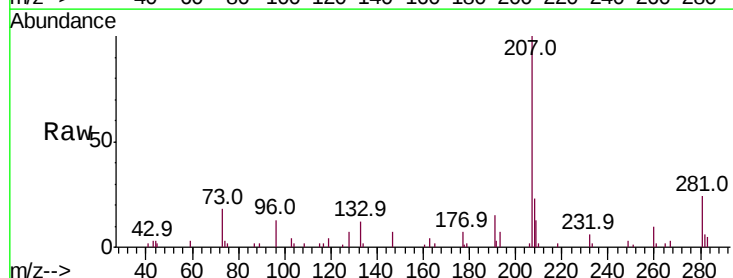
Tgt Ion: 128 Resp: 1436

Ion Ratio Lower Upper

128 100

127 2.2 10.4 15.6#

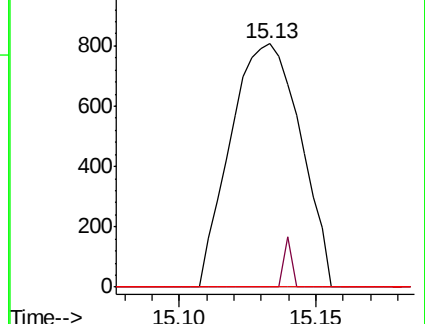
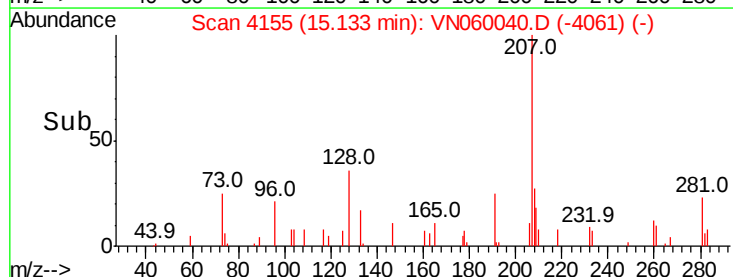
129 0.0 8.6 12.8#

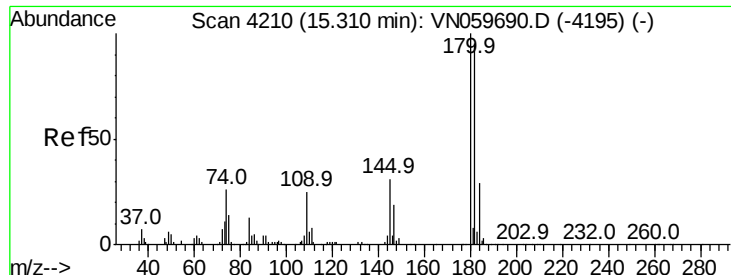


Abundance Ion 128.00 (127.70 to 128.70): VN060040.D (-4061) (-)

Ion 127.00 (126.70 to 127.70): VN060040.D (-4061) (-)

Ion 129.00 (128.70 to 129.70): VN060040.D (-4061) (-)





#96
 1,2,3-Trichlorobenzene
 Concen: 0.201 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060040.D
 Acq: 10 Feb 2020 12:54

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	30.2	47.4	142.3#
145	6.6	16.3	48.9#

