

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\
 Data File : VN060837.D
 Acq On : 2 Apr 2020 21:13
 Operator : JC/MD
 Sample : L2122-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 03 07:46:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	190592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	323069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	303159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141351	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	125588	48.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.00%	
35) Dibromofluoromethane	7.57	113	96226	49.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.52%	
50) Toluene-d8	10.08	98	398426	49.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.40	95	149283	51.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.10%	

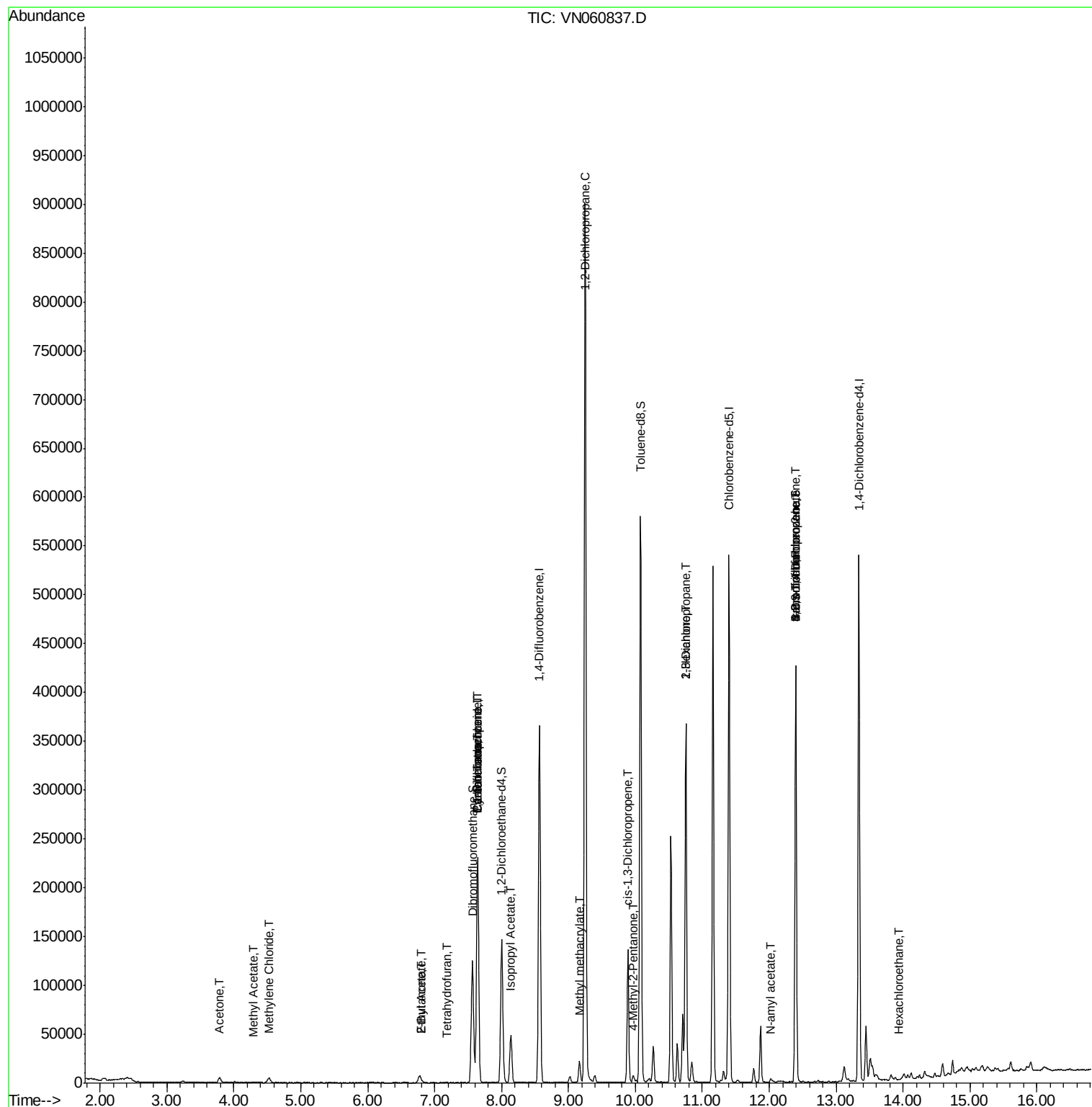
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	8659	9.343	ug/l	93
18) Methyl Acetate	4.29	43	2040	0.782	ug/l #	57
20) Methylene Chloride	4.53	84	4110	1.803	ug/l	90
25) 2-Butanone	6.80	43	1564	1.043	ug/l #	50
29) Tetrahydrofuran	7.19	42	304	0.286	ug/l #	35
31) Cyclohexane	7.64	56	4124	0.979	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15390	4.920	ug/l #	50
37) Ethyl Acetate	6.80	43	1564	0.463	ug/l #	70
38) Carbon Tetrachloride	7.64	117	18061	6.442	ug/l #	17
43) Isopropyl Acetate	8.14	43	59581	10.688	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1122	0.450	ug/l #	43
48) Methyl methacrylate	9.16	41	3593	1.448	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	5502	1.734	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	23917	6.063	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	3771	0.990	ug/l #	42
59) 2-Hexanone	10.75	43	55185	24.150	ug/l #	51
71) Bromoform	12.40	173	715	2.063	ug/l #	1
74) N-amyl acetate	12.02	43	3036	0.619	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	75352	24.705	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75352	63.450	ug/l #	13
90) Hexachloroethane	13.94	117	431	0.329	ug/l #	8

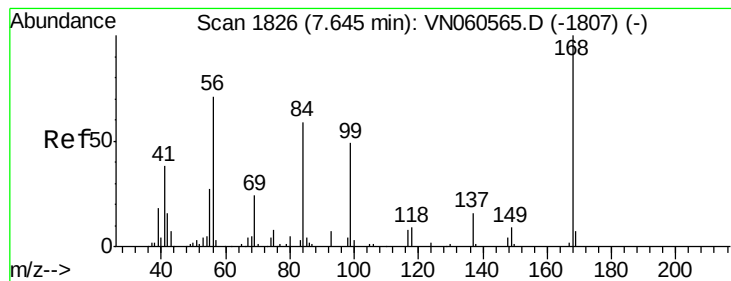
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040220\
Data File : VN060837.D
Acq On : 2 Apr 2020 21:13
Operator : JC/MD
Sample : L2122-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 03 07:46:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 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: VN060837.D

Acq: 2 Apr 2020 21:13

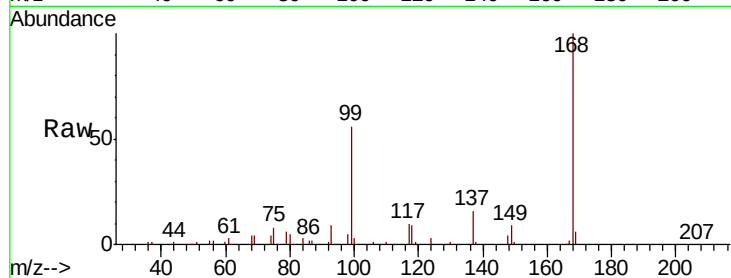
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 190592

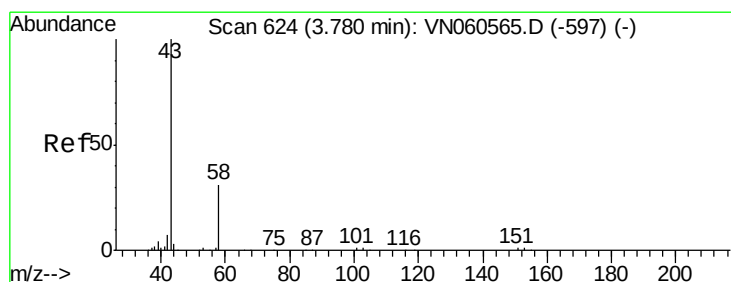
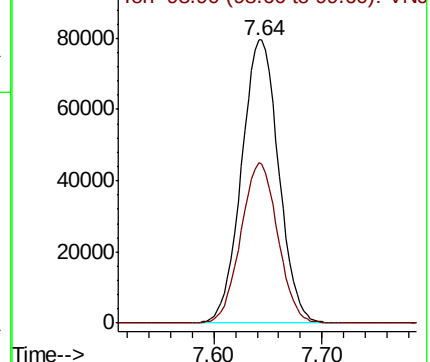
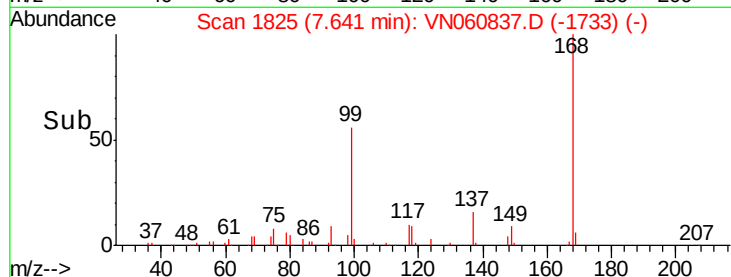
Ion Ratio Lower Upper

168 100

99 56.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060837.D (-1733) (-)



#16

Acetone

Concen: 9.343 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060837.D

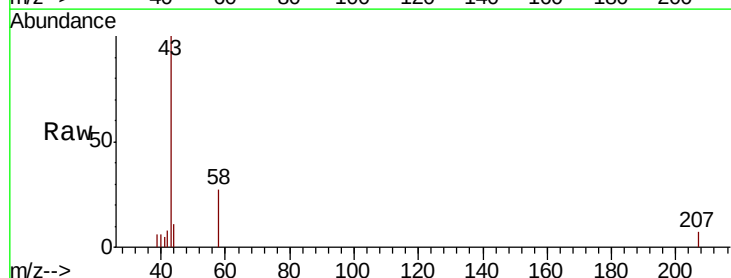
Acq: 2 Apr 2020 21:13

Tgt Ion: 43 Resp: 8659

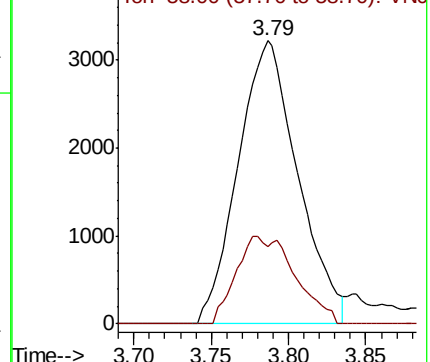
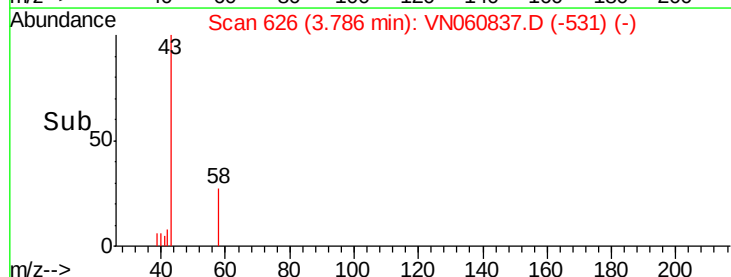
Ion Ratio Lower Upper

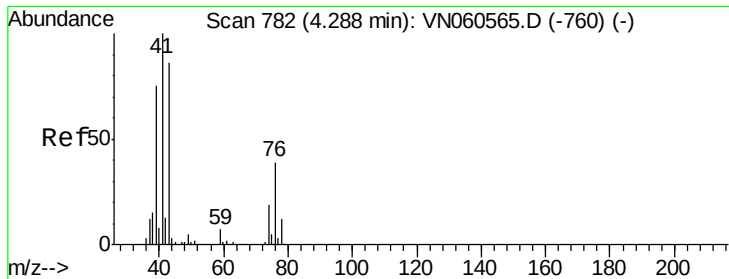
43 100

58 27.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060837.D (-531) (-)

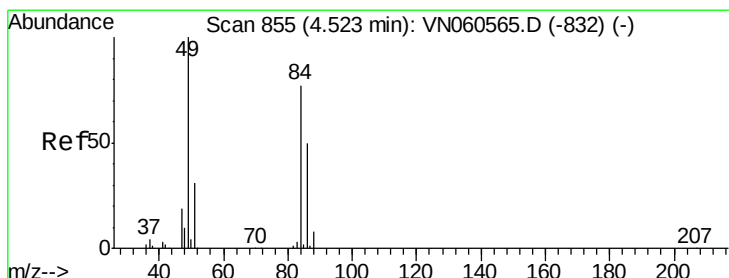
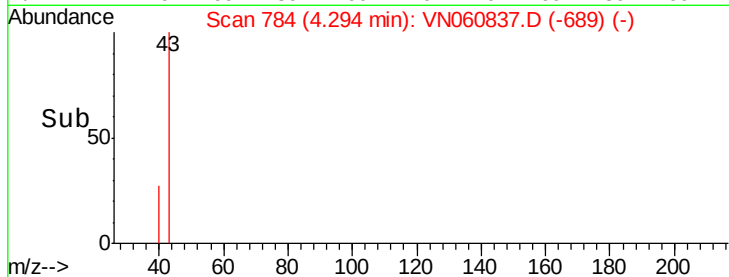
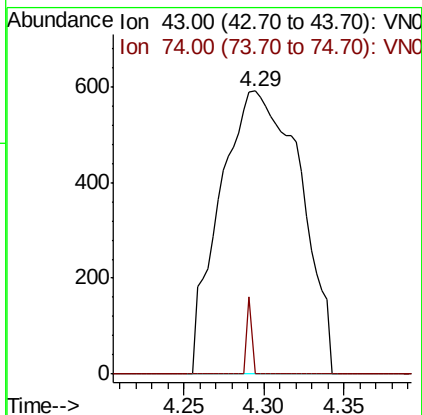
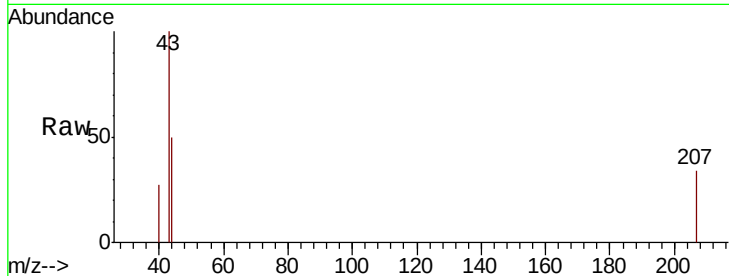




#18
Methvl Acetate
Concen: 0.782 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060837.D
Acq: 2 Apr 2020 21:13

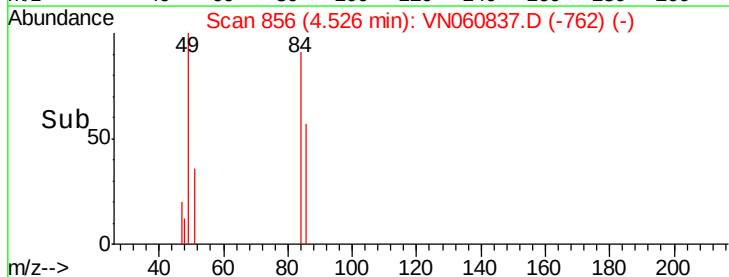
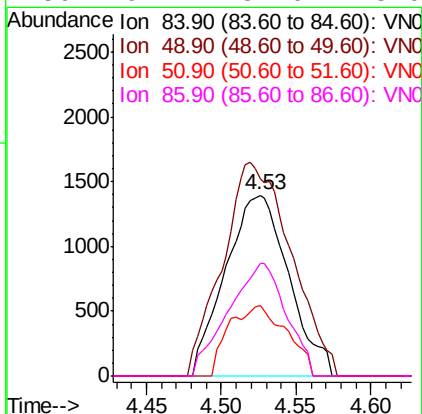
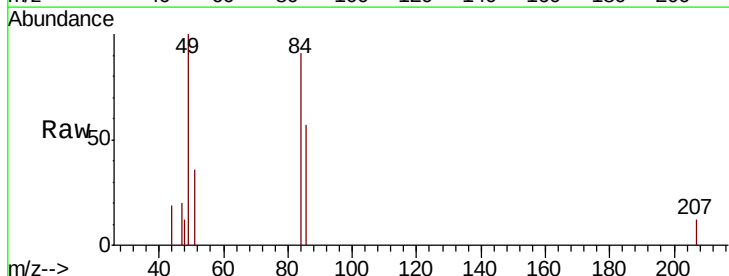
Instrument :
MSVOA_N
ClientSampleId :

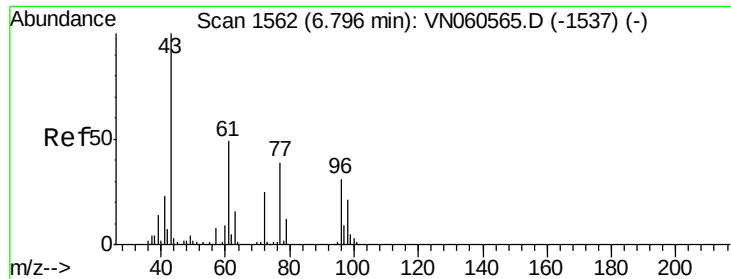
Tot Ion: 43 Resp: 2040
Ion Ratio Lower Upper
43 100
74 1.5 17.5 26.3#



#20
Methylene Chloride
Concen: 1.803 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060837.D
Acq: 2 Apr 2020 21:13

Tgt Ion: 84 Resp: 4110
Ion Ratio Lower Upper
84 100
49 109.3 103.3 154.9
51 39.1 31.6 47.4
86 62.4 52.0 78.0





#25

2-Butanone

Concen: 1.043 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN060837.D

Acq: 2 Apr 2020 21:13

Instrument :

MSVOA_N

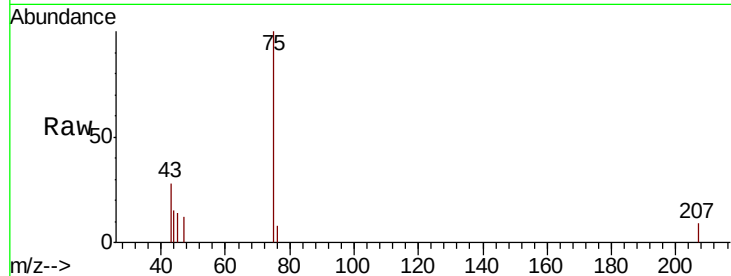
ClientSampleId :

Tot Ion: 43 Resp: 1564

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.80

600

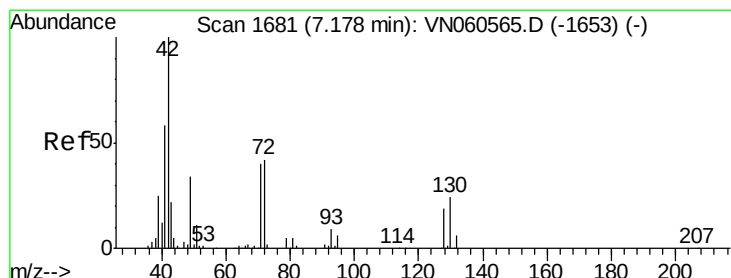
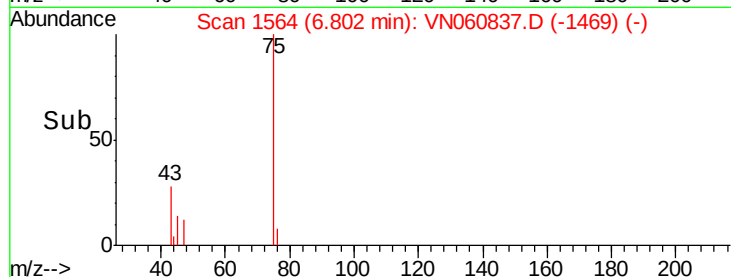
400

200

0

6.75 6.80 6.85

Time-->



#29

Tetrahydrofuran

Concen: 0.286 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN060837.D

Acq: 2 Apr 2020 21:13

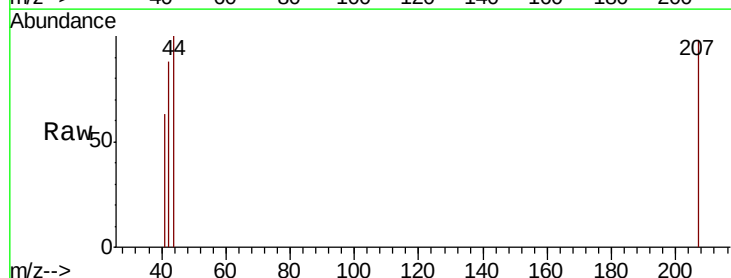
Tgt Ion: 42 Resp: 304

Ion Ratio Lower Upper

42 100

72 0.0 33.2 49.8#

71 0.0 31.1 46.7#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

300

250

200

150

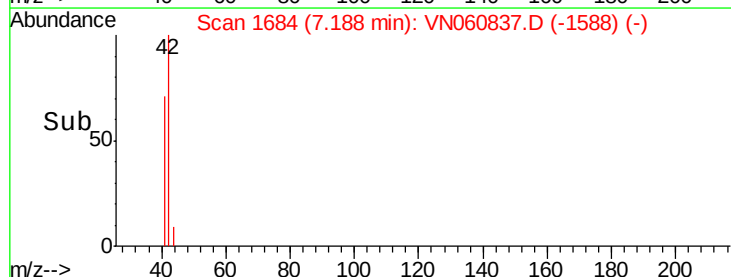
100

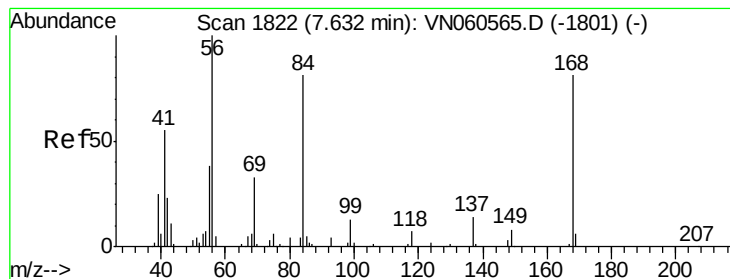
50

0

7.16 7.18 7.20

Time-->





#31

Cyclohexane

Concen: 0.979 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060837.D

Acq: 2 Apr 2020 21:13

Instrument :

MSVOA_N

ClientSampled :

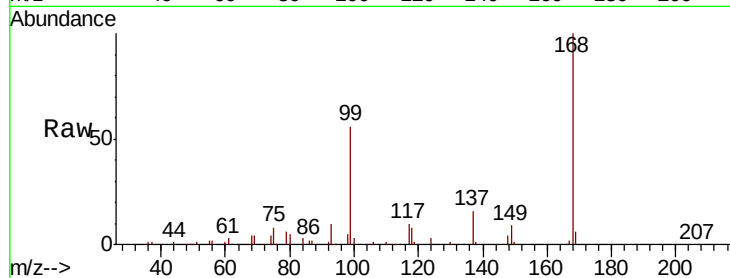
Tot Ion: 56 Resp: 4124

Ion Ratio Lower Upper

56 100

69 165.6 26.6 40.0#

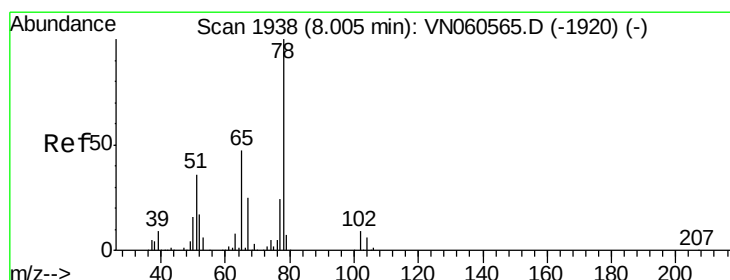
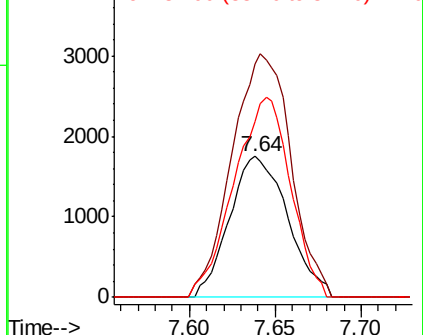
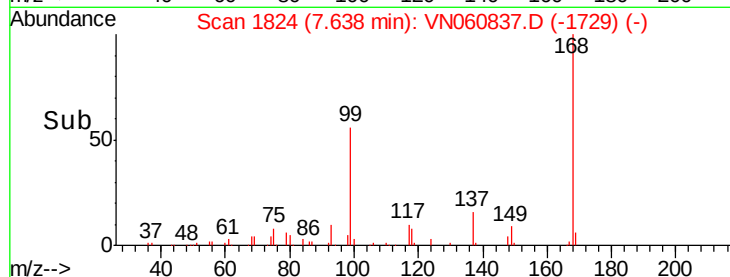
84 125.0 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.000 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060837.D

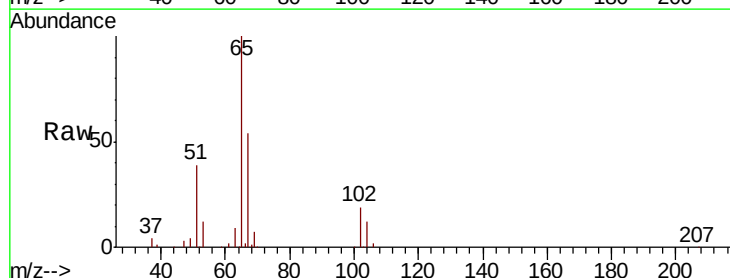
Acq: 2 Apr 2020 21:13

Tgt Ion: 65 Resp: 125588

Ion Ratio Lower Upper

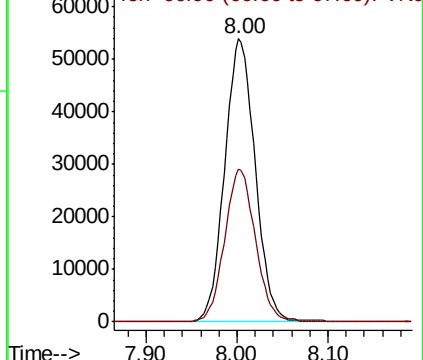
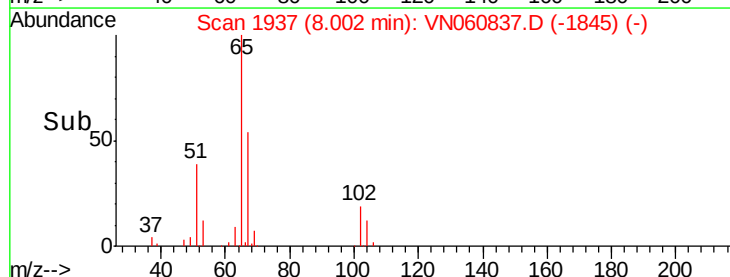
65 100

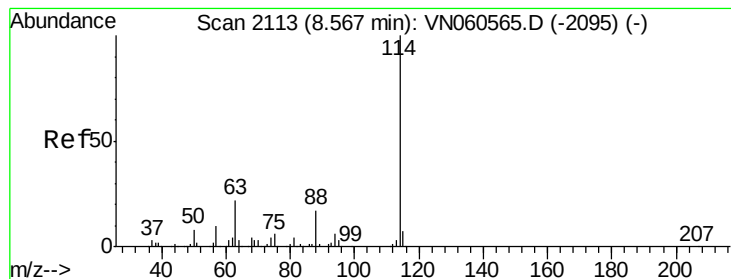
67 54.1 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060837.D

Acq: 2 Apr 2020 21:13

Instrument :

MSVOA_N

ClientSampleId :

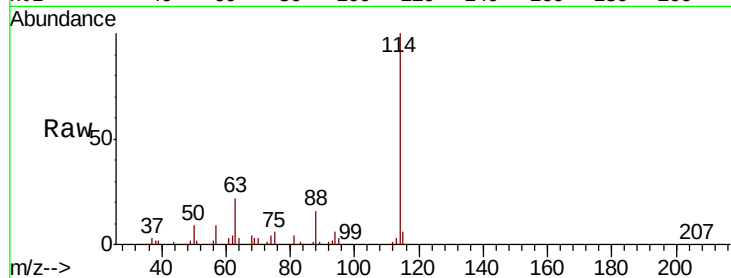
Tot Ion:114 Resp: 323069

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

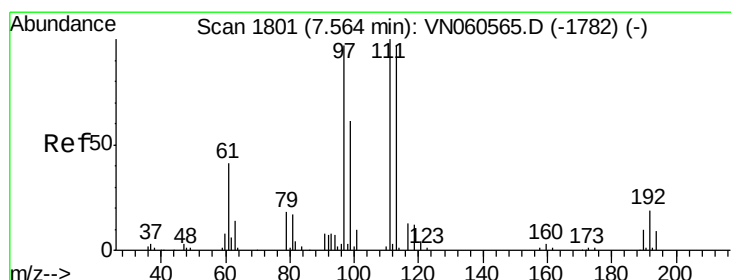
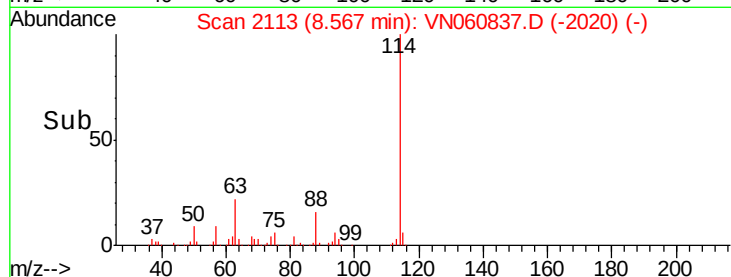
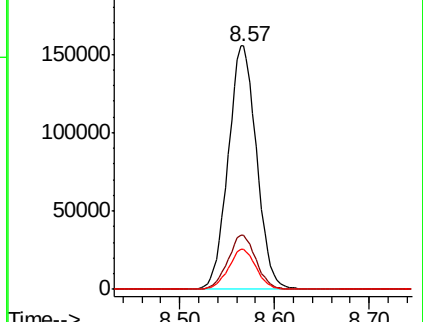
88 16.3 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.258 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060837.D

Acq: 2 Apr 2020 21:13

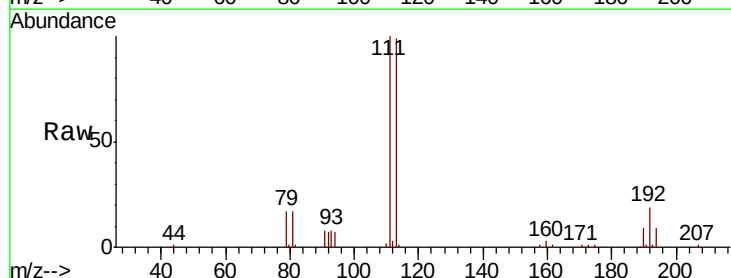
Tgt Ion:113 Resp: 96226

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

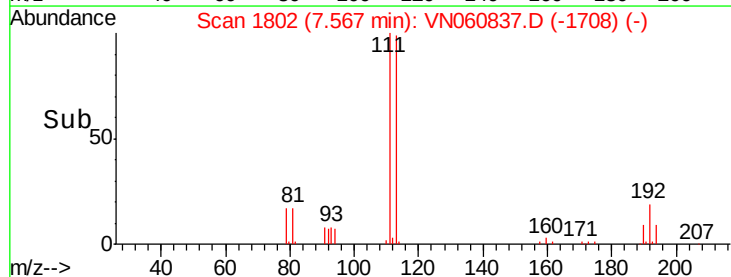
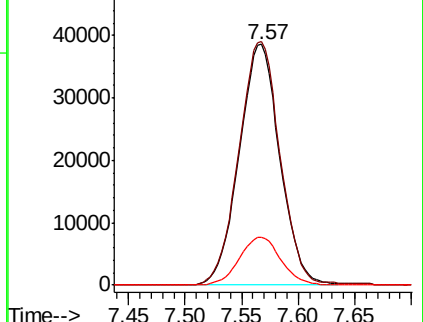
192 20.1 15.8 23.8

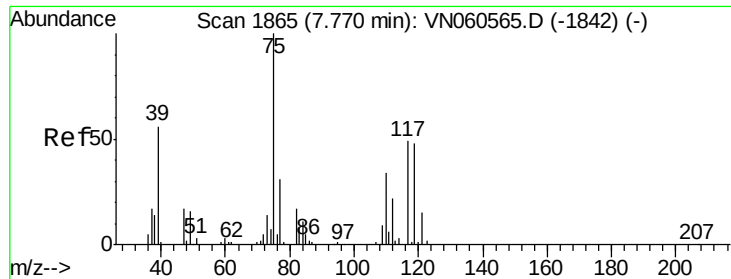


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.920 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060837.D

Acq: 2 Apr 2020 21:13

Instrument :

MSVOA_N

ClientSampleId :

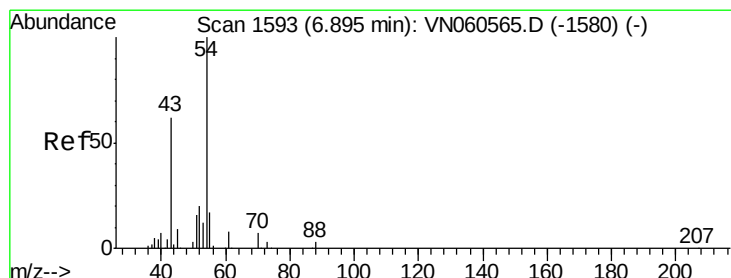
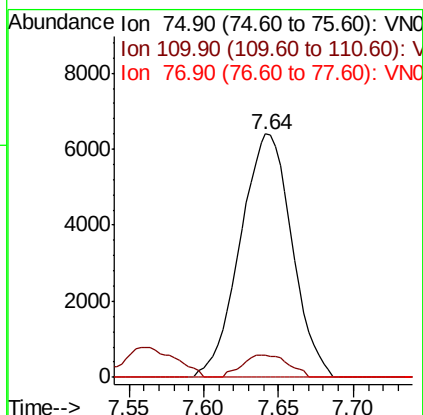
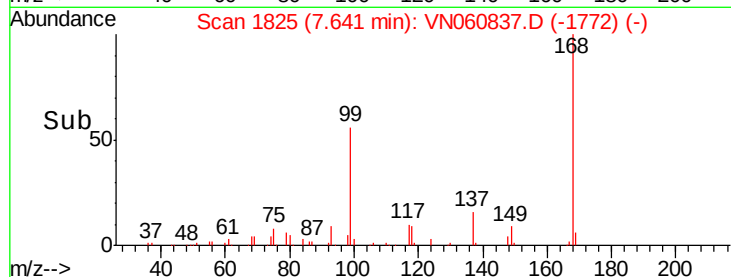
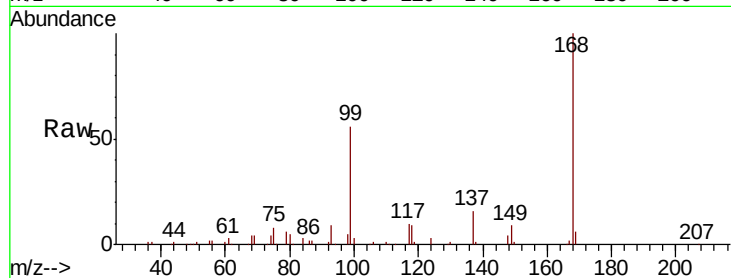
Tot Ion: 75 Resp: 15390

Ion Ratio Lower Upper

75 100

110 8.2 16.9 50.6#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 0.463 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.09 min

Lab File: VN060837.D

Acq: 2 Apr 2020 21:13

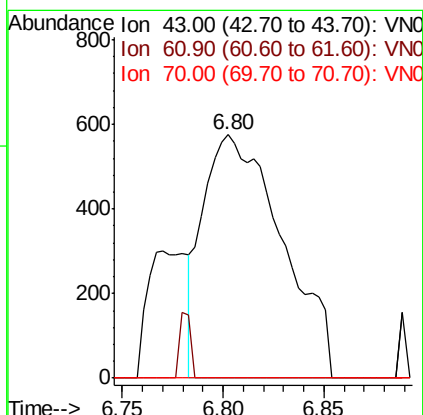
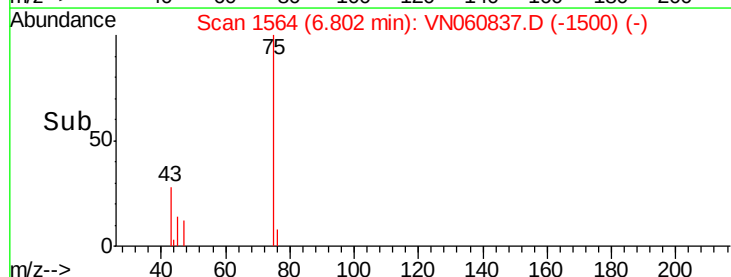
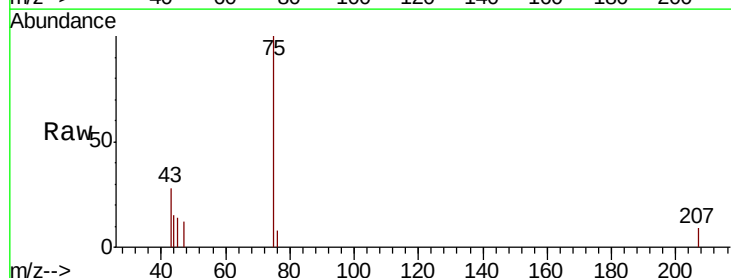
Tgt Ion: 43 Resp: 1564

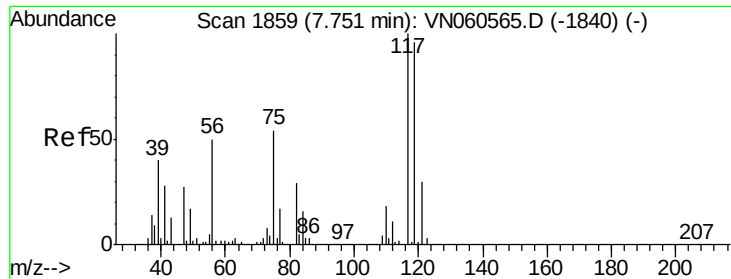
Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 0.0 7.9 11.9#





#38

Carbon Tetrachloride

Concen: 6.442 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060837.D

Acq: 2 Apr 2020 21:13

Instrument :

MSVOA_N

ClientSampleId :

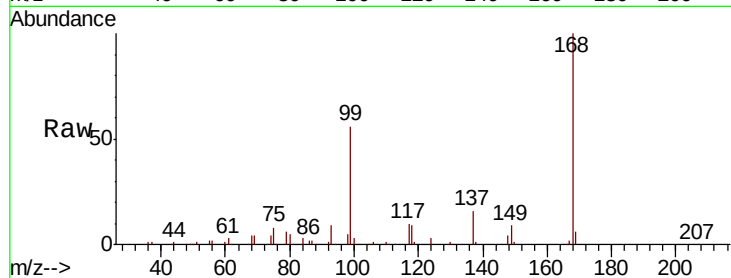
Tot Ion:117 Resp: 18061

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

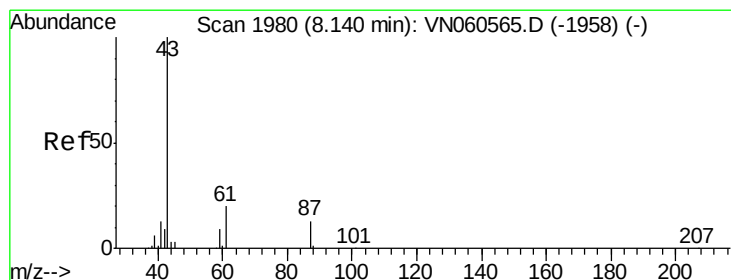
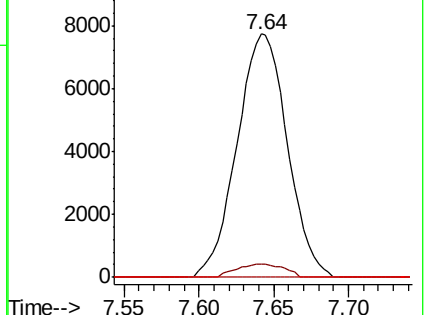
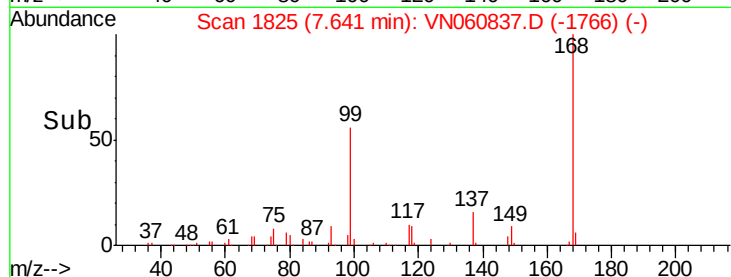
121 0.0 23.7 35.5#



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: 10.688 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060837.D

Acq: 2 Apr 2020 21:13

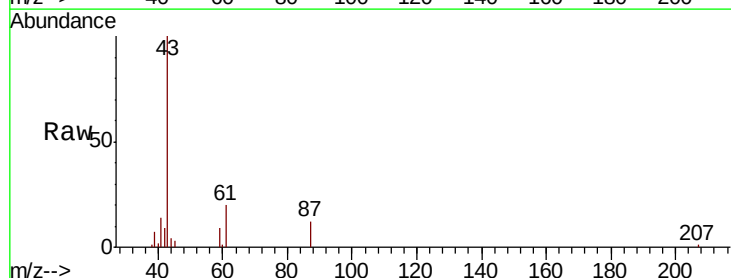
Tgt Ion: 43 Resp: 59581

Ion Ratio Lower Upper

43 100

61 19.1 20.7 31.1#

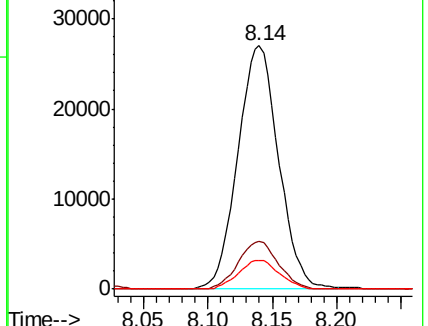
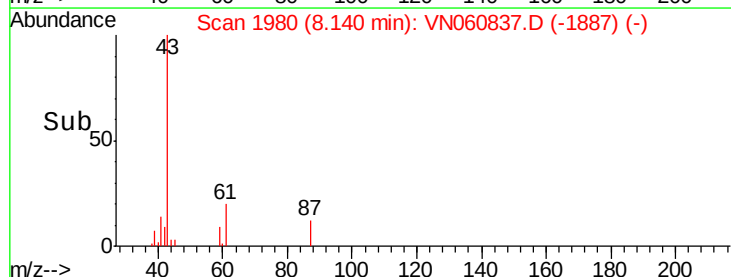
87 11.8 9.8 14.8

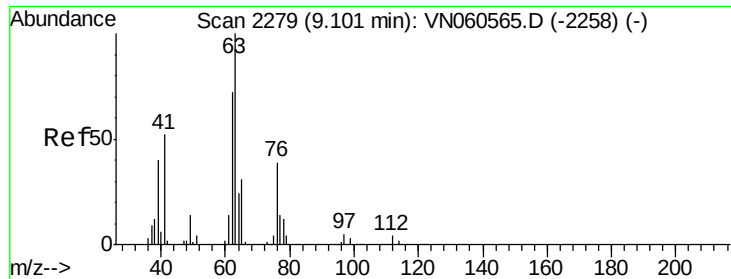


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

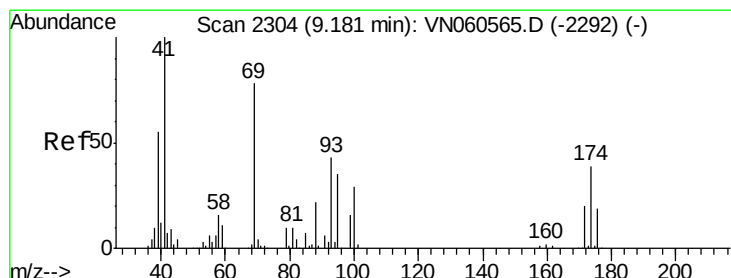
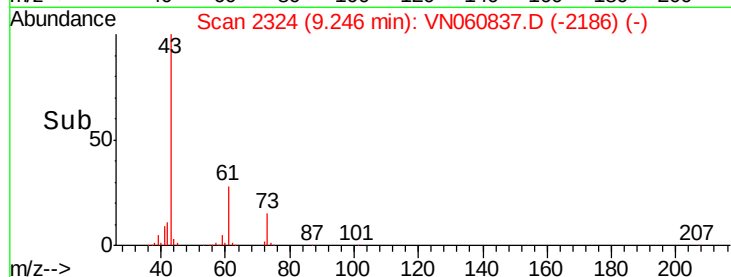
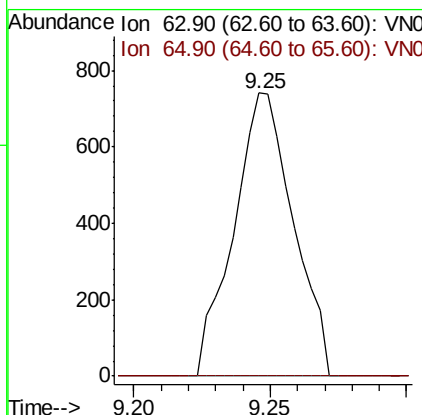
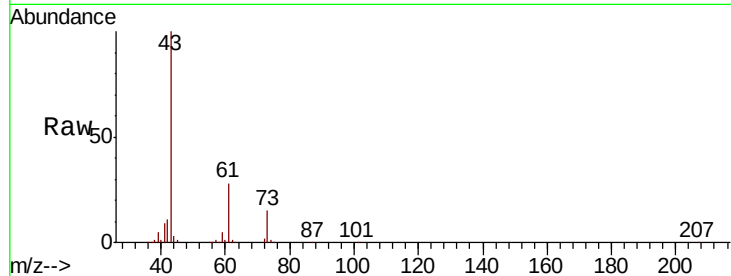




#45
 1,2-Dichloropropane
 Concen: 0.450 ug/l
 RT: 9.25 min Scan# 2324
 Delta R.T. 0.14 min
 Lab File: VN060837.D
 Acq: 2 Apr 2020 21:13

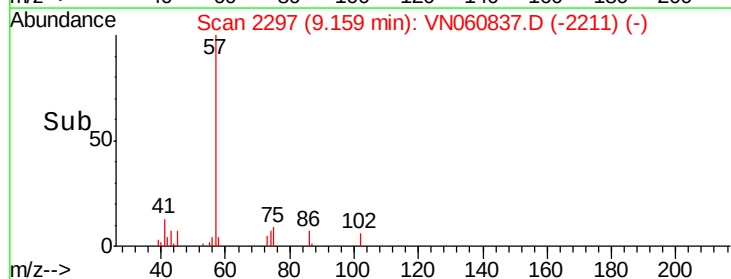
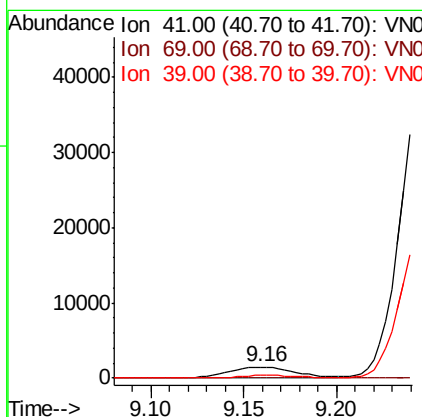
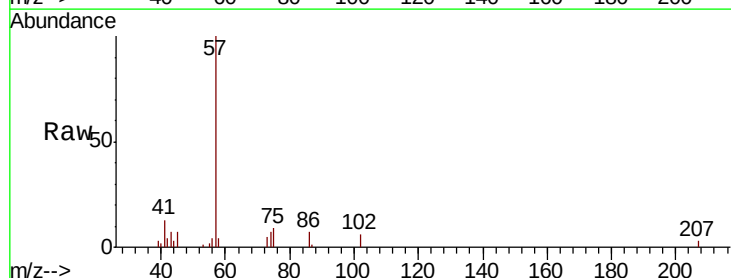
Instrument :
 MSVOA_N
 ClientSampleId :

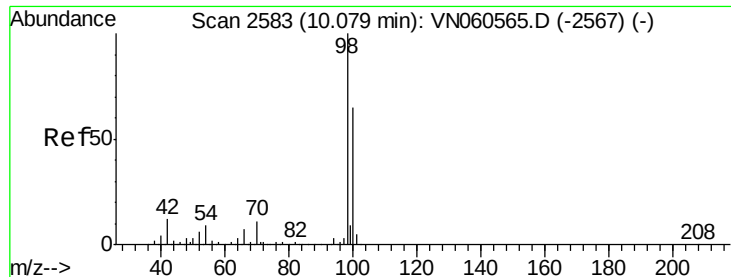
Tot Ion: 63 Resp: 1122
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.448 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060837.D
 Acq: 2 Apr 2020 21:13

Tgt Ion: 41 Resp: 3593
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#

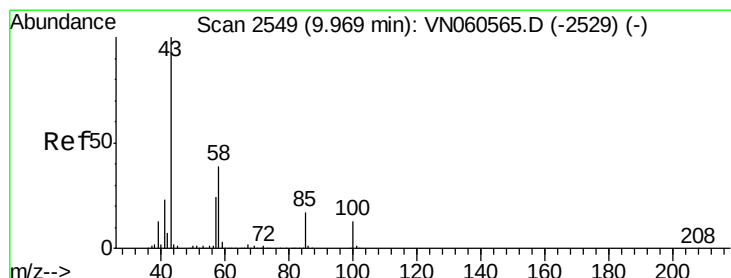
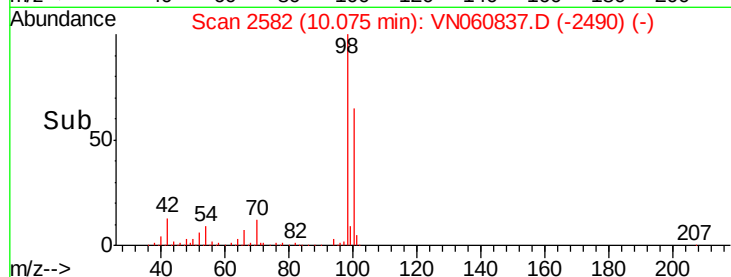
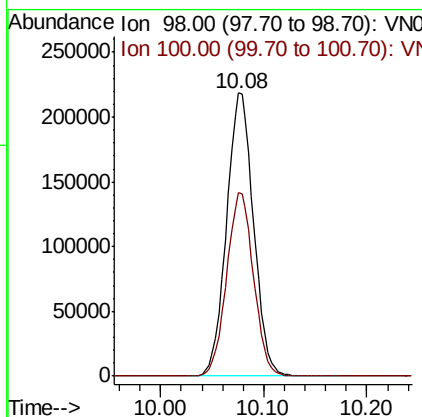
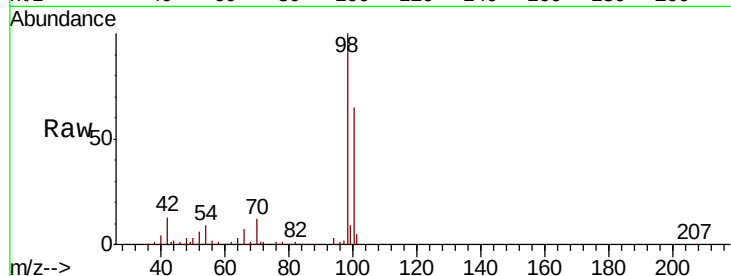




#50
Toluene-d8
Concen: 49.933 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060837.D
Acq: 2 Apr 2020 21:13

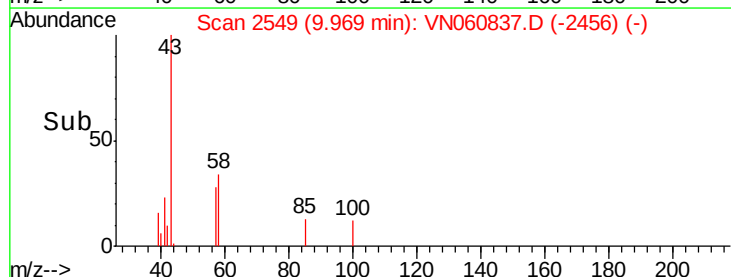
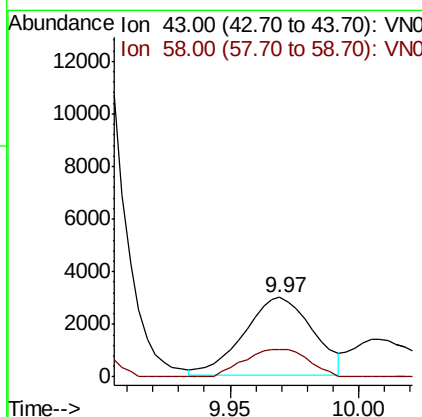
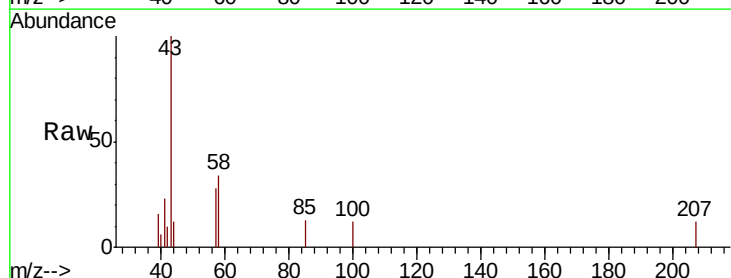
Instrument :
MSVOA_N
ClientSampleId :

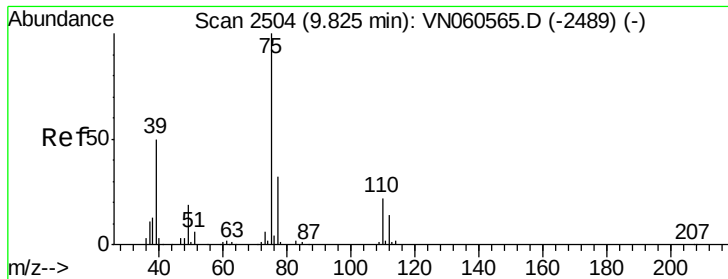
Tot Ion: 98 Resp: 398426
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.734 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060837.D
Acq: 2 Apr 2020 21:13

Tgt Ion: 43 Resp: 5502
Ion Ratio Lower Upper
43 100
58 33.0 30.8 46.2



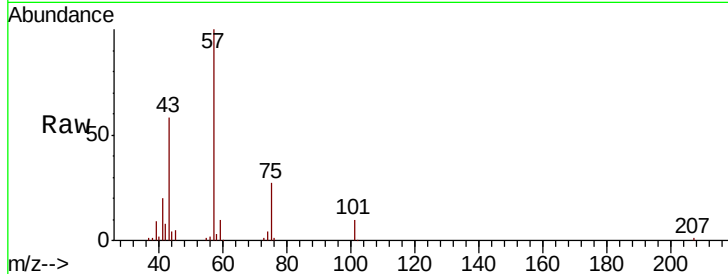


#54

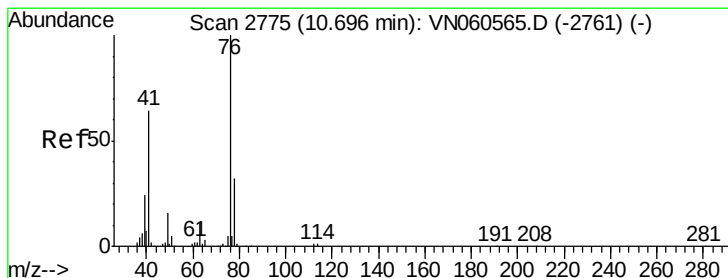
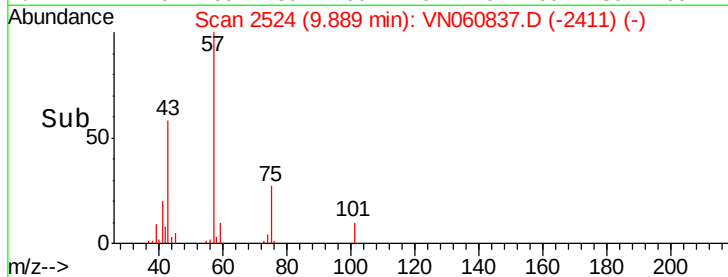
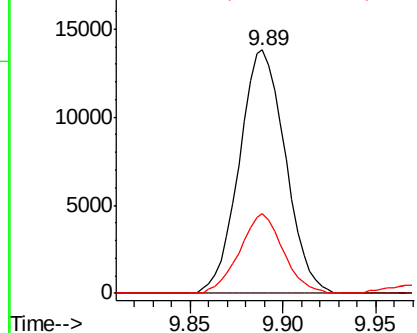
cis-1,3-Dichloropropene
 Concen: 6.063 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060837.D
 Acq: 2 Apr 2020 21:13

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.4	38.0#
39	32.5	40.2	60.4#



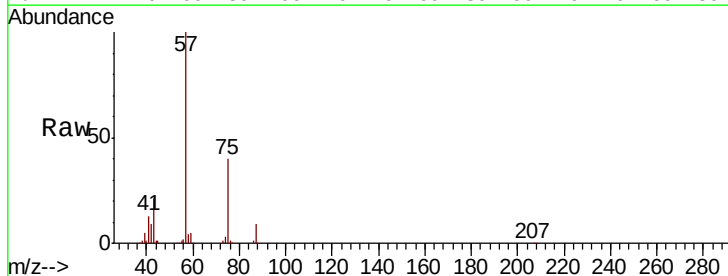
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



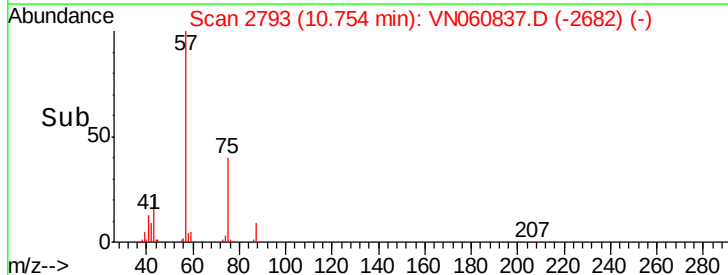
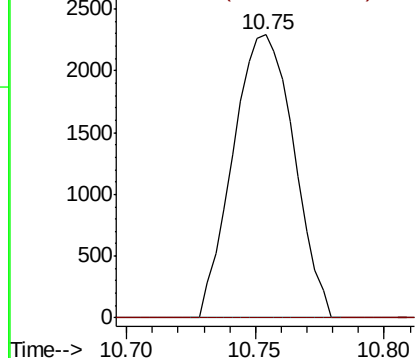
#57

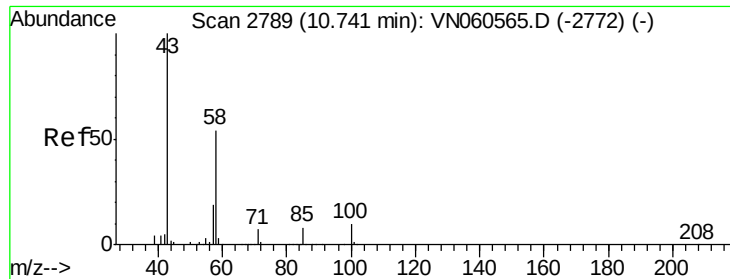
1,3-Dichloropropane
 Concen: 0.990 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060837.D
 Acq: 2 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

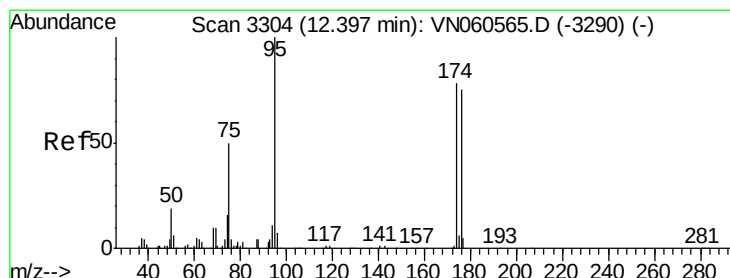
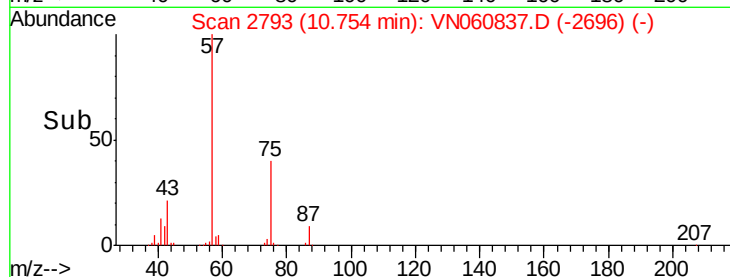
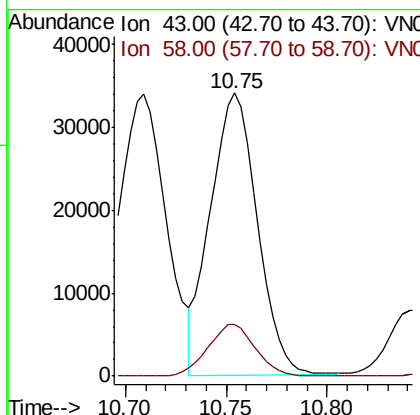
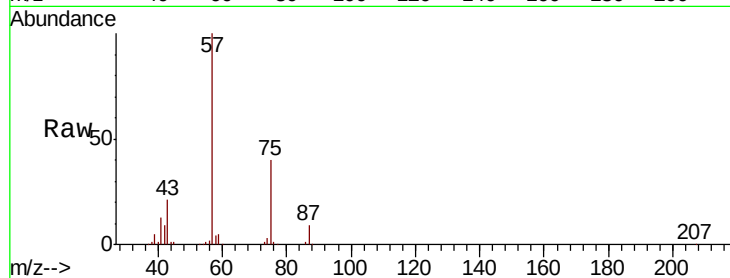




#59
2-Hexanone
Concen: 24.150 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060837.D
Acq: 2 Apr 2020 21:13

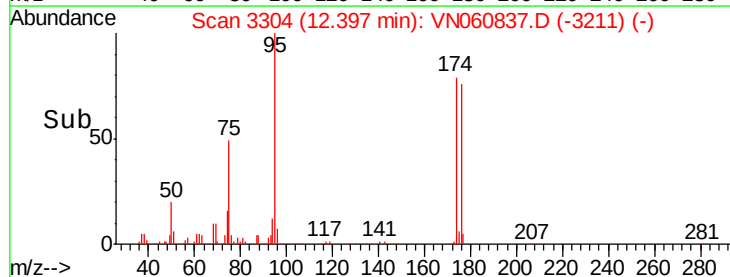
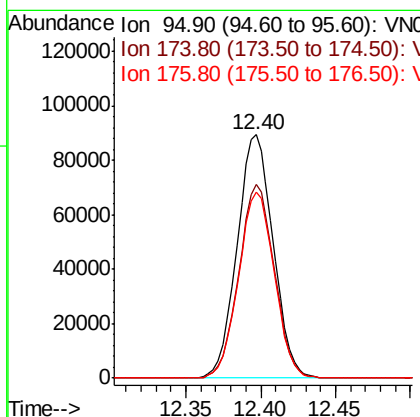
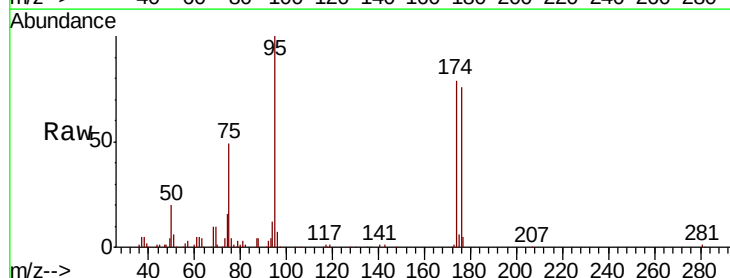
Instrument :
MSVOA_N
ClientSampleId :

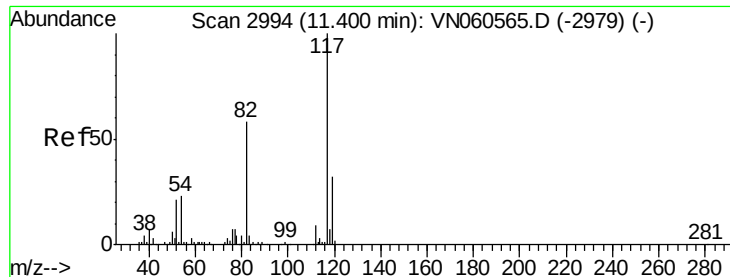
Tot Ion: 43 Resp: 55185
Ion Ratio Lower Upper
43 100
58 18.4 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.049 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060837.D
Acq: 2 Apr 2020 21:13

Tgt Ion: 95 Resp: 149283
Ion Ratio Lower Upper
95 100
174 78.7 0.0 157.6
176 76.1 0.0 150.6

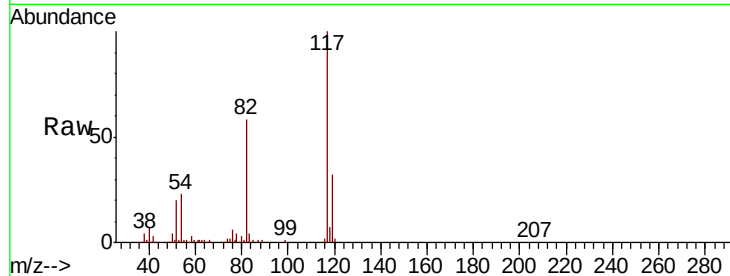




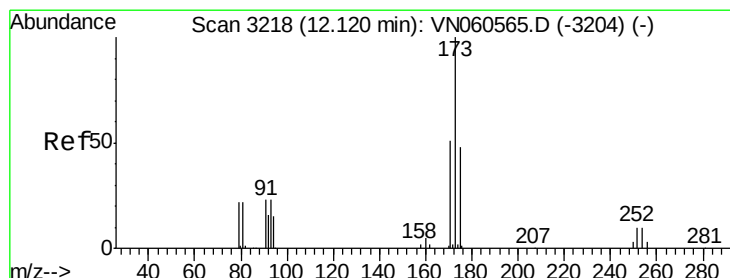
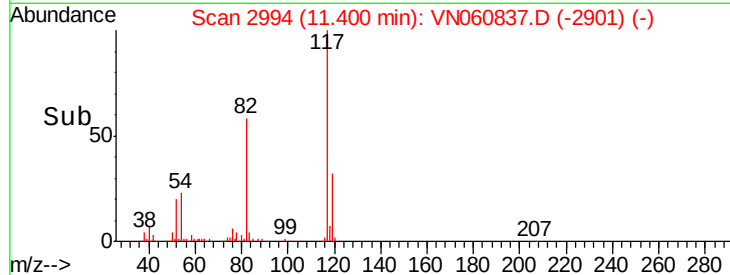
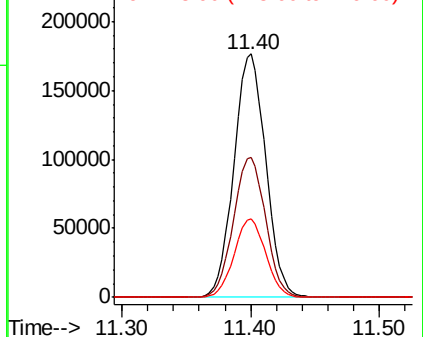
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060837.D
Acq: 2 Apr 2020 21:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 303159
Ion Ratio Lower Upper
117 100
82 57.7 46.7 70.1
119 32.2 25.5 38.3

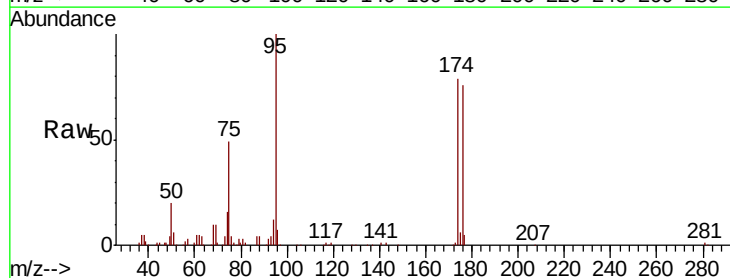


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

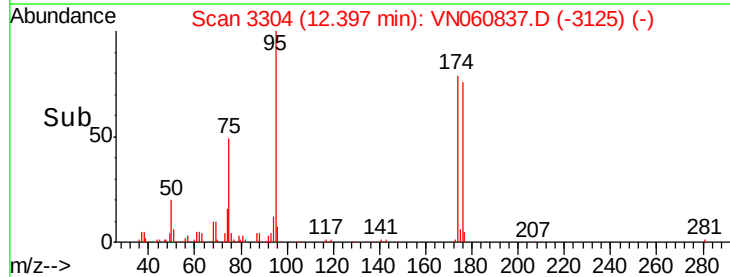
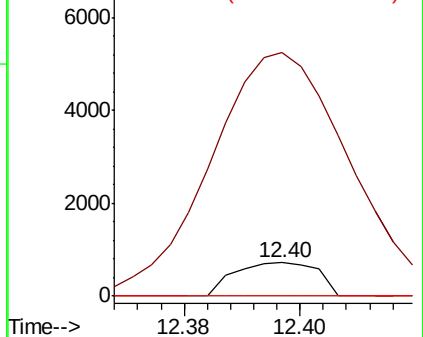


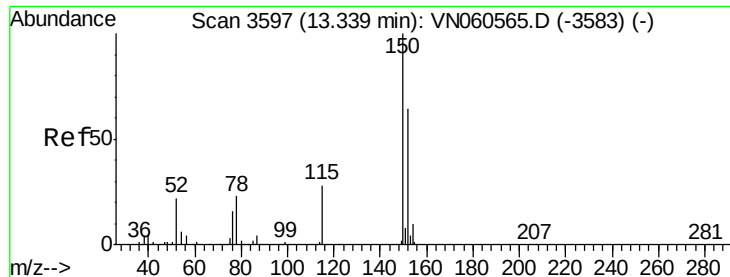
#71
Bromoform
Concen: 2.063 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060837.D
Acq: 2 Apr 2020 21:13

Tgt Ion:173 Resp: 715
Ion Ratio Lower Upper
173 100
175 1034.4 24.1 72.4#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VN060837.D

Acq: 2 Apr 2020 21:13

Instrument :

MSVOA_N

ClientSampled :

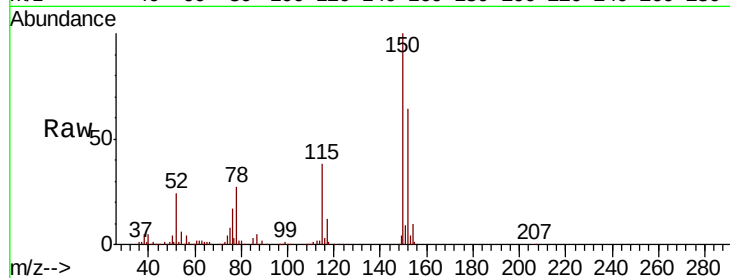
Tot Ion:152 Resp: 141351

Ion Ratio Lower Upper

152 100

115 60.0 30.2 90.6

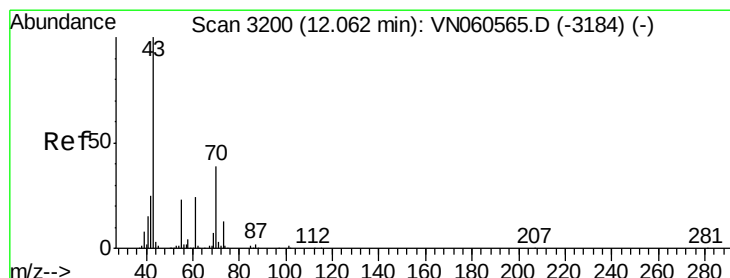
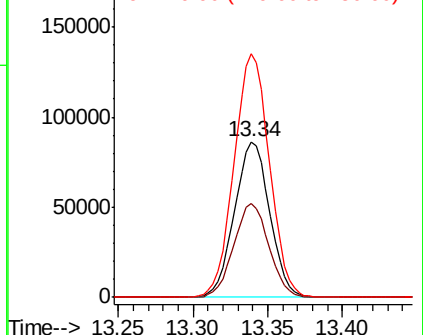
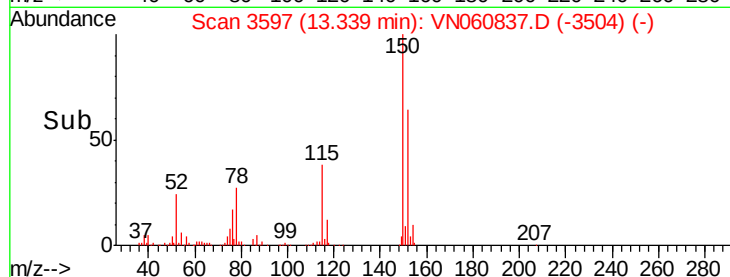
150 157.7 0.0 350.2



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: 0.619 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060837.D

Acq: 2 Apr 2020 21:13

Tgt Ion: 43 Resp: 3036

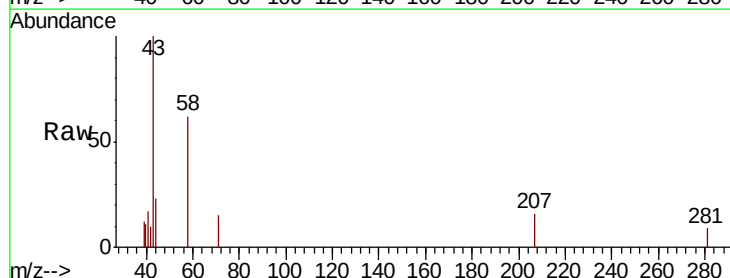
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

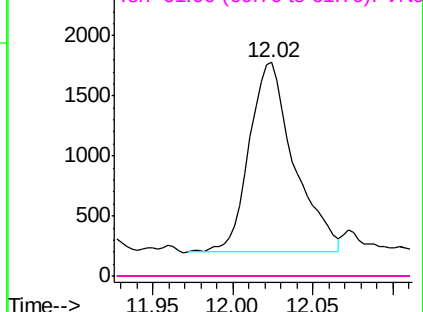
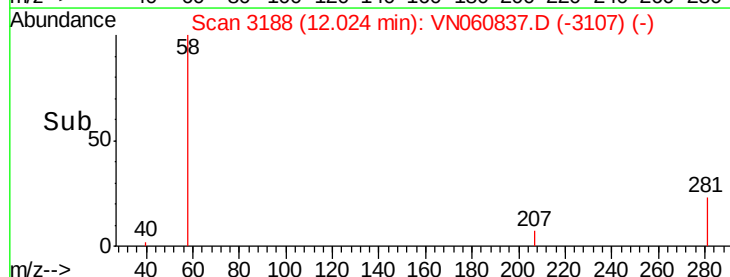


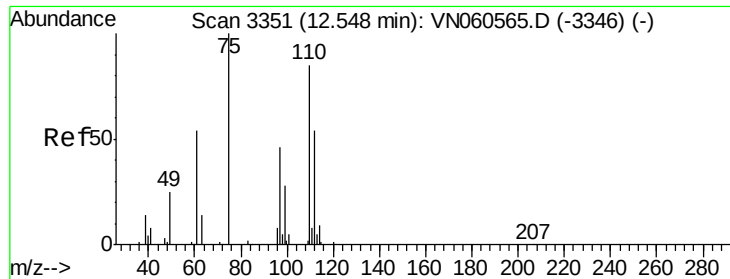
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.705 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060837.D

Acq: 2 Apr 2020 21:13

Instrument :

MSVOA_N

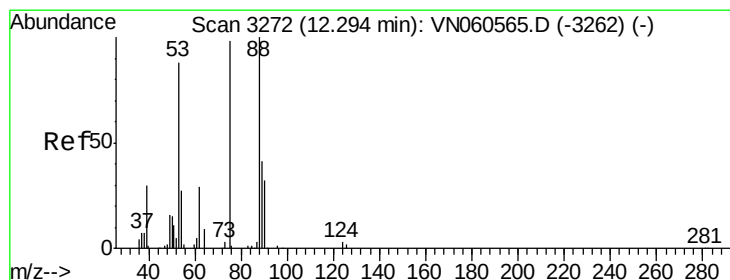
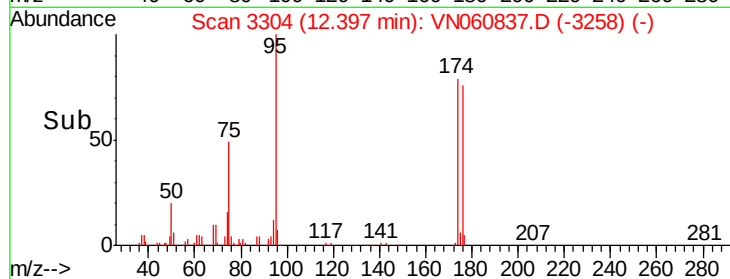
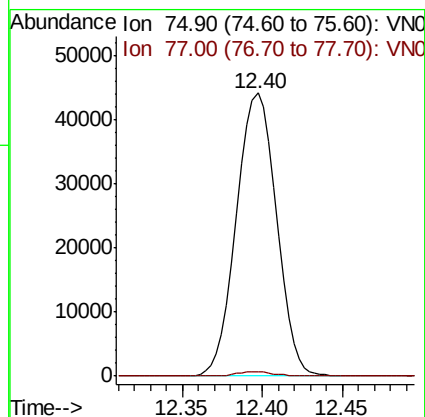
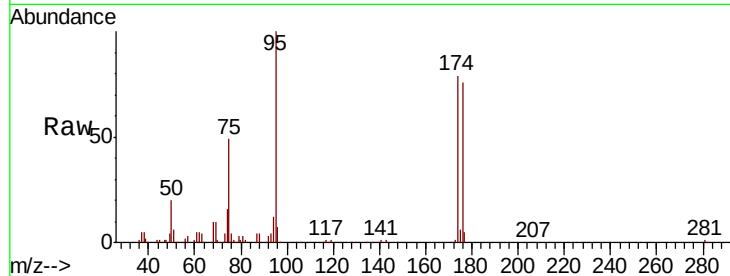
ClientSampled :

Tot Ion: 75 Resp: 75352

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.450 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060837.D

Acq: 2 Apr 2020 21:13

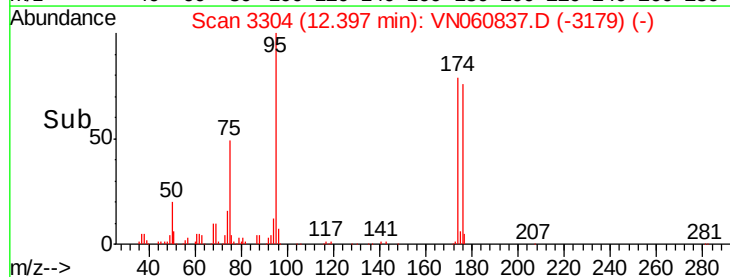
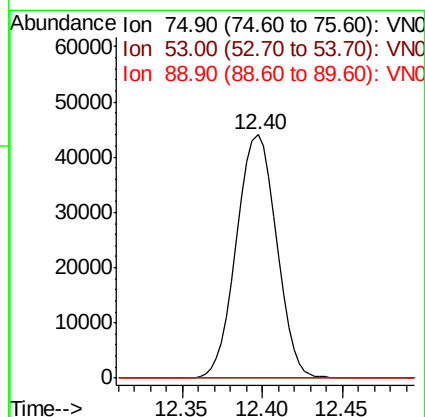
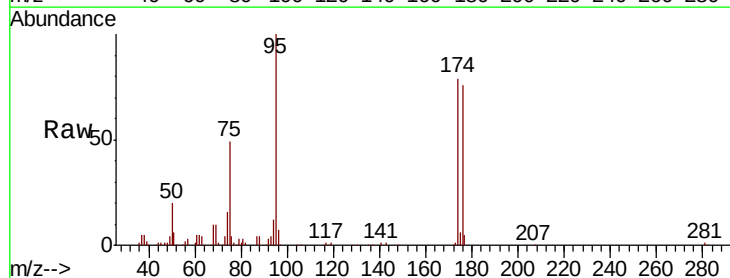
Tgt Ion: 75 Resp: 75352

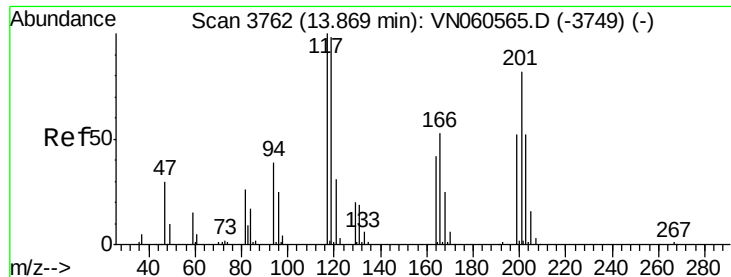
Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#





#90

Hexachloroethane

Concen: 0.329 ug/l

RT: 13.94 min Scan# 3783

Delta R.T. 0.07 min

Lab File: VN060837.D

Acq: 2 Apr 2020 21:13

Instrument :

MSVOA_N

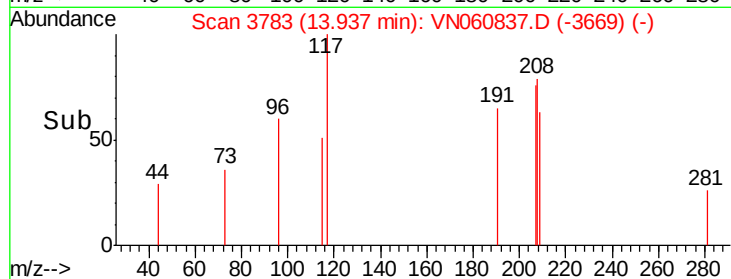
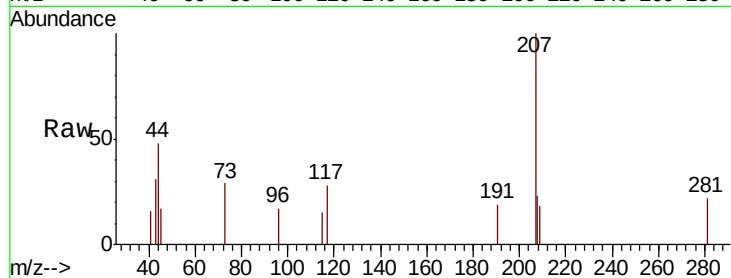
ClientSampleId :

Tot Ion:117 Resp: 431

Ion Ratio Lower Upper

117 100

201 0.0 40.8 122.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

