

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020720\
 Data File : VN060030.D
 Acq On : 7 Feb 2020 14:38
 Operator : JC/MD
 Sample : PB126640ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 07 23:14:21 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	196152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	305992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112147	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
35) Dibromofluoromethane	7.57	113	94540	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.08	98	373752	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
62) 4-Bromofluorobenzene	12.40	95	134016	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	

Target Compounds

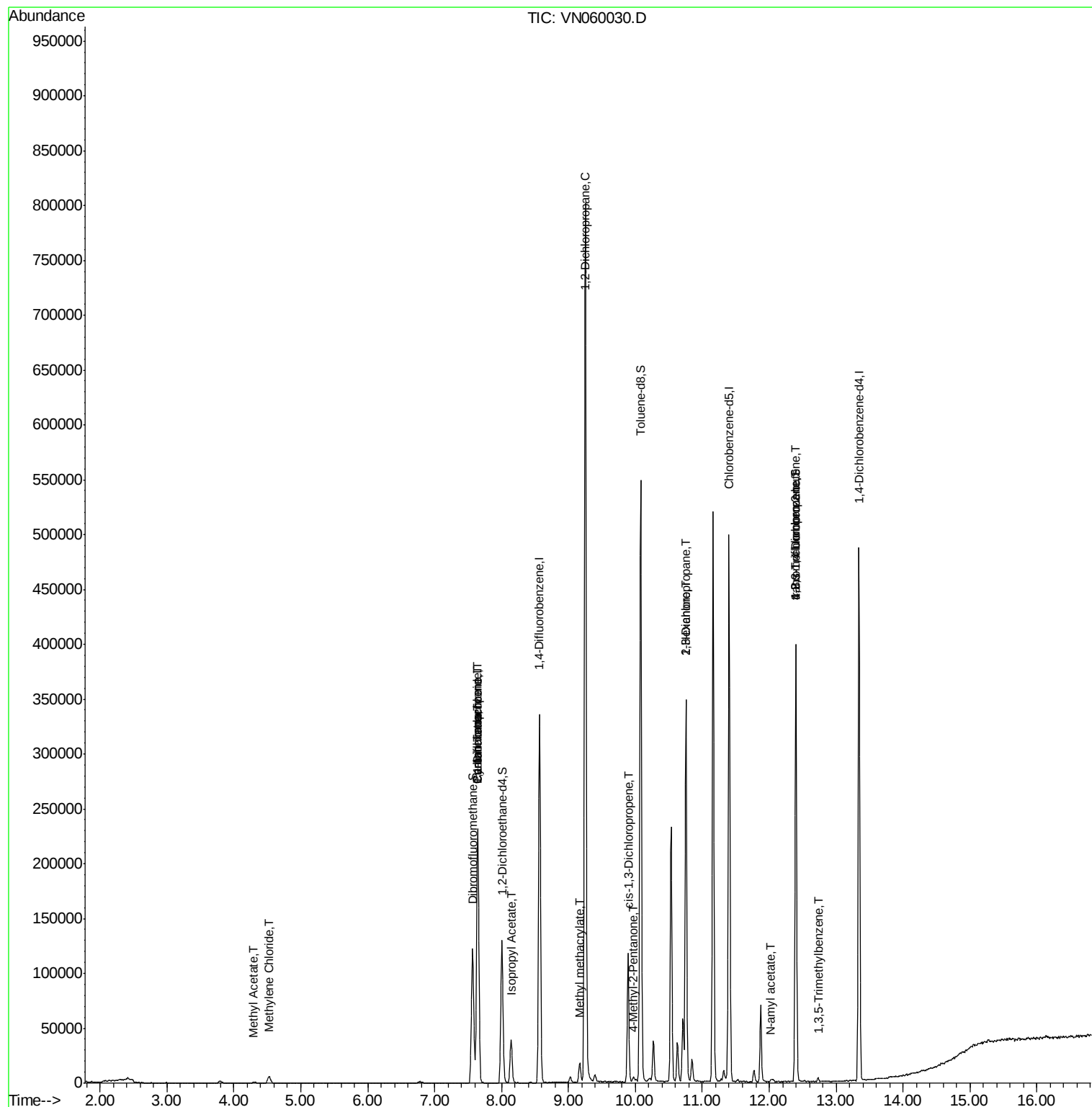
						Qvalue
16) Acetone	3.80	43	4153	Below Cal		93
18) Methyl Acetate	4.31	43	1288	0.506	ug/l #	54
20) Methylene Chloride	4.53	84	5019	1.286	ug/l #	85
31) Cyclohexane	7.65	56	3931	1.220	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14048	5.272	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18353	6.332	ug/l #	15
43) Isopropyl Acetate	8.14	43	46528	10.823	ug/l	92
45) 1,2-Dichloropropane	9.25	63	907	0.461	ug/l #	44
48) Methyl methacrylate	9.16	41	2538	1.320	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3226	1.298	ug/l	90
54) cis-1,3-Dichloropropene	9.89	75	21969	6.689	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	3556	1.127	ug/l #	42
59) 2-Hexanone	10.75	43	49617	27.103	ug/l #	54
74) N-amyl acetate	12.03	43	1551	0.417	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	68727	31.260	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2124	0.264	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	68727	67.132	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.35	75	58	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# 1826

Delta R.T. 0.00 min

Lab File: VN060030.D

Acq: 7 Feb 2020 14:38

Instrument :

MSVOA_N

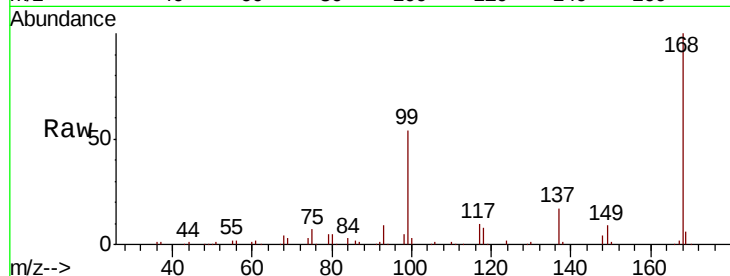
ClientSampled :

Tot Ion:168 Resp: 196152

Ion Ratio Lower Upper

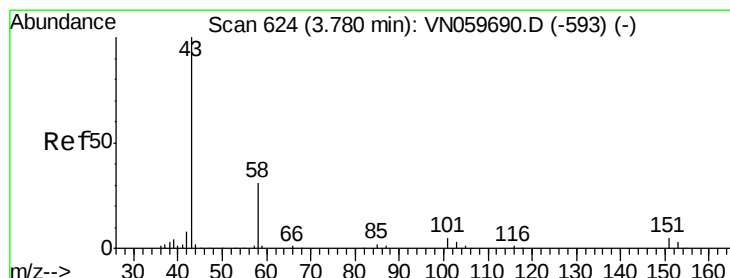
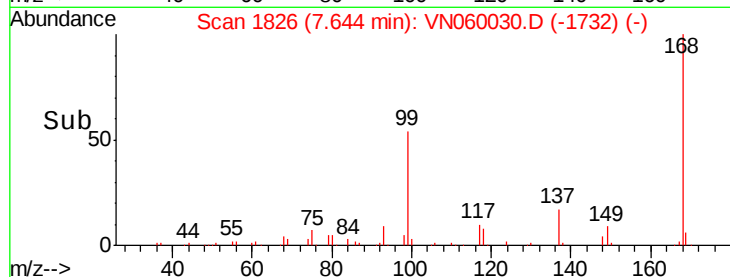
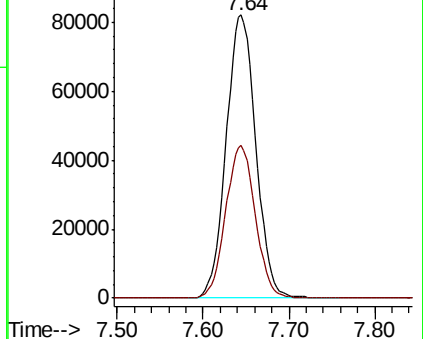
168 100

99 53.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN060030.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN060030.D (-1732) (-)



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN060030.D

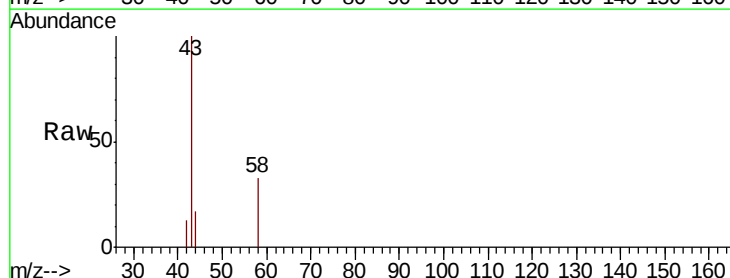
Acq: 7 Feb 2020 14:38

Tgt Ion: 43 Resp: 4153

Ion Ratio Lower Upper

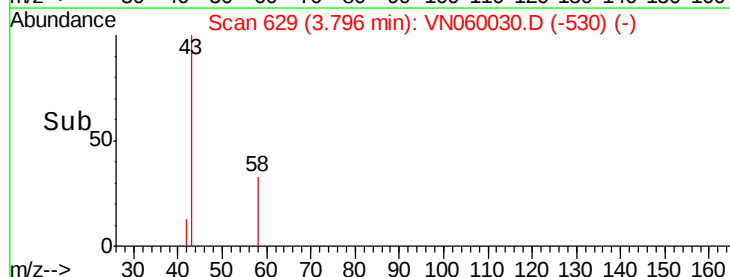
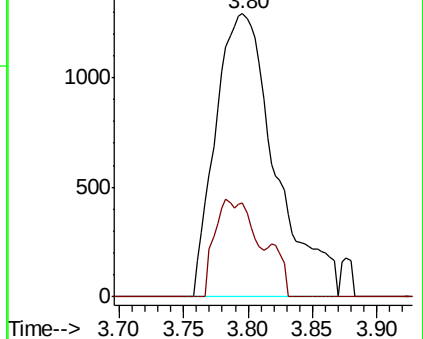
43 100

58 33.0 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN060030.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN060030.D (-530) (-)

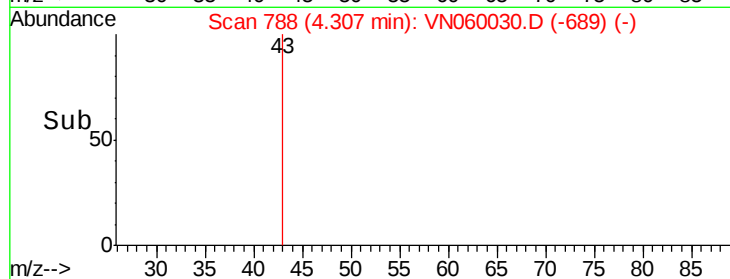
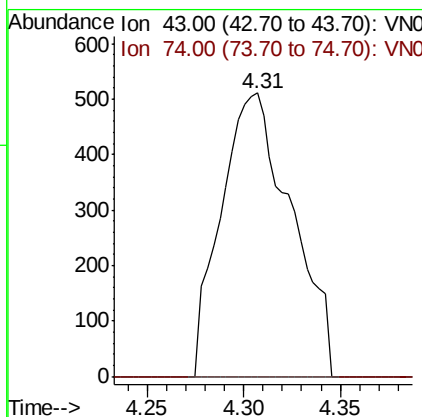
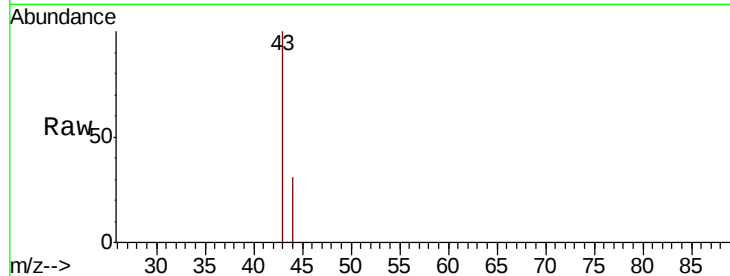




#18
Methyl Acetate
Concen: 0.506 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN060030.D
Acq: 7 Feb 2020 14:38

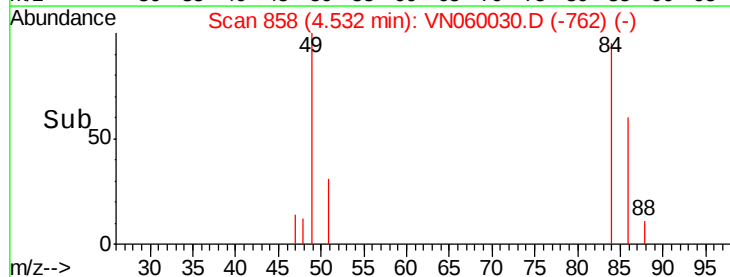
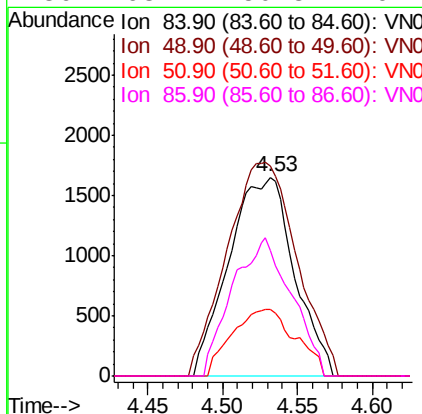
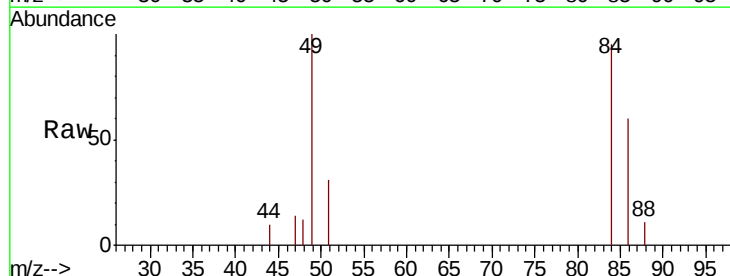
Instrument :
MSVOA_N
ClientSampleId :

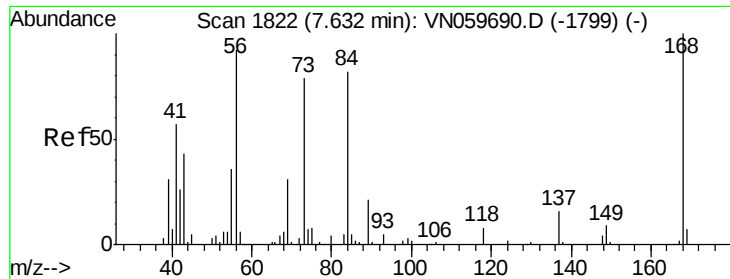
Tot Ion: 43 Resp: 1288
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.286 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN060030.D
Acq: 7 Feb 2020 14:38

Tgt Ion: 84 Resp: 5019
Ion Ratio Lower Upper
84 100
49 105.8 106.6 160.0#
51 33.2 31.9 47.9
86 63.1 50.8 76.2

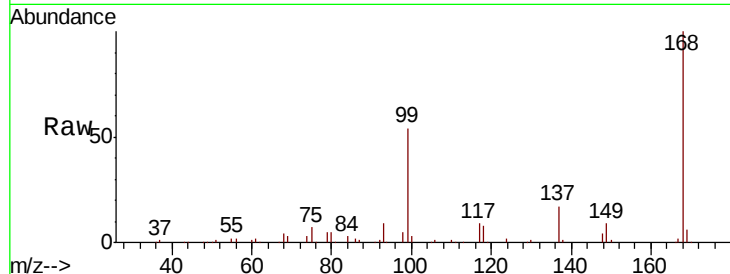




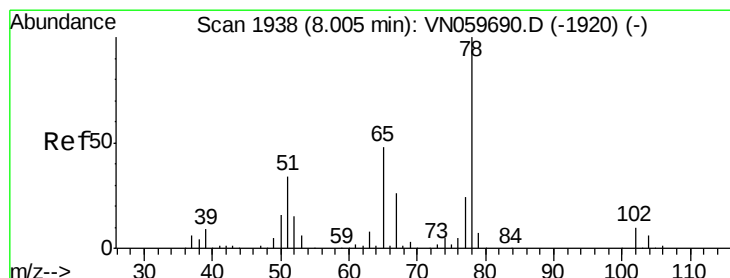
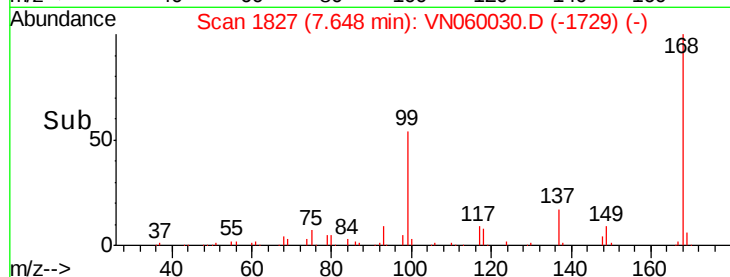
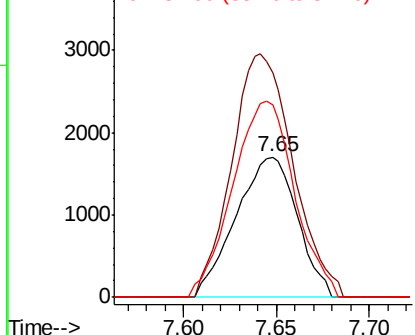
#31
Cyclohexane
Concen: 1.220 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.02 min
Lab File: VN060030.D
Acq: 7 Feb 2020 14:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3931
Ion Ratio Lower Upper
56 100
69 160.0 26.5 39.7#
84 136.9 65.3 97.9#

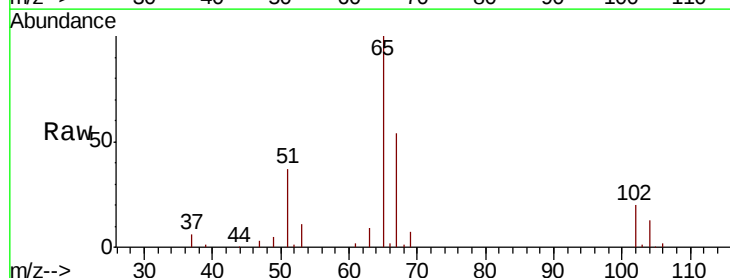


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

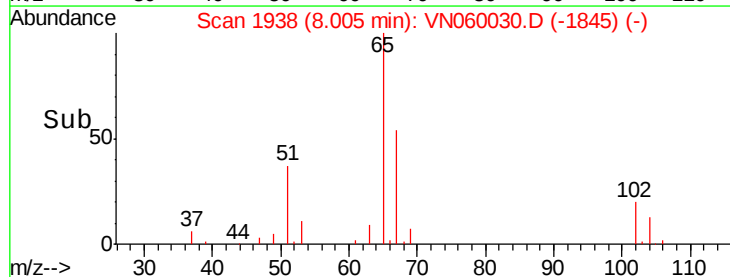
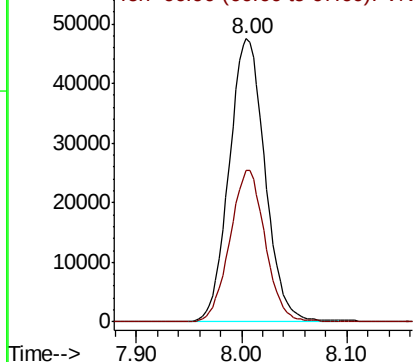


#33
1,2-Dichloroethane-d4
Concen: 51.483 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060030.D
Acq: 7 Feb 2020 14:38

Tgt Ion: 65 Resp: 112147
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

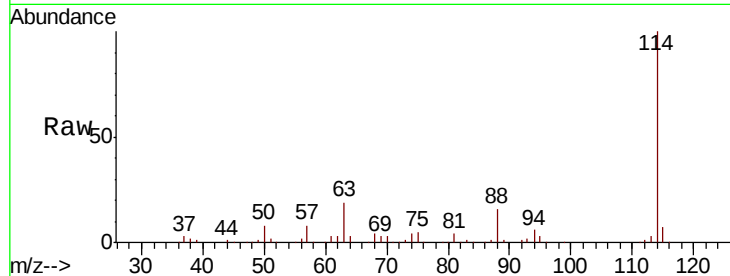




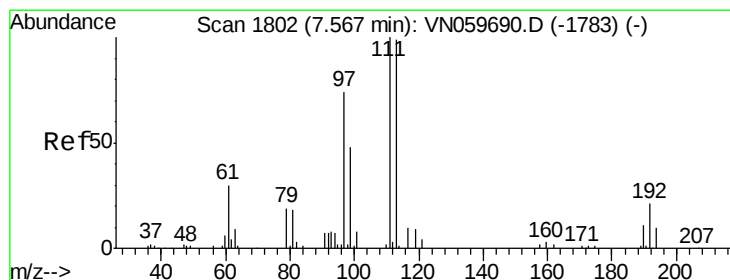
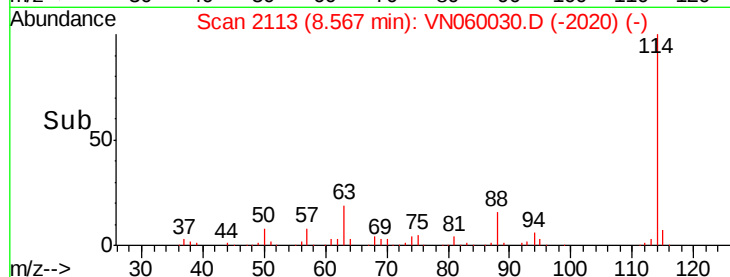
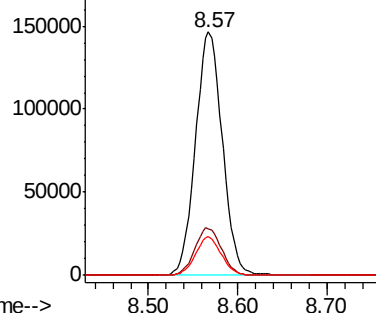
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060030.D
Acq: 7 Feb 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 305992
Ion Ratio Lower Upper
114 100
63 19.3 0.0 43.6
88 15.9 0.0 31.4

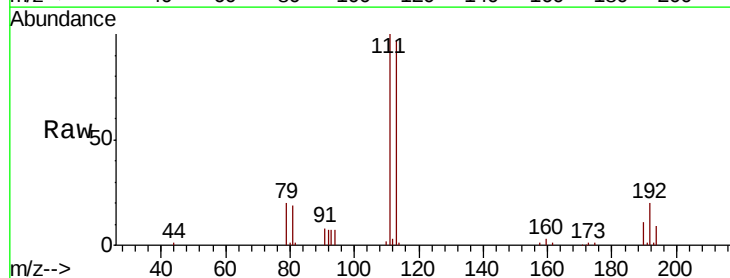


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

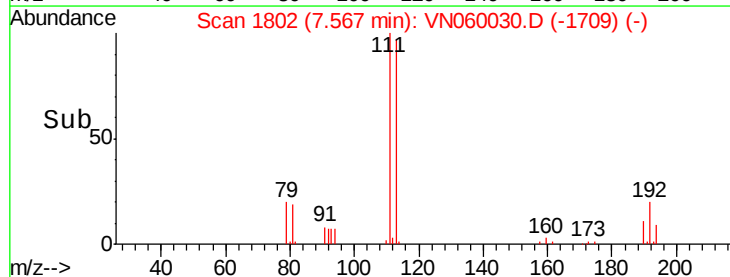
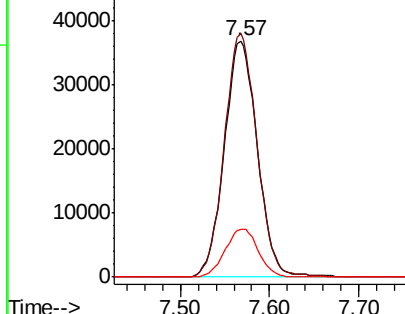


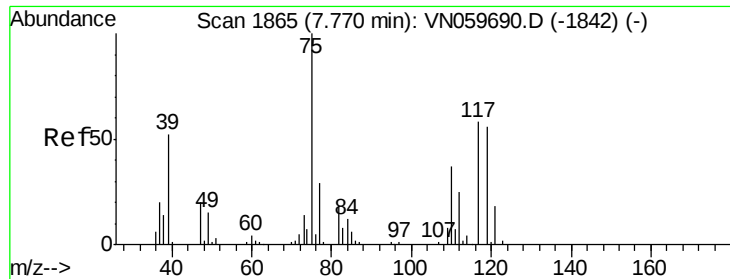
#35
Dibromofluoromethane
Concen: 51.809 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060030.D
Acq: 7 Feb 2020 14:38

Tgt Ion:113 Resp: 94540
Ion Ratio Lower Upper
113 100
111 101.8 83.5 125.3
192 20.3 15.4 23.2



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

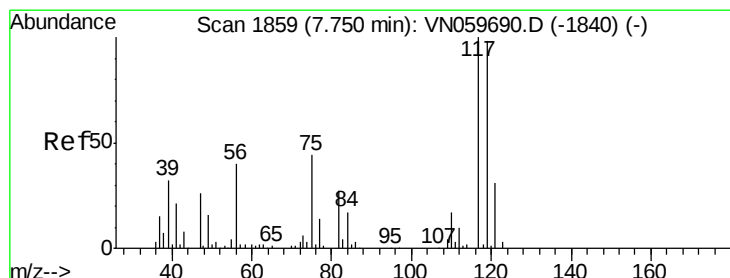
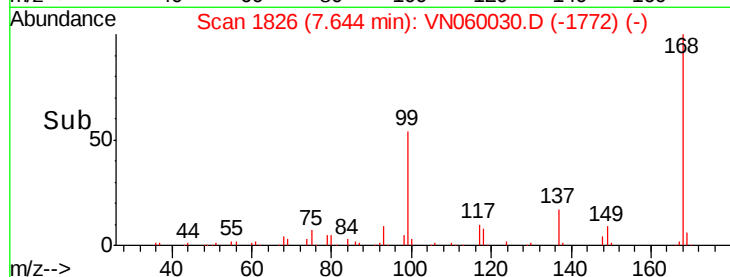
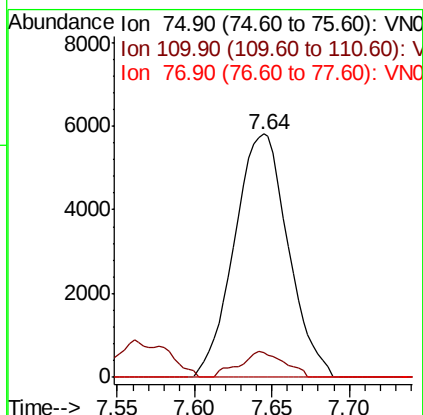
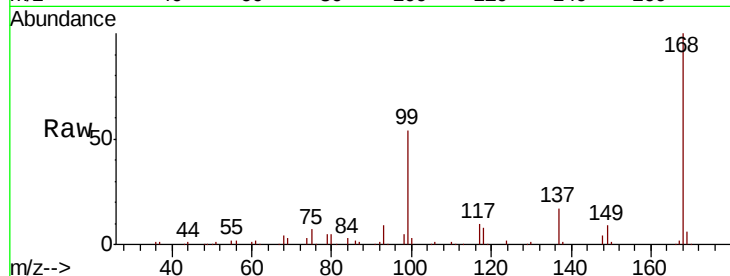




#36
 1,1-Dichloropropene
 Concen: 5.272 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060030.D
 Acq: 7 Feb 2020 14:38

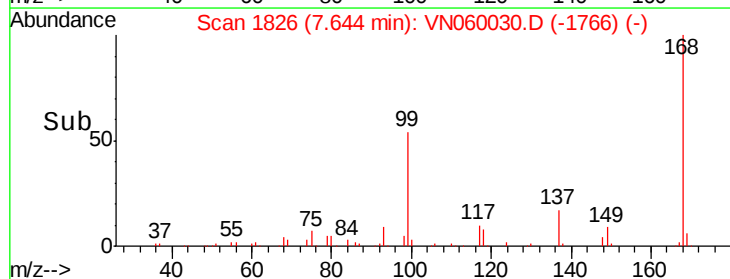
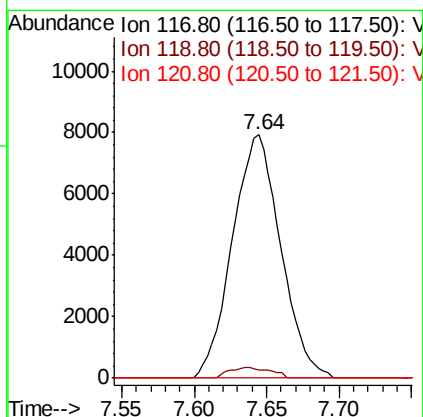
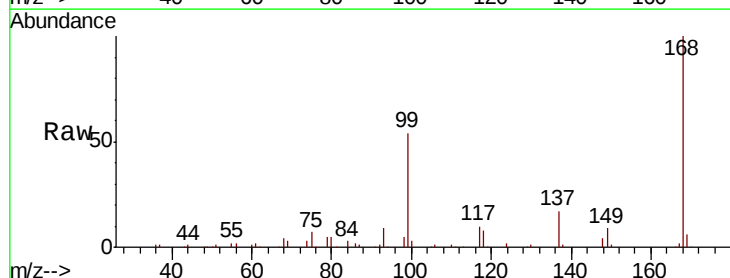
Instrument :
 MSVOA_N
 ClientSampleId :

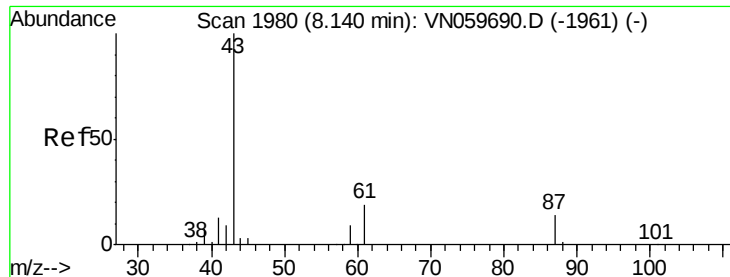
Tot Ion	75	Resp	14048
Ion Ratio	Lower	Upper	
75	100		
110	8.9	16.6	49.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.332 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060030.D
 Acq: 7 Feb 2020 14:38

Tgt Ion	117	Resp	18353
Ion Ratio	Lower	Upper	
117	100		
119	3.1	76.5	114.7#
121	0.0	25.1	37.7#



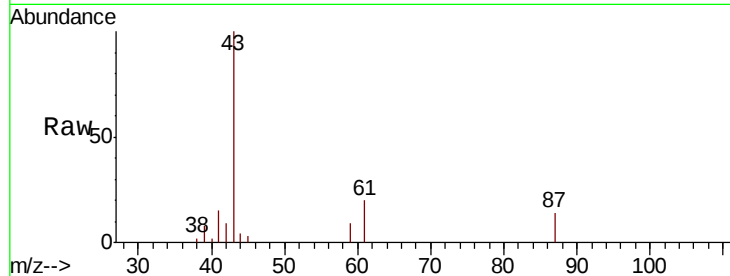


#43

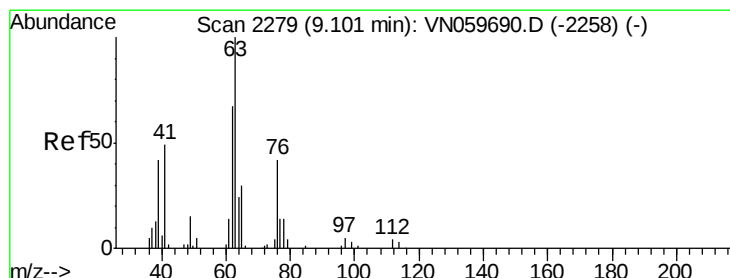
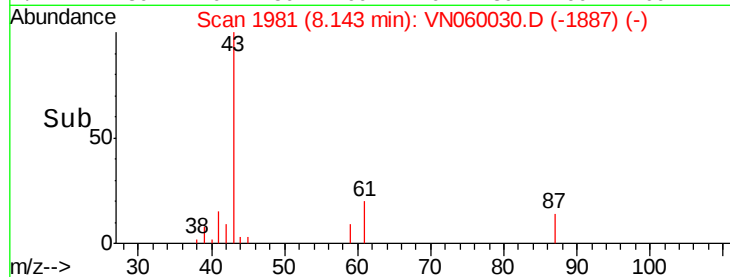
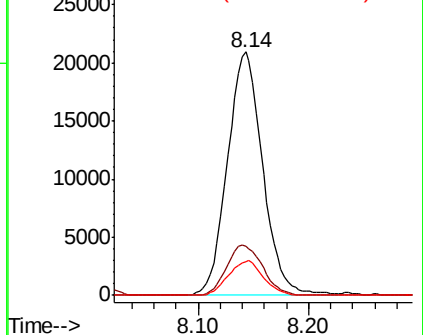
Isopropyl Acetate
 Concen: 10.823 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VN060030.D
 Acq: 7 Feb 2020 14:38

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 46528
 Ion Ratio Lower Upper
 43 100
 61 20.8 20.2 30.2
 87 13.8 9.5 14.3



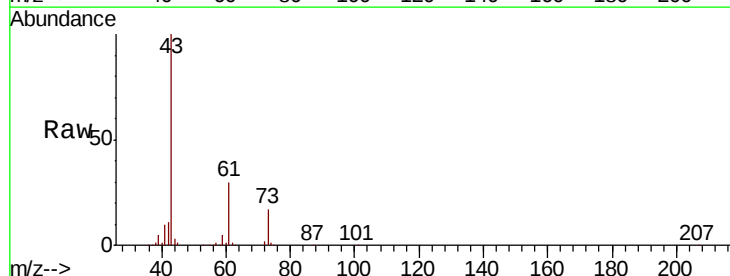
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



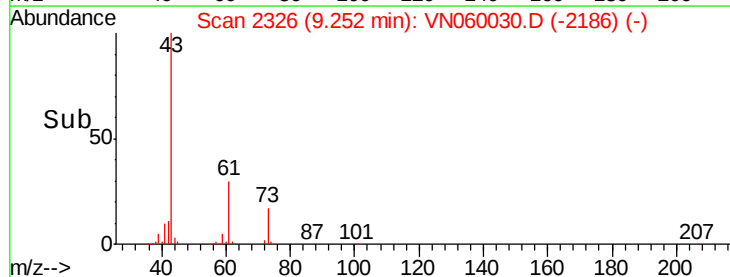
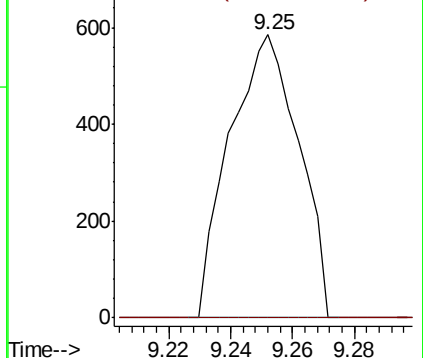
#45

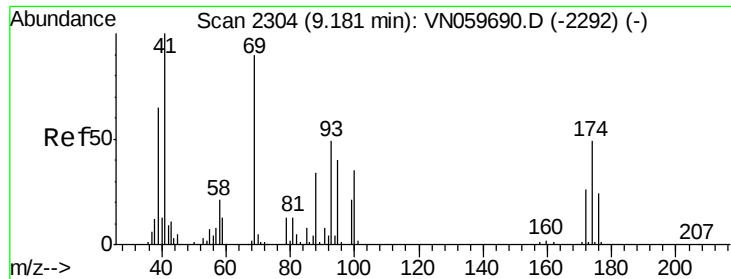
1,2-Dichloropropane
 Concen: 0.461 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN060030.D
 Acq: 7 Feb 2020 14:38

Tgt Ion: 63 Resp: 907
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 64.90 (64.60 to 65.60): VN0

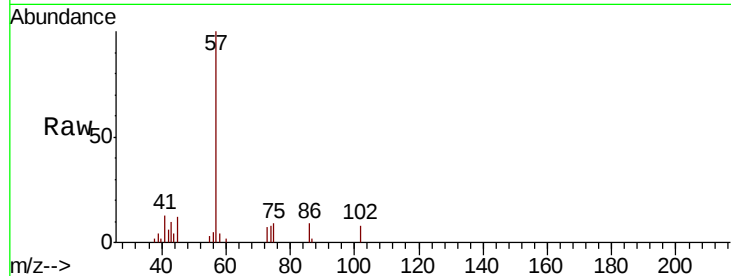




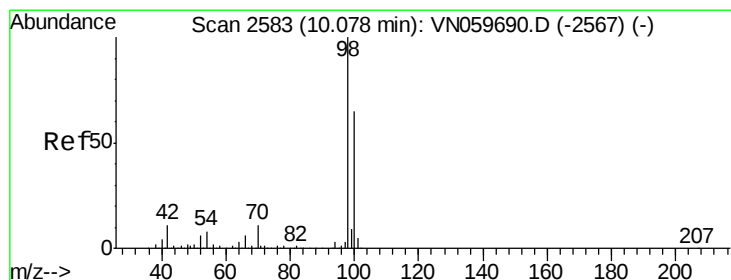
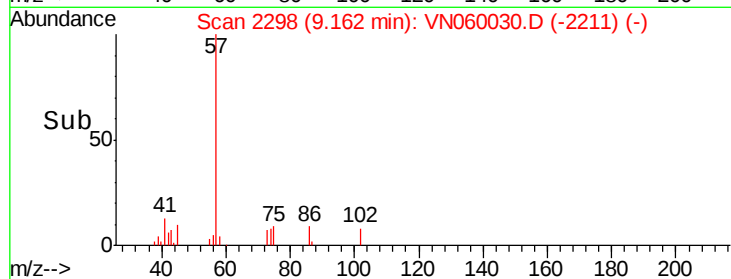
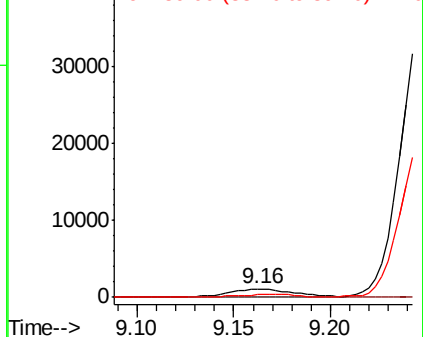
#48
Methvl methacrylate
Concen: 1.320 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060030.D
Acq: 7 Feb 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 2538
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#

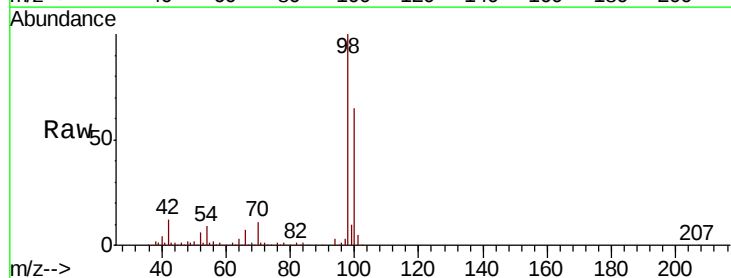


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

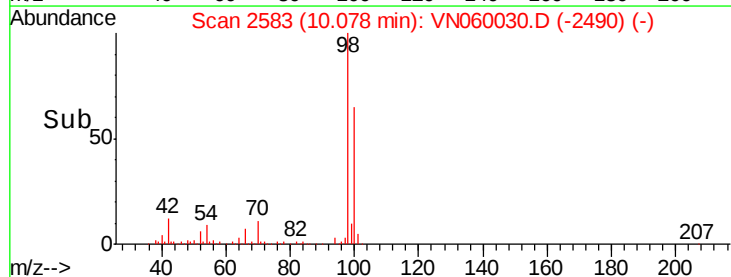
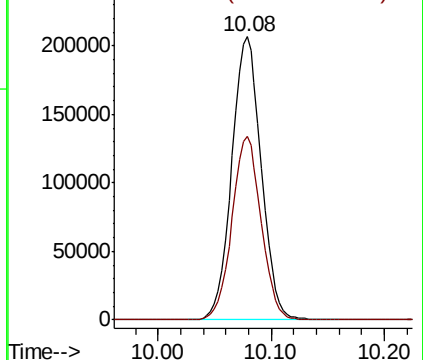


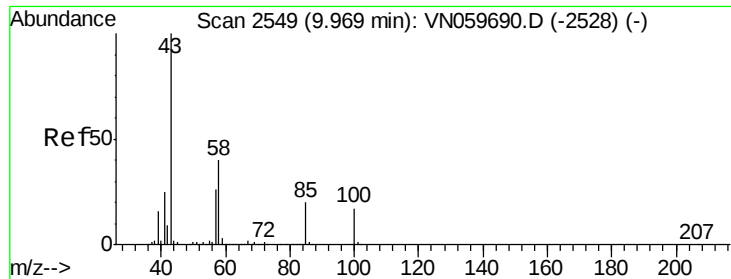
#50
Toluene-d8
Concen: 52.864 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060030.D
Acq: 7 Feb 2020 14:38

Tgt Ion: 98 Resp: 373752
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

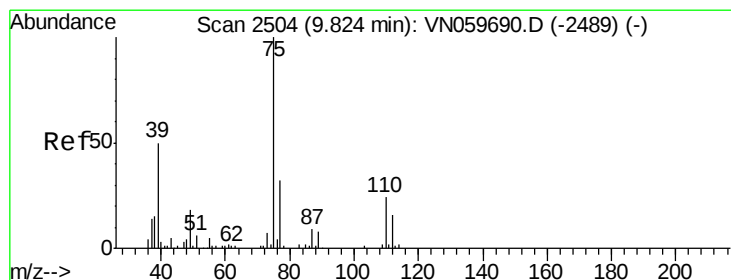
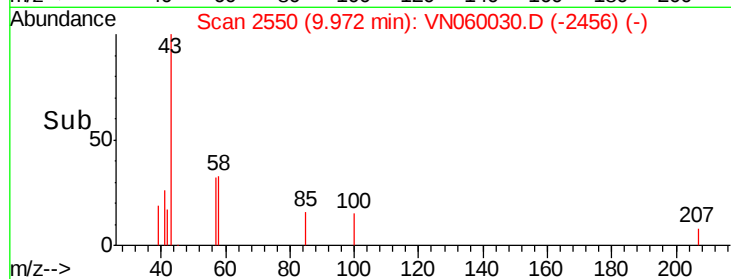
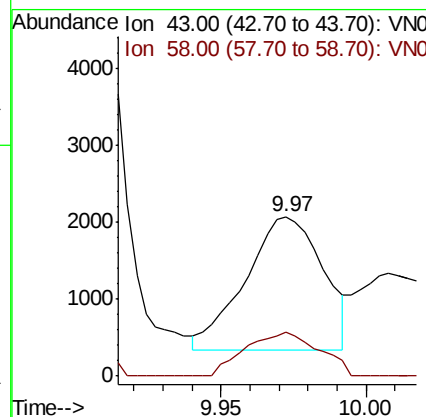
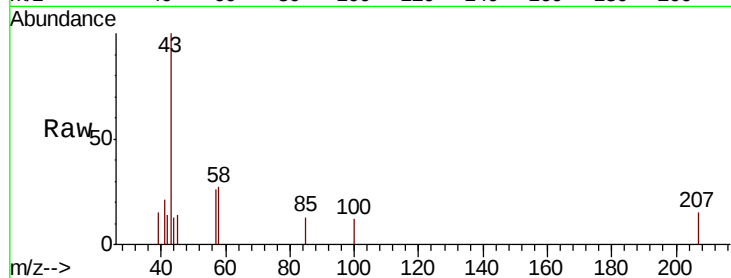




#51
 4-Methyl-2-Pentanone
 Concen: 1.298 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN060030.D
 Acq: 7 Feb 2020 14:38

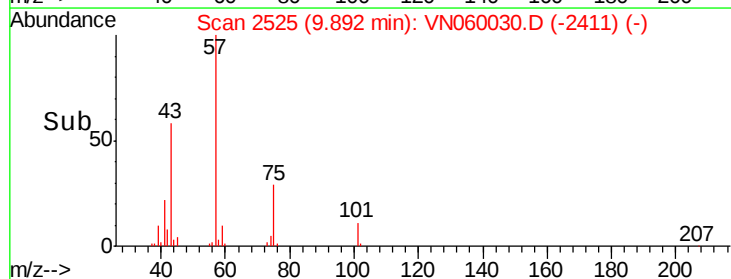
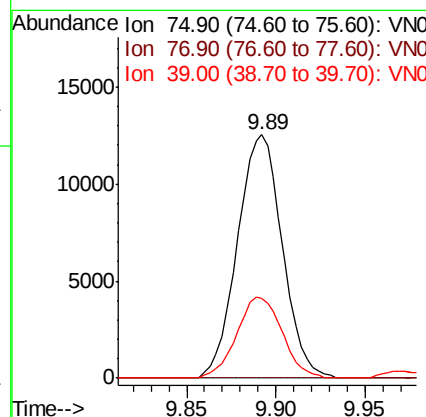
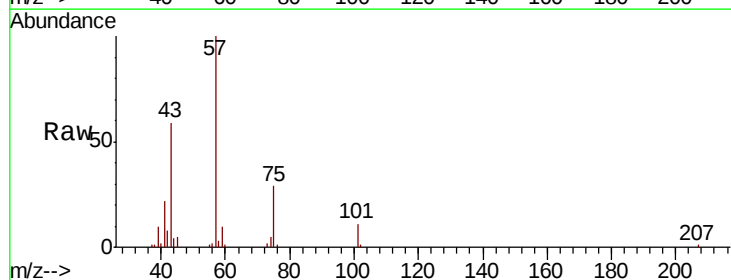
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 3226
 Ion Ratio Lower Upper
 43 100
 58 31.3 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 6.689 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN060030.D
 Acq: 7 Feb 2020 14:38

Tgt Ion: 75 Resp: 21969
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 32.8 46.1 69.1#





#57

1,3-Dichloropropane

Concen: 1.127 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060030.D

Acq: 7 Feb 2020 14:38

Instrument :

MSVOA_N

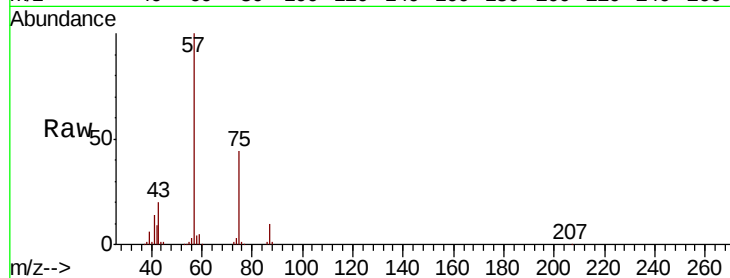
ClientSampled :

Tot Ion: 76 Resp: 3556

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

10.75

2500

2000

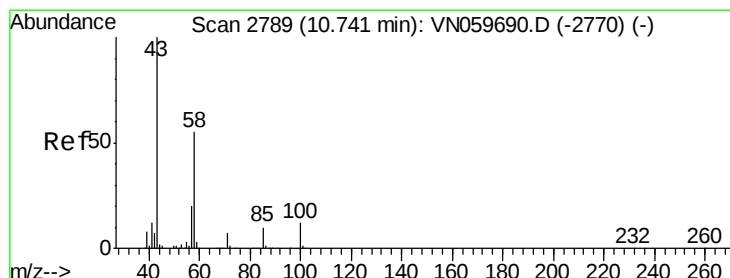
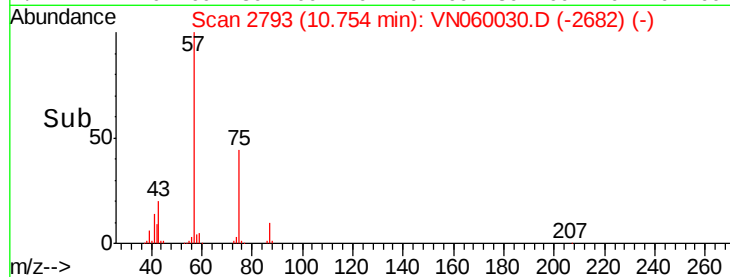
1500

1000

500

0

Time--> 10.70 10.75 10.80



#59

2-Hexanone

Concen: 27.103 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060030.D

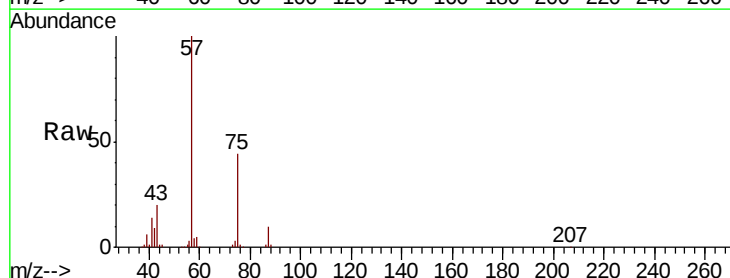
Acq: 7 Feb 2020 14:38

Tgt Ion: 43 Resp: 49617

Ion Ratio Lower Upper

43 100

58 19.6 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

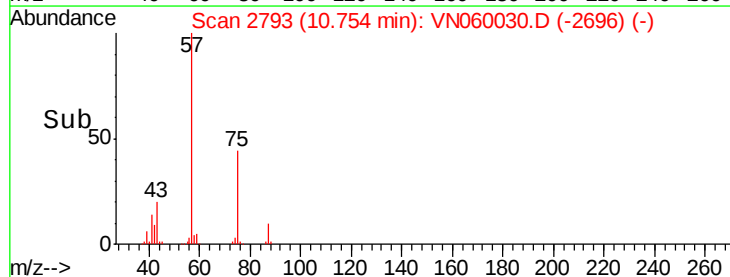
30000

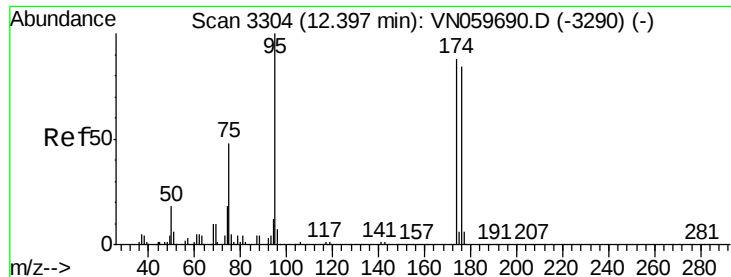
20000

10000

0

Time--> 10.70 10.75 10.80

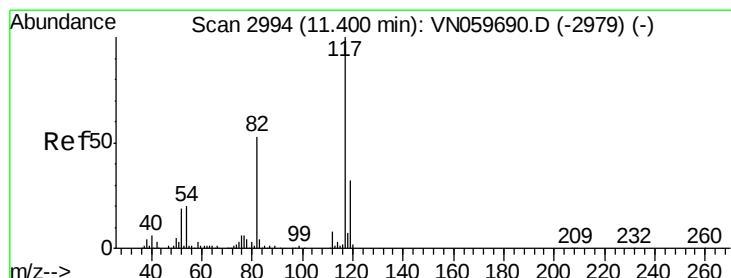
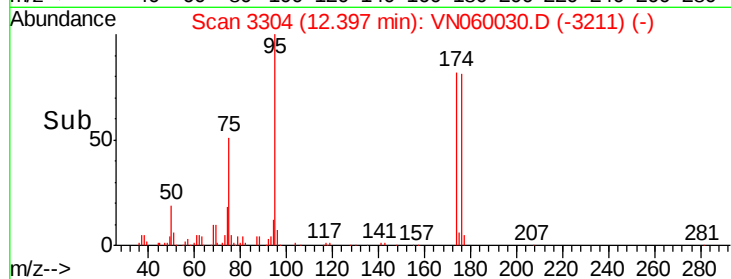
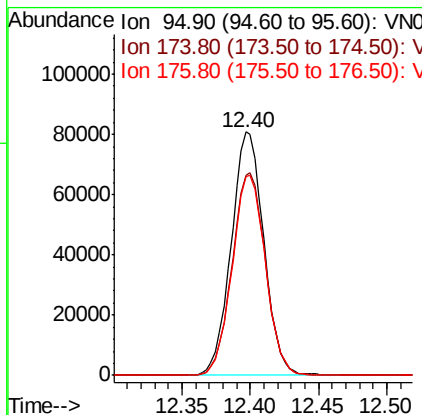
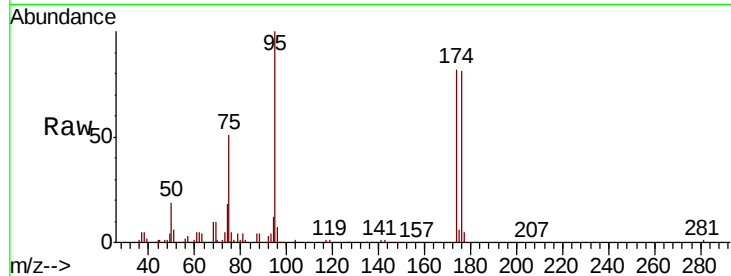




#62
4-Bromofluorobenzene
Concen: 52.581 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060030.D
Acq: 7 Feb 2020 14:38

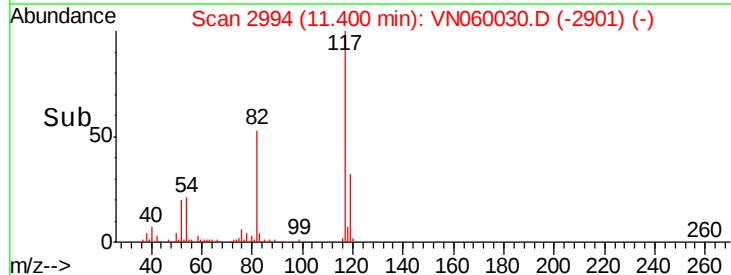
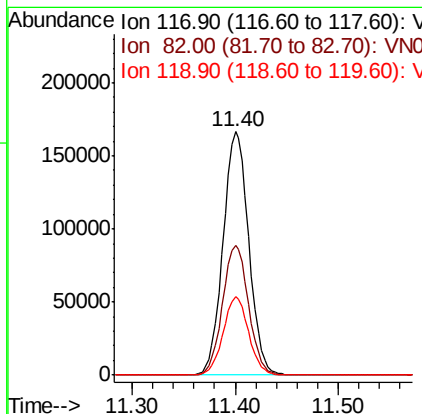
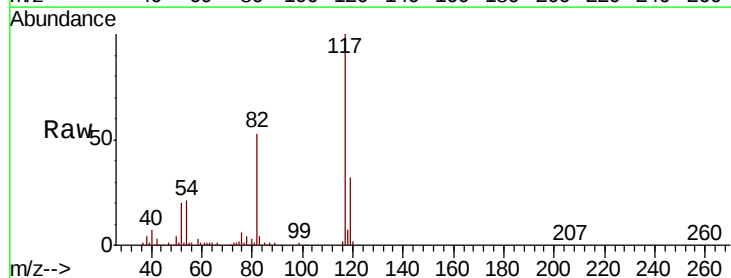
Instrument :
MSVOA_N
ClientSampled :

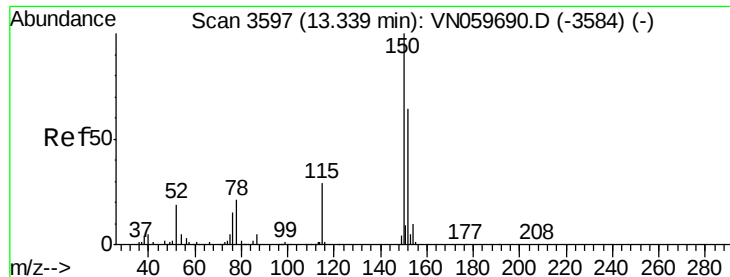
Tot Ion: 95 Resp: 134016
Ion Ratio Lower Upper
95 100
174 85.3 0.0 151.4
176 83.9 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060030.D
Acq: 7 Feb 2020 14:38

Tgt Ion: 117 Resp: 288756
Ion Ratio Lower Upper
117 100
82 53.4 45.9 68.9
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN060030.D

Acq: 7 Feb 2020 14:38

Instrument :

MSVOA_N

ClientSampleId :

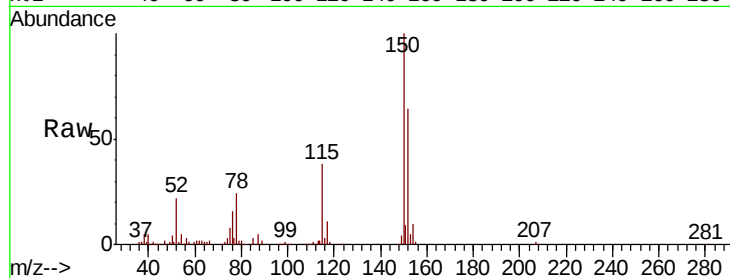
Tot Ion:152 Resp: 130640

Ion Ratio Lower Upper

152 100

115 59.1 30.3 90.9

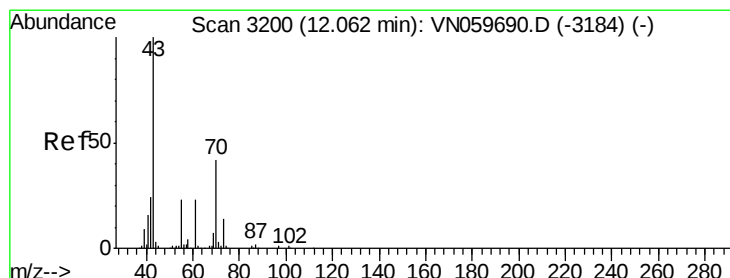
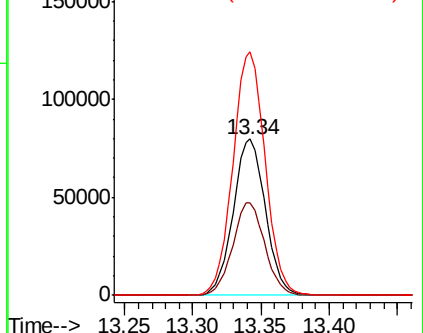
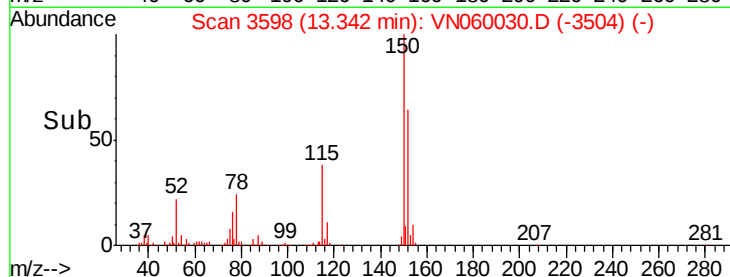
150 156.4 0.0 345.2



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-ethyl acetate

Concen: 0.417 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN060030.D

Acq: 7 Feb 2020 14:38

Tgt Ion: 43 Resp: 1551

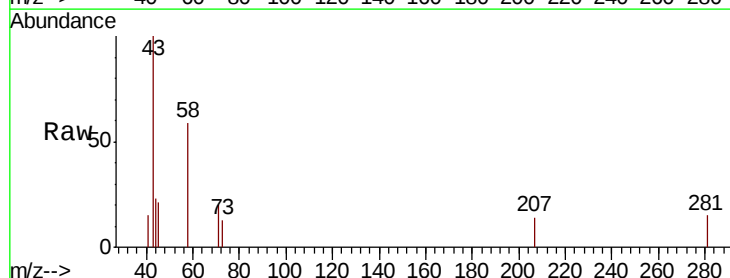
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

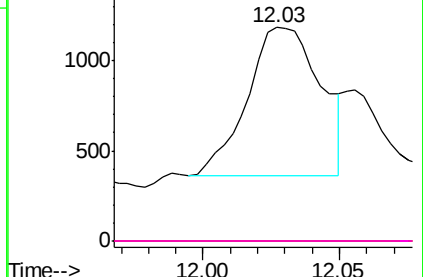
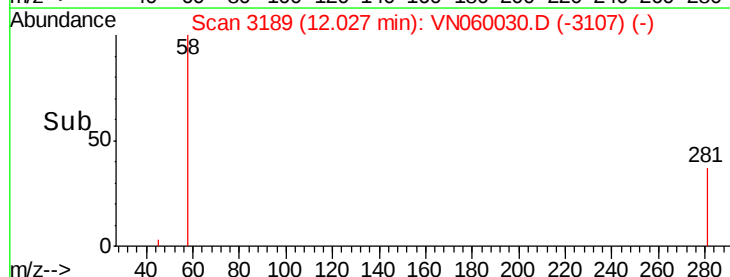


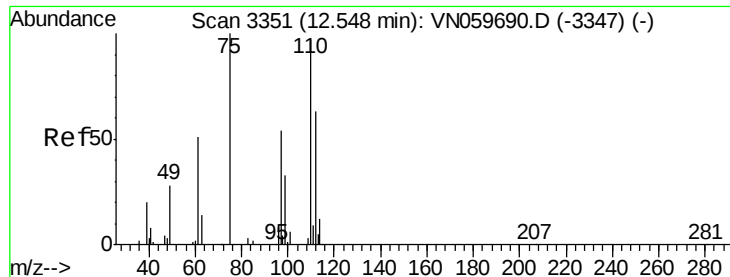
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 31.260 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060030.D

Acq: 7 Feb 2020 14:38

Instrument :

MSVOA_N

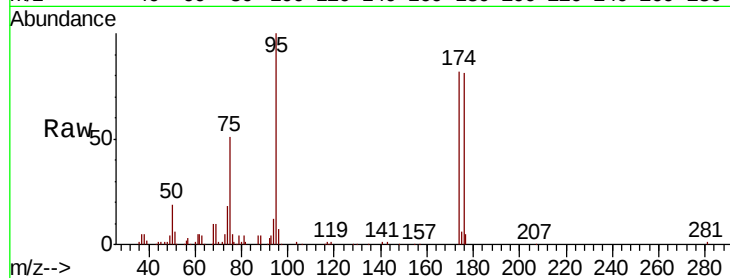
ClientSampled :

Tot Ion: 75 Resp: 68727

Ion Ratio Lower Upper

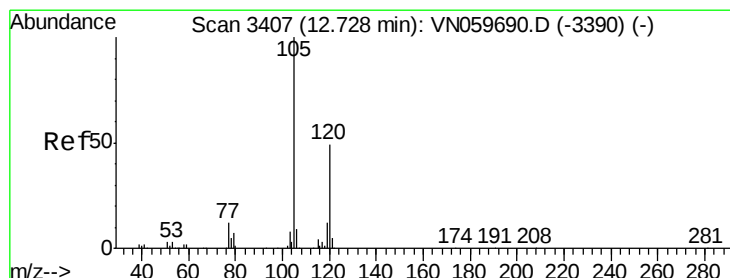
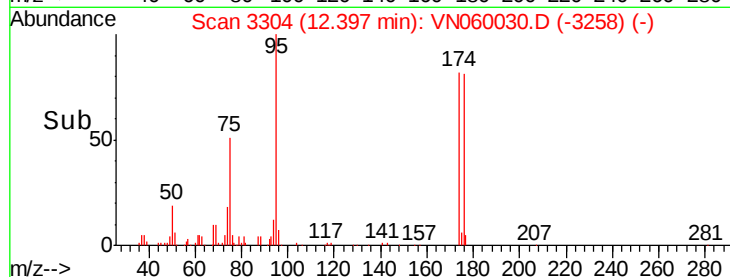
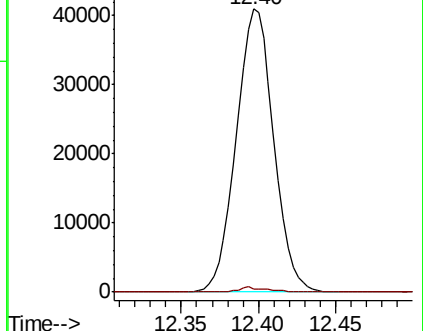
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060030.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060030.D (-3304) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.264 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060030.D

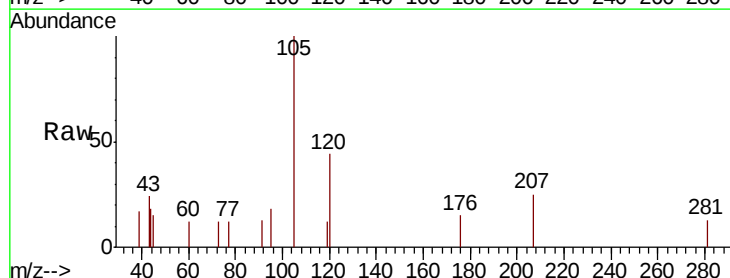
Acq: 7 Feb 2020 14:38

Tgt Ion: 105 Resp: 2124

Ion Ratio Lower Upper

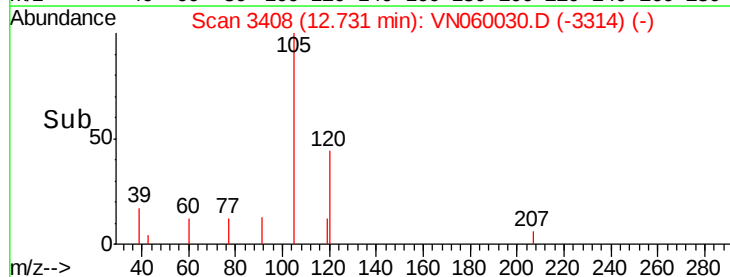
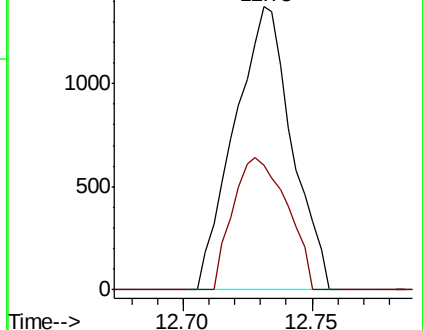
105 100

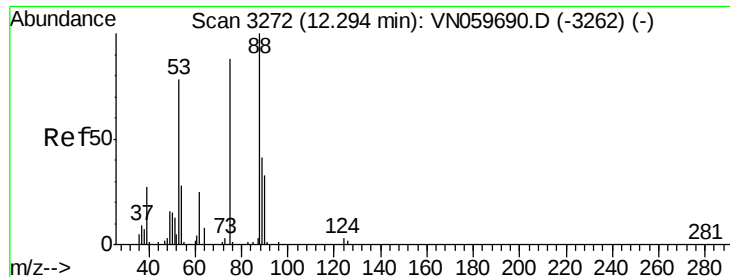
120 44.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060030.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060030.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 67.132 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060030.D

Acq: 7 Feb 2020 14:38

Instrument :

MSVOA_N

ClientSampled :

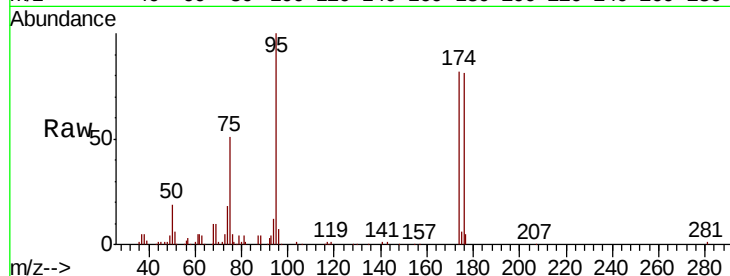
Tot Ion: 75 Resp: 68727

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

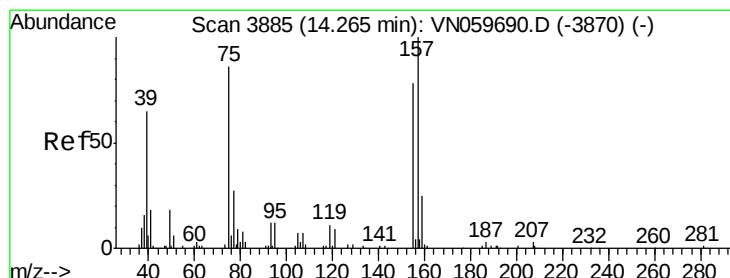
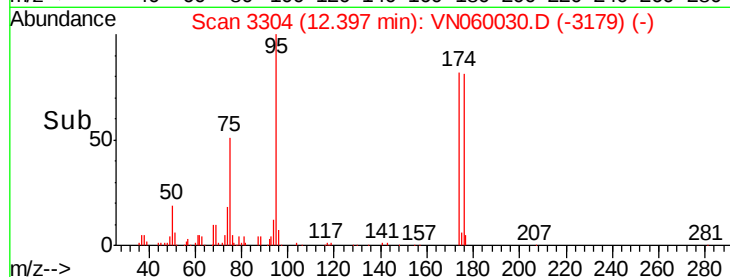
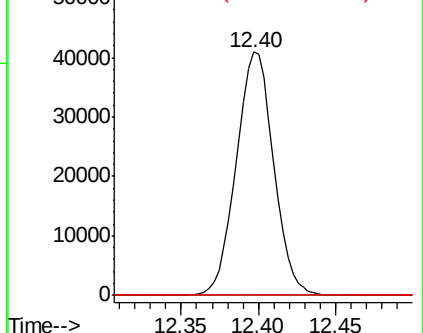
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.35 min Scan# 3910

Delta R.T. 0.08 min

Lab File: VN060030.D

Acq: 7 Feb 2020 14:38

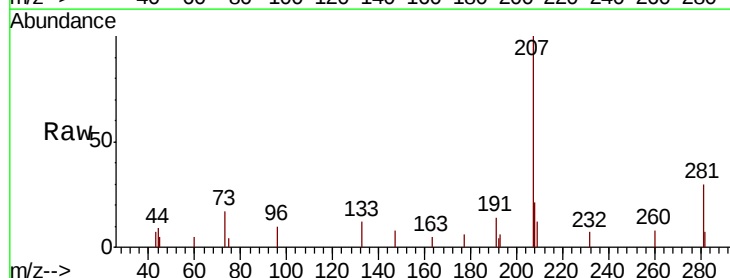
Tgt Ion: 75 Resp: 58

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

