

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021720\
 Data File : VN060124.D
 Acq On : 17 Feb 2020 17:00
 Operator : JC/MD
 Sample : L1530-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 18 02:07:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	181294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	288633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	267367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	121727	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	111206	50.41	ug/l	0.00
Spiked Amount						
			Recovery	=	100.82%	
35) Dibromofluoromethane	7.57	113	87673	49.41	ug/l	0.00
Spiked Amount						
			Recovery	=	98.82%	
50) Toluene-d8	10.08	98	350896	50.22	ug/l	0.00
Spiked Amount						
			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	126105	49.12	ug/l	0.00
Spiked Amount						
			Recovery	=	98.24%	

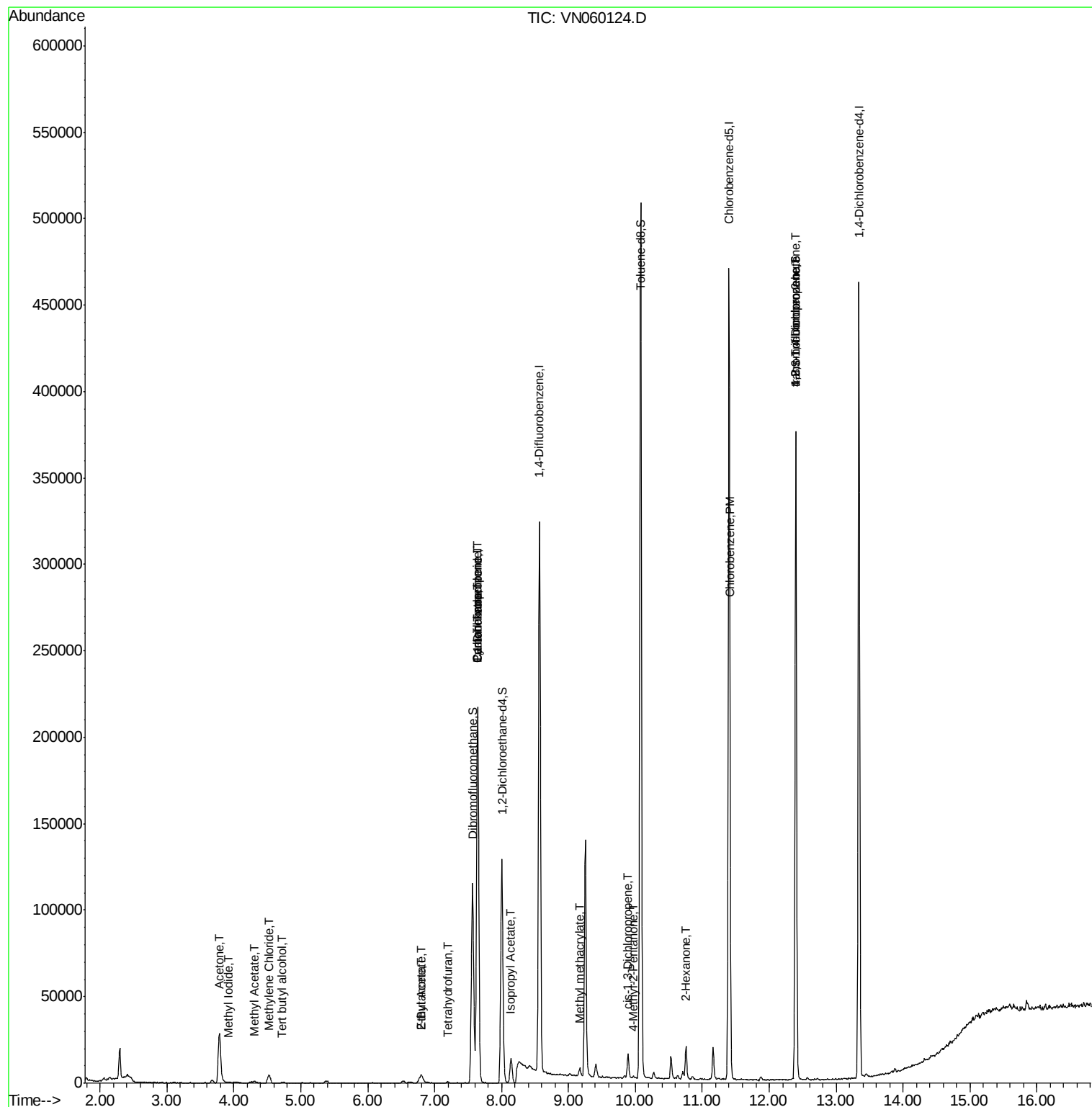
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.93	142	106	2.532	ug/l #	42
11) Tert butyl alcohol	4.72	59	339	1.027	ug/l #	72
16) Acetone	3.78	43	50256	52.227	ug/l	99
18) Methyl Acetate	4.30	43	2084	1.153	ug/l #	77
20) Methylene Chloride	4.52	84	3632	1.892	ug/l #	89
25) 2-Butanone	6.81	43	7521	6.215	ug/l	97
29) Tetrahydrofuran	7.20	42	815	1.098	ug/l #	45
31) Cyclohexane	7.64	56	3856	1.236	ug/l #	10
36) 1,1-Dichloropropene	7.64	75	13342	4.991	ug/l #	48
37) Ethyl Acetate	6.81	43	7521	3.113	ug/l #	68
38) Carbon Tetrachloride	7.64	117	16726	5.761	ug/l #	15
43) Isopropyl Acetate	8.14	43	17841	4.320	ug/l #	88
48) Methyl methacrylate	9.16	41	2508	1.353	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	1434	0.600	ug/l #	57
54) cis-1,3-Dichloropropene	9.89	75	2645	0.789	ug/l #	63
59) 2-Hexanone	10.76	43	2717	1.471	ug/l #	52
65) Chlorobenzene	11.42	112	1627	0.299	ug/l #	86
76) 1,2,3-Trichloropropane	12.40	75	65813	28.259	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	65813	69.193	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.21	75	60	Below Cal	#	1

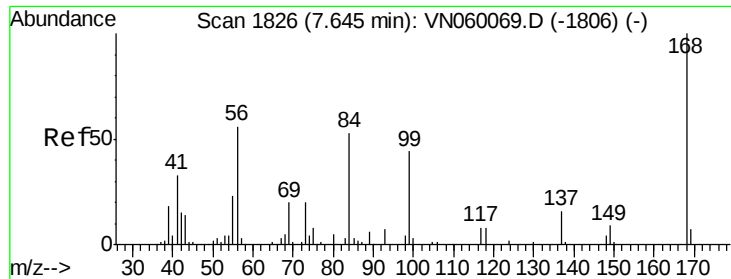
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 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: VN060124.D

Acq: 17 Feb 2020 17:00

Instrument :

MSVOA_N

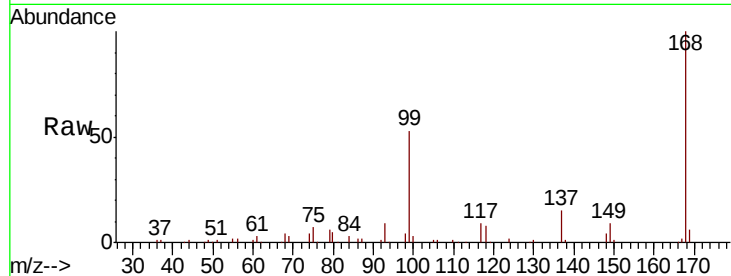
ClientSampleId :

Tot Ion:168 Resp: 181294

Ion Ratio Lower Upper

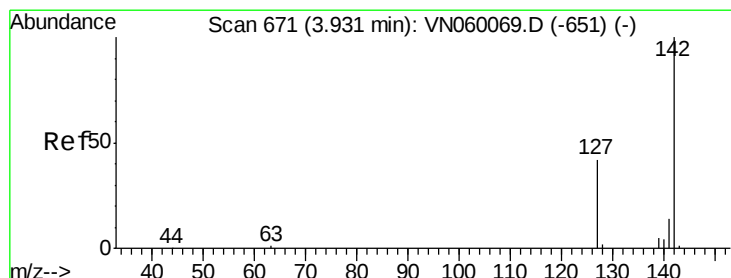
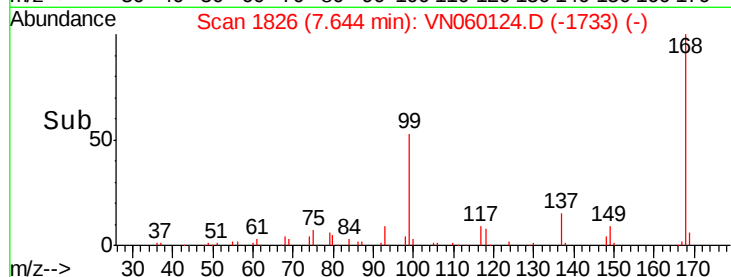
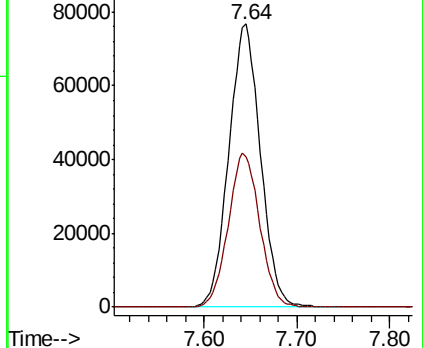
168 100

99 53.3 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#10

Methyl Iodide

Concen: 2.532 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060124.D

Acq: 17 Feb 2020 17:00

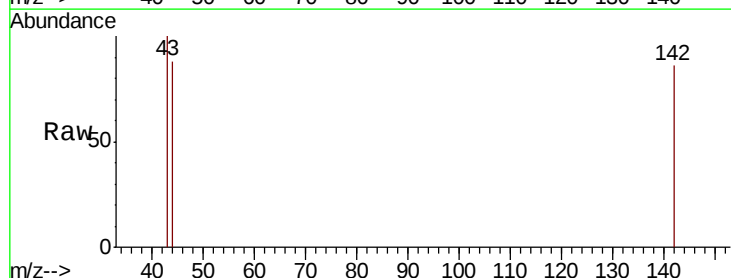
Tgt Ion:142 Resp: 106

Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

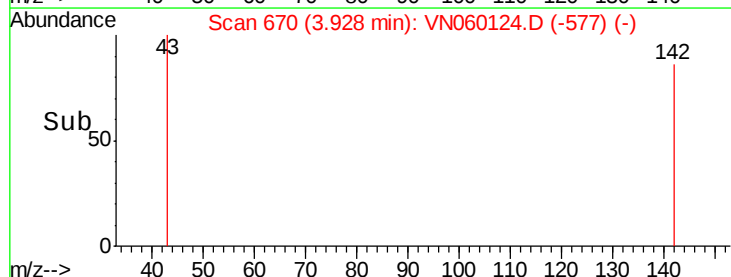
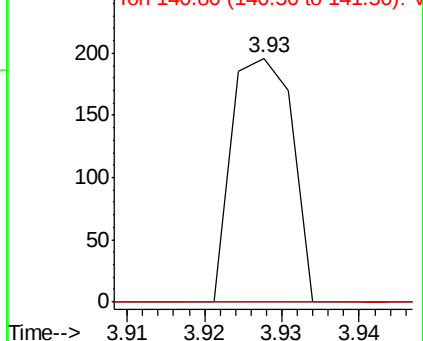
141 0.0 11.4 17.2#

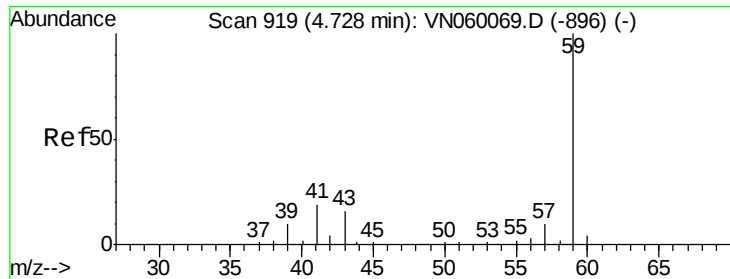


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

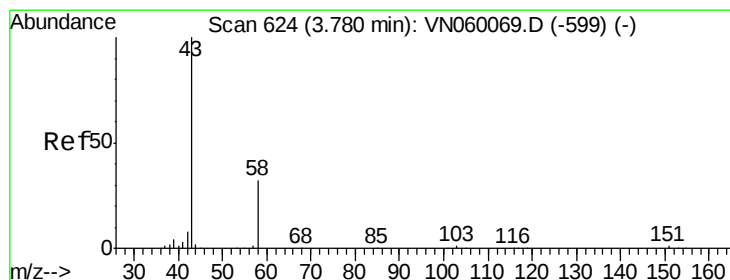
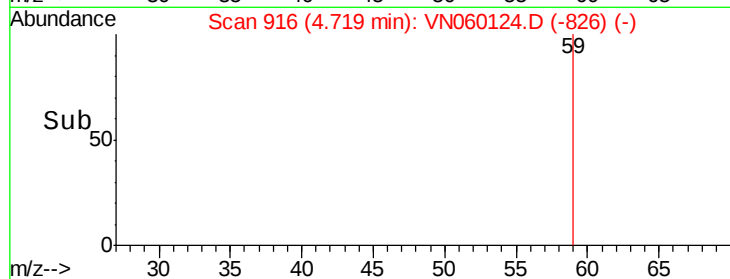
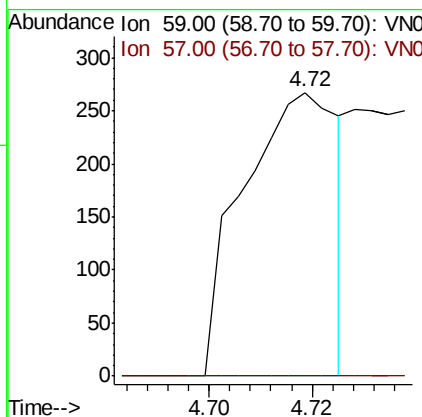
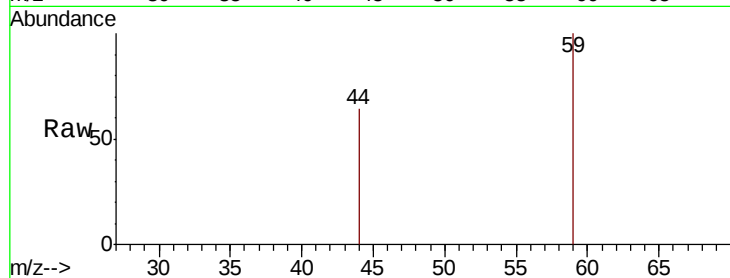




#11
Tert butyl alcohol
Concen: 1.027 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.01 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

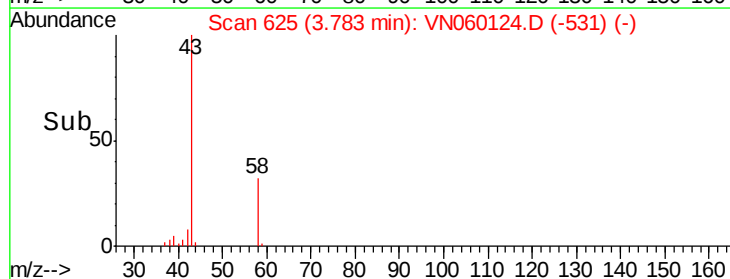
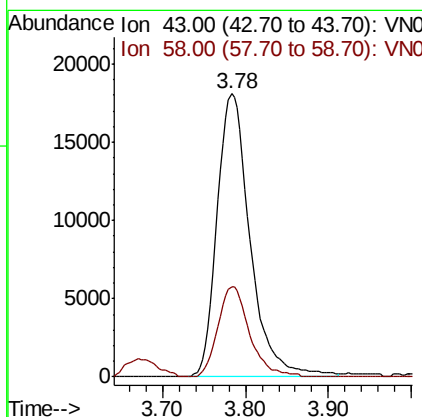
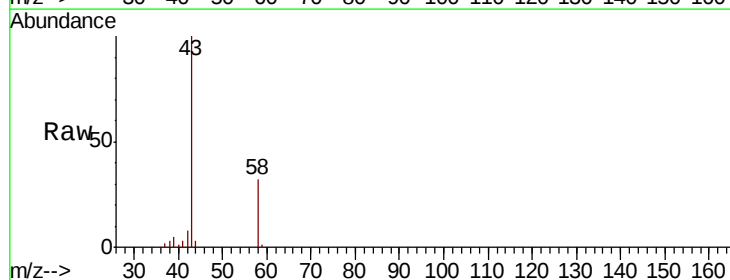
Instrument :
MSVOA_N
ClientSampled :

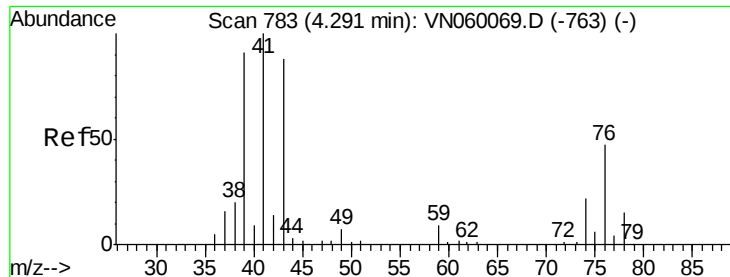
Tot Ion: 59 Resp: 339
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 52.227 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.00 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

Tgt Ion: 43 Resp: 50256
Ion Ratio Lower Upper
43 100
58 32.0 25.2 37.8

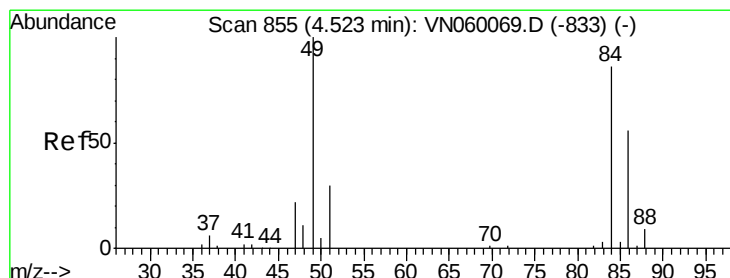
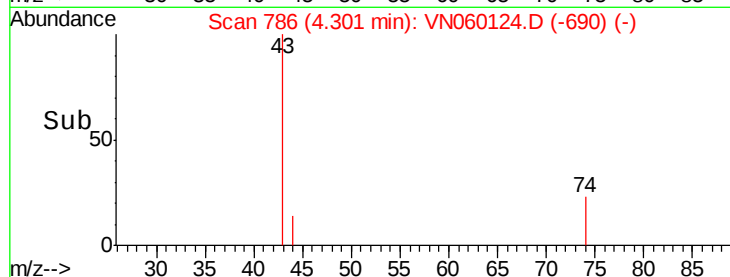
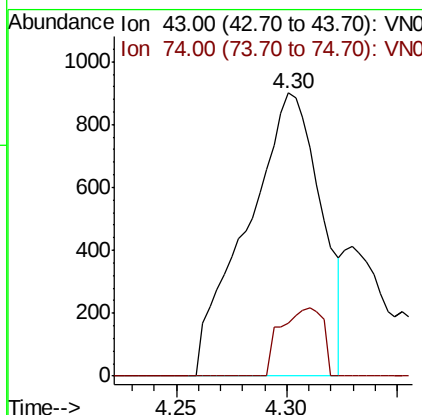
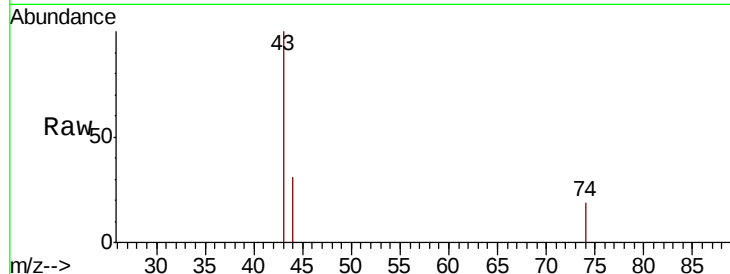




#18
Methvl Acetate
Concen: 1.153 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

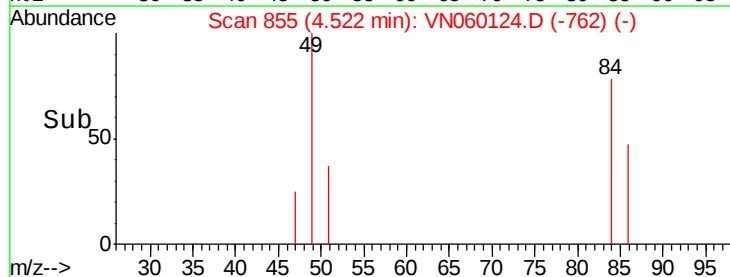
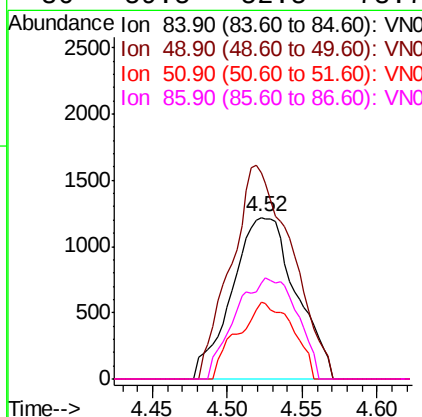
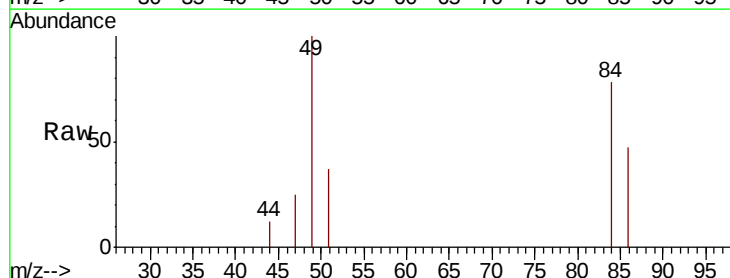
Instrument :
MSVOA_N
ClientSampled :

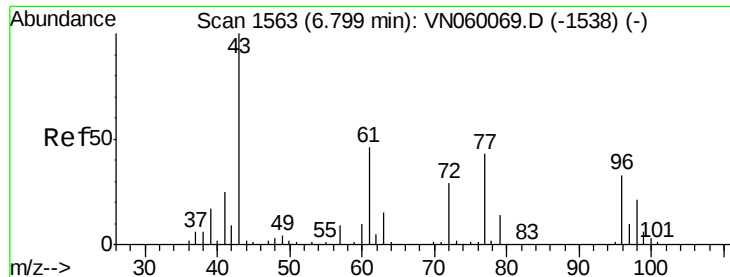
Tot Ion: 43 Resp: 2084
Ion Ratio Lower Upper
43 100
74 13.8 20.3 30.5#



#20
Methylene Chloride
Concen: 1.892 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

Tgt Ion: 84 Resp: 3632
Ion Ratio Lower Upper
84 100
49 127.5 93.4 140.0
51 47.7 28.4 42.6#
86 59.5 52.5 78.7

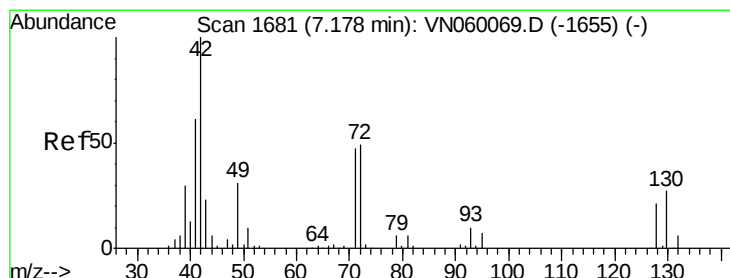
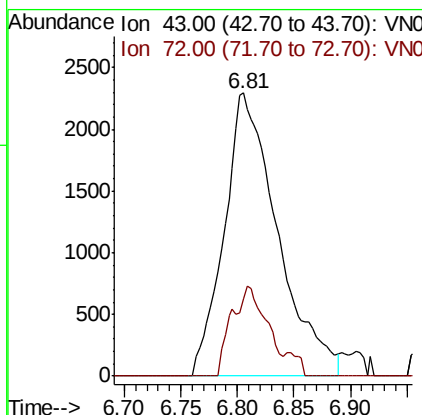
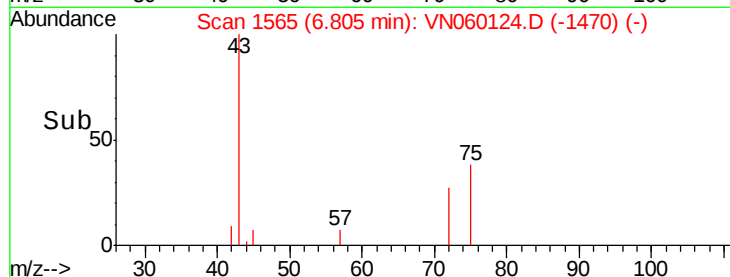
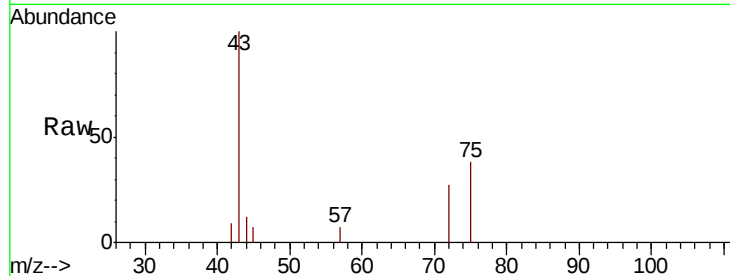




#25
2-Butanone
Concen: 6.215 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

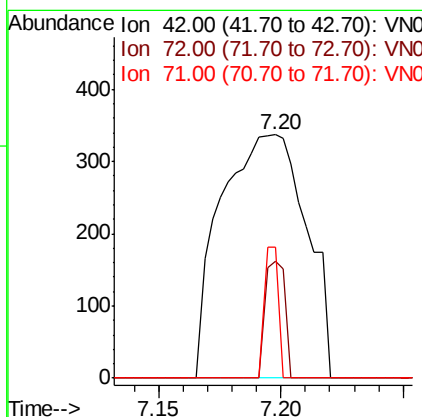
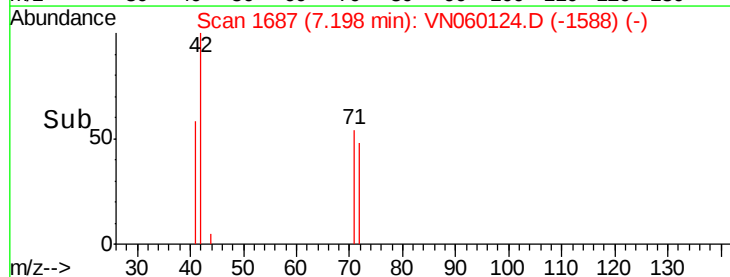
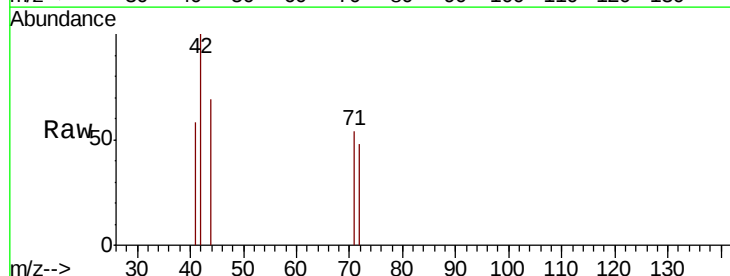
Instrument :
MSVOA_N
ClientSampled :

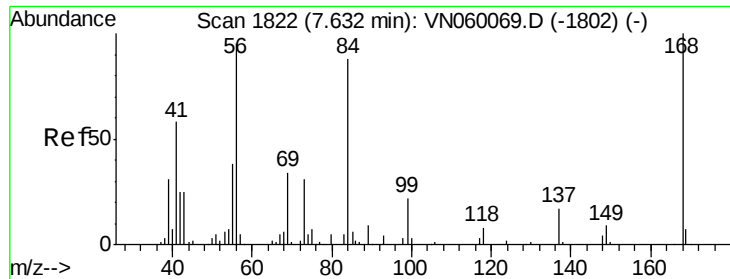
Tot Ion: 43 Resp: 7521
Ion Ratio Lower Upper
43 100
72 27.3 23.3 34.9



#29
Tetrahydrofuran
Concen: 1.098 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.02 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

Tgt Ion: 42 Resp: 815
Ion Ratio Lower Upper
42 100
72 11.0 38.2 57.4#
71 8.6 36.6 54.8#

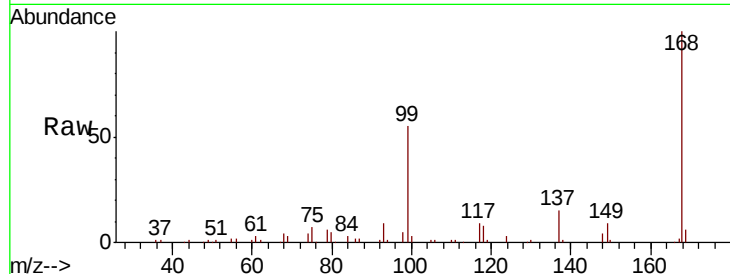




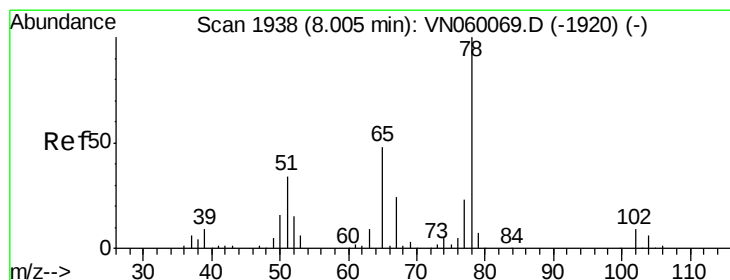
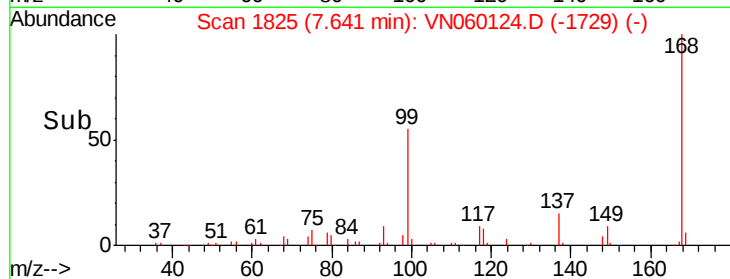
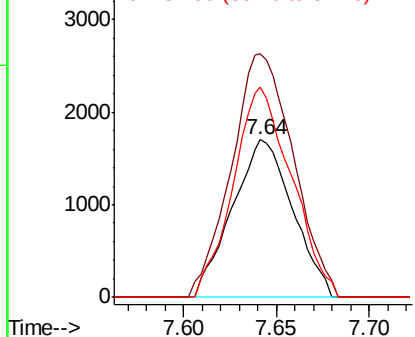
#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 3856
Ion Ratio Lower Upper
56 100
69 154.8 28.3 42.5#
84 133.9 72.6 108.8#

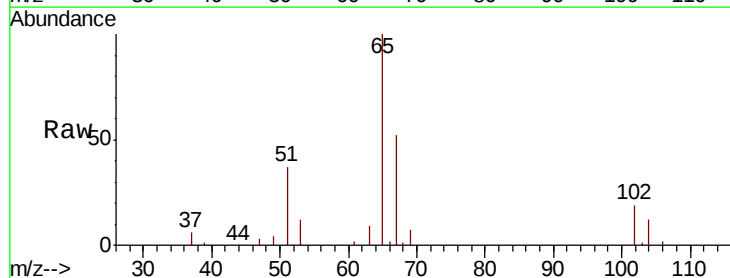


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

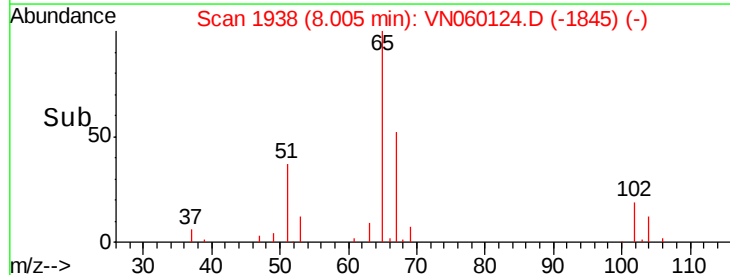
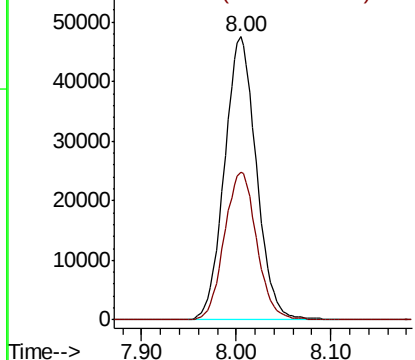


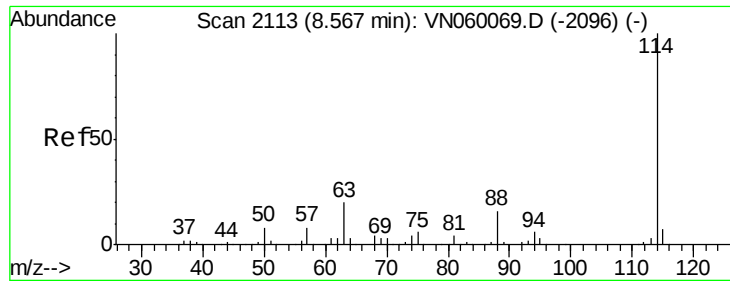
#33
1,2-Dichloroethane-d4
Concen: 50.410 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

Tgt Ion: 65 Resp: 111206
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.0



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

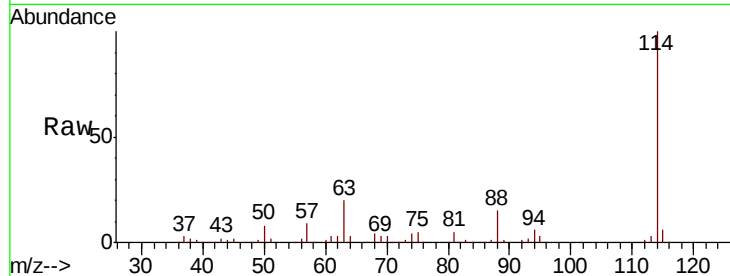




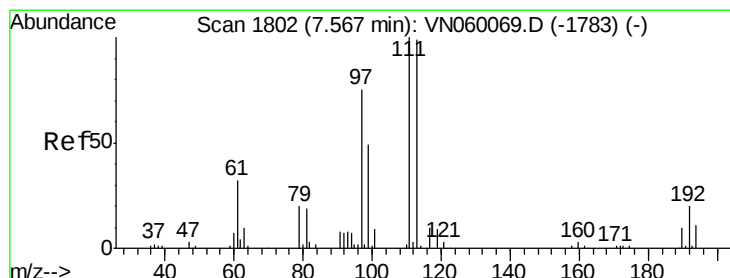
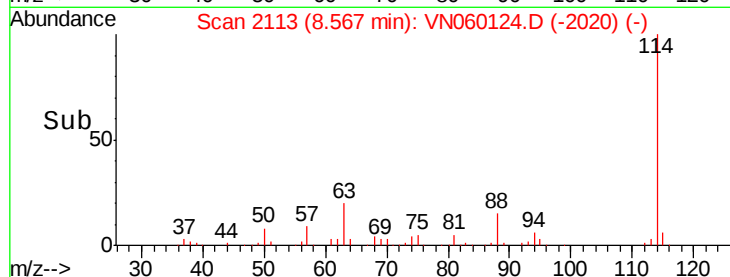
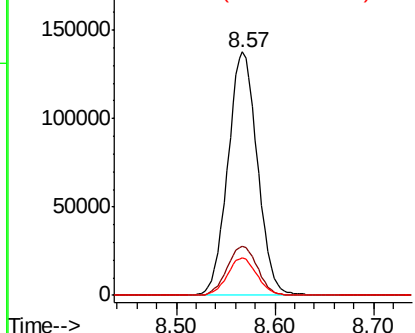
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 288633
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.0
88 15.4 0.0 31.6

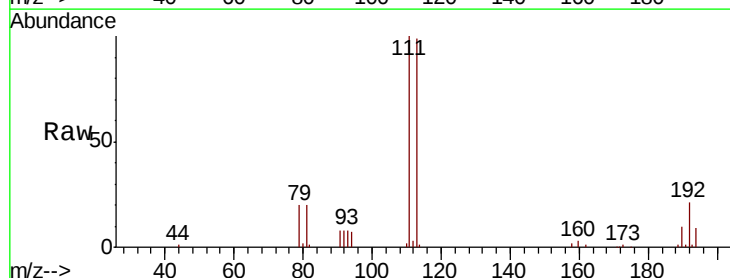


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

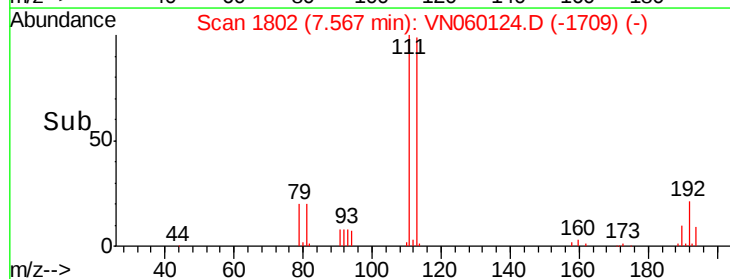
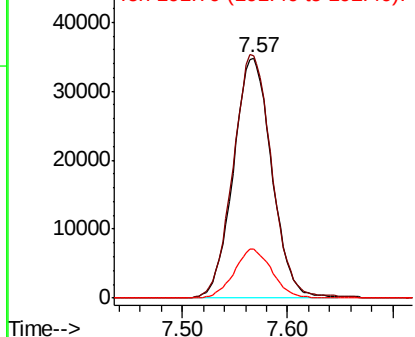


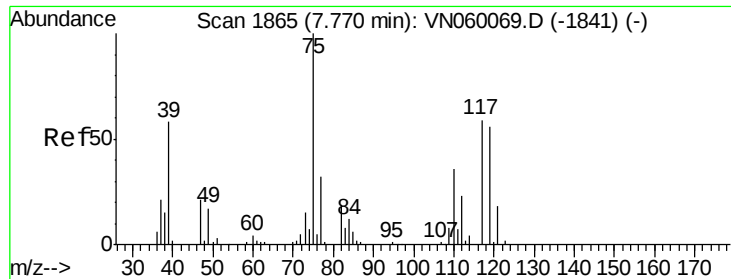
#35
Dibromofluoromethane
Concen: 49.415 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

Tgt Ion:113 Resp: 87673
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.2
192 20.0 16.2 24.2



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

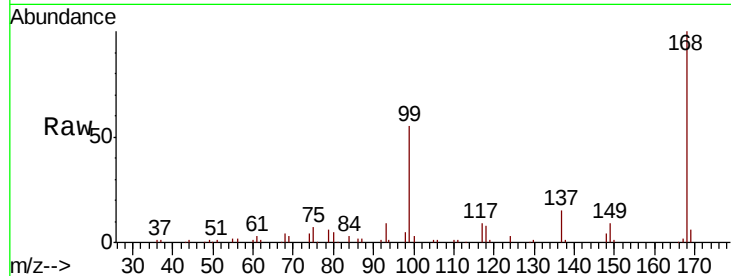




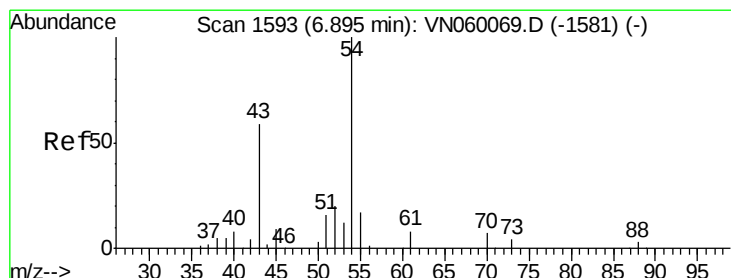
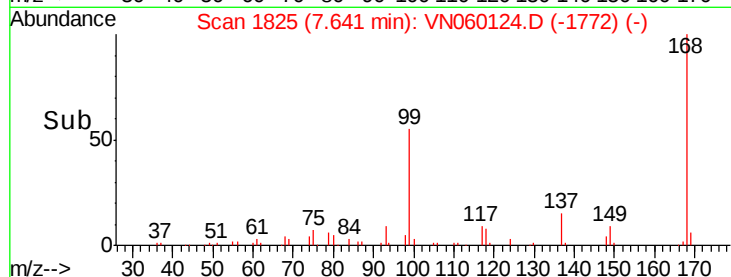
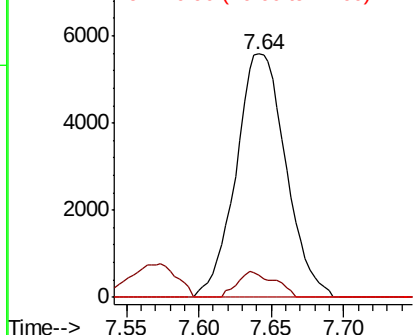
#36
 1,1-Dichloropropene
 Concen: 4.991 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060124.D
 Acq: 17 Feb 2020 17:00

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 13342
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.1 54.3#
 77 0.0 25.1 37.7#

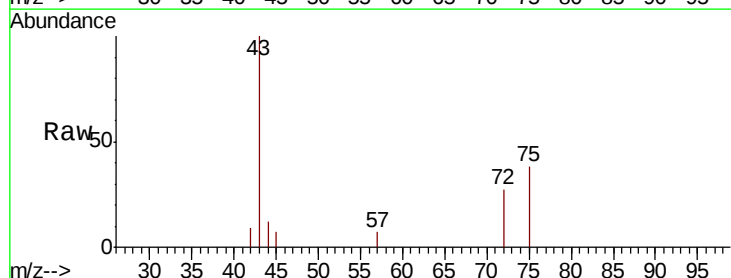


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

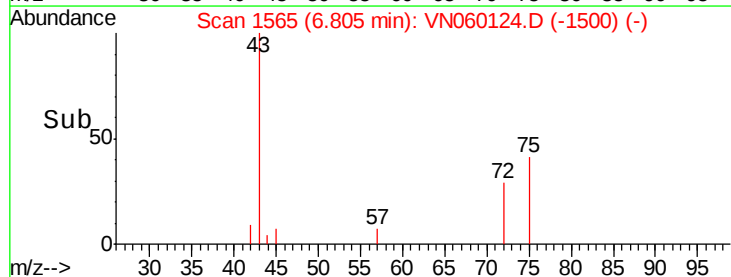
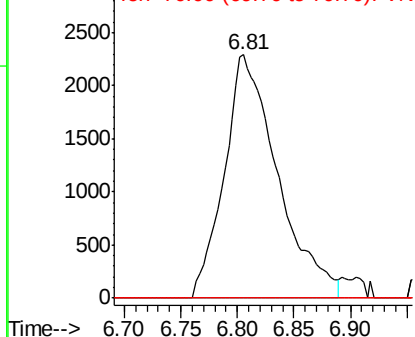


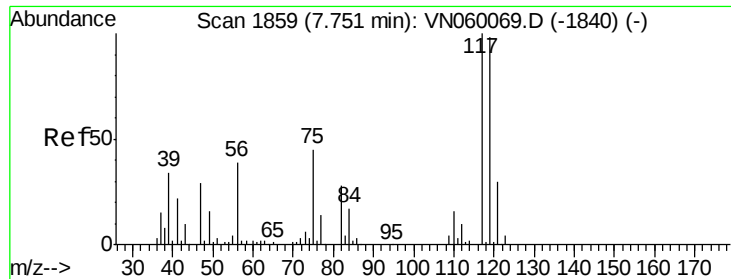
#37
 Ethyl Acetate
 Concen: 3.113 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.09 min
 Lab File: VN060124.D
 Acq: 17 Feb 2020 17:00

Tgt Ion: 43 Resp: 7521
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.4 17.2#
 70 0.0 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

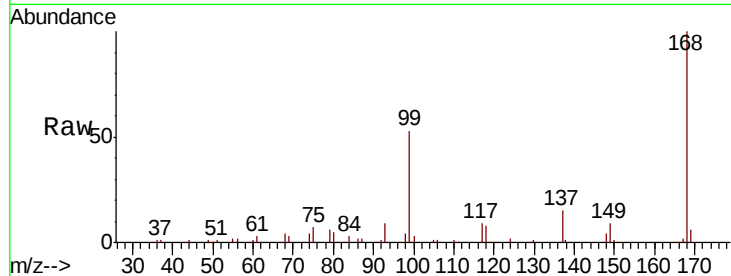




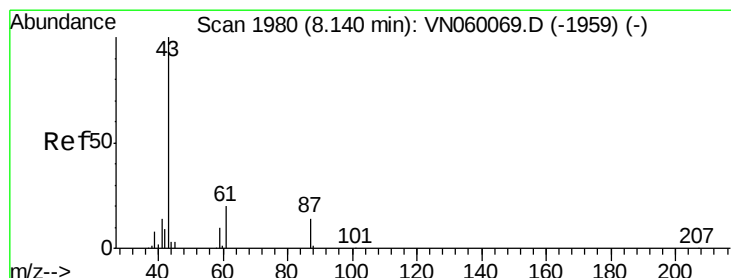
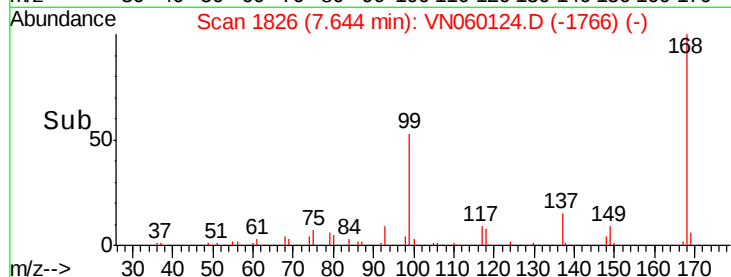
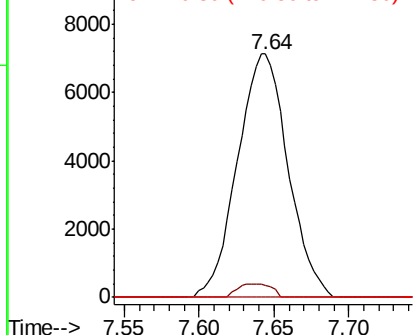
#38
Carbon Tetrachloride
Concen: 5.761 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 16726
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.4#
121 0.0 24.2 36.2#

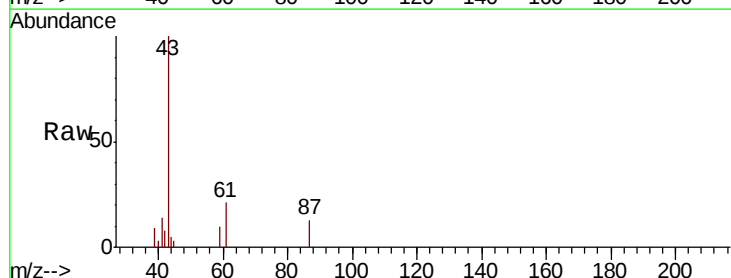


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

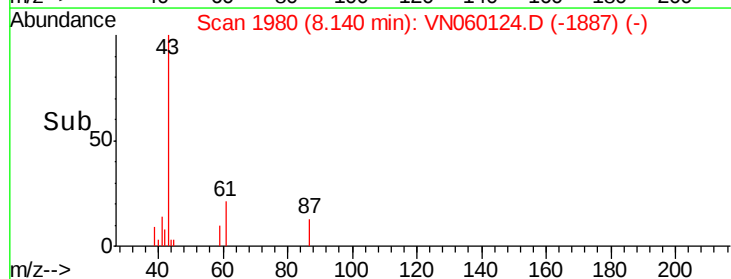
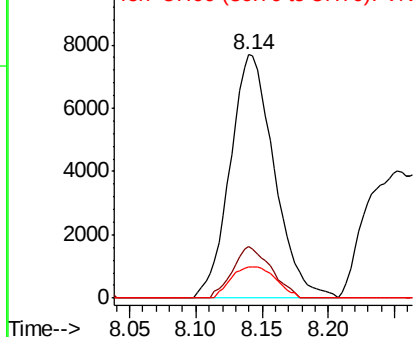


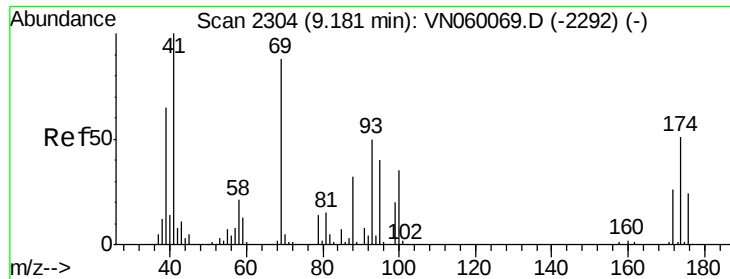
#43
Isopropyl Acetate
Concen: 4.320 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

Tgt Ion: 43 Resp: 17841
Ion Ratio Lower Upper
43 100
61 18.4 21.8 32.6#
87 12.9 11.4 17.2



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

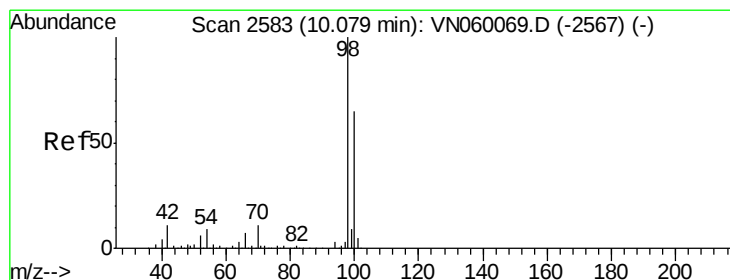
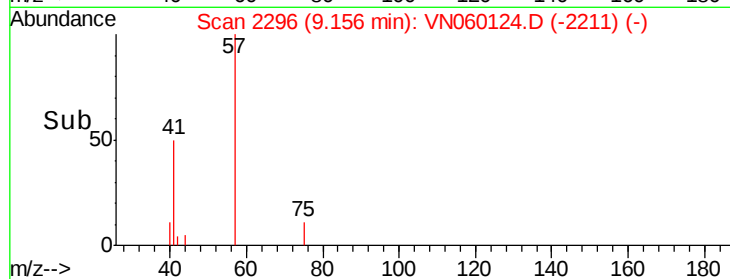
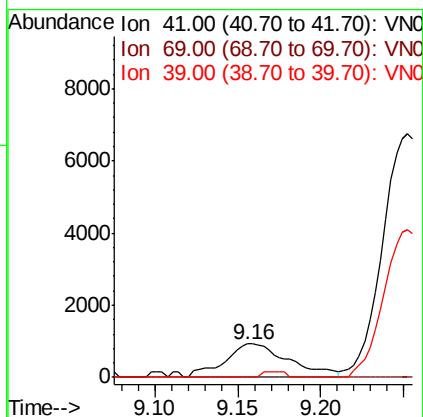
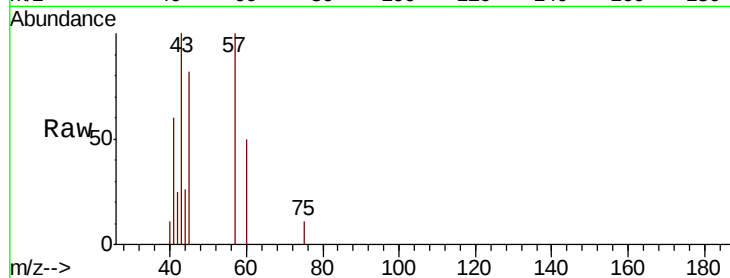




#48
Methvl methacrylate
Concen: 1.353 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

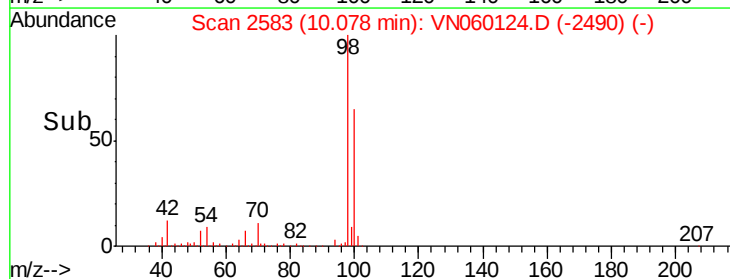
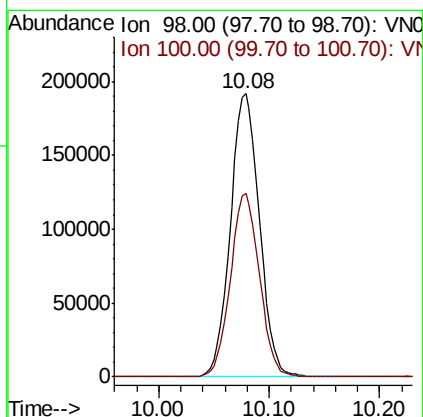
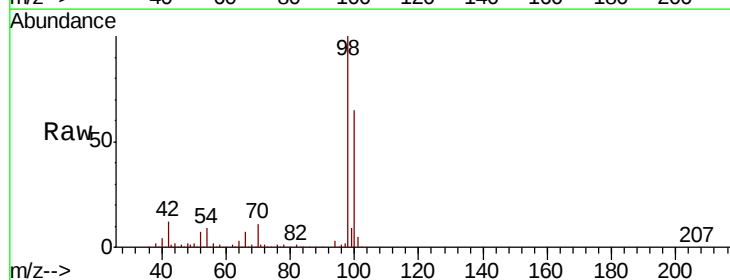
Instrument :
MSVOA_N
ClientSampled :

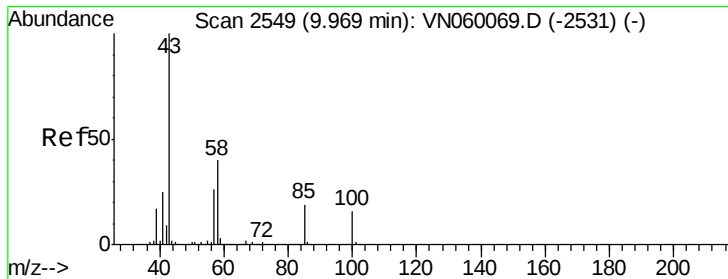
Tot Ion: 41 Resp: 2508
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 54.1 81.1#



#50
Toluene-d8
Concen: 50.223 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

Tgt Ion: 98 Resp: 350896
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.600 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060124.D

Acq: 17 Feb 2020 17:00

Instrument :

MSVOA_N

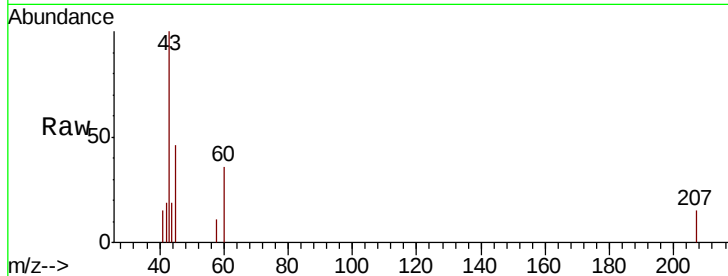
ClientSampled :

Tot Ion: 43 Resp: 1434

Ion Ratio Lower Upper

43 100

58 13.3 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2531) (-)

9.97

1500

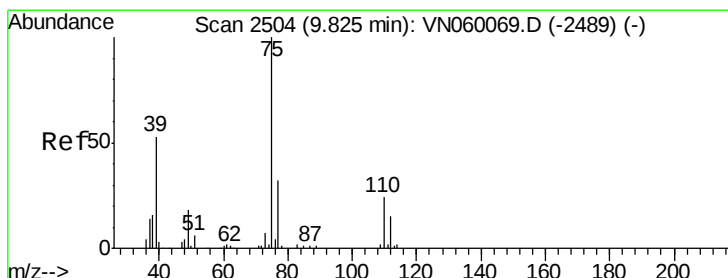
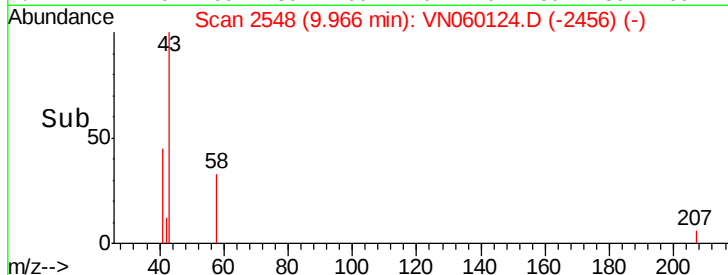
1000

500

0

9.95 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.789 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060124.D

Acq: 17 Feb 2020 17:00

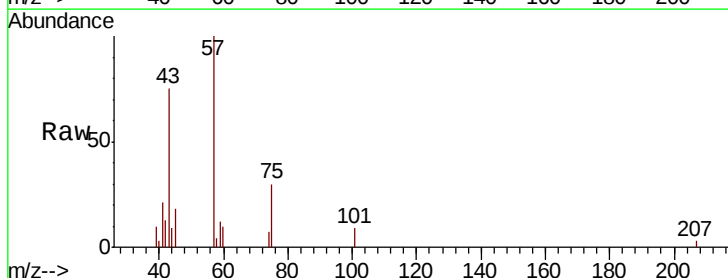
Tgt Ion: 75 Resp: 2645

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

39 35.0 42.2 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-2489) (-)

Ion 76.90 (76.60 to 77.60): VN060069.D (-2489) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-2489) (-)

9.89

2000

1500

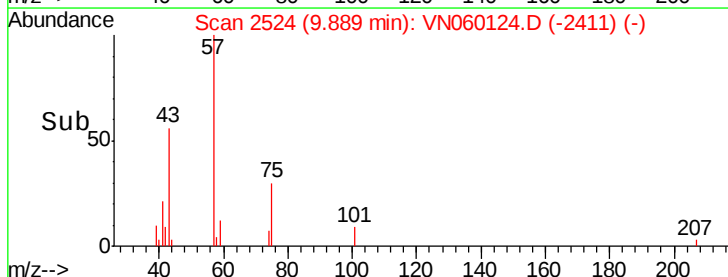
1000

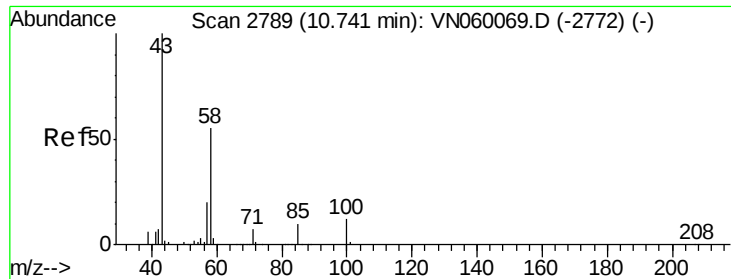
500

0

9.85 9.90

Time-->

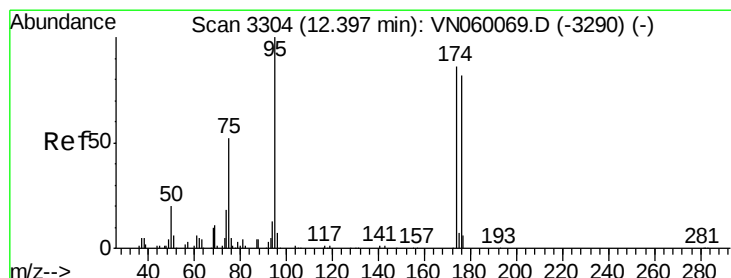
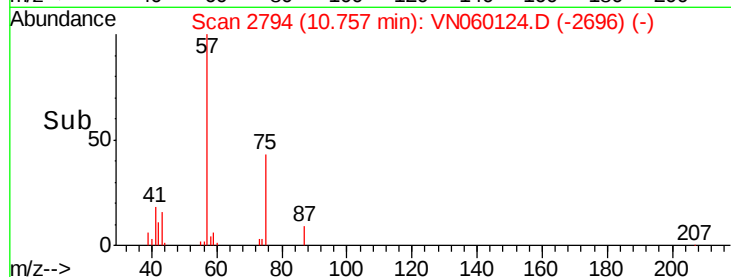
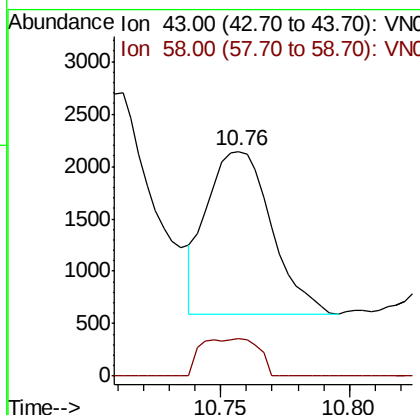
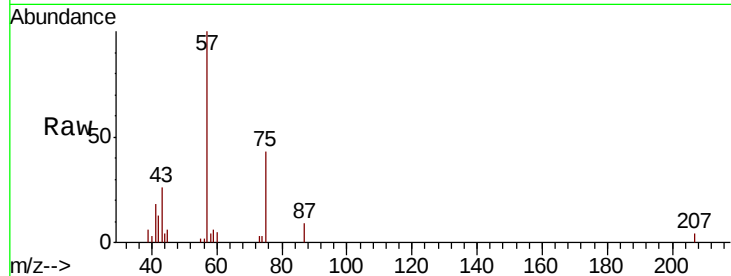




#59
2-Hexanone
Concen: 1.471 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.02 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

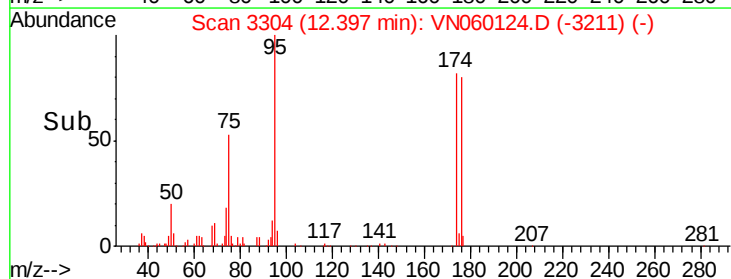
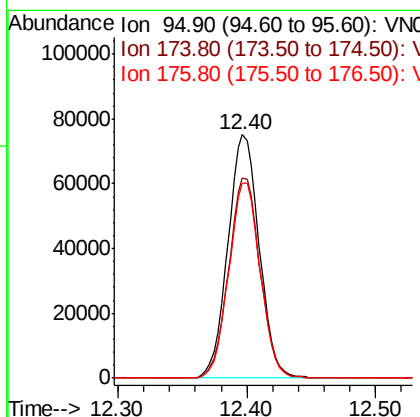
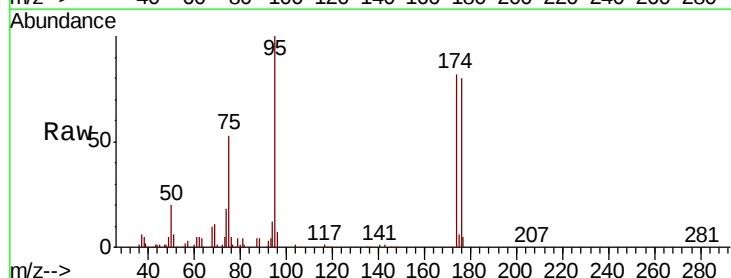
Instrument :
MSVOA_N
ClientSampleId :

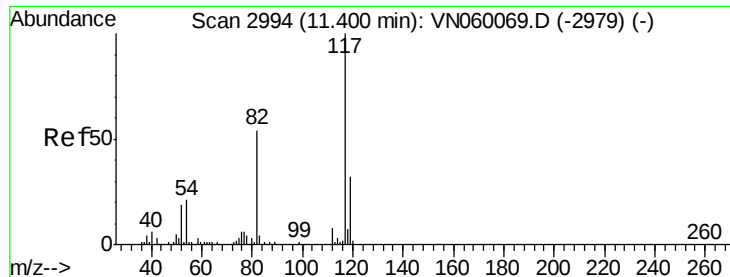
Tot Ion: 43 Resp: 2717
Ion Ratio Lower Upper
43 100
58 20.2 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 49.119 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

Tgt Ion: 95 Resp: 126105
Ion Ratio Lower Upper
95 100
174 82.8 0.0 169.8
176 80.6 0.0 164.8

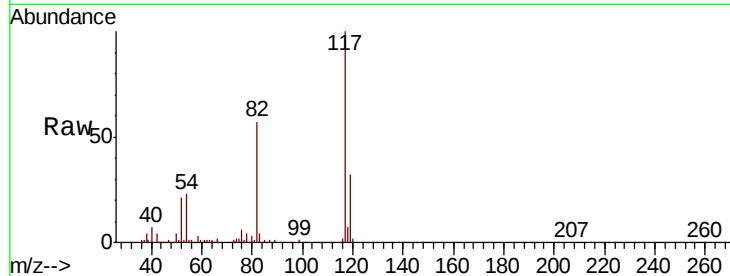




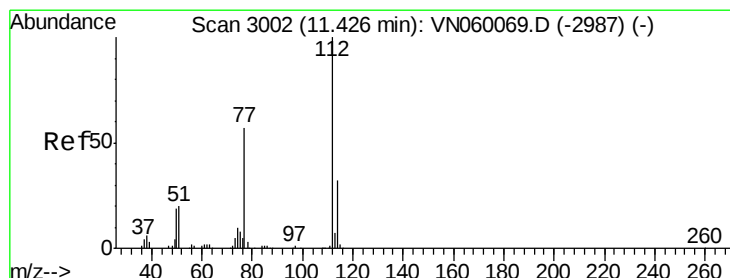
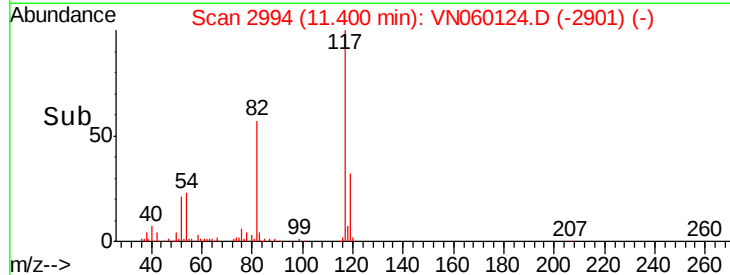
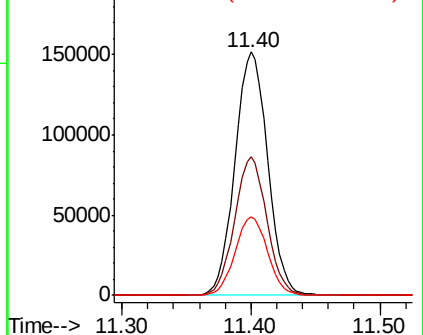
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 267367
Ion Ratio Lower Upper
117 100
82 57.1 43.4 65.0
119 32.3 25.8 38.6

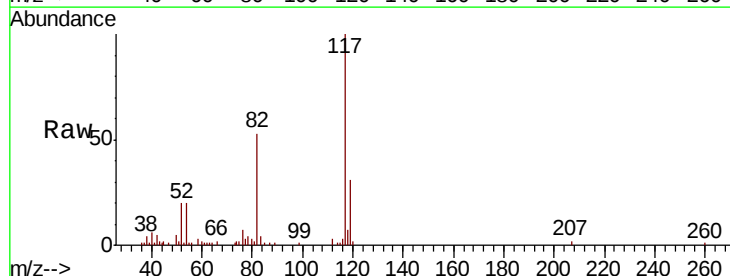


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

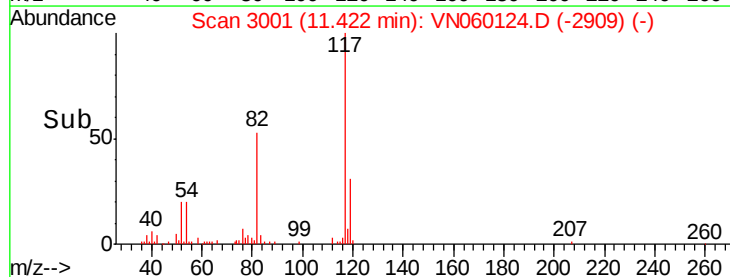
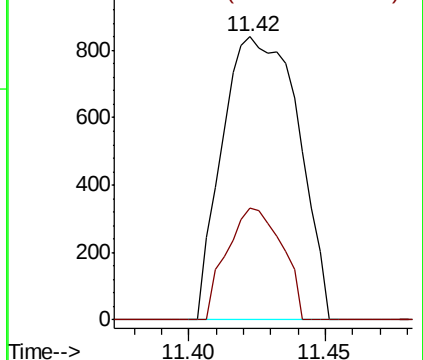


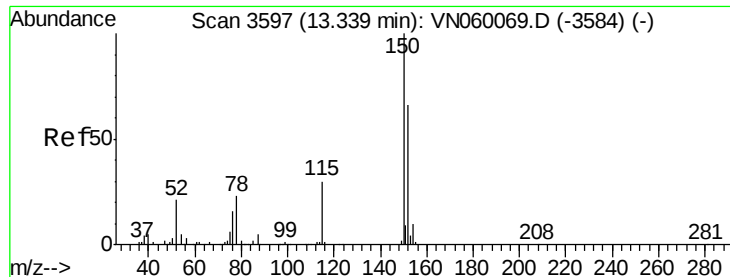
#65
Chlorobenzene
Concen: 0.299 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

Tgt Ion:112 Resp: 1627
Ion Ratio Lower Upper
112 100
114 39.6 25.4 38.0#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



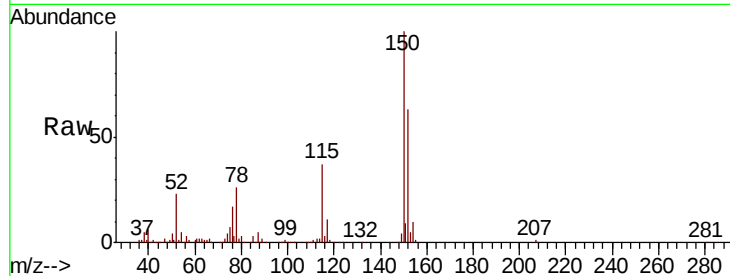


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.9	86.8
150	158.3	0.0	342.4

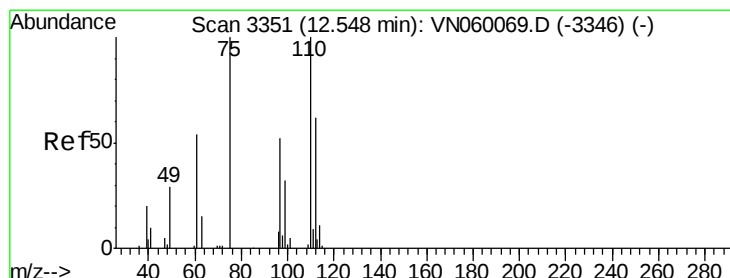
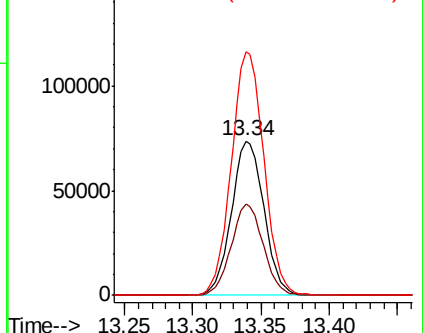
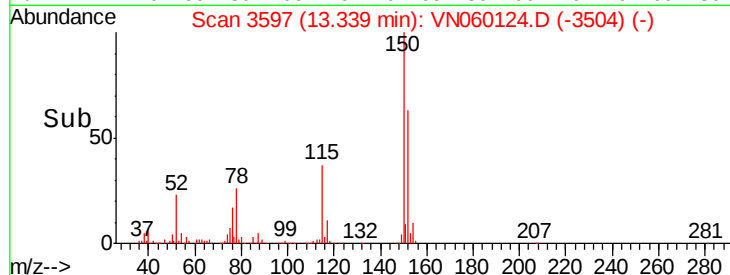


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

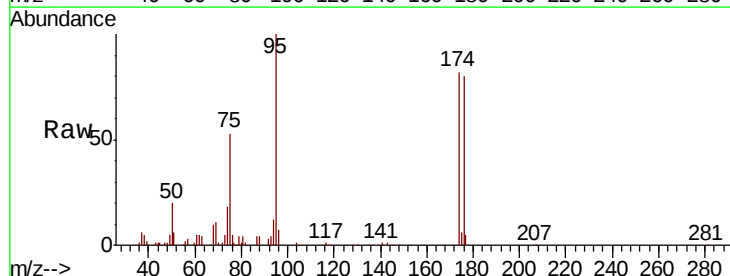
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 28.259 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060124.D
Acq: 17 Feb 2020 17:00

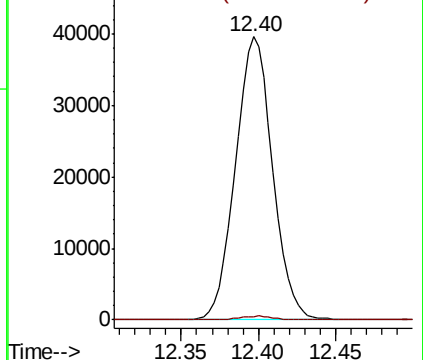
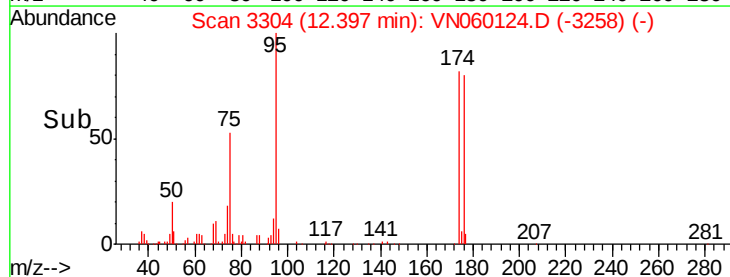
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

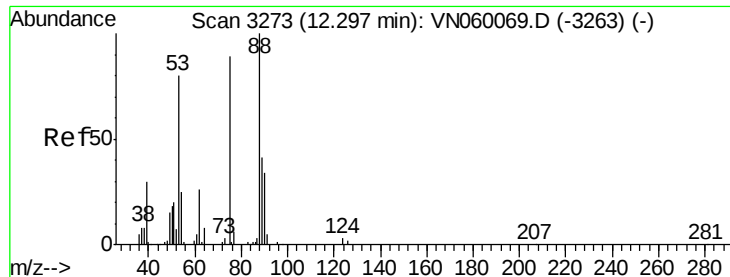


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 69.193 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060124.D

Acq: 17 Feb 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

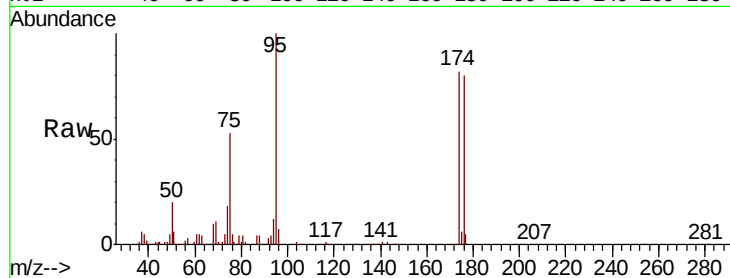
Tot Ion: 75 Resp: 65813

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

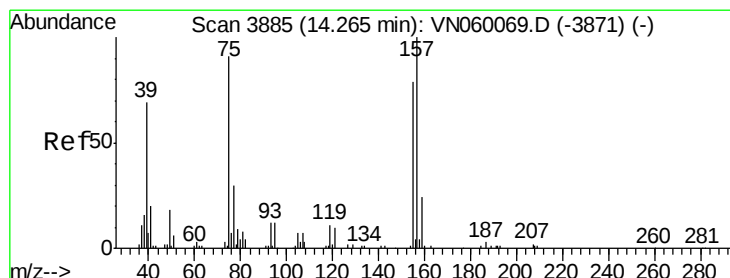
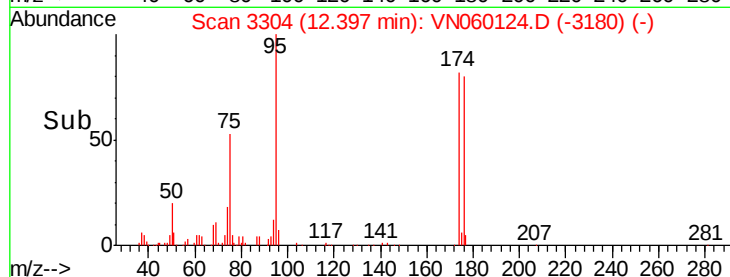
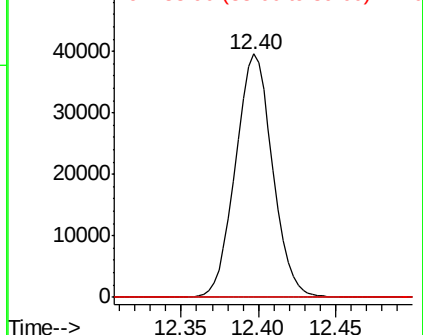
89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060124.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN060124.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN060124.D (-3180) (-)



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.21 min Scan# 3867

Delta R.T. -0.06 min

Lab File: VN060124.D

Acq: 17 Feb 2020 17:00

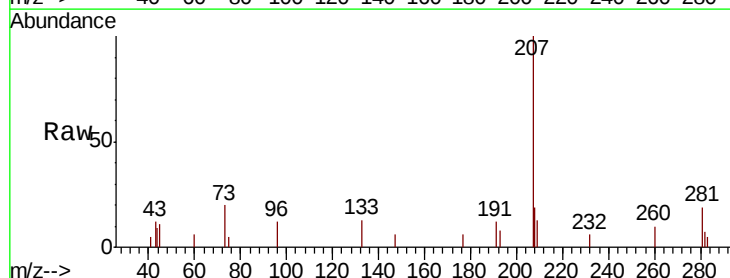
Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

157 0.0 54.9 164.5#



Abundance Ion 74.90 (74.60 to 75.60): VN060124.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060124.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060124.D (-3791) (-)

