

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022520\
 Data File : VN060234.D
 Acq On : 25 Feb 2020 15:13
 Operator : JC/MD
 Sample : PB127055ZHE#15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 25 22:20:15 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	181734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	285940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	274841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	125346	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	107423	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
35) Dibromofluoromethane	7.57	113	86793	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
50) Toluene-d8	10.08	98	352706	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.40	95	127925	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	

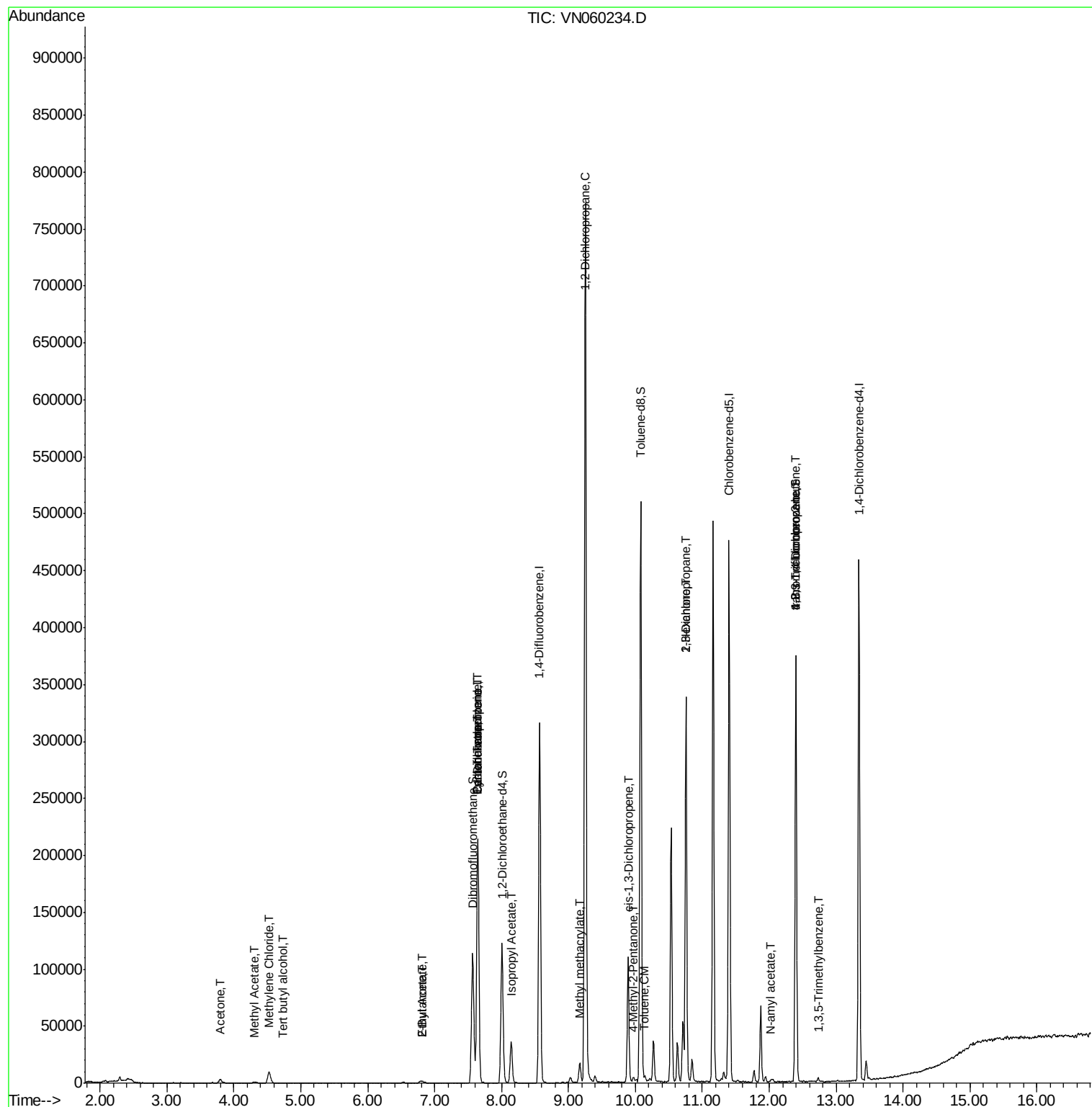
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	101	0.305	ug/l #	72
16) Acetone	3.80	43	6069	6.292	ug/l	99
18) Methyl Acetate	4.31	43	1319	0.728	ug/l #	50
20) Methylene Chloride	4.52	84	8199	4.260	ug/l #	94
25) 2-Butanone	6.82	43	2453	2.022	ug/l #	87
31) Cyclohexane	7.64	56	3447	1.102	ug/l #	7
36) 1,1-Dichloropropene	7.64	75	12991	4.905	ug/l #	49
37) Ethyl Acetate	6.82	43	2453	1.025	ug/l #	68
38) Carbon Tetrachloride	7.64	117	17031	5.921	ug/l #	15
43) Isopropyl Acetate	8.14	43	43885	10.725	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	789	0.406	ug/l #	43
48) Methyl methacrylate	9.16	41	2590	1.411	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	3129	1.321	ug/l	93
52) Toluene	10.14	92	2397	0.476	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	21124	6.360	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3637	1.121	ug/l #	43
59) 2-Hexanone	10.75	43	50345	27.519	ug/l #	51
74) N-amyl acetate	12.03	43	3134	0.929	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	66354	27.669	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2489	0.320	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	66354	67.748	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.31	75	59	Below Cal	#	1

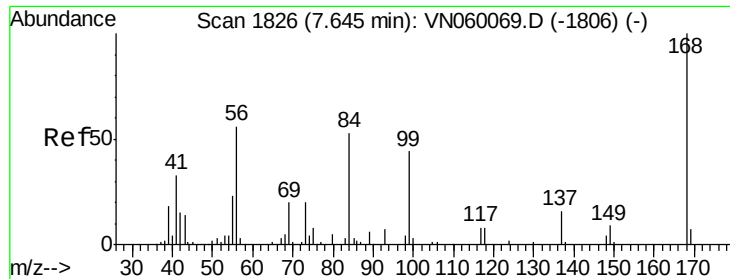
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN060234.D
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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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ClientSampleId :

Quant Time: Feb 25 22:20:15 2020
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: VN060234.D

Acq: 25 Feb 2020 15:13

Instrument :

MSVOA_N

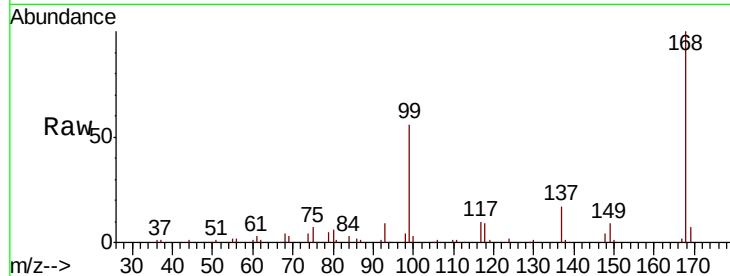
ClientSampleId :

Tot Ion:168 Resp: 181734

Ion Ratio Lower Upper

168 100

99 55.6 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

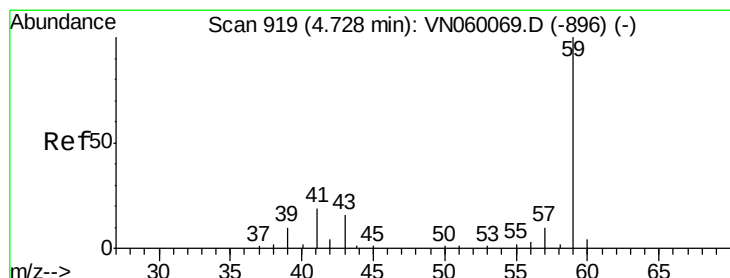
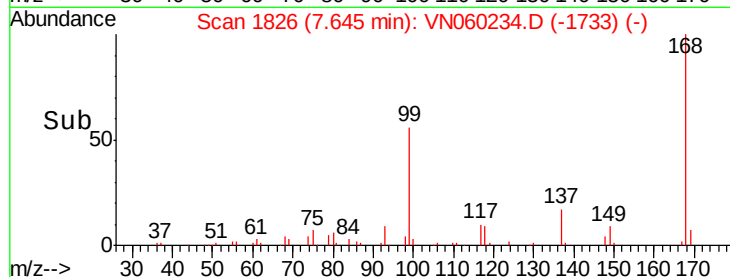
40000

20000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.305 ug/l

RT: 4.74 min Scan# 922

Delta R.T. 0.01 min

Lab File: VN060234.D

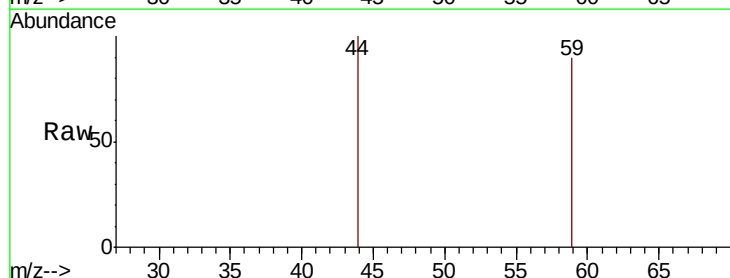
Acq: 25 Feb 2020 15:13

Tgt Ion: 59 Resp: 101

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.74

200

150

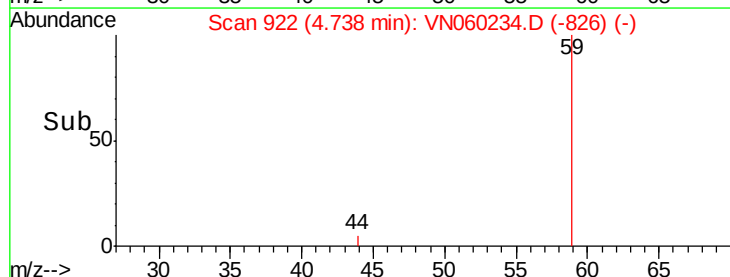
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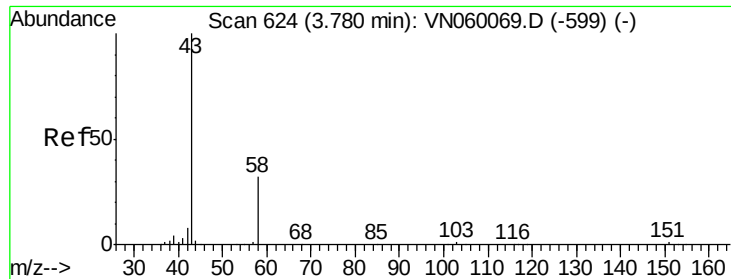
50

0

4.72 4.73 4.74 4.75

Time-->

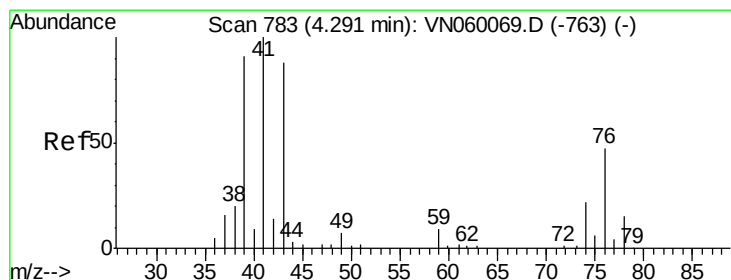
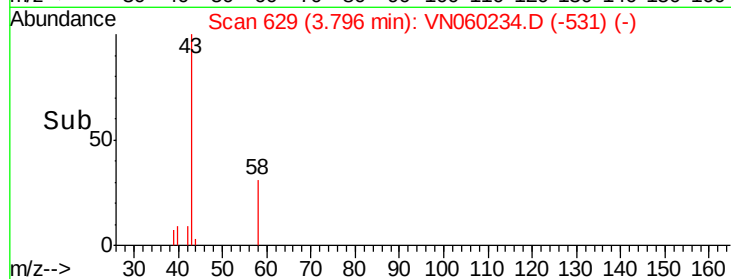
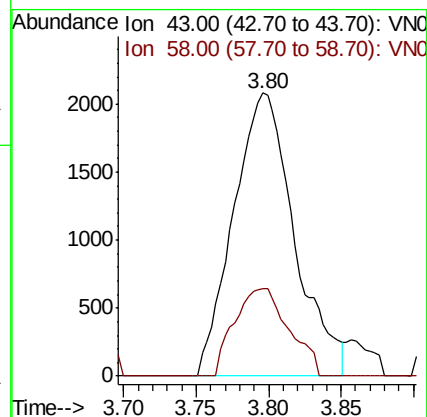
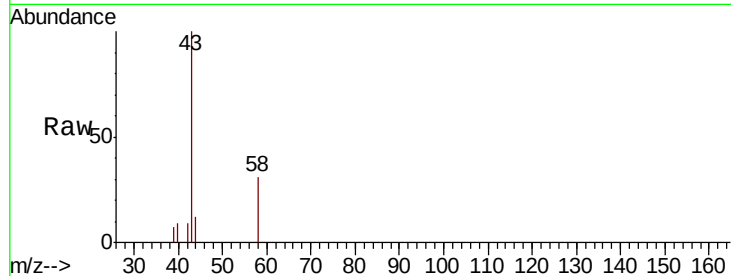




#16
Acetone
Concen: 6.292 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.02 min
Lab File: VN060234.D
Acq: 25 Feb 2020 15:13

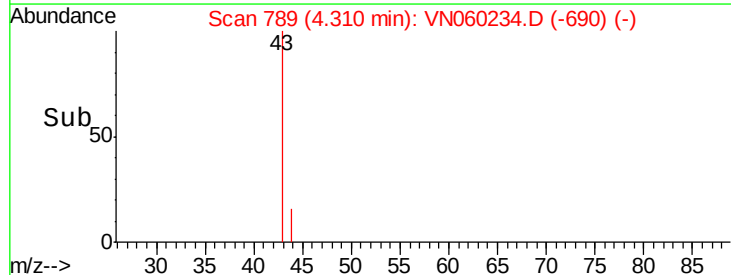
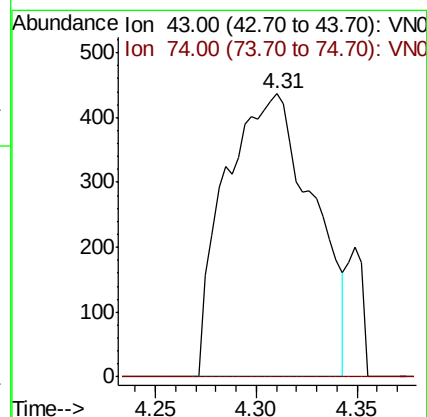
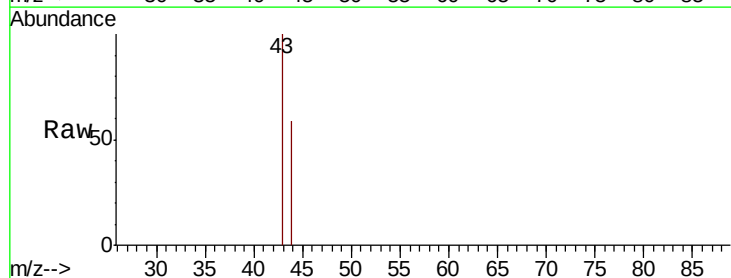
Instrument :
MSVOA_N
ClientSampled :

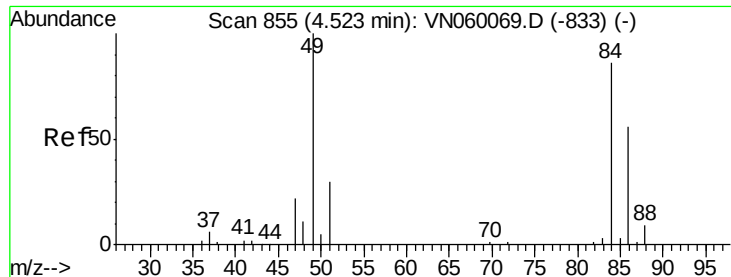
Tot Ion: 43 Resp: 6069
Ion Ratio Lower Upper
43 100
58 31.2 25.2 37.8



#18
Methyl Acetate
Concen: 0.728 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.02 min
Lab File: VN060234.D
Acq: 25 Feb 2020 15:13

Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#

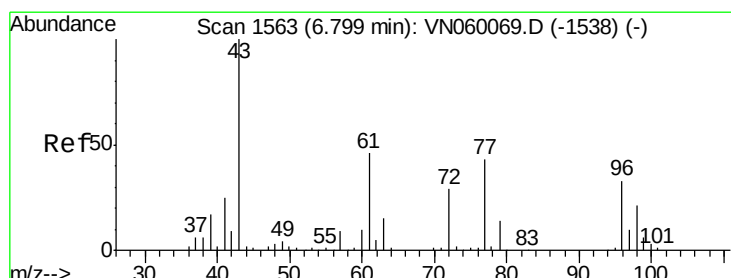
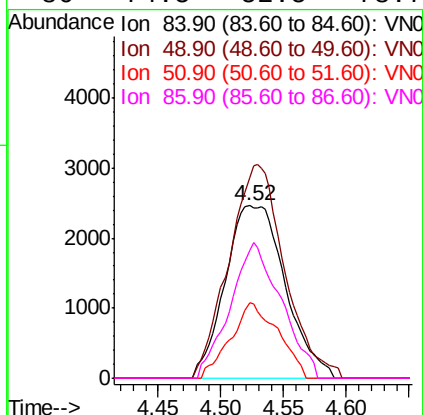
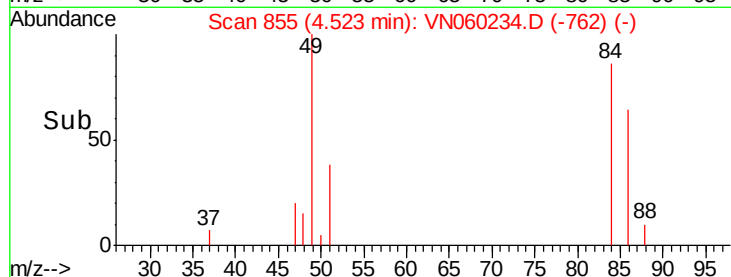
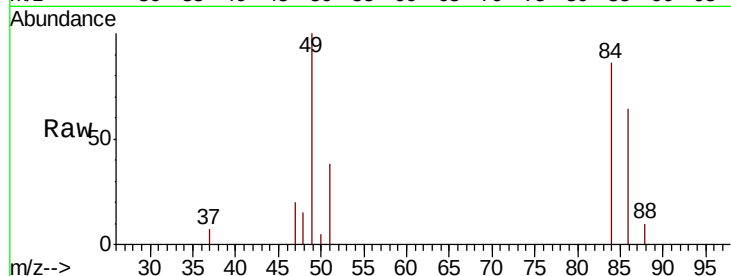




#20
Methvlene Chloride
Concen: 4.260 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060234.D
Acq: 25 Feb 2020 15:13

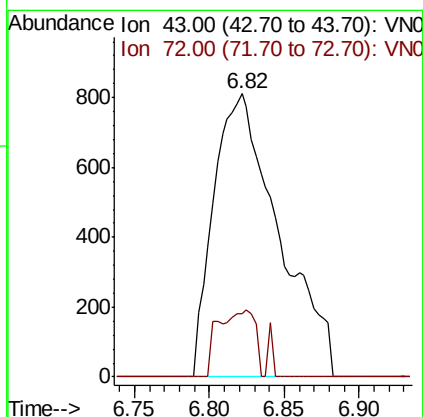
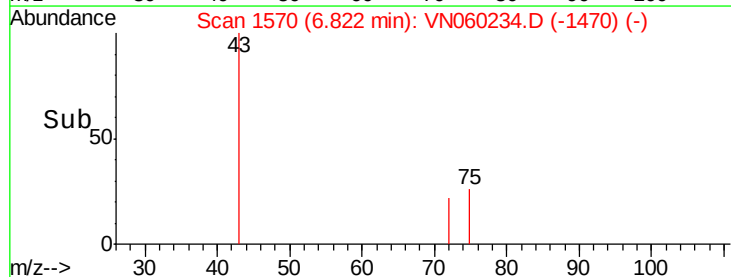
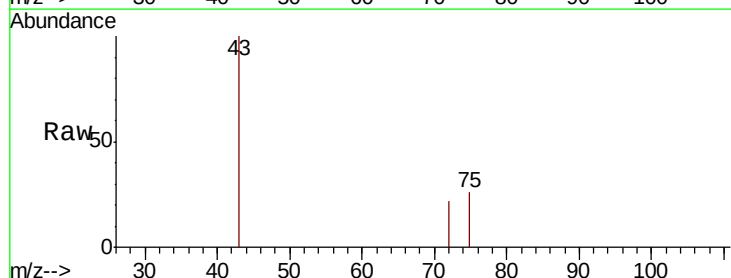
Instrument :
MSVOA_N
ClientSampled :

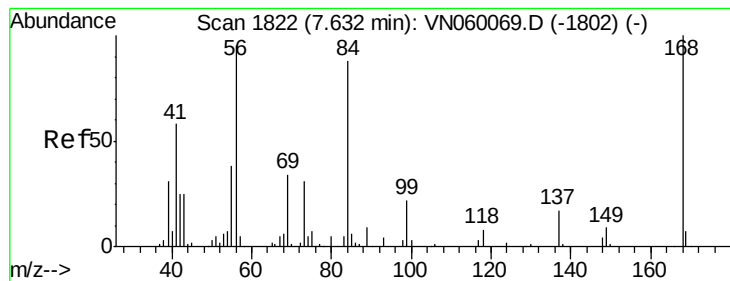
Tot Ion: 84 Resp: 8199
Ion Ratio Lower Upper
84 100
49 116.3 93.4 140.0
51 44.0 28.4 42.6#
86 74.5 52.5 78.7



#25
2-Butanone
Concen: 2.022 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VN060234.D
Acq: 25 Feb 2020 15:13

Tgt Ion: 43 Resp: 2453
Ion Ratio Lower Upper
43 100
72 22.3 23.3 34.9#





#31

Cyclohexane

Concen: 1.102 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060234.D

Acq: 25 Feb 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

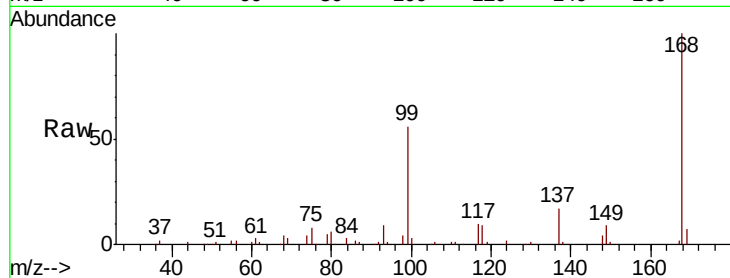
Tot Ion: 56 Resp: 3447

Ion Ratio Lower Upper

56 100

69 166.9 28.3 42.5#

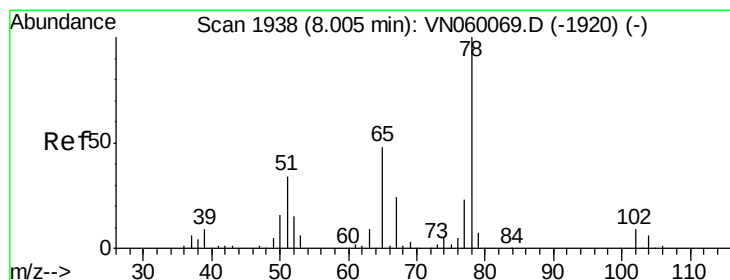
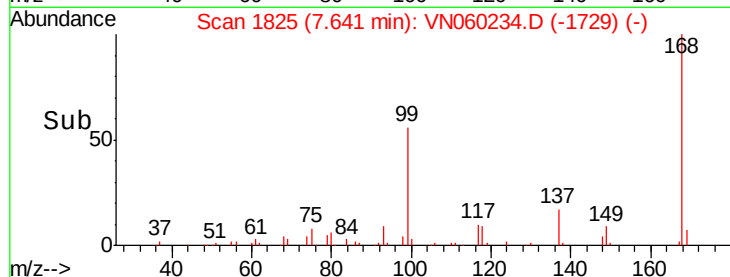
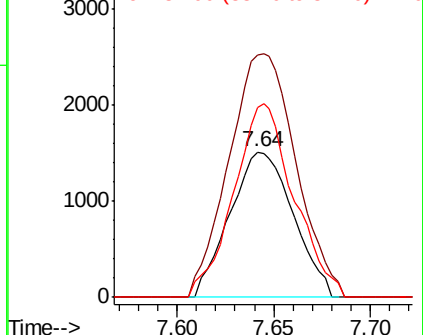
84 130.3 72.6 108.8#



Abundance Ion 56.00 (55.70 to 56.70): VN060069.D (-1802) (-)

Ion 69.00 (68.70 to 69.70): VN060069.D (-1802) (-)

Ion 84.00 (83.70 to 84.70): VN060069.D (-1802) (-)



#33

1,2-Dichloroethane-d4

Concen: 48.577 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060234.D

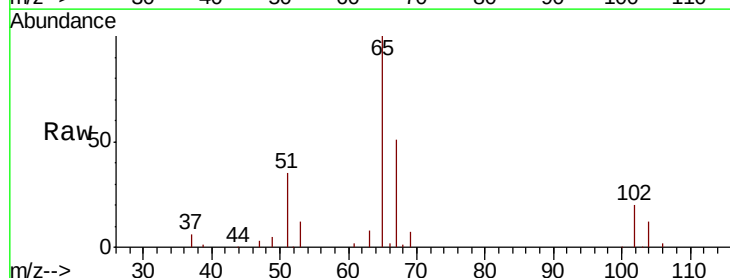
Acq: 25 Feb 2020 15:13

Tgt Ion: 65 Resp: 107423

Ion Ratio Lower Upper

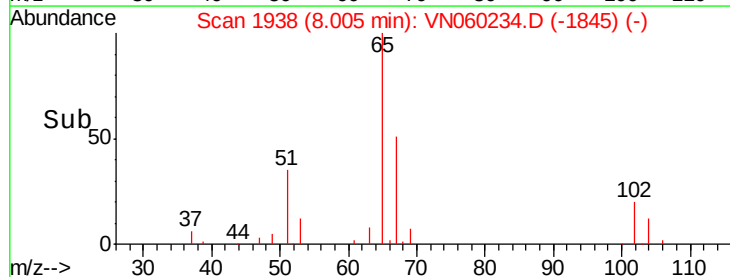
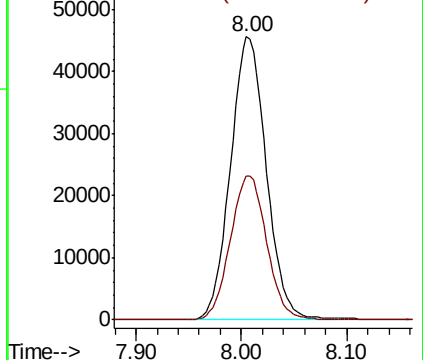
65 100

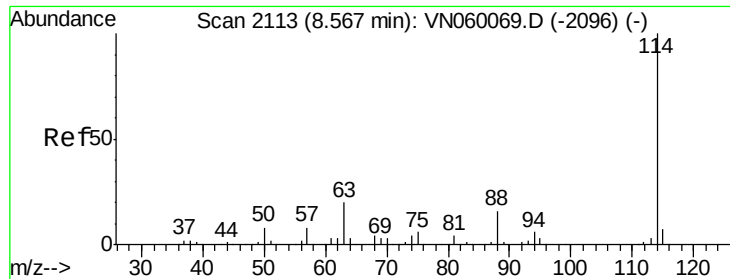
67 51.7 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN060069.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060069.D (-1920) (-)

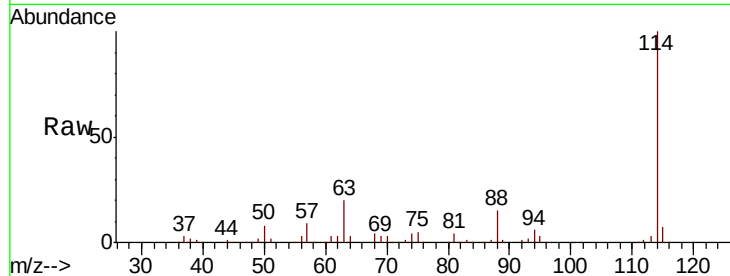




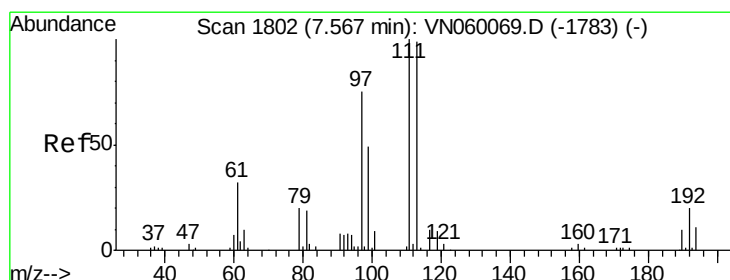
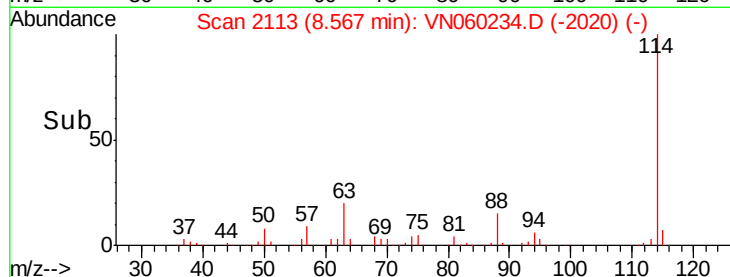
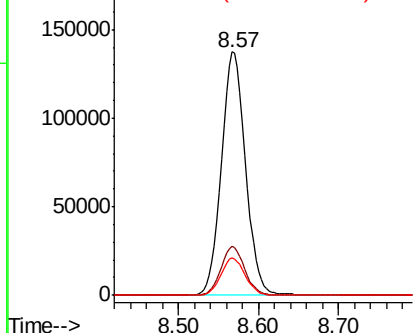
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060234.D
Acq: 25 Feb 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 285940
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.0
88 15.2 0.0 31.6

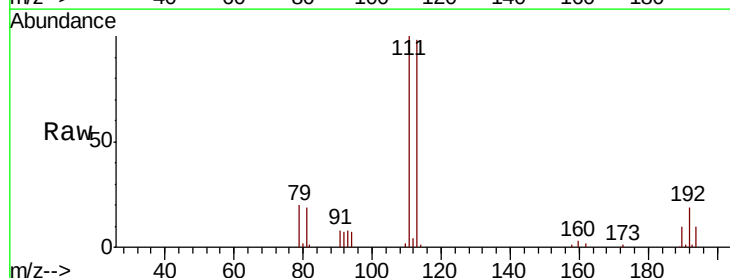


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

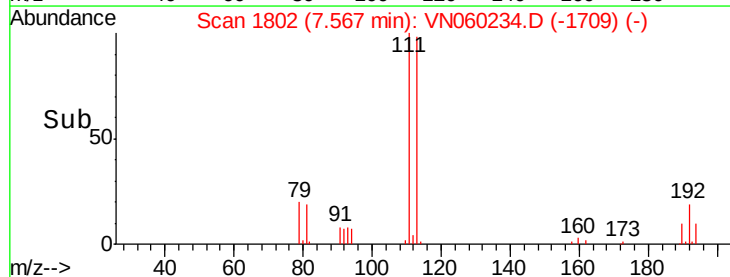
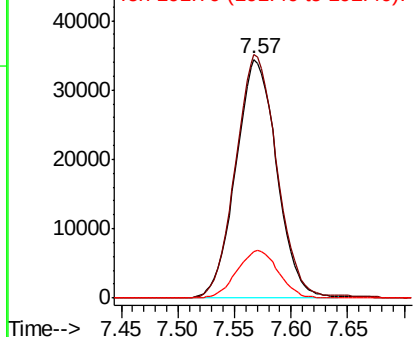


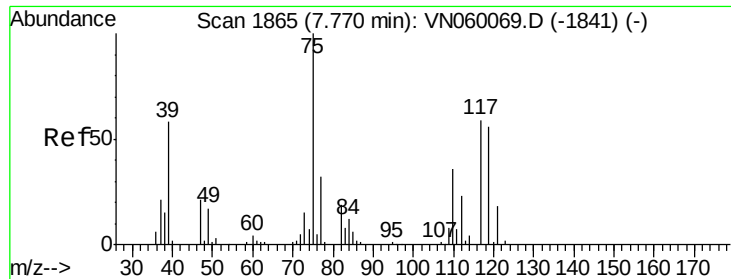
#35
Dibromofluoromethane
Concen: 49.379 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060234.D
Acq: 25 Feb 2020 15:13

Tgt Ion:113 Resp: 86793
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.2
192 20.1 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

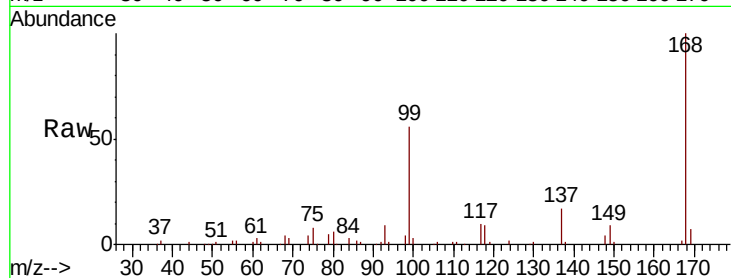




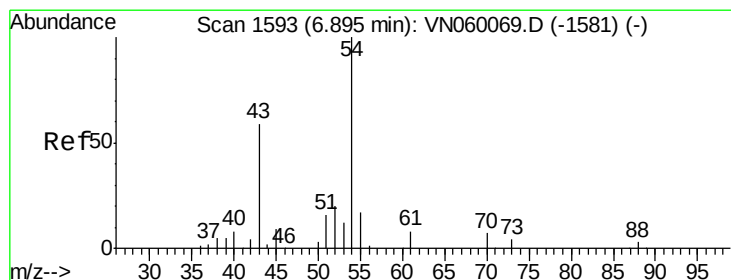
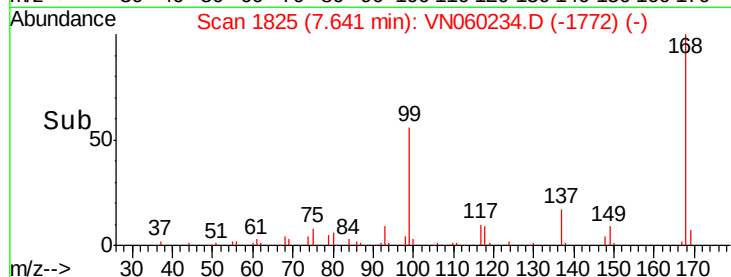
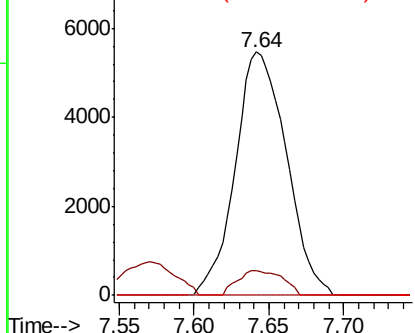
#36
 1,1-Dichloropropene
 Concen: 4.905 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060234.D
 Acq: 25 Feb 2020 15:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.3#
77	0.0	25.1	37.7#

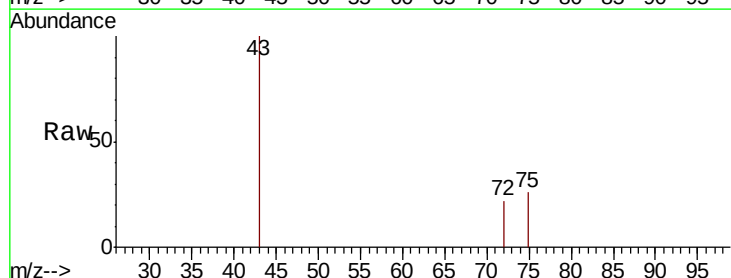


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

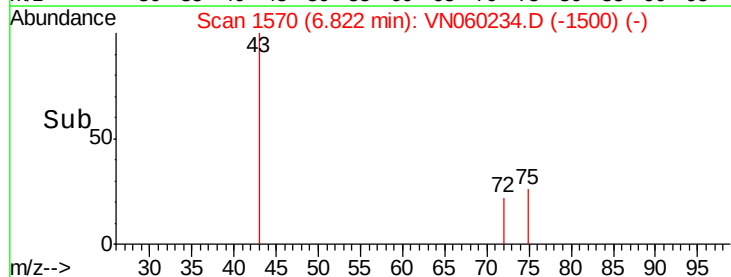
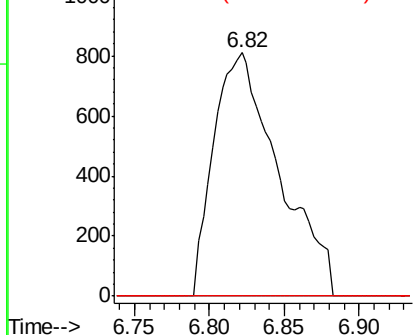


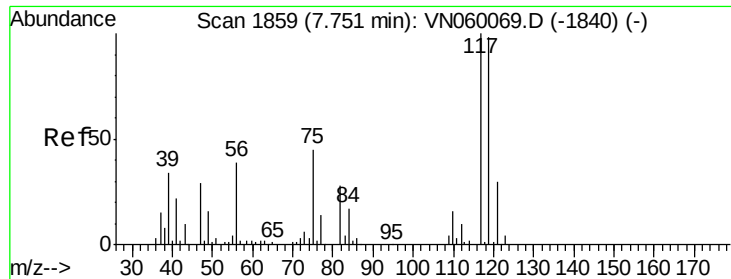
#37
 Ethyl Acetate
 Concen: 1.025 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.07 min
 Lab File: VN060234.D
 Acq: 25 Feb 2020 15:13

Tgt 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

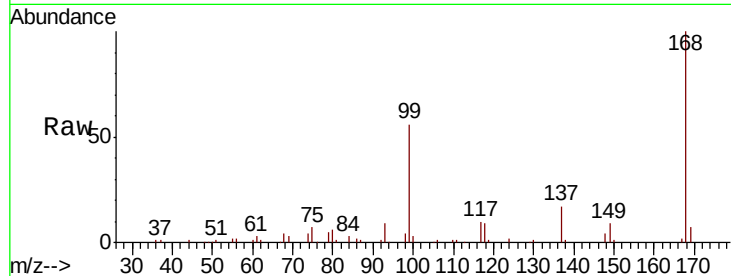




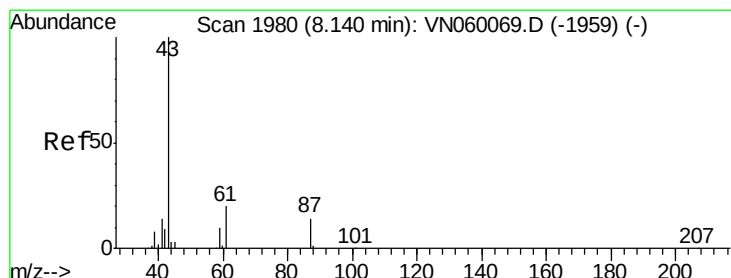
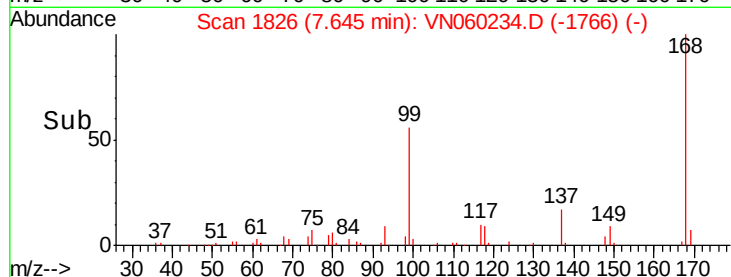
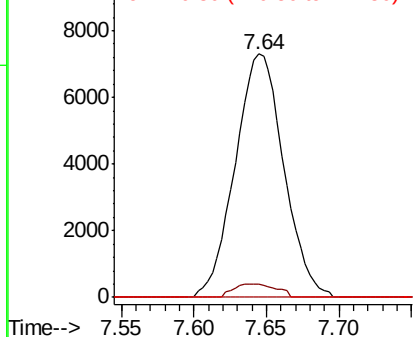
#38
Carbon Tetrachloride
Concen: 5.921 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060234.D
Acq: 25 Feb 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 17031
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.4#
121 0.0 24.2 36.2#

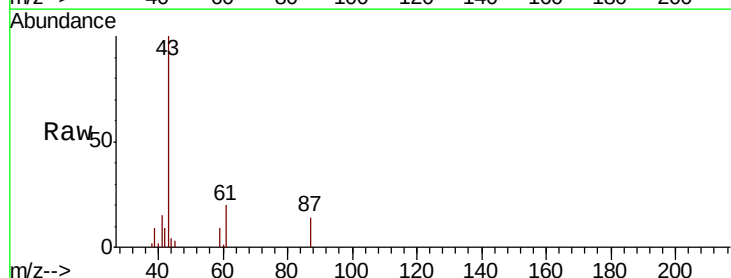


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

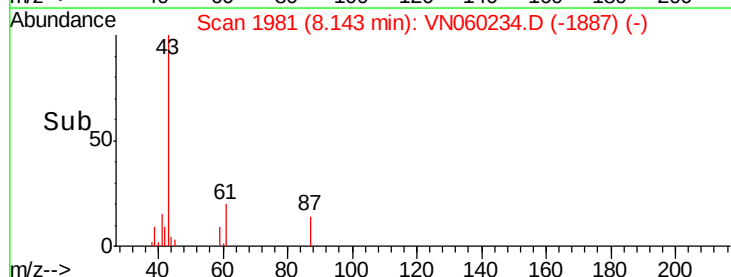
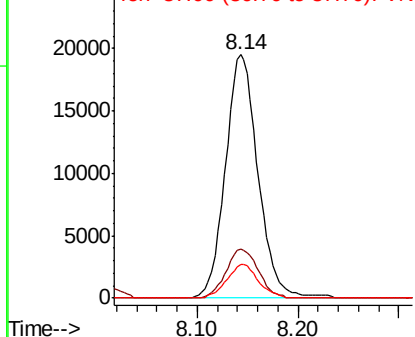


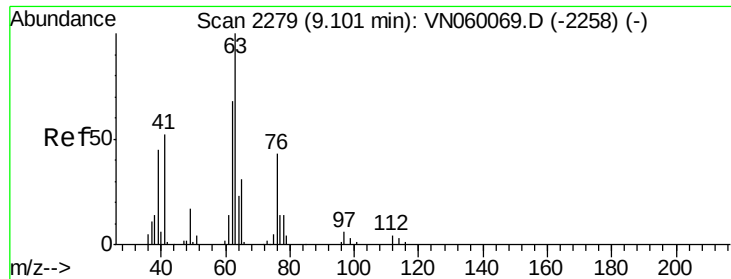
#43
Isopropyl Acetate
Concen: 10.725 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN060234.D
Acq: 25 Feb 2020 15:13

Tgt Ion: 43 Resp: 43885
Ion Ratio Lower Upper
43 100
61 19.9 21.8 32.6#
87 13.4 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

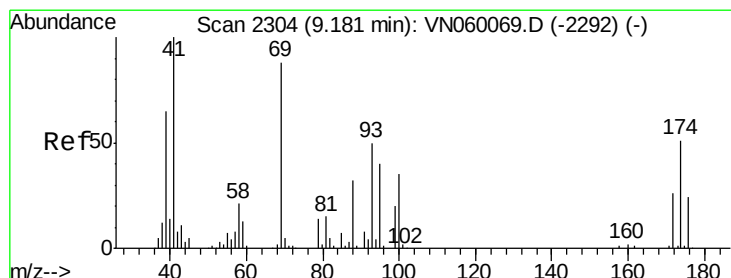
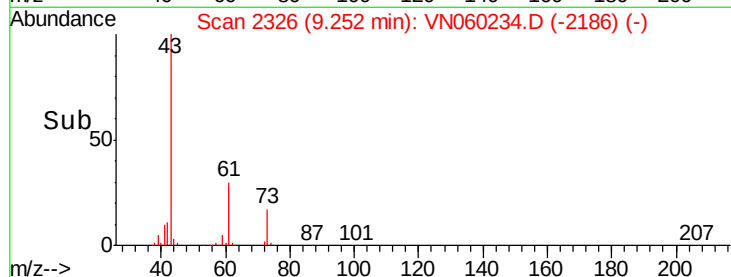
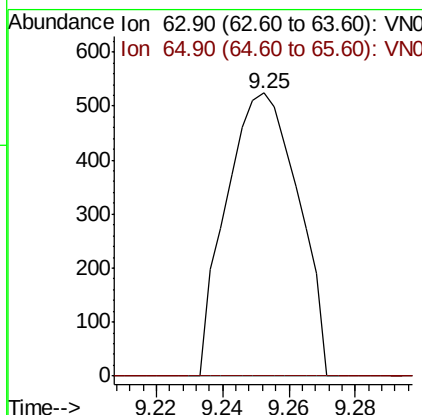
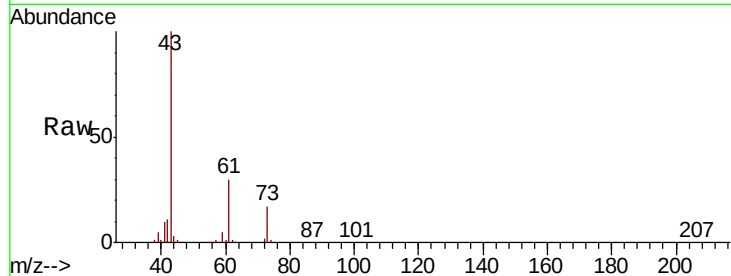




#45
 1,2-Dichloropropane
 Concen: 0.406 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN060234.D
 Acq: 25 Feb 2020 15:13

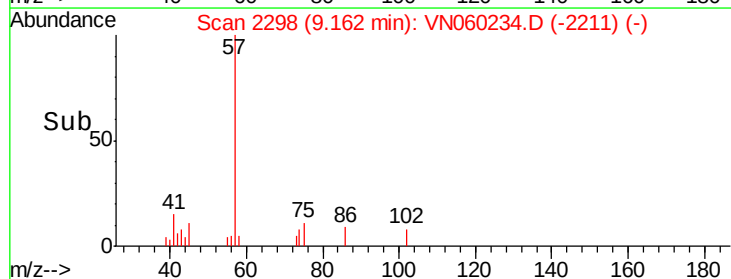
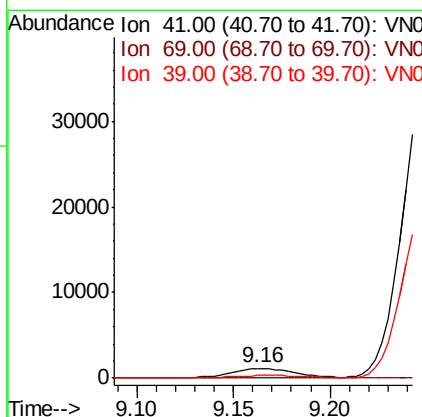
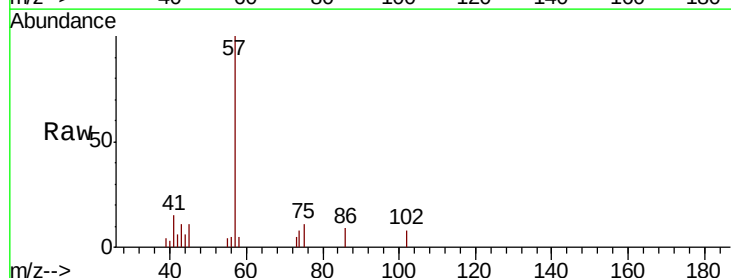
Instrument :
 MSVOA_N
 ClientSampleId :

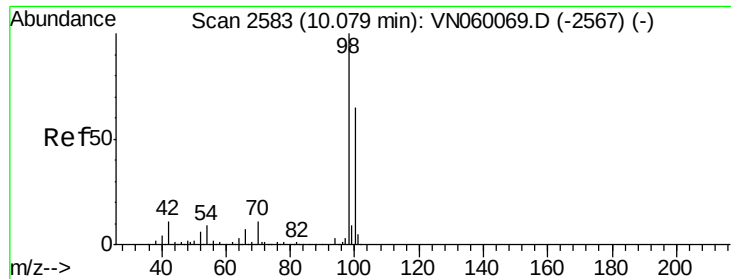
Tot Ion: 63 Resp: 789
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 1.411 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060234.D
 Acq: 25 Feb 2020 15:13

Tgt Ion: 41 Resp: 2590
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.0 108.0#
 39 0.0 54.1 81.1#

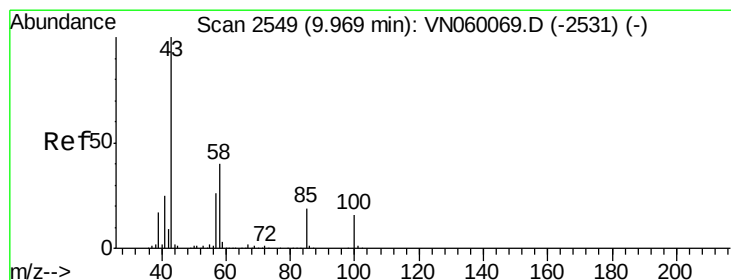
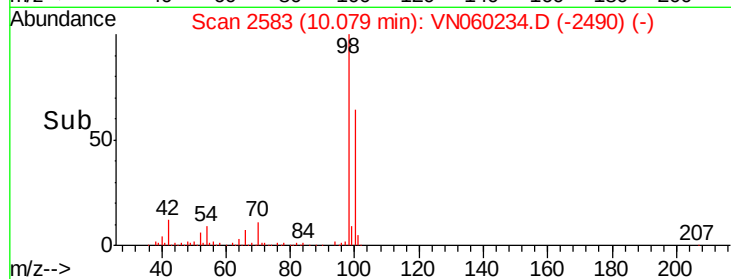
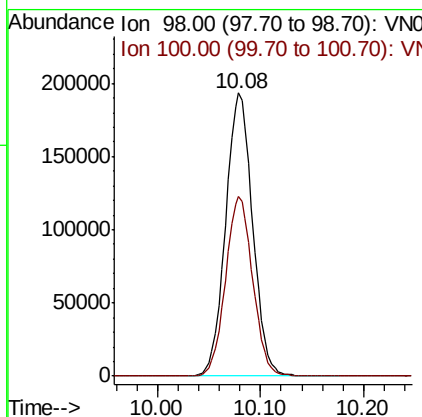
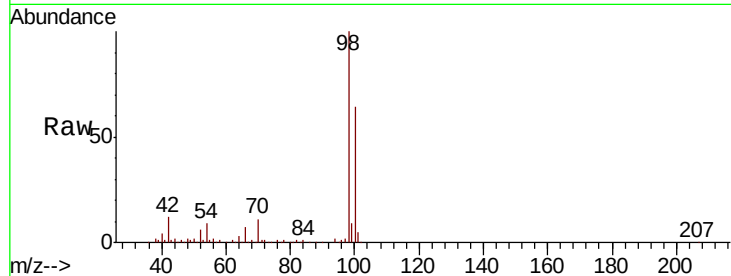




#50
Toluene-d8
Concen: 50.957 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060234.D
Acq: 25 Feb 2020 15:13

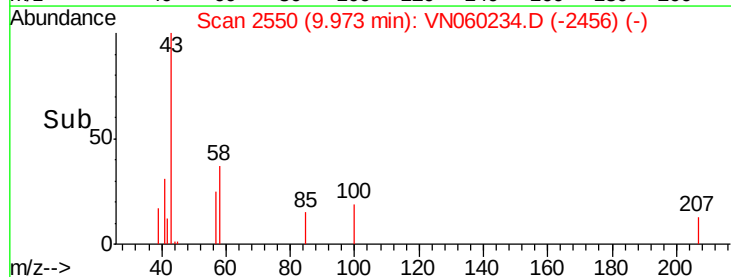
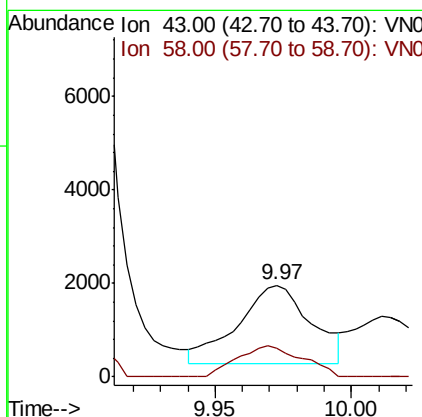
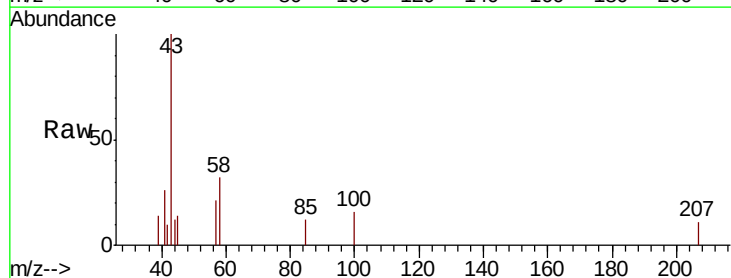
Instrument :
MSVOA_N
ClientSampleId :

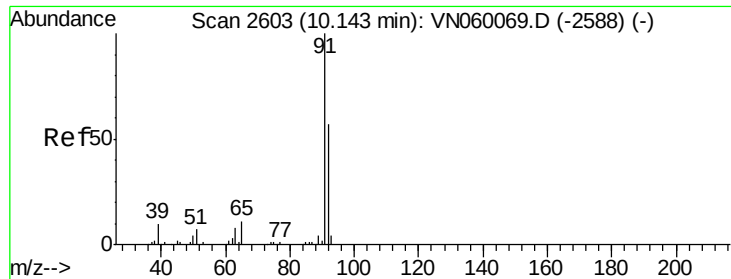
Tot Ion: 98 Resp: 352706
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.321 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN060234.D
Acq: 25 Feb 2020 15:13

Tgt Ion: 43 Resp: 3129
Ion Ratio Lower Upper
43 100
58 35.2 31.8 47.8





#52

Toluene

Concen: 0.476 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060234.D

Acq: 25 Feb 2020 15:13

Instrument :

MSVOA_N

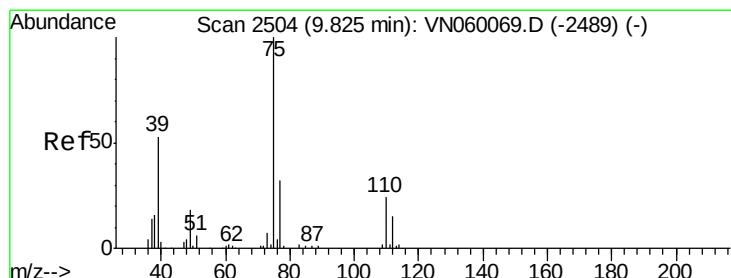
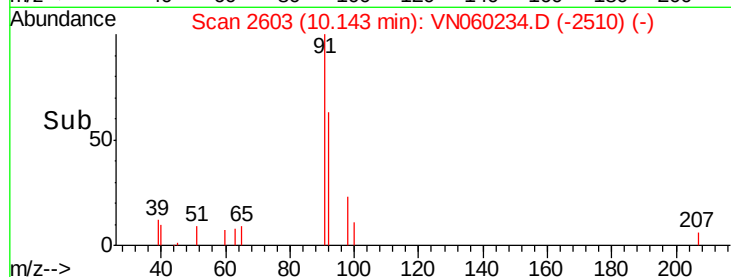
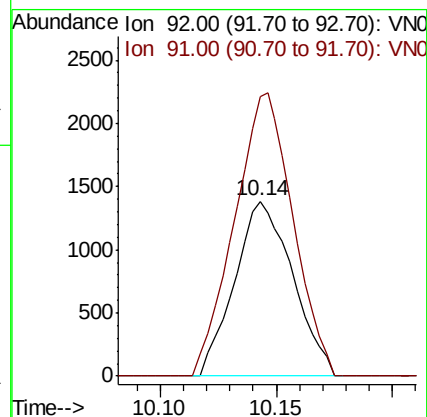
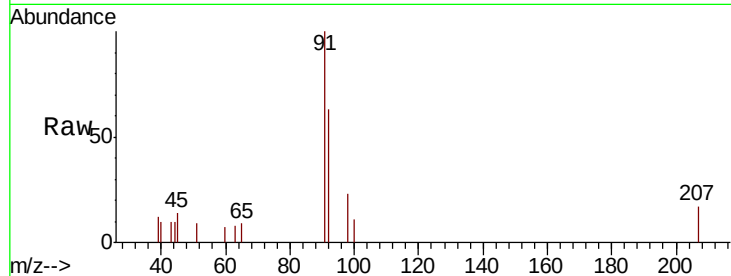
ClientSampled :

Tot Ion: 92 Resp: 2397

Ion Ratio Lower Upper

92 100

91 163.1 140.9 211.3



#54

cis-1,3-Dichloropropene

Concen: 6.360 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060234.D

Acq: 25 Feb 2020 15:13

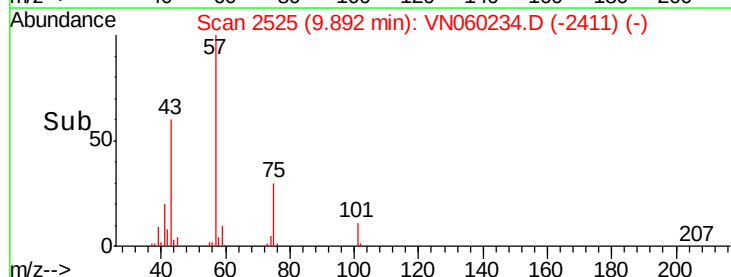
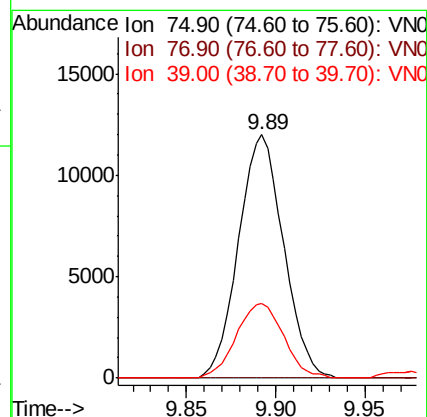
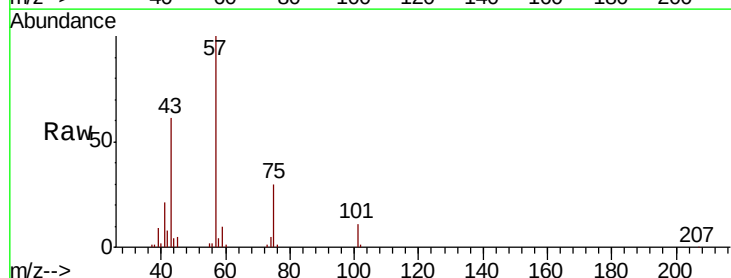
Tgt Ion: 75 Resp: 21124

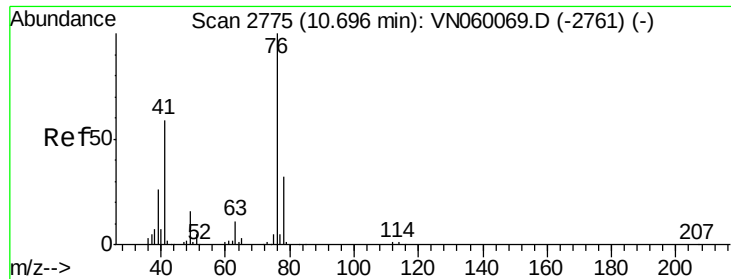
Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

39 30.5 42.2 63.4#

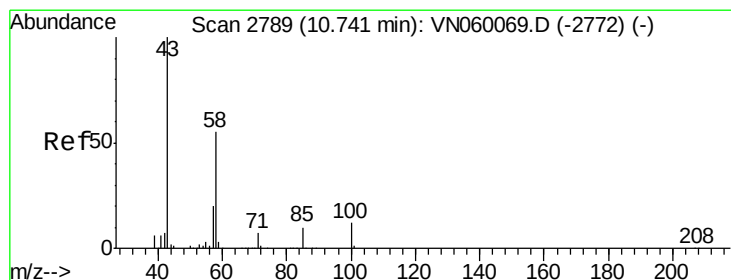
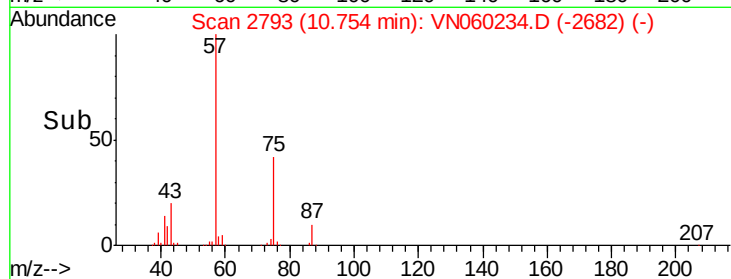
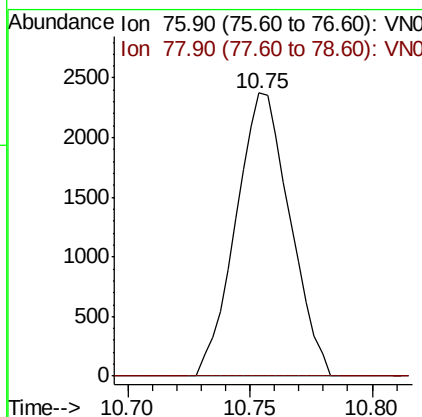
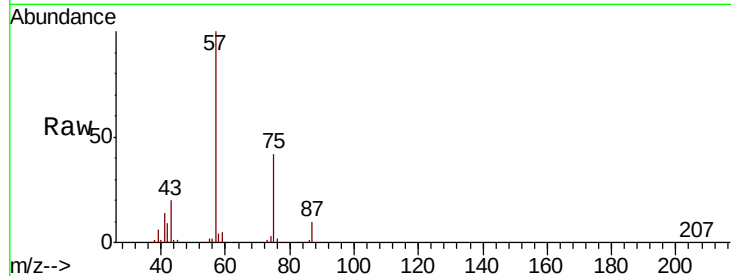




#57
 1,3-Dichloropropane
 Concen: 1.121 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060234.D
 Acq: 25 Feb 2020 15:13

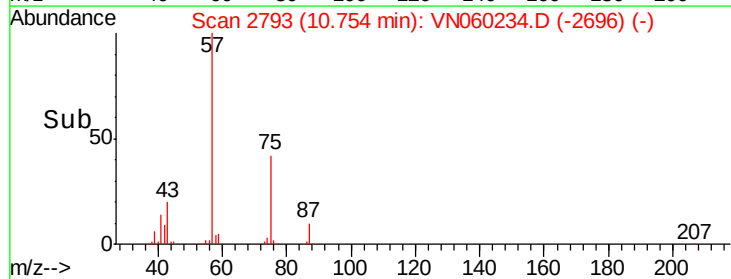
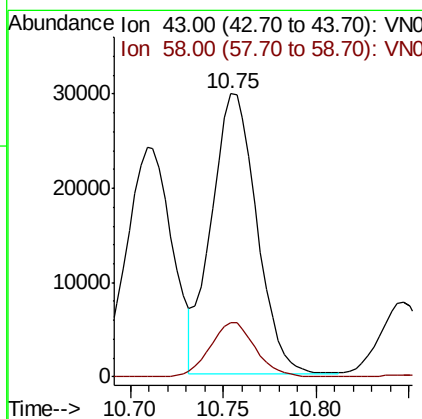
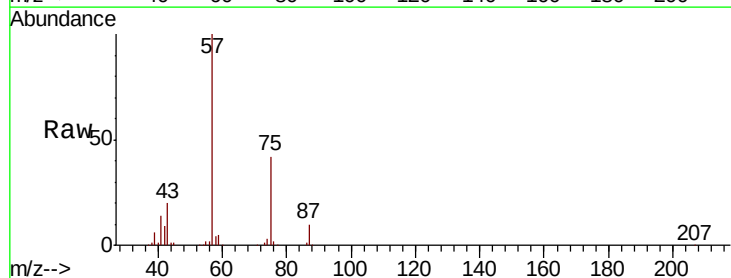
Instrument :
 MSVOA_N
 ClientSampled :

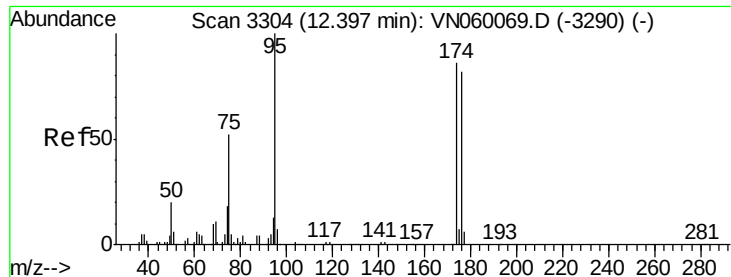
Tot Ion: 76 Resp: 3637
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 27.519 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060234.D
 Acq: 25 Feb 2020 15:13

Tgt Ion: 43 Resp: 50345
 Ion Ratio Lower Upper
 43 100
 58 19.4 27.5 82.4#





#62

4-Bromofluorobenzene

Concen: 50.297 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060234.D

Acq: 25 Feb 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

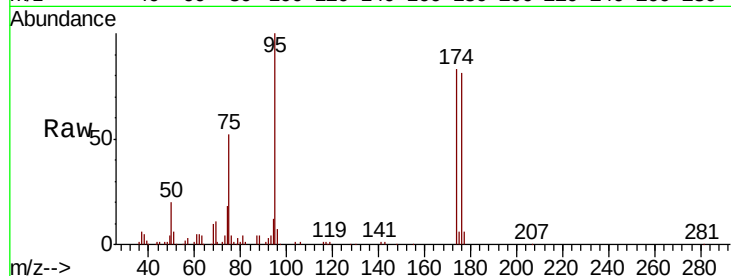
Tot Ion: 95 Resp: 127925

Ion Ratio Lower Upper

95 100

174 84.8 0.0 169.8

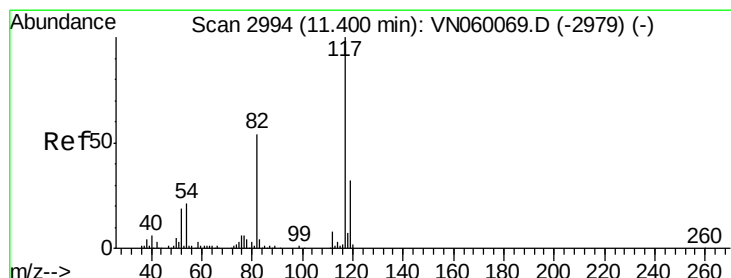
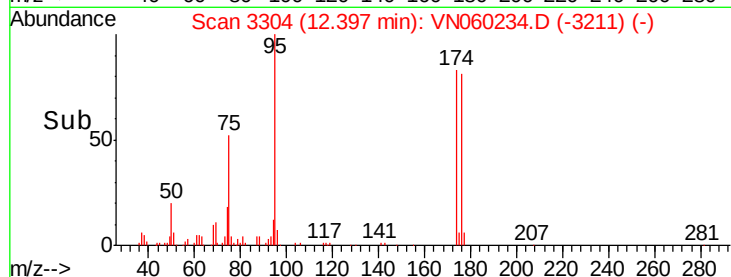
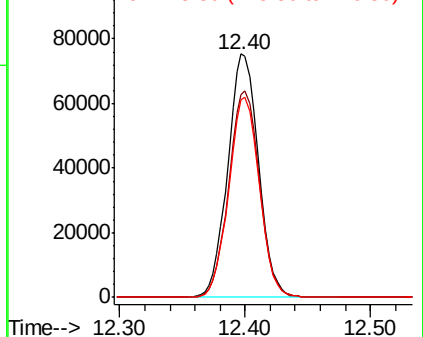
176 82.1 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060069.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060069.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060069.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060234.D

Acq: 25 Feb 2020 15:13

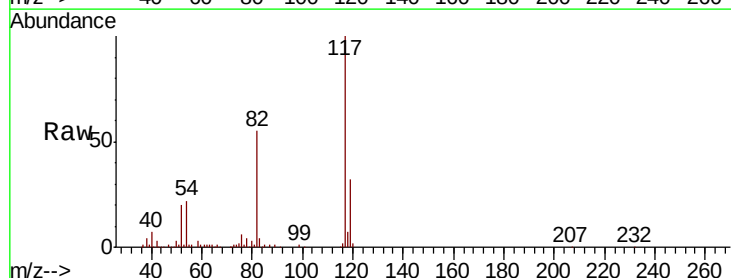
Tgt Ion: 117 Resp: 274841

Ion Ratio Lower Upper

117 100

82 54.8 43.4 65.0

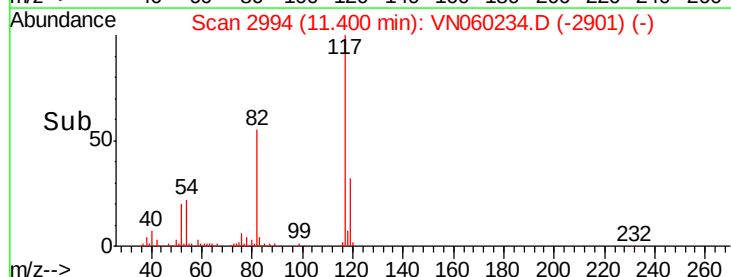
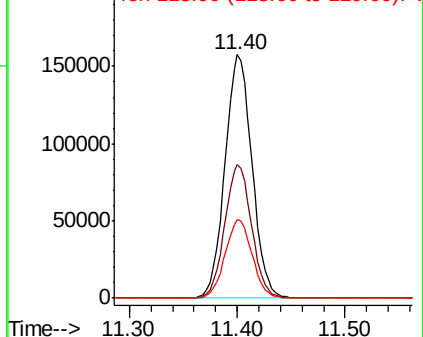
119 32.0 25.8 38.6

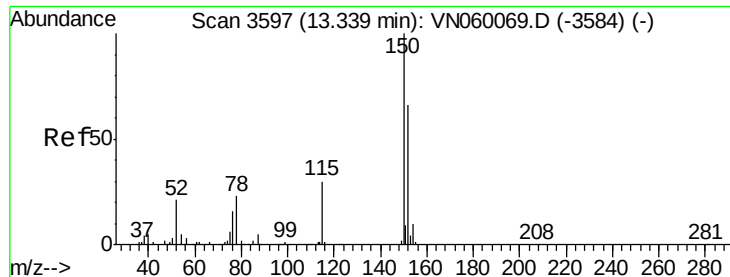


Abundance Ion 116.90 (116.60 to 117.60): VN060069.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060069.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060069.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN060234.D

Acq: 25 Feb 2020 15:13

Instrument :

MSVOA_N

ClientSampled :

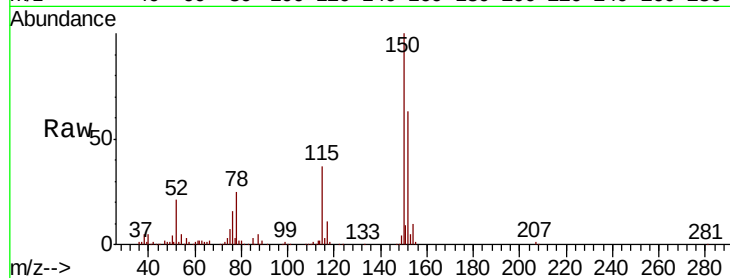
Tot Ion:152 Resp: 125346

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.8

150 156.4 0.0 342.4

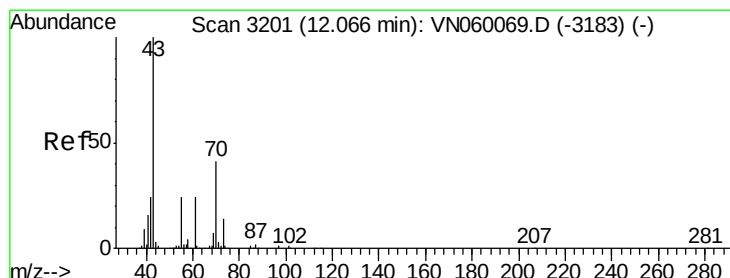
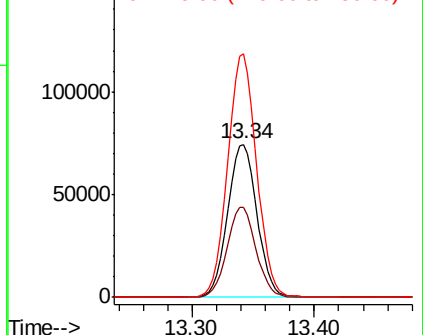
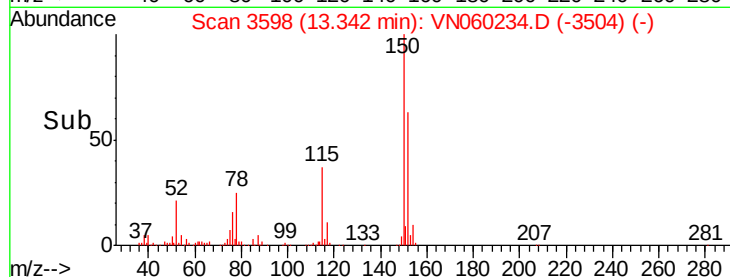


Abundance

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



#74

N-ethyl acetate

Concen: 0.929 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.03 min

Lab File: VN060234.D

Acq: 25 Feb 2020 15:13

Tgt Ion: 43 Resp: 3134

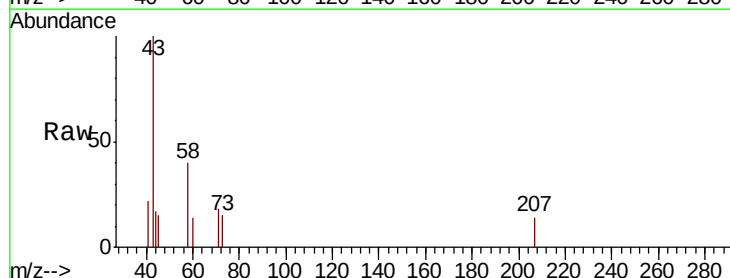
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 18.8 28.2#

61 0.0 19.2 28.8#



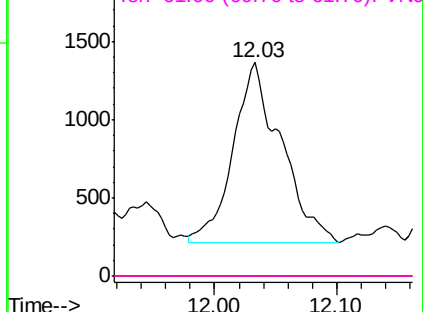
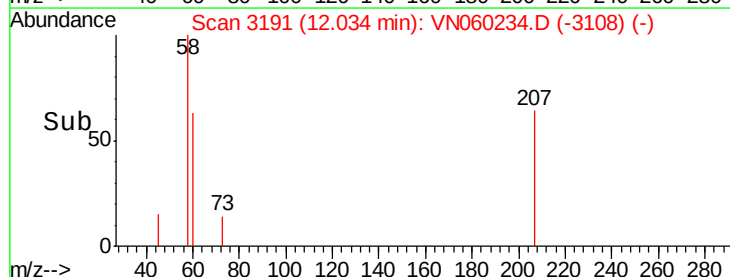
Abundance

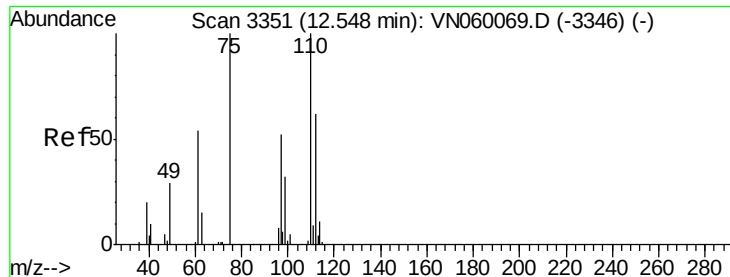
Ion 43.00 (42.70 to 43.70): VN0

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: 27.669 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060234.D

Acq: 25 Feb 2020 15:13

Instrument :

MSVOA_N

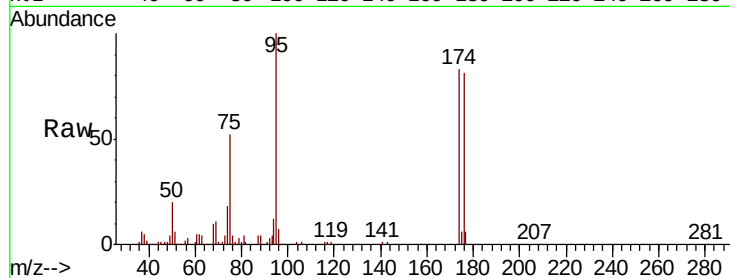
ClientSampled :

Tot Ion: 75 Resp: 66354

Ion Ratio Lower Upper

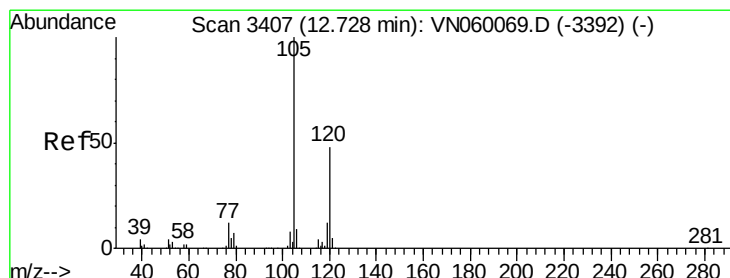
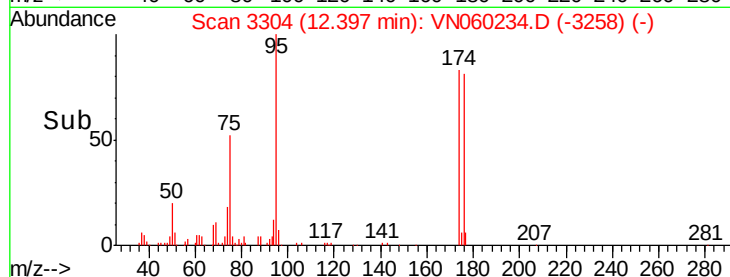
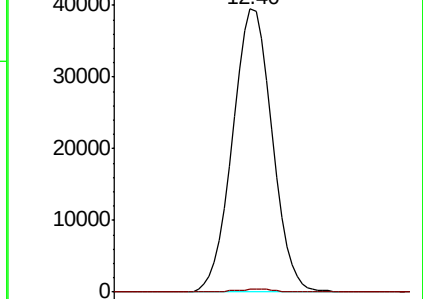
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060069.D (-3346) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.320 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060234.D

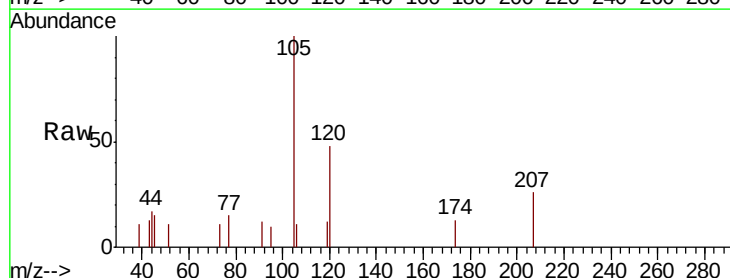
Acq: 25 Feb 2020 15:13

Tgt Ion: 105 Resp: 2489

Ion Ratio Lower Upper

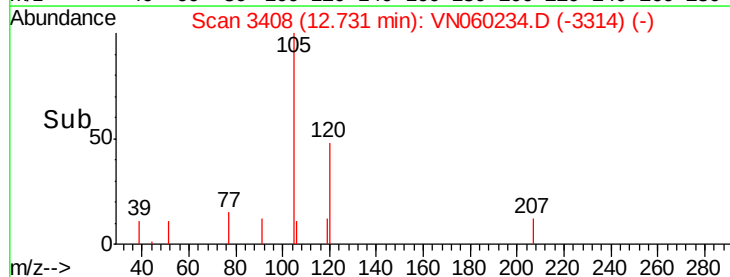
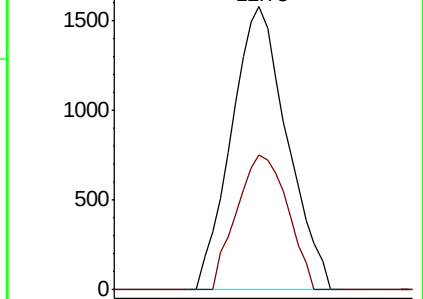
105 100

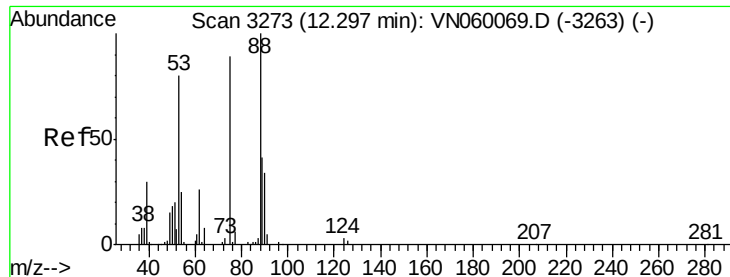
120 43.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3392) (-)

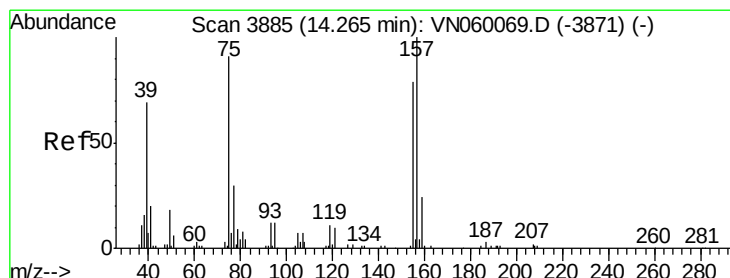
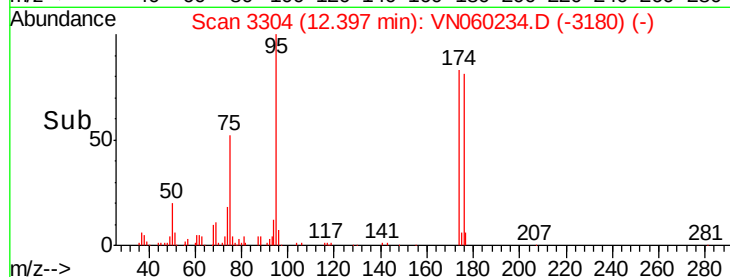
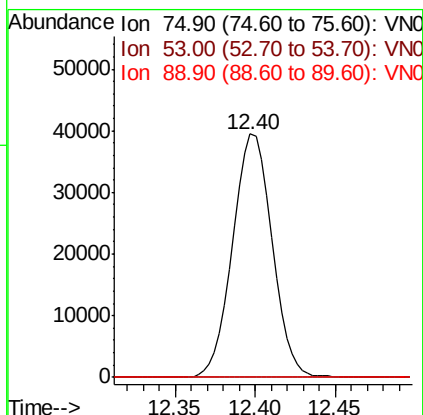
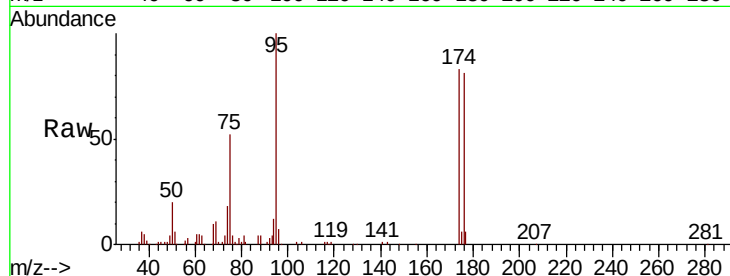




#81
trans-1,4-Dichloro-2-butene
Concen: 67.748 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060234.D
Acq: 25 Feb 2020 15:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 66354
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.31 min Scan# 3900
Delta R.T. 0.05 min
Lab File: VN060234.D
Acq: 25 Feb 2020 15:13

Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
155 0.0 43.0 129.0#
157 0.0 54.9 164.5#

