

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060156.D
 Acq On : 19 Feb 2020 15:18
 Operator : JC/MD
 Sample : L1573-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 20 01:18:11 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	173206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	275995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	263560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	116574	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	103244	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
35) Dibromofluoromethane	7.57	113	84240	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
50) Toluene-d8	10.08	98	338219	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.40	95	121228	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	

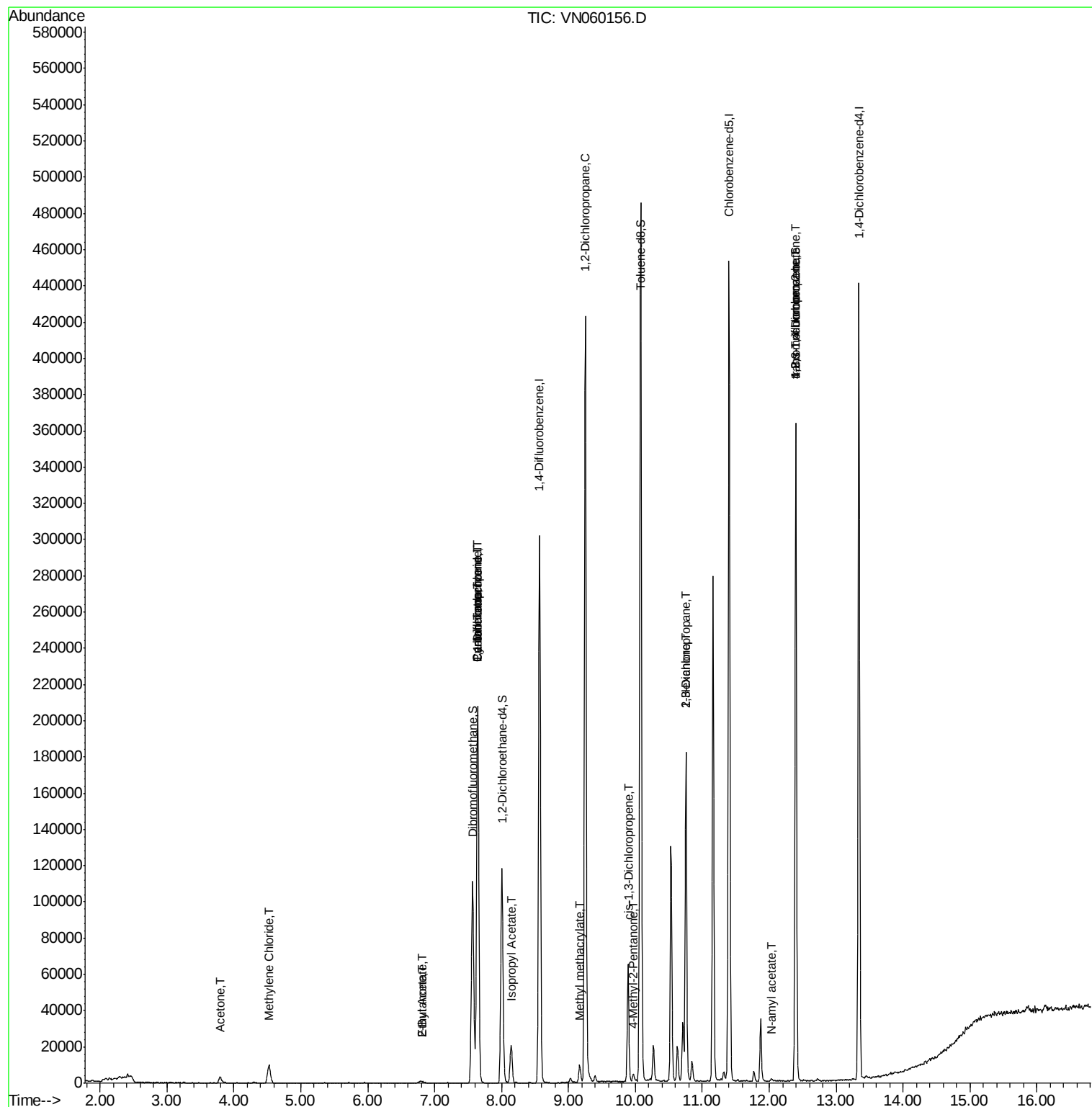
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6465	7.032	ug/l #	88
20) Methylene Chloride	4.53	84	8448	4.606	ug/l #	83
25) 2-Butanone	6.82	43	1111	0.961	ug/l #	46
31) Cyclohexane	7.64	56	3476	1.166	ug/l #	5
36) 1,1-Dichloropropene	7.64	75	12611	4.933	ug/l #	47
37) Ethyl Acetate	6.82	43	1111	0.481	ug/l #	68
38) Carbon Tetrachloride	7.64	117	16874	6.078	ug/l #	15
43) Isopropyl Acetate	8.15	43	25883	6.554	ug/l #	89
45) 1,2-Dichloropropane	9.25	63	466	0.248	ug/l #	43
48) Methyl methacrylate	9.17	41	1570	0.886	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	2555	1.118	ug/l	93
54) cis-1,3-Dichloropropene	9.89	75	11959	3.730	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	1925	0.615	ug/l #	43
59) 2-Hexanone	10.76	43	26856	15.208	ug/l #	51
74) N-amyl acetate	12.03	43	669	0.213	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	61953	27.778	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	61953	68.014	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.31	75	62	Below Cal	#	1

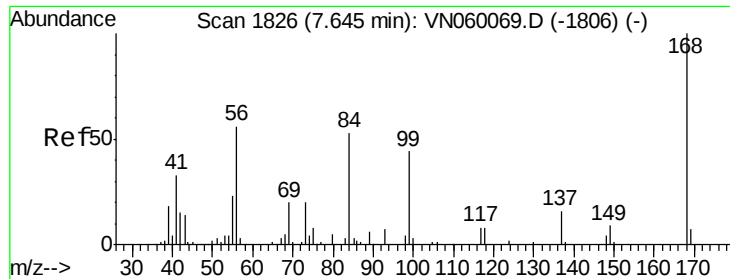
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Feb 20 01:18:11 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: VN060156.D

Acq: 19 Feb 2020 15:18

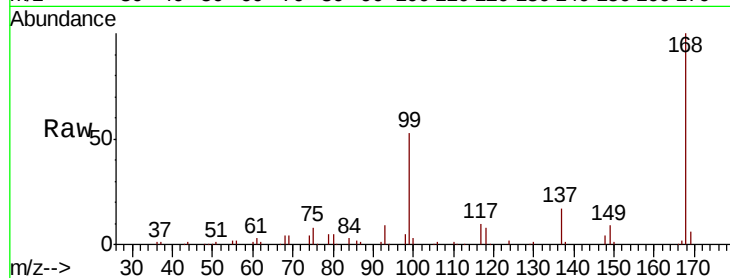
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 173206

Ion Ratio Lower Upper

168 100

99 52.9 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

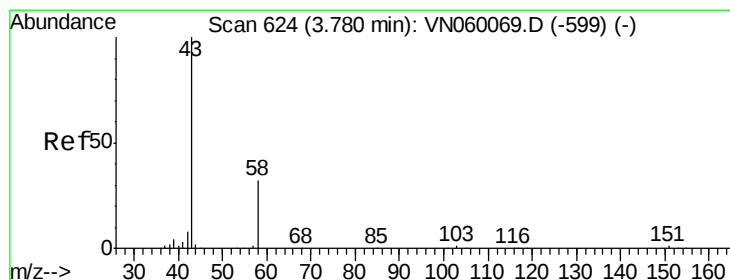
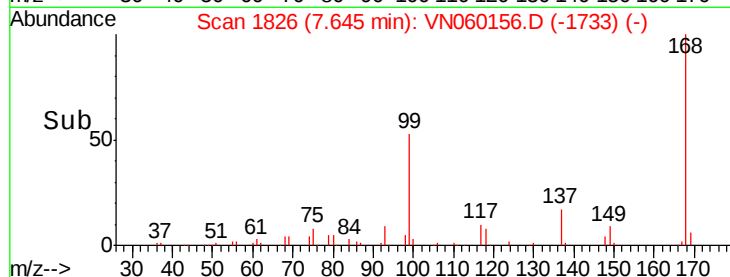
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#16

Acetone

Concen: 7.032 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060156.D

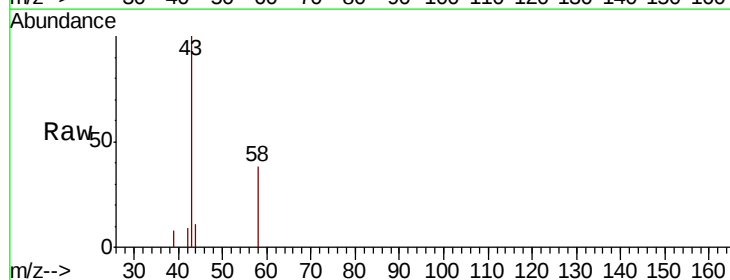
Acq: 19 Feb 2020 15:18

Tgt Ion: 43 Resp: 6465

Ion Ratio Lower Upper

43 100

58 38.0 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

2000

1500

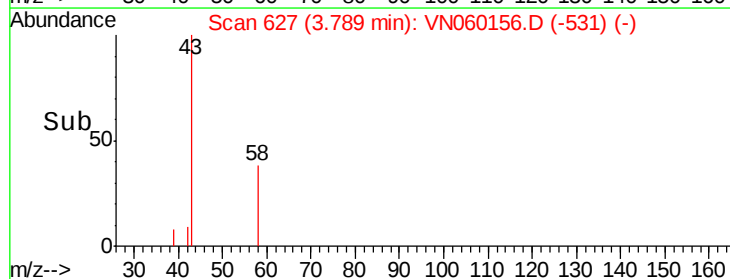
1000

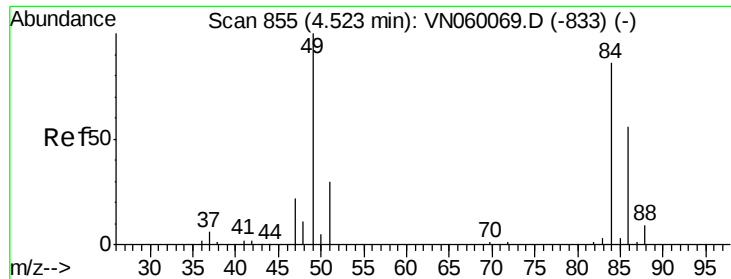
500

0

3.70 3.75 3.80 3.85 3.90

Time-->

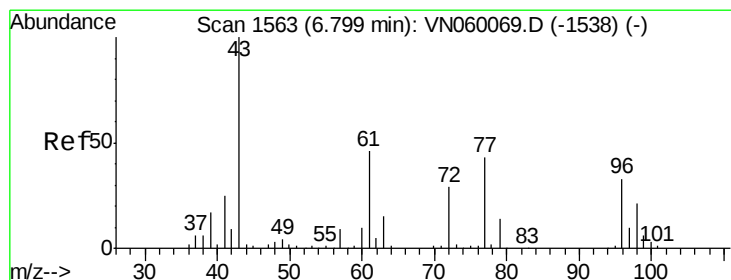
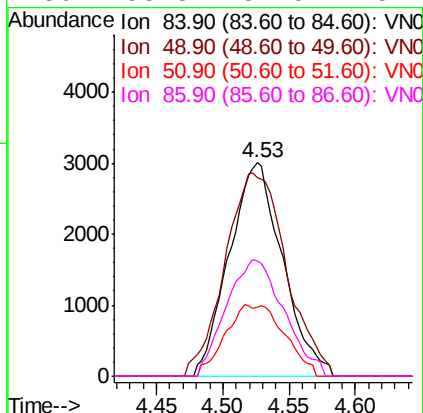
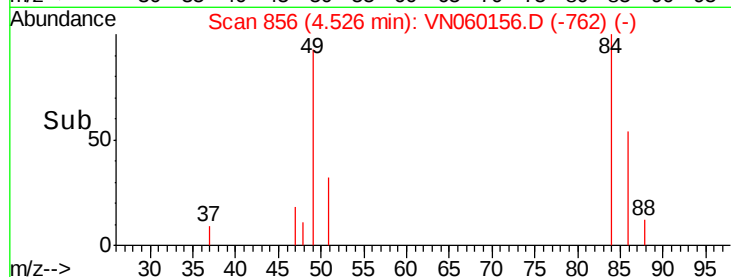
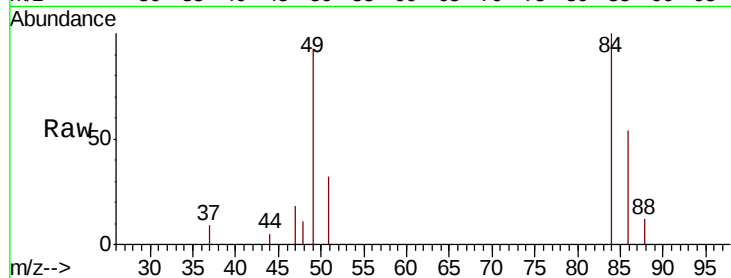




#20
Methvlene Chloride
Concen: 4.606 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060156.D
Acq: 19 Feb 2020 15:18

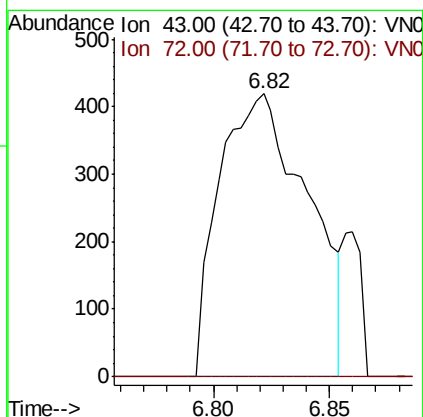
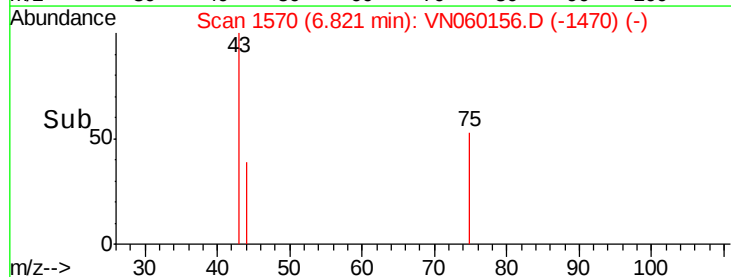
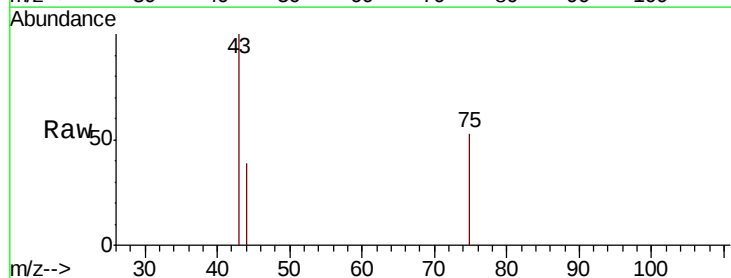
Instrument :
MSVOA_N
ClientSampled :

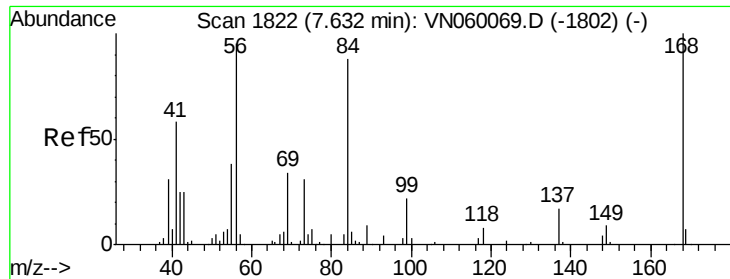
Tot Ion: 84 Resp: 8448
Ion Ratio Lower Upper
84 100
49 92.9 93.4 140.0#
51 32.2 28.4 42.6
86 53.8 52.5 78.7



#25
2-Butanone
Concen: 0.961 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VN060156.D
Acq: 19 Feb 2020 15:18

Tgt Ion: 43 Resp: 1111
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#

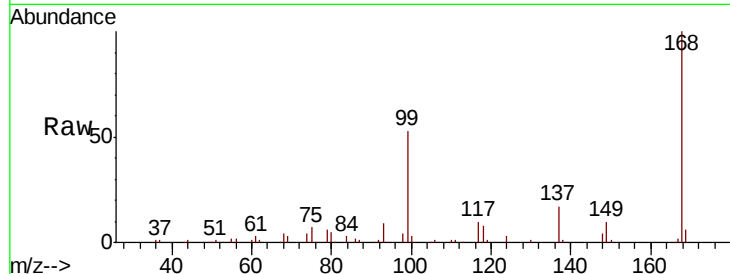




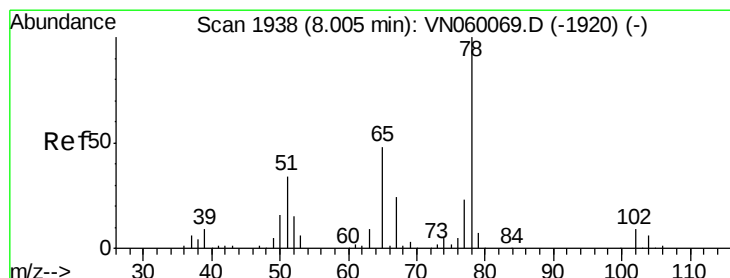
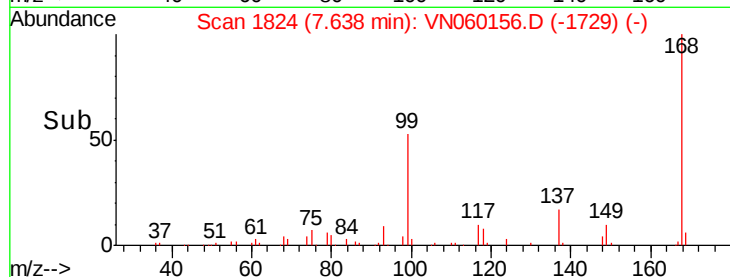
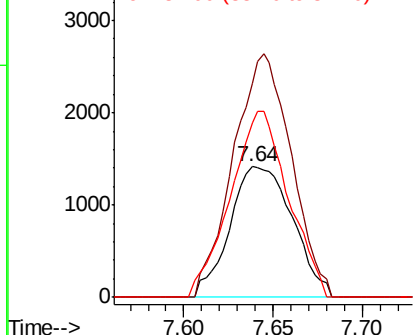
#31
Cyclohexane
Concen: 1.166 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060156.D
Acq: 19 Feb 2020 15:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3476
Ion Ratio Lower Upper
56 100
69 164.3 28.3 42.5#
84 133.7 72.6 108.8#

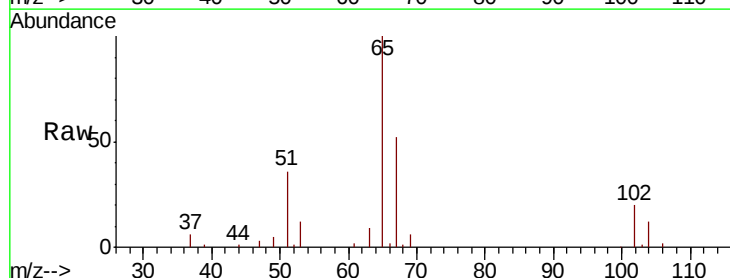


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

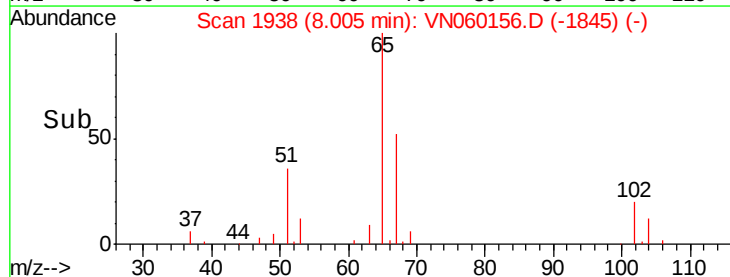
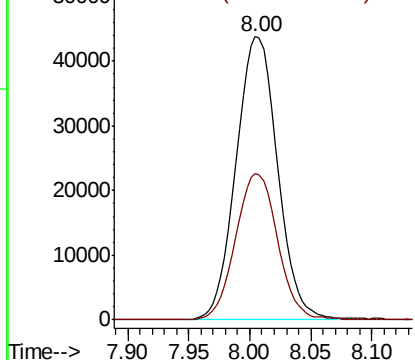


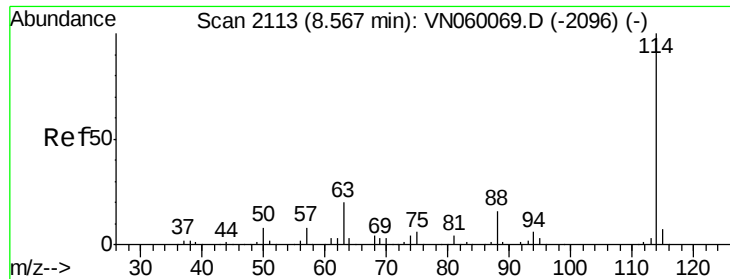
#33
1,2-Dichloroethane-d4
Concen: 48.986 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060156.D
Acq: 19 Feb 2020 15:18

Tgt Ion: 65 Resp: 103244
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.0



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

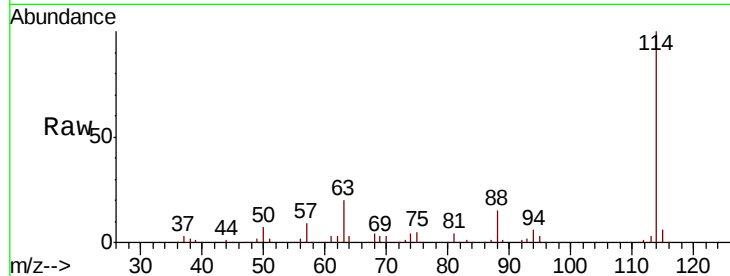




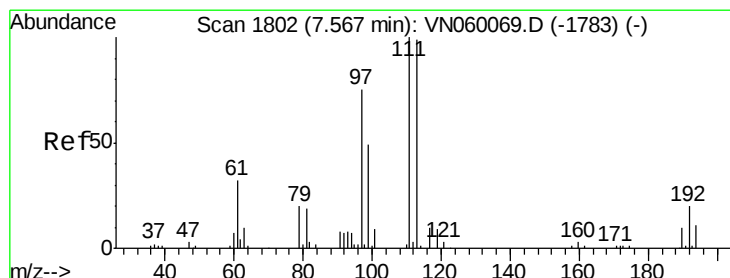
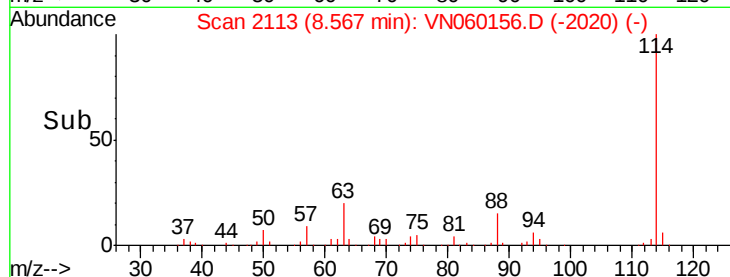
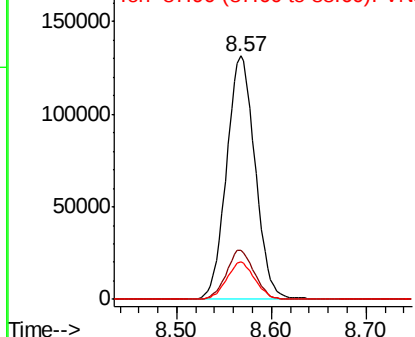
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060156.D
Acq: 19 Feb 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 275995
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.0
88 15.4 0.0 31.6

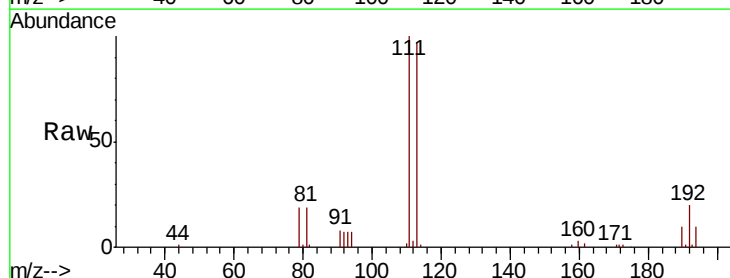


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

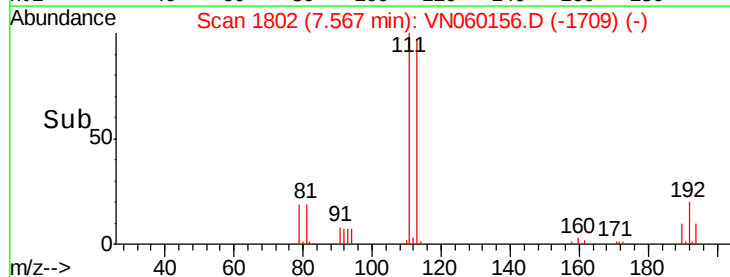
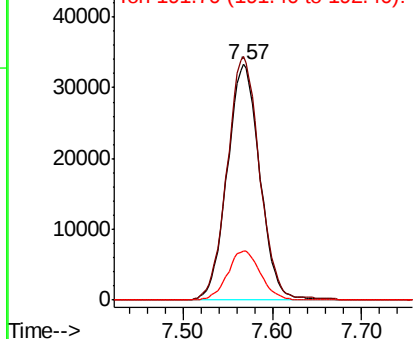


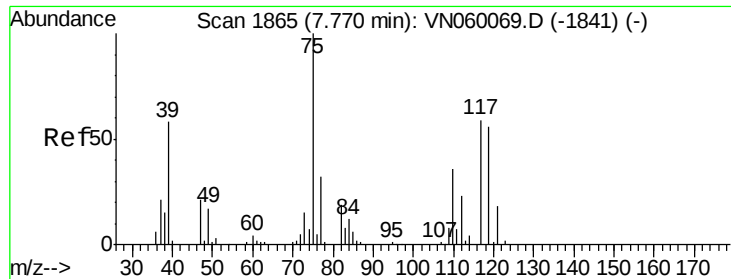
#35
Dibromofluoromethane
Concen: 49.654 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060156.D
Acq: 19 Feb 2020 15:18

Tgt Ion:113 Resp: 84240
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.2
192 21.0 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

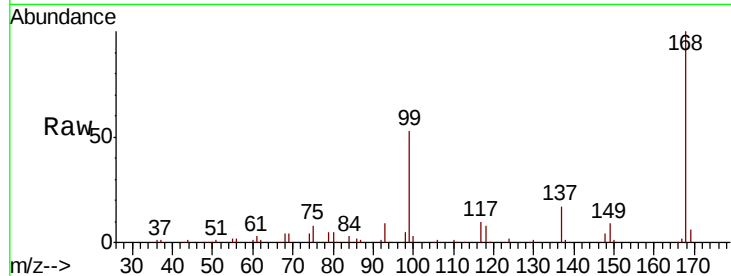




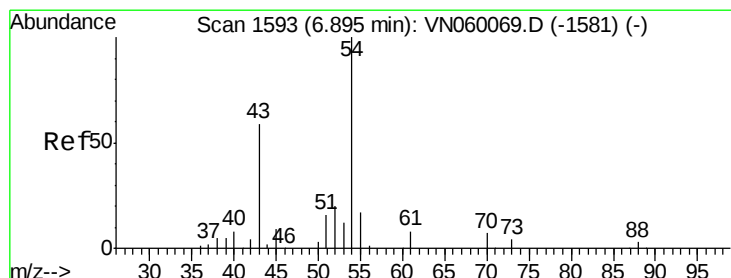
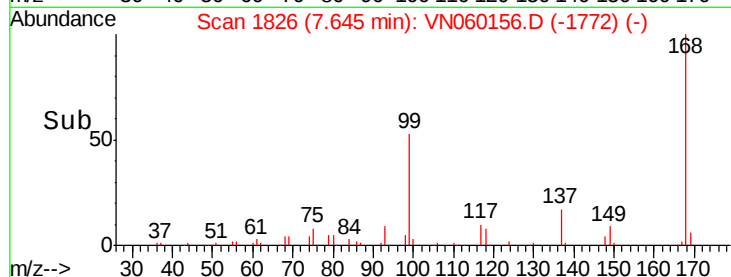
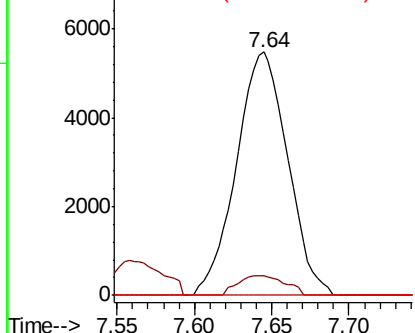
#36
 1,1-Dichloropropene
 Concen: 4.933 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060156.D
 Acq: 19 Feb 2020 15:18

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 12611
 Ion Ratio Lower Upper
 75 100
 110 7.4 18.1 54.3#
 77 0.0 25.1 37.7#

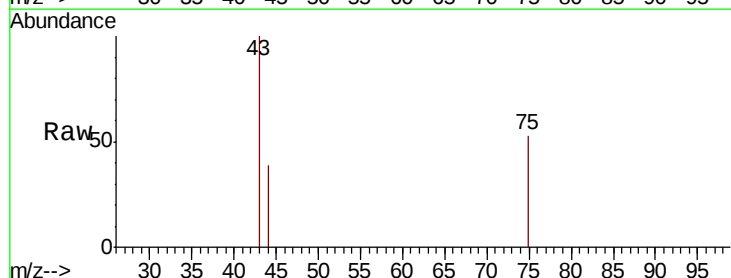


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN
 Ion 76.90 (76.60 to 77.60): VN

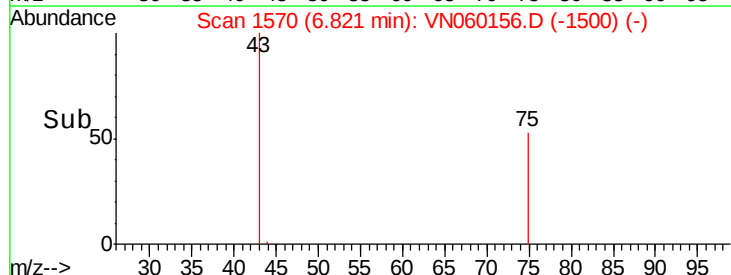
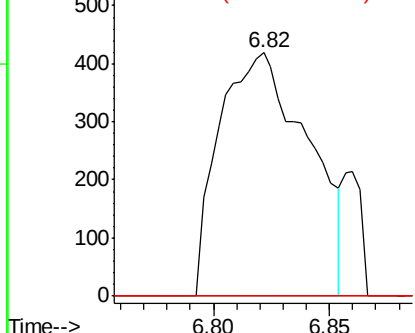


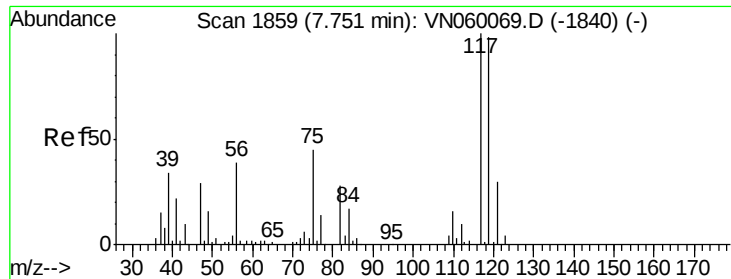
#37
 Ethyl Acetate
 Concen: 0.481 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.07 min
 Lab File: VN060156.D
 Acq: 19 Feb 2020 15:18

Tgt Ion: 43 Resp: 1111
 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

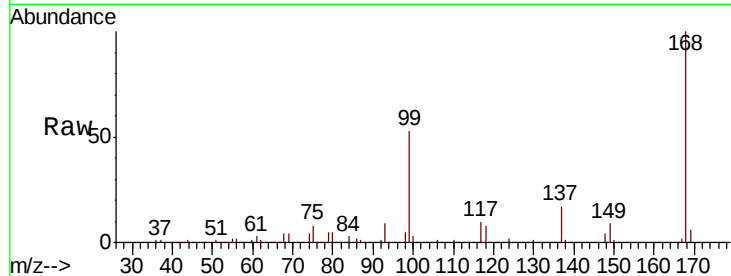




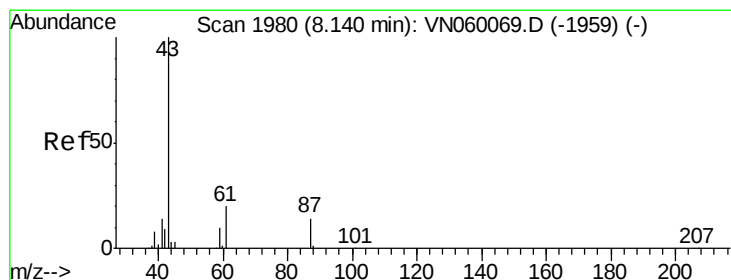
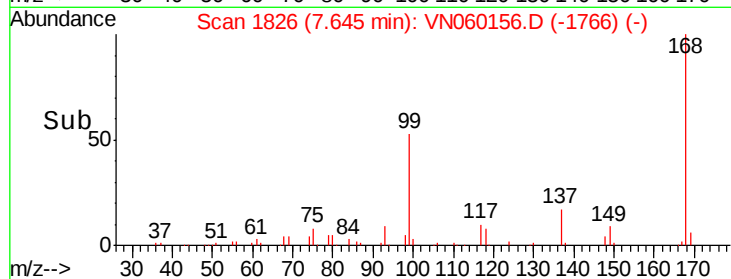
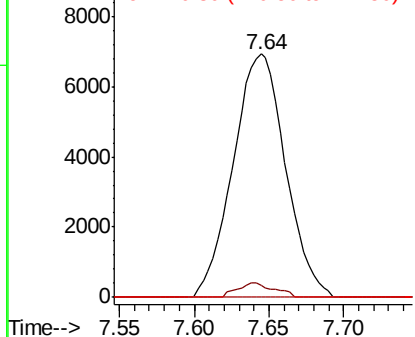
#38
Carbon Tetrachloride
Concen: 6.078 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060156.D
Acq: 19 Feb 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 16874
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.4#
121 0.0 24.2 36.2#

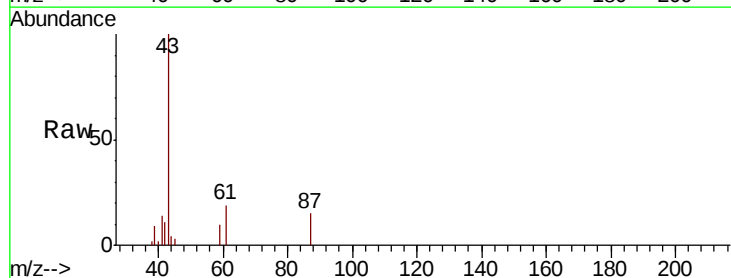


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

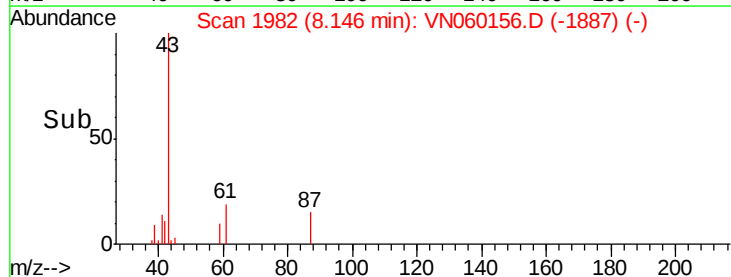
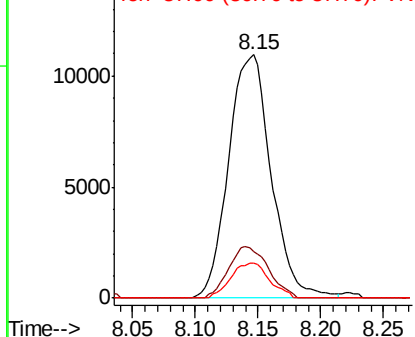


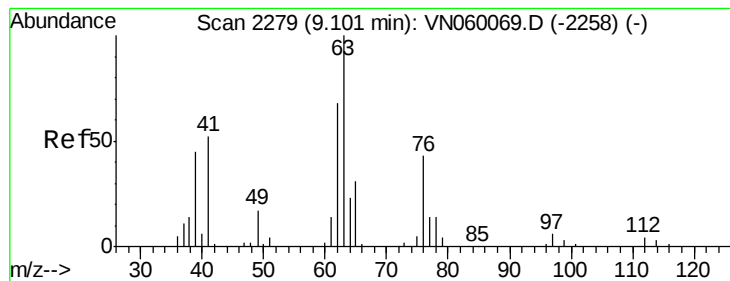
#43
Isopropyl Acetate
Concen: 6.554 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VN060156.D
Acq: 19 Feb 2020 15:18

Tgt Ion: 43 Resp: 25883
Ion Ratio Lower Upper
43 100
61 19.7 21.8 32.6#
87 13.0 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: 0.248 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060156.D

Acq: 19 Feb 2020 15:18

Instrument :

MSVOA_N

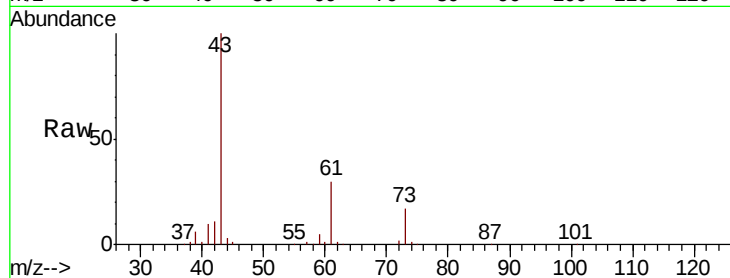
ClientSampleId :

Tot Ion: 63 Resp: 466

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.25

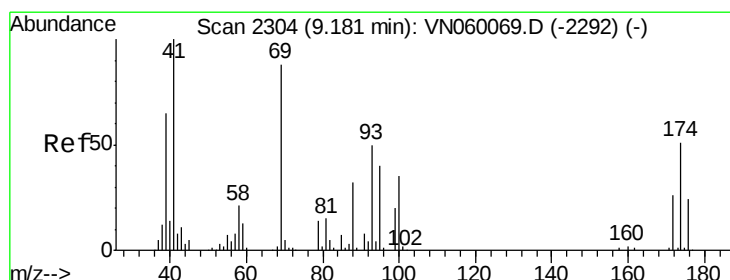
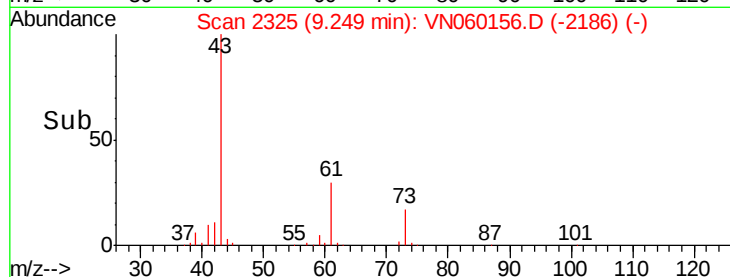
300

200

100

0

Time-->



#48

Methyl methacrylate

Concen: 0.886 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.01 min

Lab File: VN060156.D

Acq: 19 Feb 2020 15:18

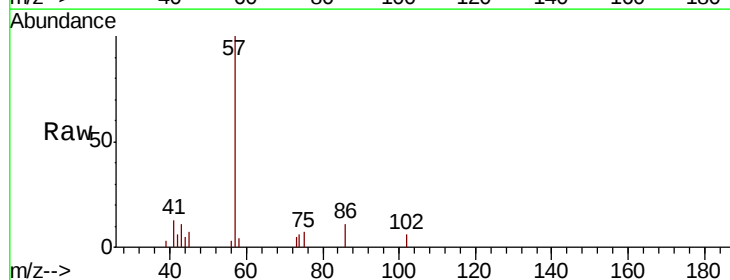
Tgt Ion: 41 Resp: 1570

Ion Ratio Lower Upper

41 100

69 0.0 72.0 108.0#

39 0.0 54.1 81.1#



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

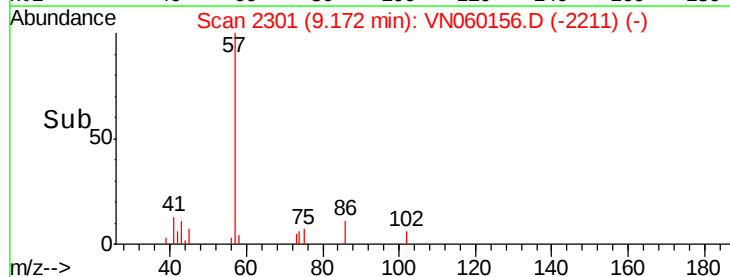
15000

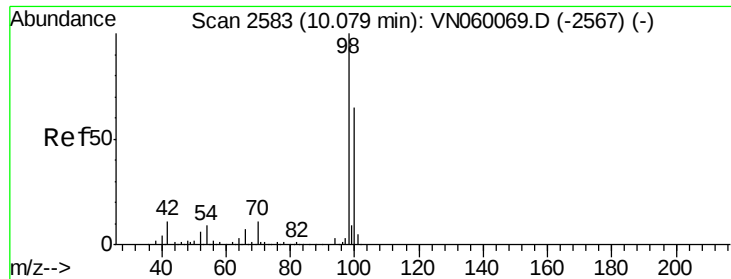
10000

5000

0

Time-->





#50

Toluene-d8

Concen: 50.625 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060156.D

Acq: 19 Feb 2020 15:18

Instrument :

MSVOA_N

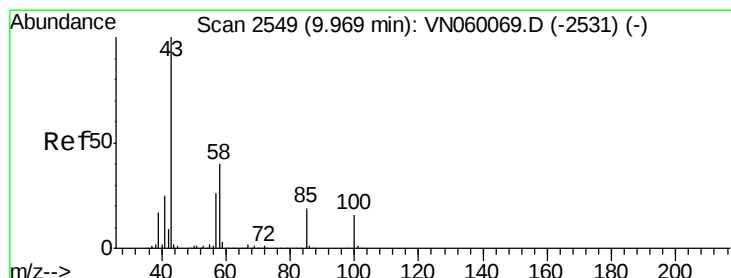
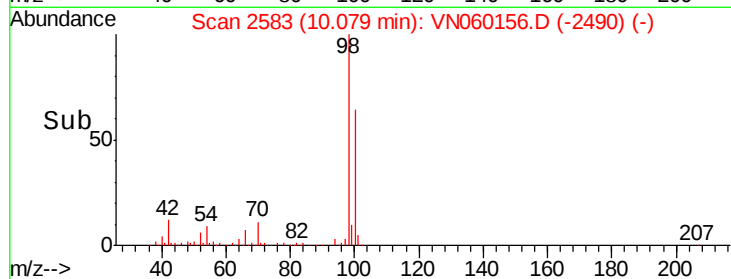
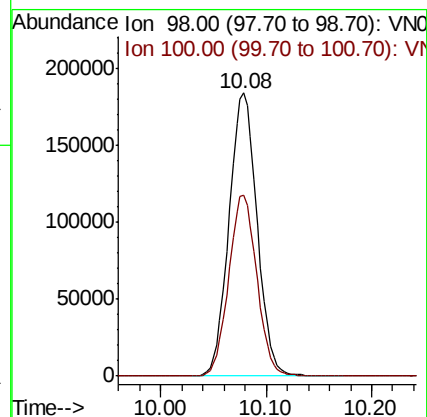
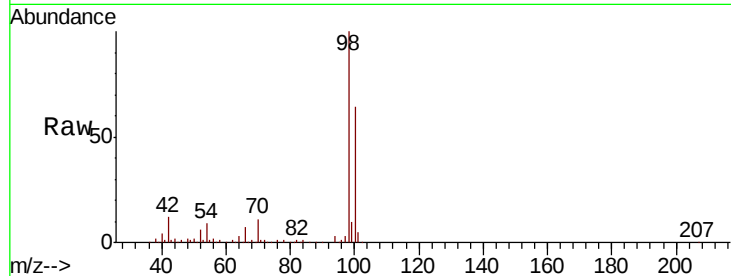
ClientSampled :

Tot Ion: 98 Resp: 338219

Ion Ratio Lower Upper

98 100

100 64.1 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 1.118 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060156.D

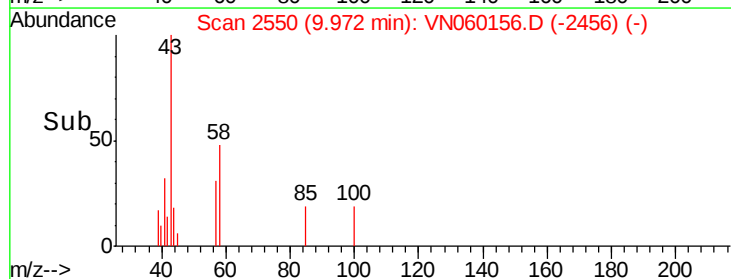
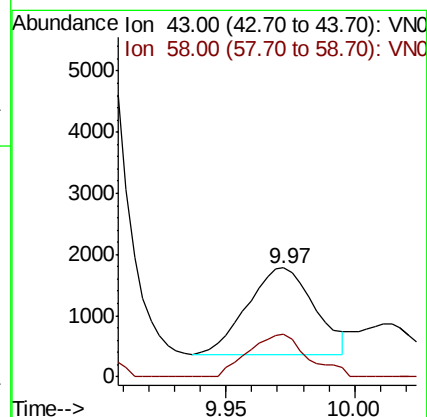
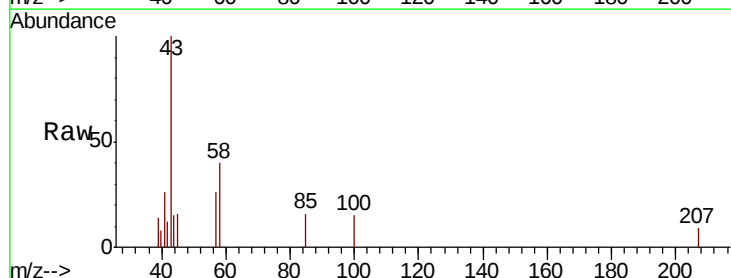
Acq: 19 Feb 2020 15:18

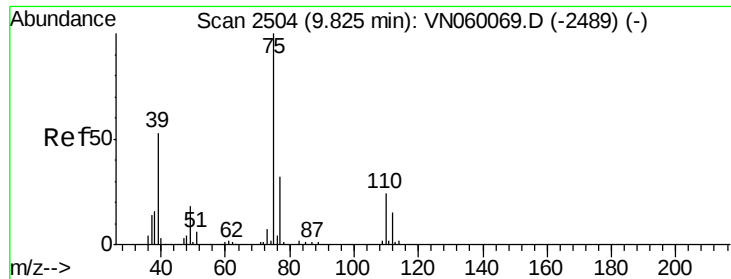
Tgt Ion: 43 Resp: 2555

Ion Ratio Lower Upper

43 100

58 44.1 31.8 47.8



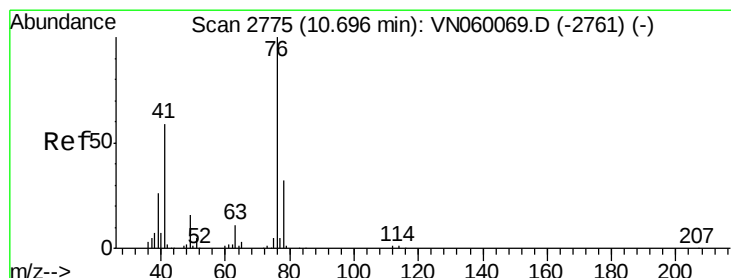
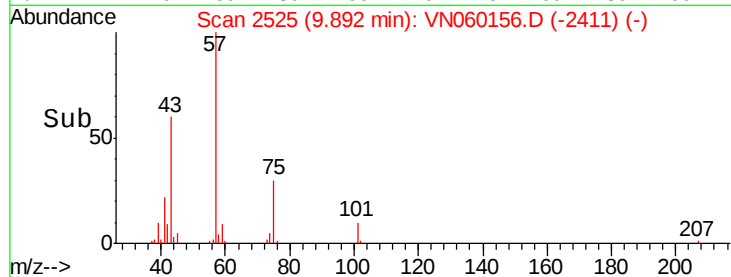
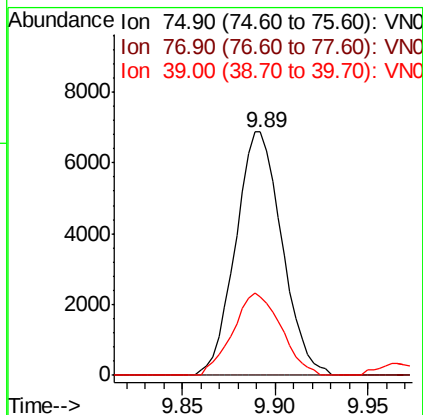
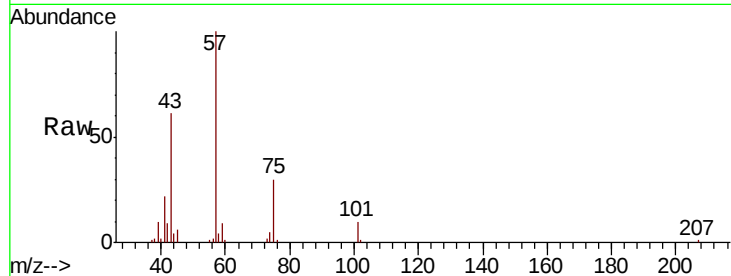


#54

cis-1,3-Dichloropropene
 Concen: 3.730 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN060156.D
 Acq: 19 Feb 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :

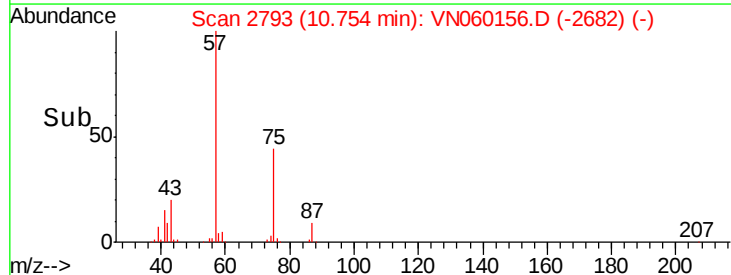
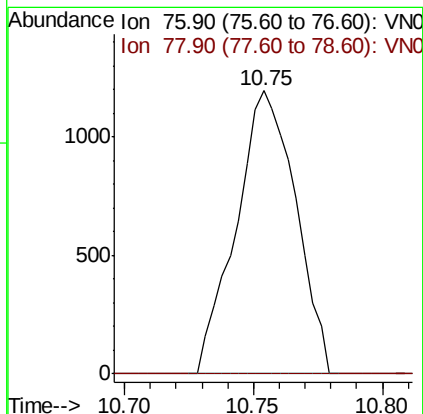
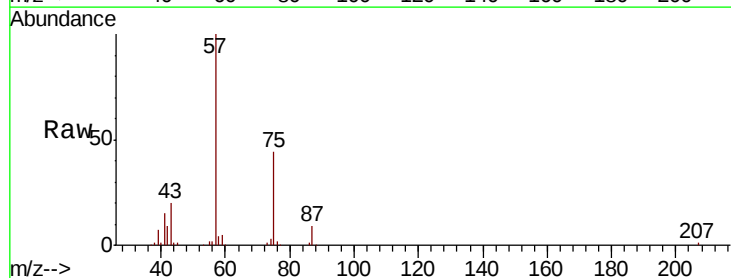
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.6	38.4#
39	32.4	42.2	63.4#

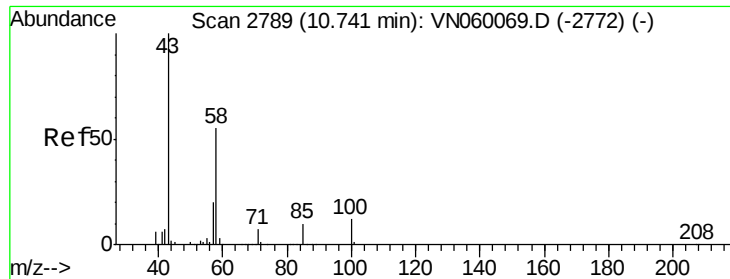


#57

1,3-Dichloropropane
 Concen: 0.615 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060156.D
 Acq: 19 Feb 2020 15:18

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.7	38.5#

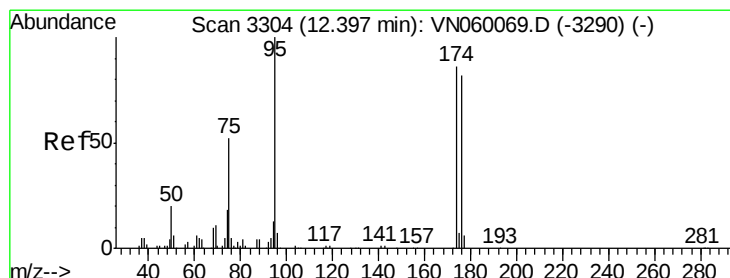
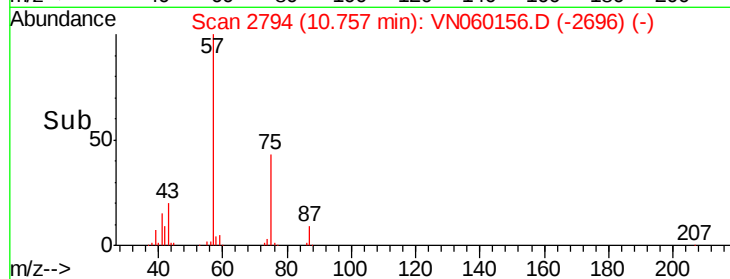
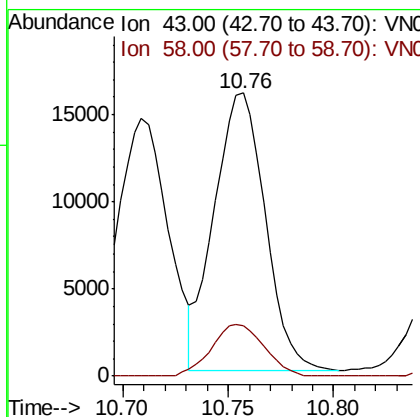
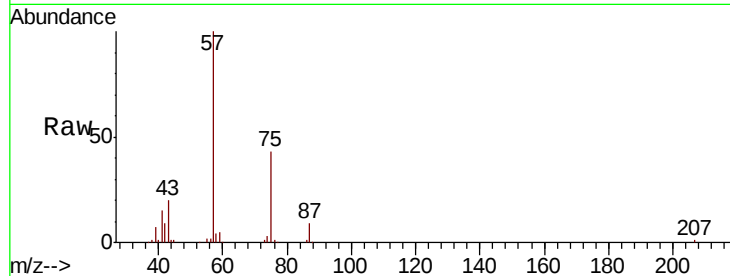




#59
2-Hexanone
Concen: 15.208 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.02 min
Lab File: VN060156.D
Acq: 19 Feb 2020 15:18

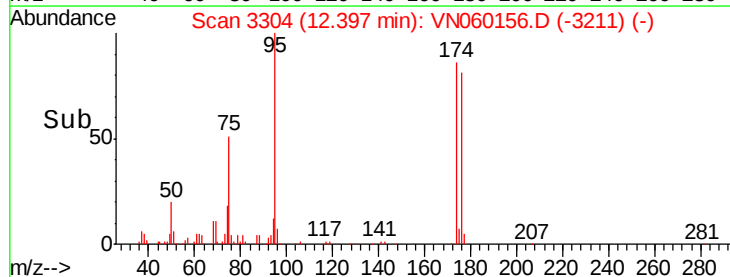
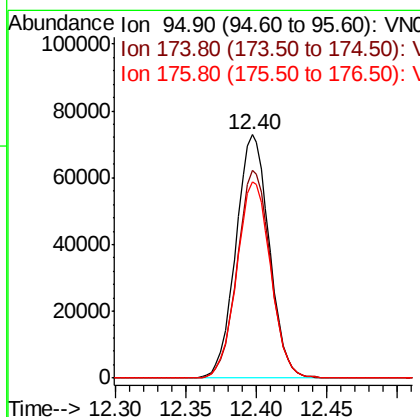
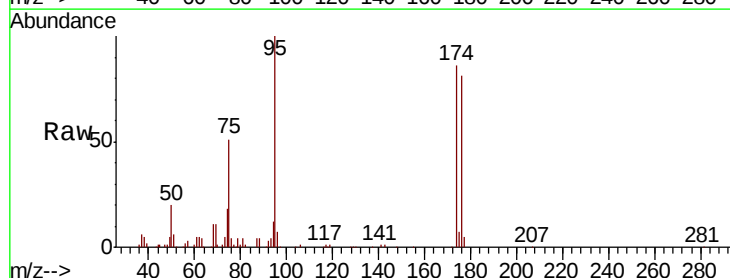
Instrument :
MSVOA_N
ClientSampled :

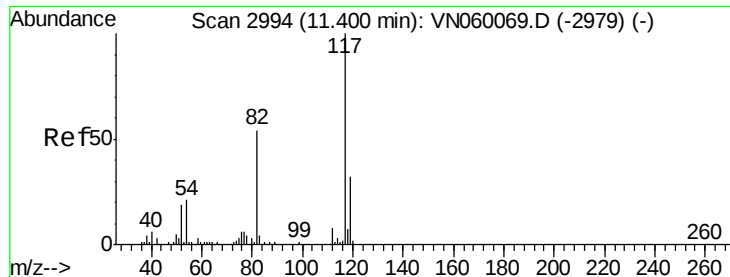
Tot Ion: 43 Resp: 26856
Ion Ratio Lower Upper
43 100
58 19.2 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 49.382 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060156.D
Acq: 19 Feb 2020 15:18

Tgt Ion: 95 Resp: 121228
Ion Ratio Lower Upper
95 100
174 85.0 0.0 169.8
176 81.7 0.0 164.8

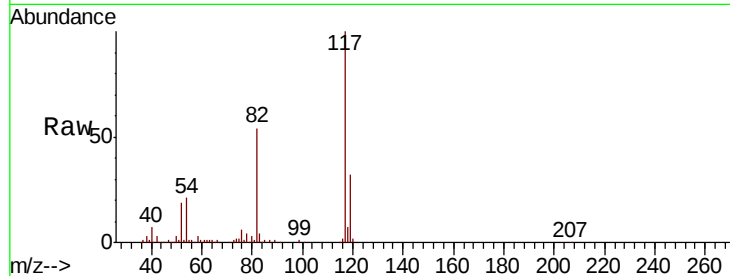




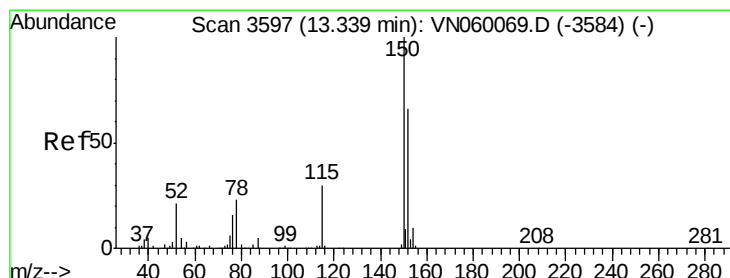
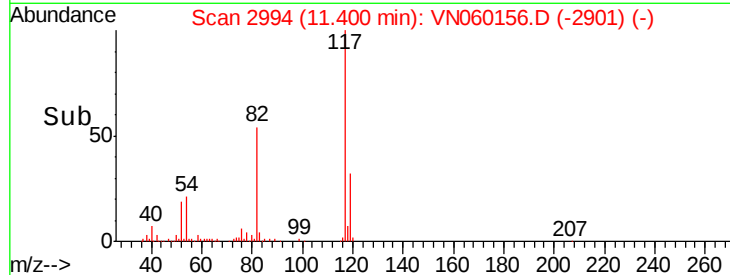
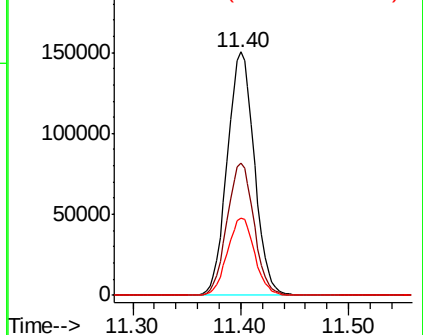
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060156.D
Acq: 19 Feb 2020 15:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.4	65.0
119	31.8	25.8	38.6

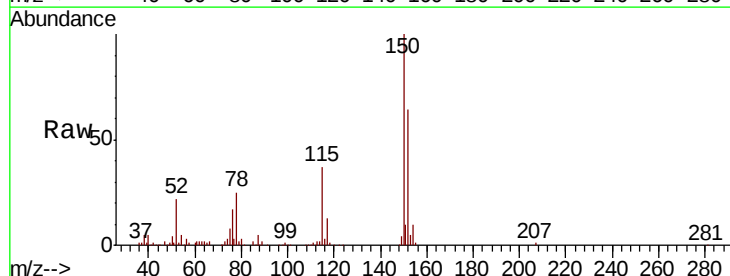


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

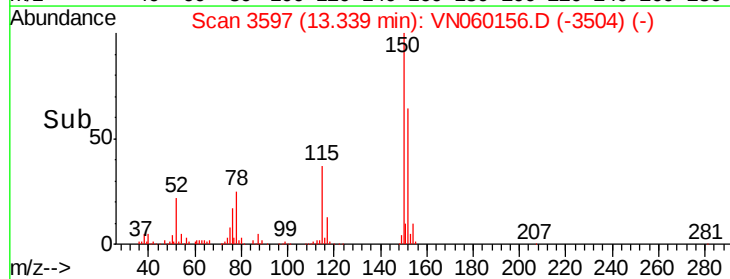
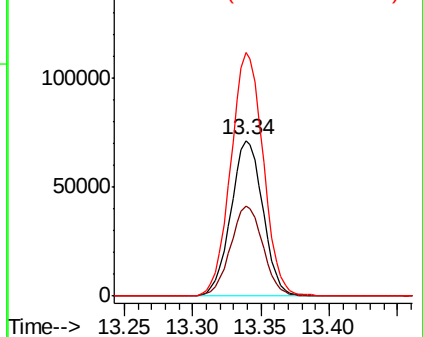


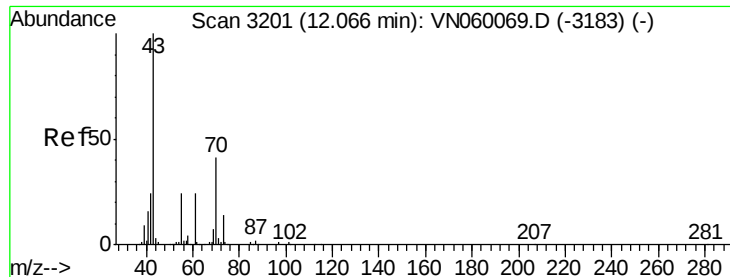
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060156.D
Acq: 19 Feb 2020 15:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.9	86.8
150	158.2	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-amvl acetate

Concen: 0.213 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN060156.D

Acq: 19 Feb 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 669

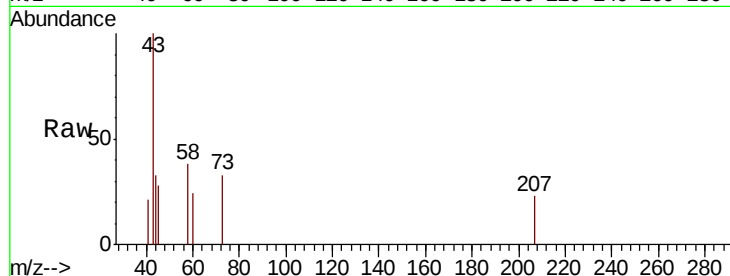
Ion Ratio Lower Upper

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

1000

800

600

400

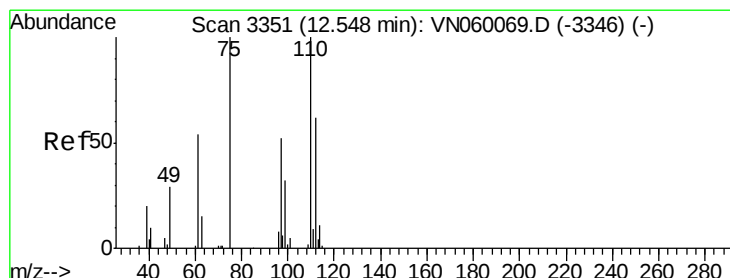
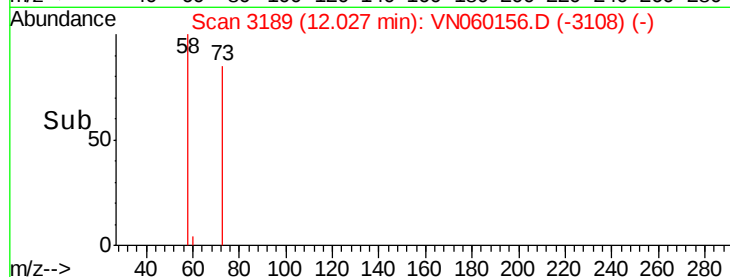
200

0

12.00

12.05

Time-->



#76

1,2,3-Trichloropropane

Concen: 27.778 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060156.D

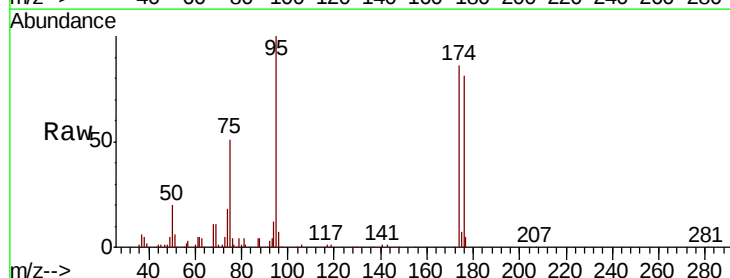
Acq: 19 Feb 2020 15:18

Tgt Ion: 75 Resp: 61953

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

40000

30000

20000

10000

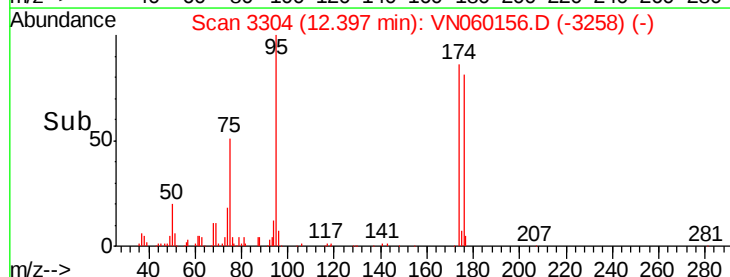
0

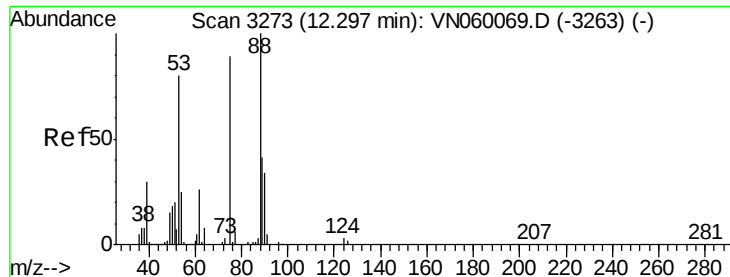
12.35

12.40

12.45

Time-->

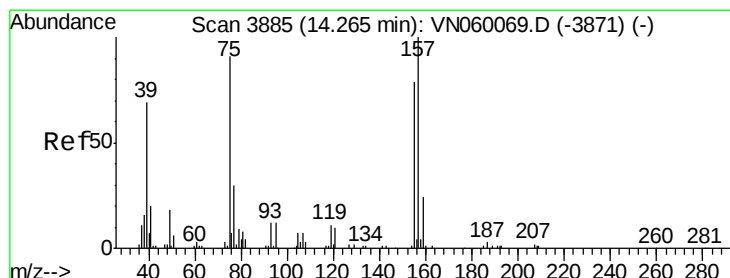
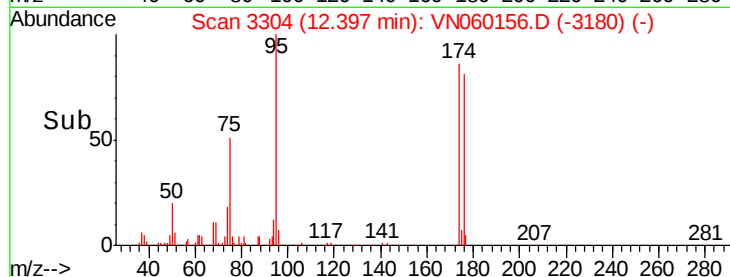
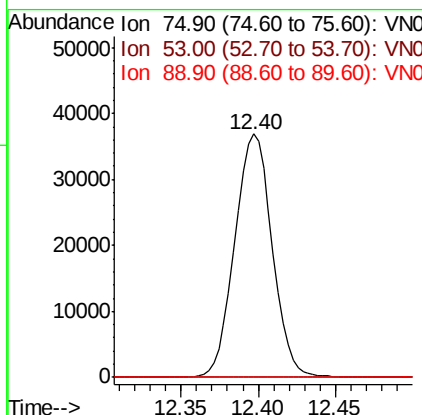
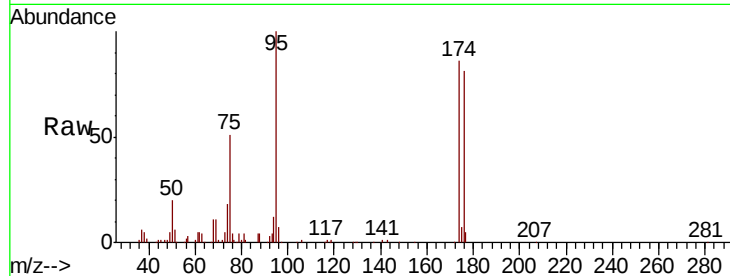




#81
trans-1,4-Dichloro-2-butene
Concen: 68.014 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060156.D
Acq: 19 Feb 2020 15:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 61953
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: VN060156.D
Acq: 19 Feb 2020 15:18

Tgt Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
155 0.0 43.0 129.0#
157 0.0 54.9 164.5#

