

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060154.D
 Acq On : 19 Feb 2020 14:32
 Operator : JC/MD
 Sample : L1573-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 20 01:17:45 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	174077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	272368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	255123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	112935	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	102798	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
35) Dibromofluoromethane	7.57	113	83833	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	10.08	98	331269	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	117901	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	

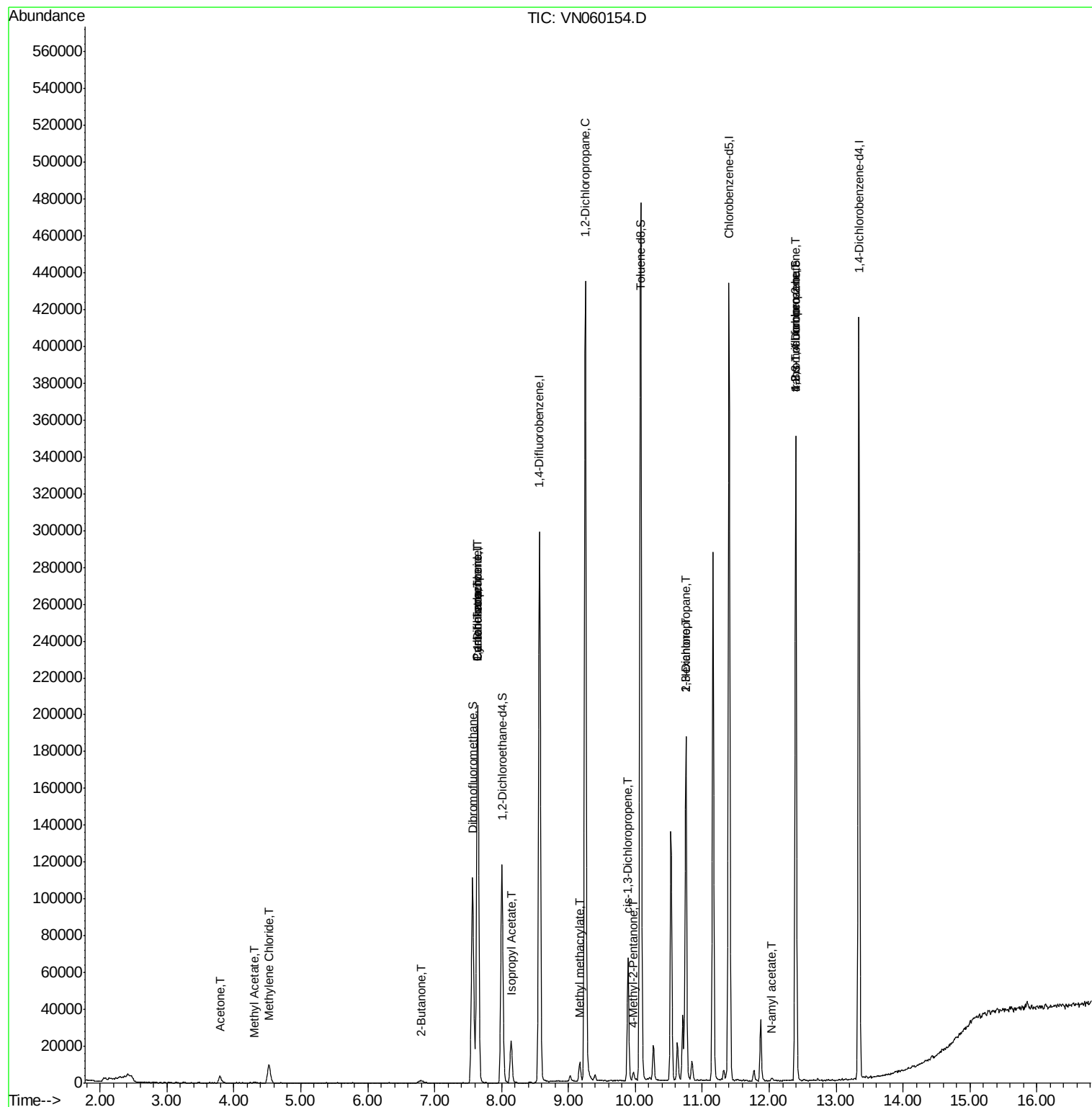
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	7039	7.618	ug/l	94
18) Methyl Acetate	4.30	43	353	0.203	ug/l #	50
20) Methylene Chloride	4.52	84	8102	4.395	ug/l	95
25) 2-Butanone	6.81	43	485	0.417	ug/l #	46
31) Cyclohexane	7.64	56	3243	1.082	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12225	4.846	ug/l #	49
38) Carbon Tetrachloride	7.64	117	16645	6.075	ug/l #	14
43) Isopropyl Acetate	8.14	43	27662	7.097	ug/l #	89
45) 1,2-Dichloropropane	9.25	63	600	0.324	ug/l #	43
48) Methyl methacrylate	9.17	41	1600	0.915	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	3180	1.410	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	12437	3.931	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	1910	0.618	ug/l #	43
59) 2-Hexanone	10.75	43	26944	15.461	ug/l #	51
74) N-amyl acetate	12.03	43	1164	0.383	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	60138	27.833	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	60138	68.149	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.31	75	67	Below Cal	#	1

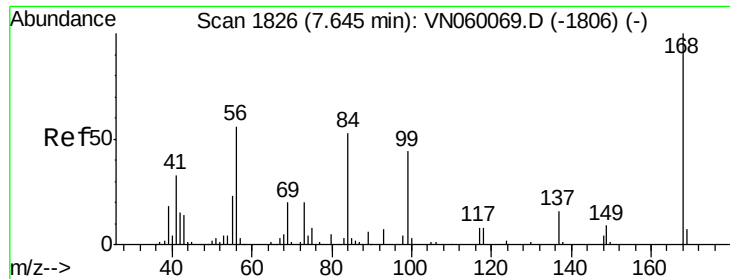
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060154.D

Acq: 19 Feb 2020 14:32

Instrument :

MSVOA_N

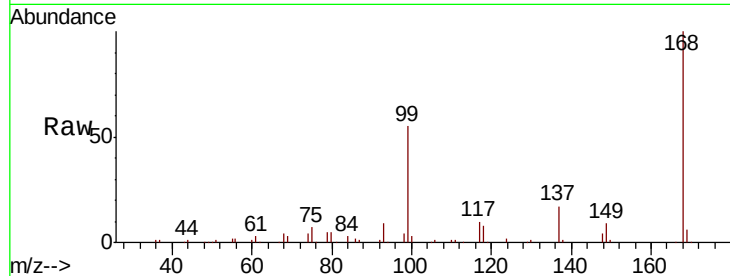
ClientSampleId :

Tot Ion:168 Resp: 174077

Ion Ratio Lower Upper

168 100

99 54.7 42.7 64.1

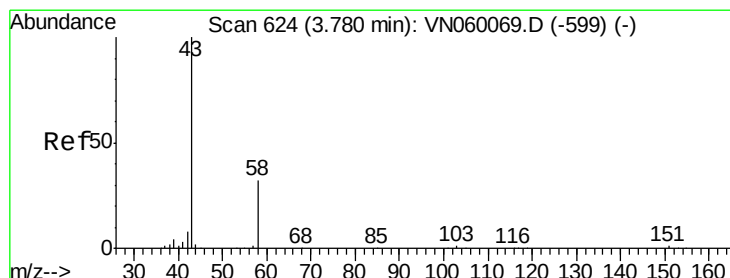
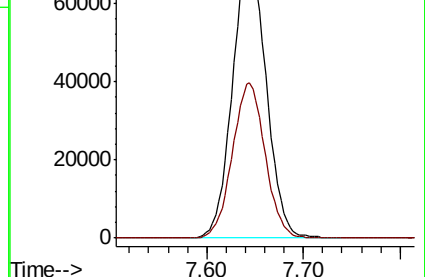
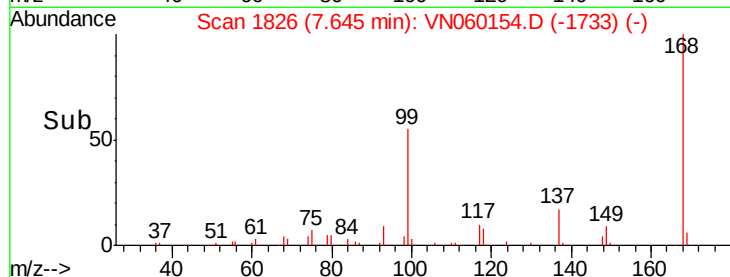


Abundance Ion 167.90 (167.60 to 168.60): VN060069.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060069.D (-1806) (-)

7.64

Time-->



#16

Acetone

Concen: 7.618 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060154.D

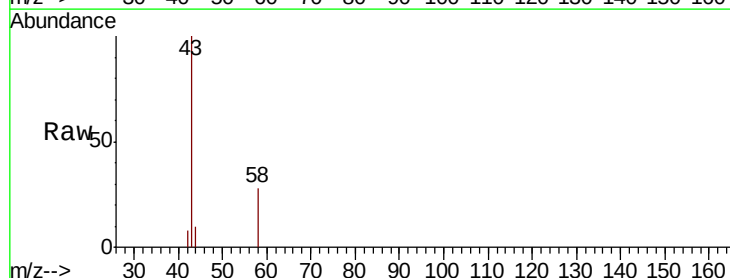
Acq: 19 Feb 2020 14:32

Tgt Ion: 43 Resp: 7039

Ion Ratio Lower Upper

43 100

58 28.0 25.2 37.8

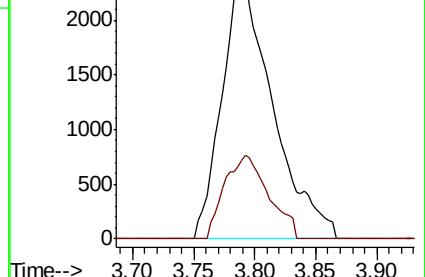
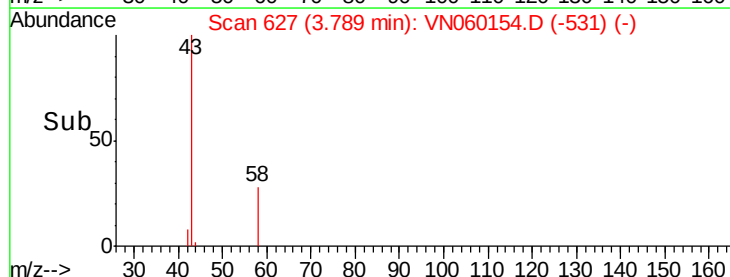


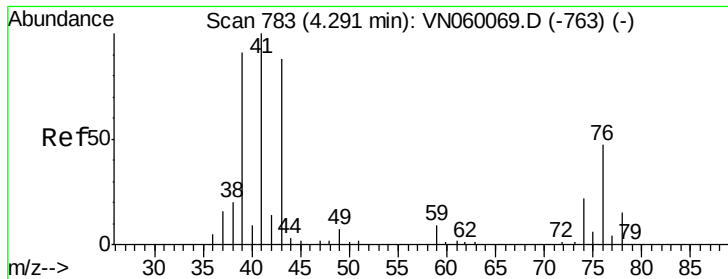
Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-599) (-)

3.79

Time-->

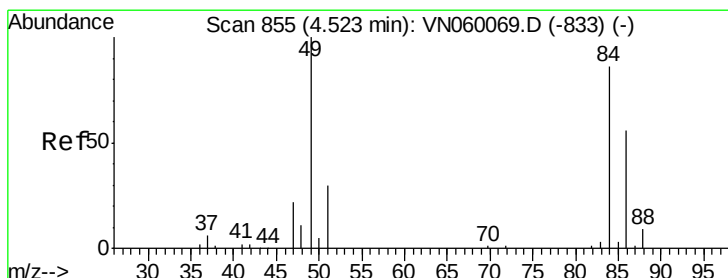
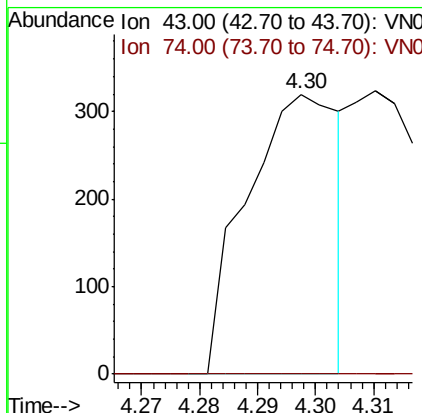
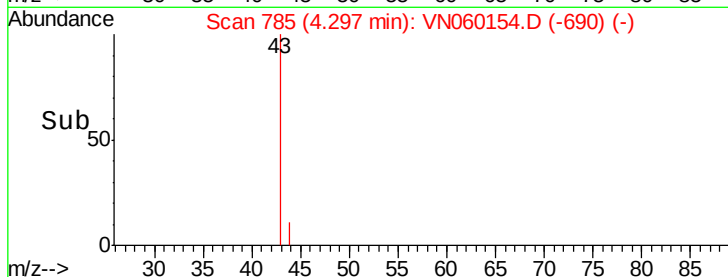
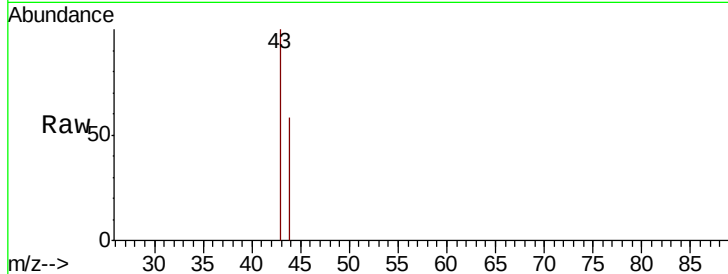




#18
Methyl Acetate
Concen: 0.203 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060154.D
Acq: 19 Feb 2020 14:32

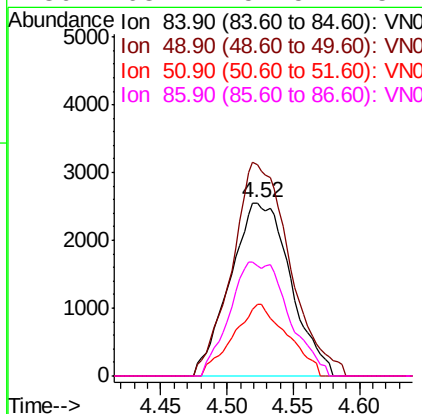
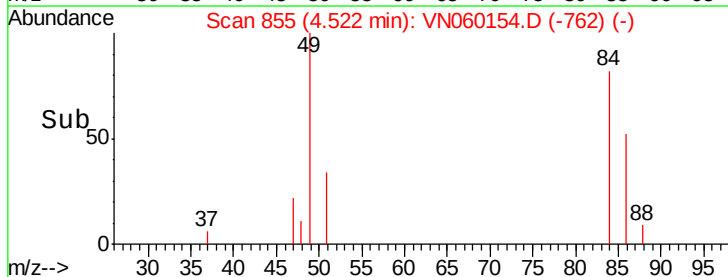
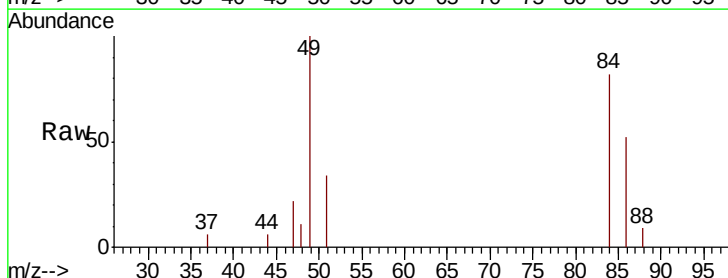
Instrument :
MSVOA_N
ClientSampled :

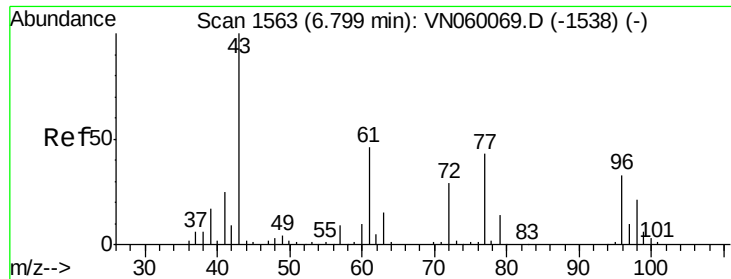
Tot Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 4.395 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060154.D
Acq: 19 Feb 2020 14:32

Tgt Ion: 84 Resp: 8102
Ion Ratio Lower Upper
84 100
49 121.9 93.4 140.0
51 41.7 28.4 42.6
86 63.4 52.5 78.7

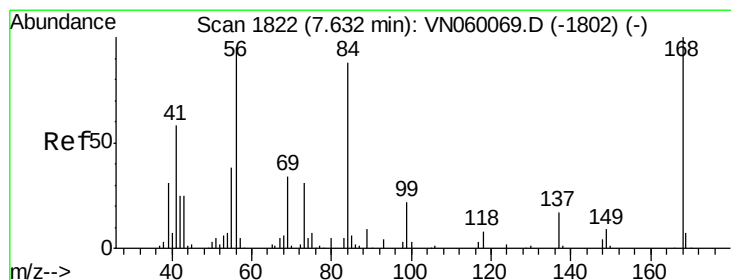
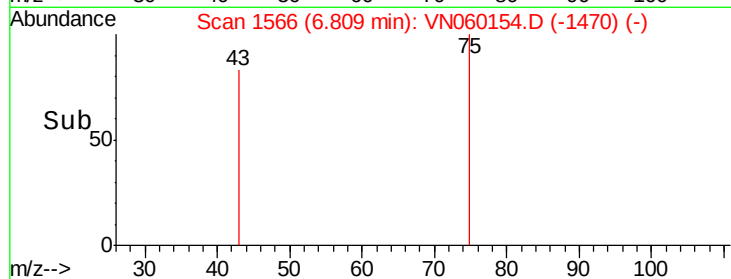
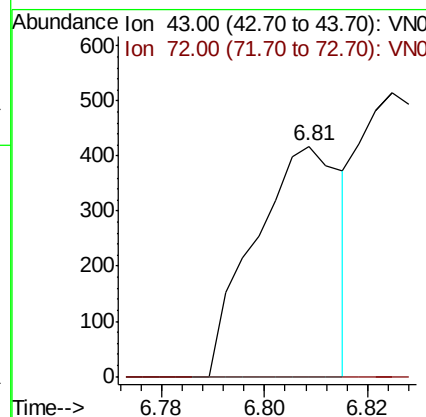
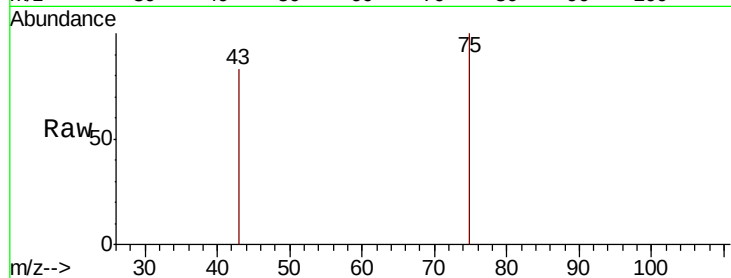




#25
2-Butanone
Concen: 0.417 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060154.D
Acq: 19 Feb 2020 14:32

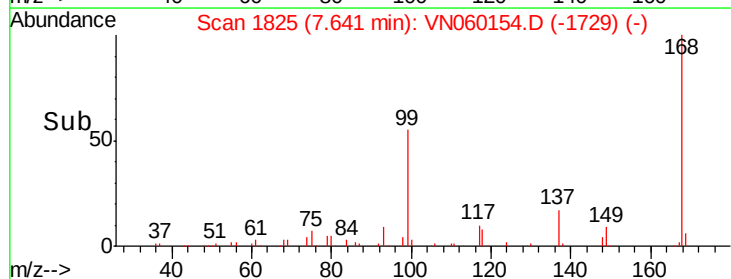
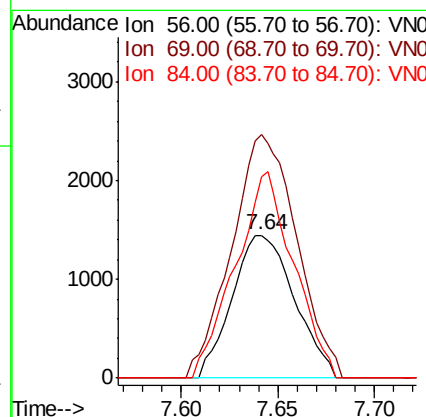
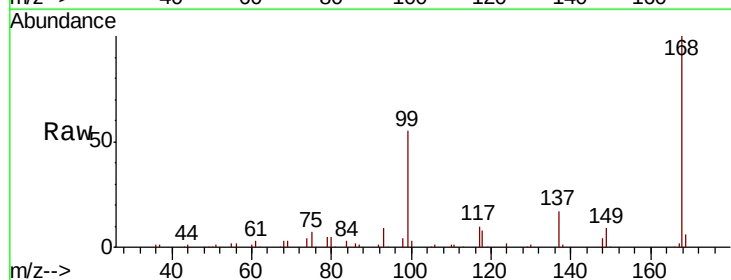
Instrument :
MSVOA_N
ClientSampleId :

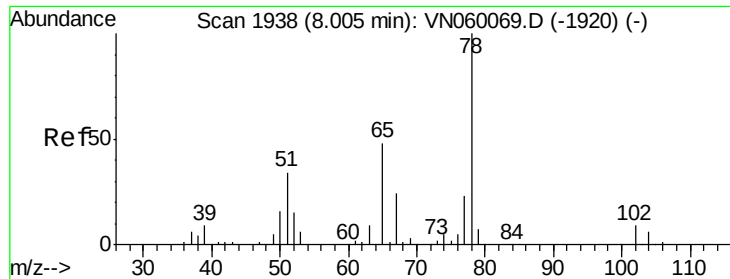
Tot Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#



#31
Cyclohexane
Concen: 1.082 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060154.D
Acq: 19 Feb 2020 14:32

Tgt Ion: 56 Resp: 3243
Ion Ratio Lower Upper
56 100
69 170.5 28.3 42.5#
84 140.9 72.6 108.8#

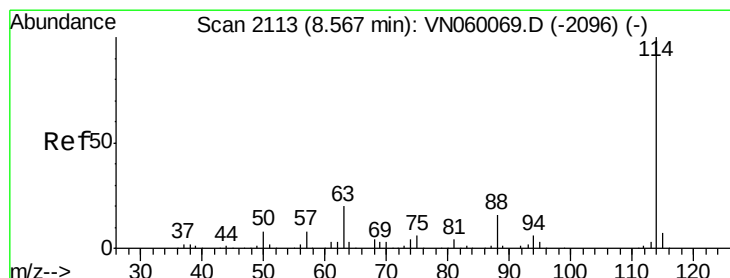
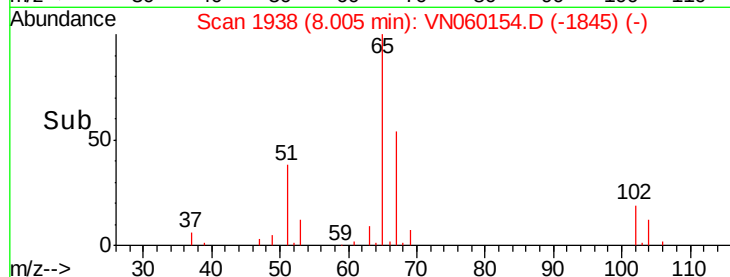
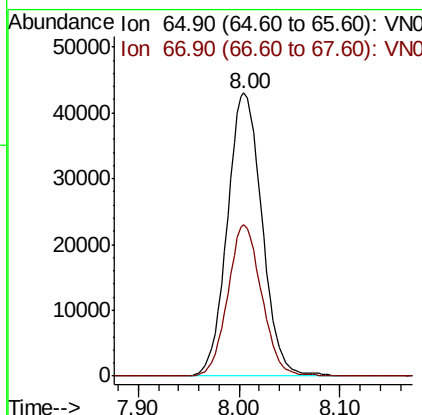
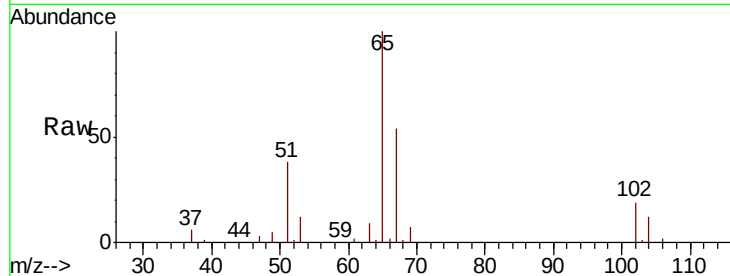




#33
 1,2-Dichloroethane-d4
 Concen: 48.530 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060154.D
 Acq: 19 Feb 2020 14:32

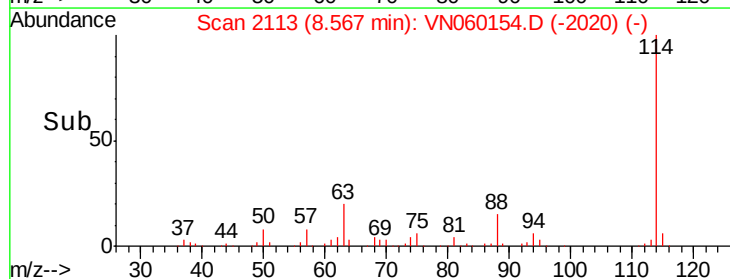
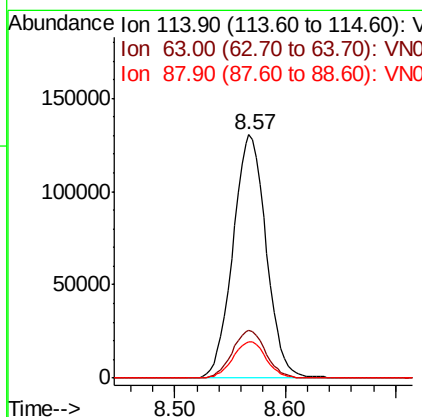
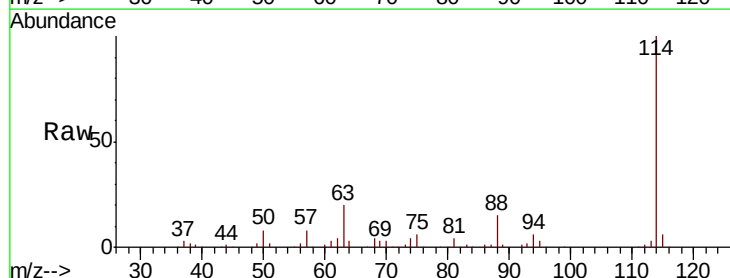
Instrument :
 MSVOA_N
 ClientSampleId :

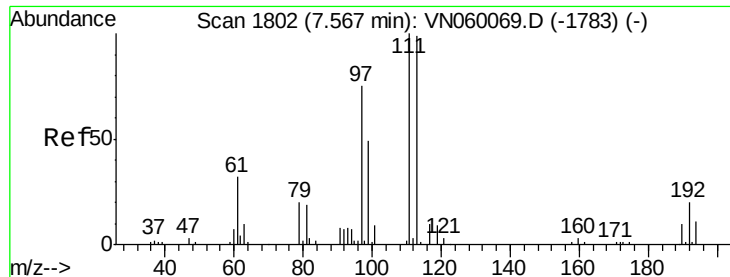
Tot Ion: 65 Resp: 102798
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060154.D
 Acq: 19 Feb 2020 14:32

Tgt Ion: 114 Resp: 272368
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 14.9 0.0 31.6

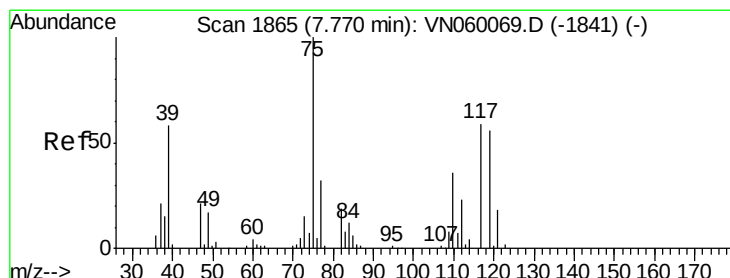
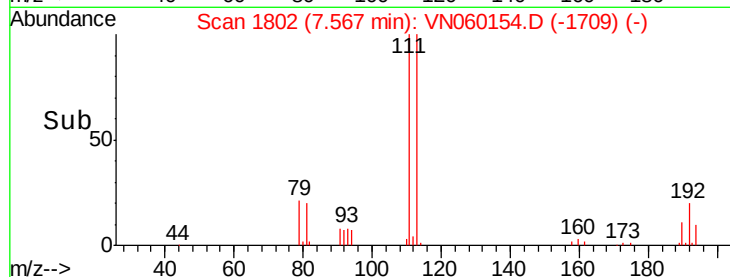
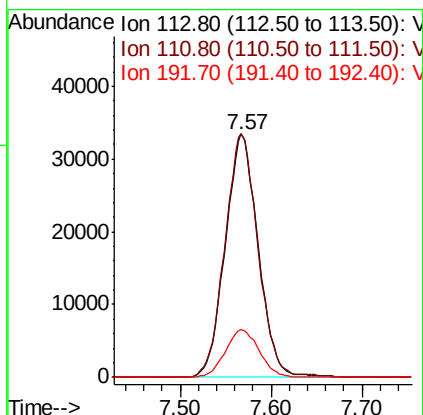
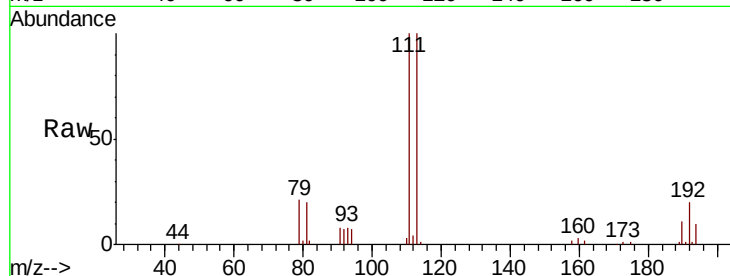




#35
 Dibromofluoromethane
 Concen: 50.072 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060154.D
 Acq: 19 Feb 2020 14:32

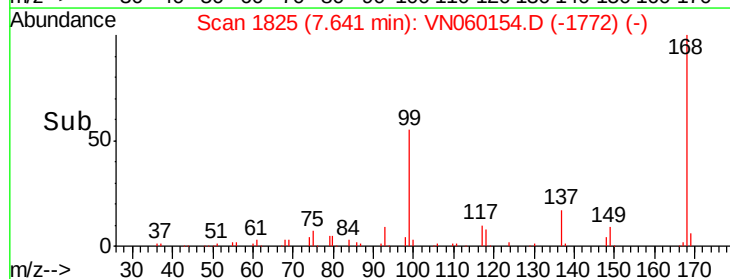
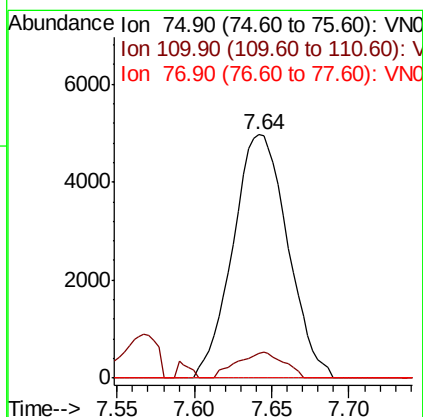
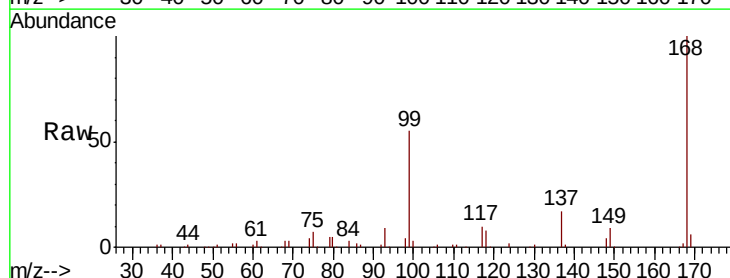
Instrument :
 MSVOA_N
 ClientSampleId :

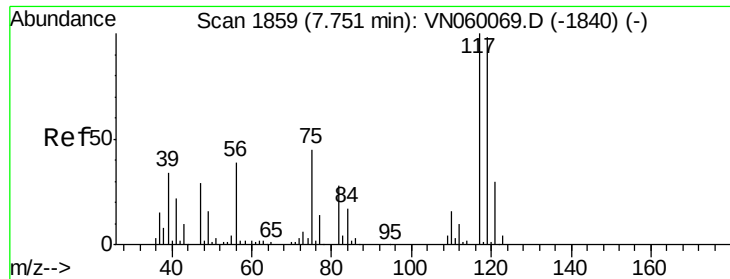
Tot Ion:113 Resp: 83833
 Ion Ratio Lower Upper
 113 100
 111 100.1 81.4 122.2
 192 20.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.846 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060154.D
 Acq: 19 Feb 2020 14:32

Tgt Ion: 75 Resp: 12225
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.1 54.3#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.075 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060154.D

Acq: 19 Feb 2020 14:32

Instrument :

MSVOA_N

ClientSampleId :

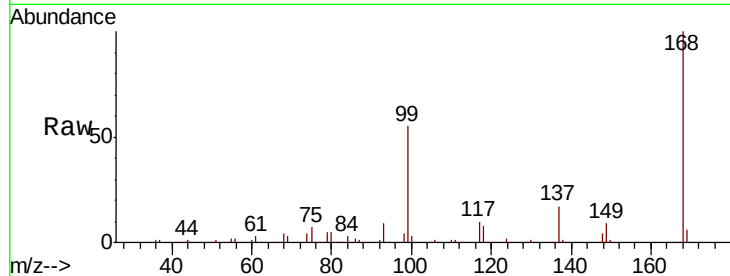
Tot Ion:117 Resp: 16645

Ion Ratio Lower Upper

117 100

119 4.2 78.2 117.4#

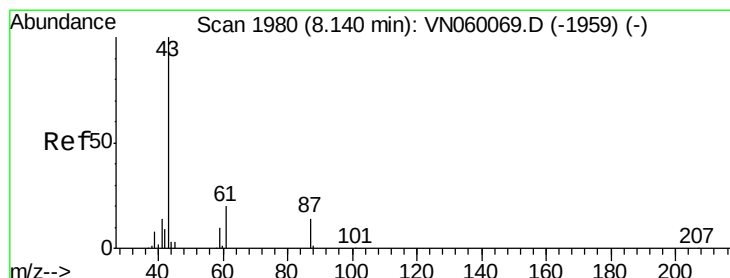
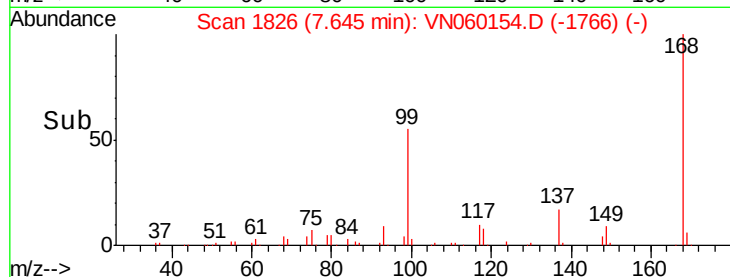
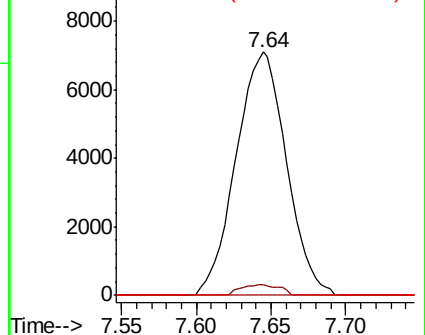
121 0.0 24.2 36.2#



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: 7.097 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060154.D

Acq: 19 Feb 2020 14:32

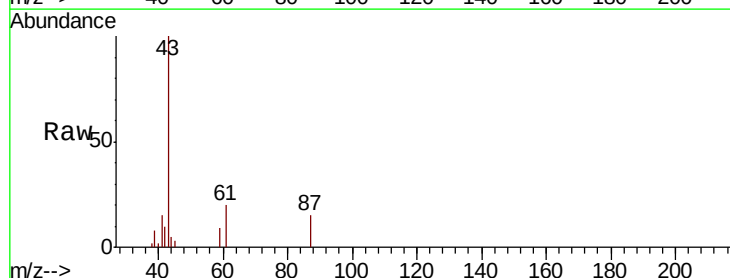
Tgt Ion: 43 Resp: 27662

Ion Ratio Lower Upper

43 100

61 19.8 21.8 32.6#

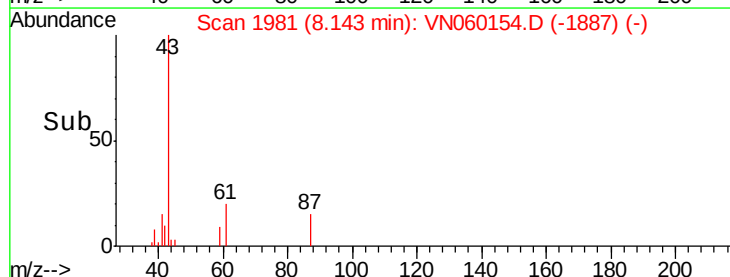
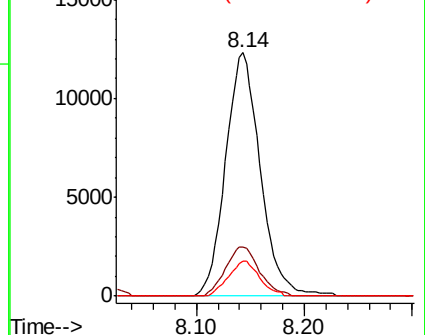
87 12.9 11.4 17.2

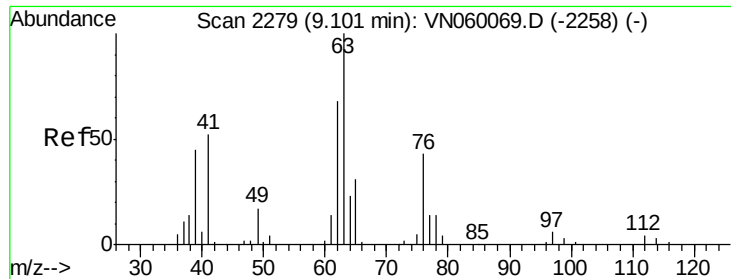


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

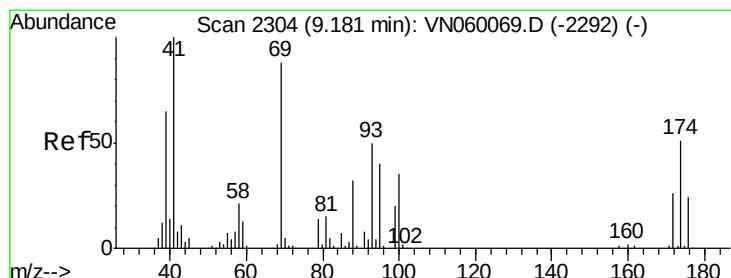
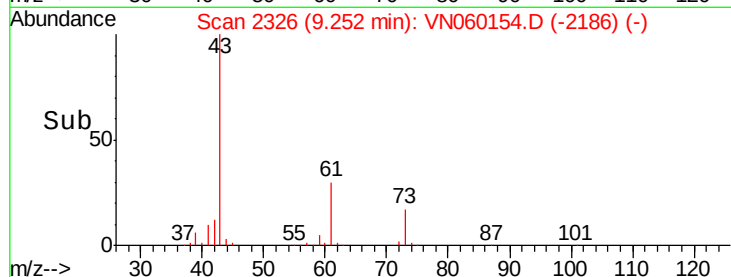
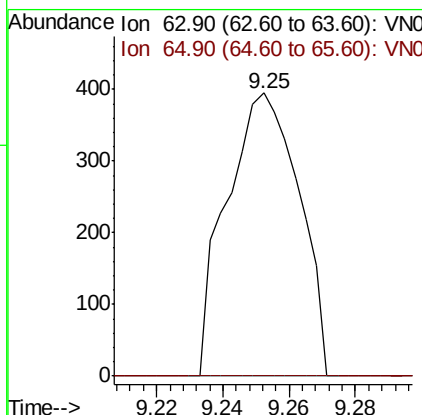
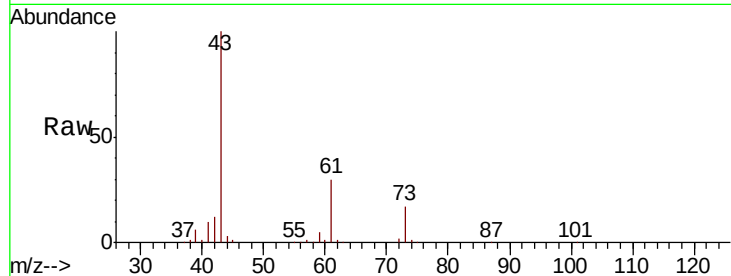




#45
 1,2-Dichloropropane
 Concen: 0.324 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN060154.D
 Acq: 19 Feb 2020 14:32

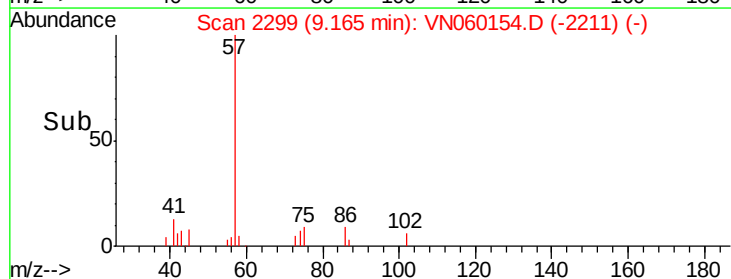
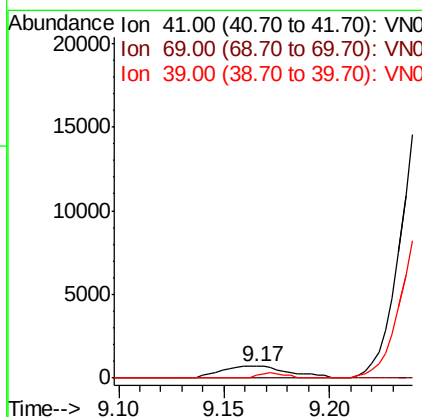
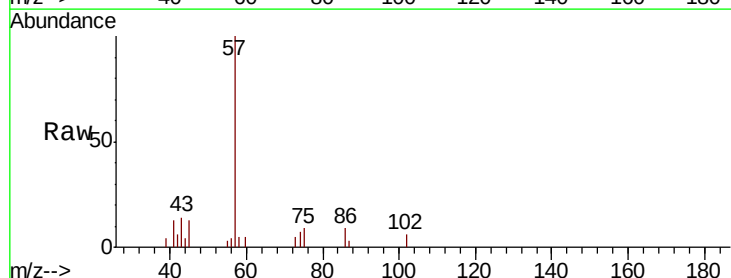
Instrument :
 MSVOA_N
 ClientSampleId :

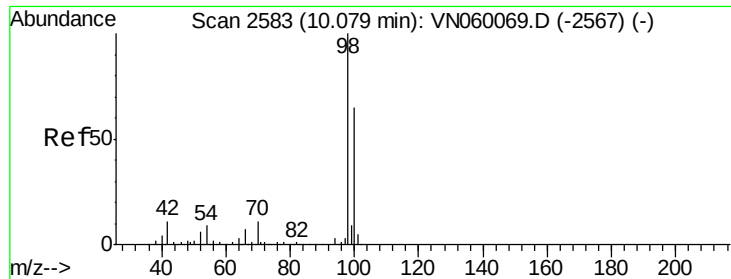
Tot Ion: 63 Resp: 600
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 0.915 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: VN060154.D
 Acq: 19 Feb 2020 14:32

Tgt Ion: 41 Resp: 1600
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.0 108.0#
 39 0.0 54.1 81.1#





#50

Toluene-d8

Concen: 50.245 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060154.D

Acq: 19 Feb 2020 14:32

Instrument :

MSVOA_N

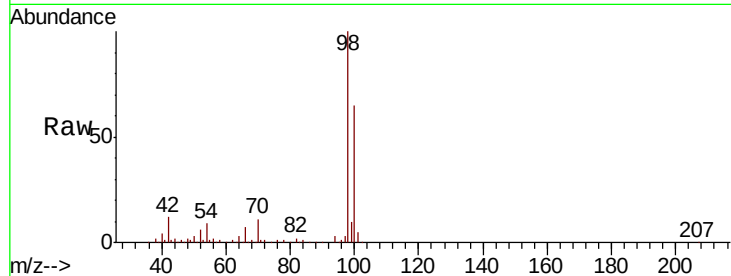
ClientSampled :

Tot Ion: 98 Resp: 331269

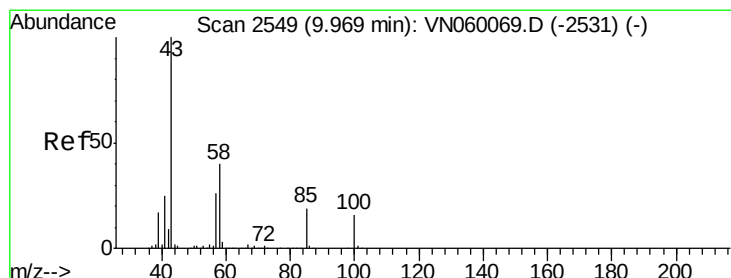
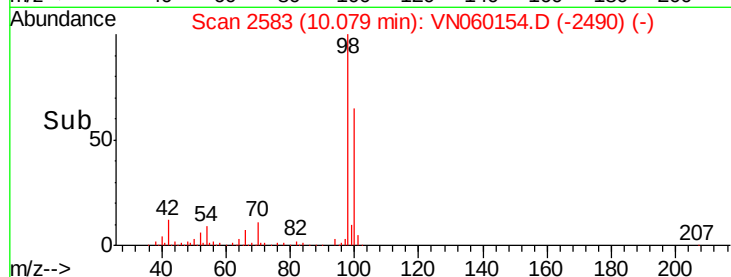
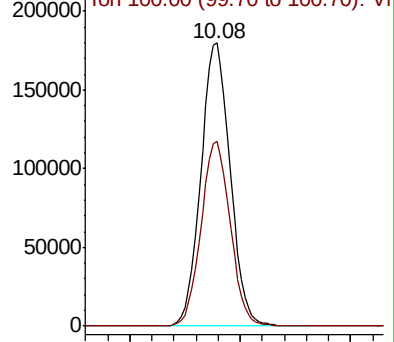
Ion Ratio Lower Upper

98 100

100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN060069.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.410 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060154.D

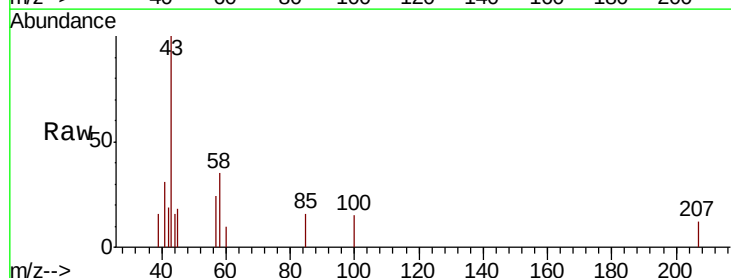
Acq: 19 Feb 2020 14:32

Tgt Ion: 43 Resp: 3180

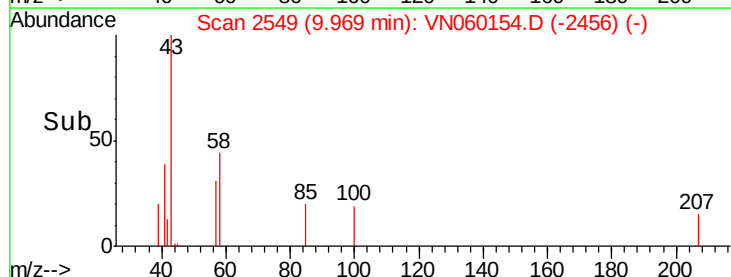
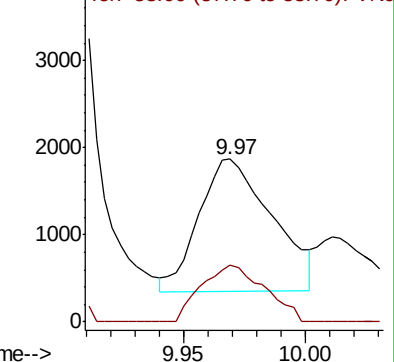
Ion Ratio Lower Upper

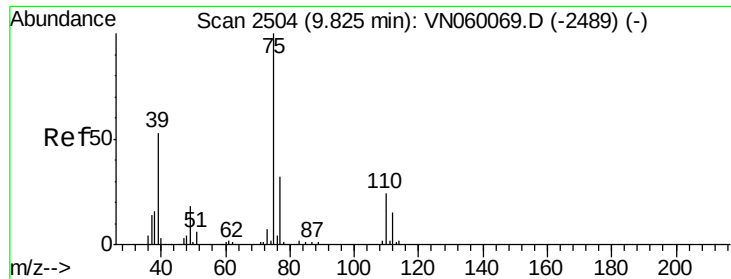
43 100

58 37.3 31.8 47.8



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



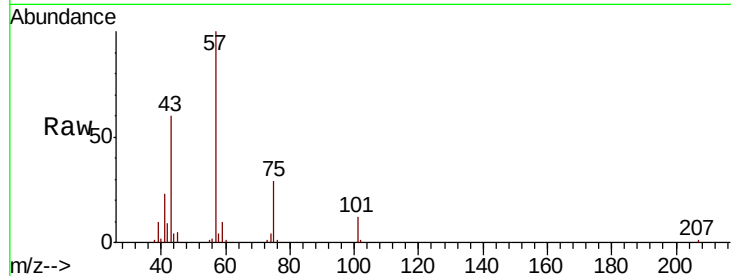


#54

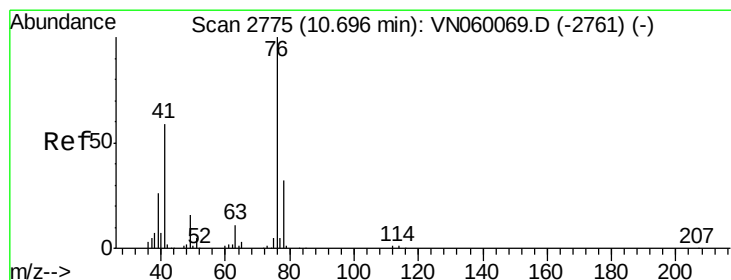
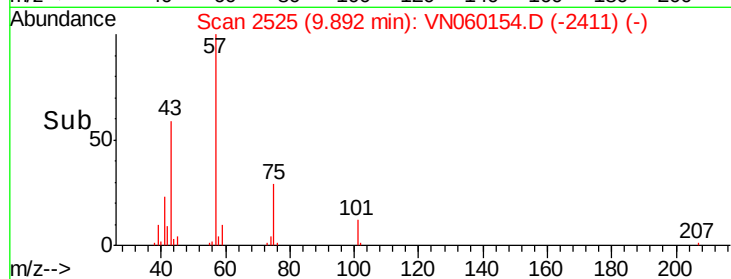
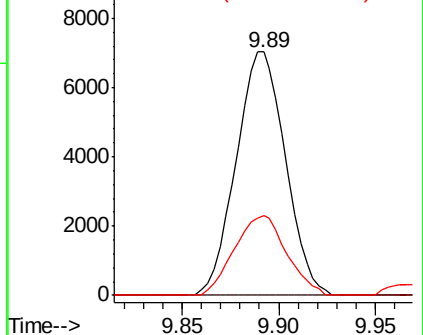
cis-1,3-Dichloropropene
 Concen: 3.931 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN060154.D
 Acq: 19 Feb 2020 14:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.6	38.4#
39	33.0	42.2	63.4#



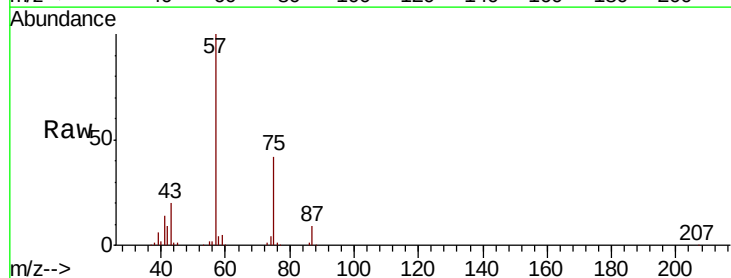
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



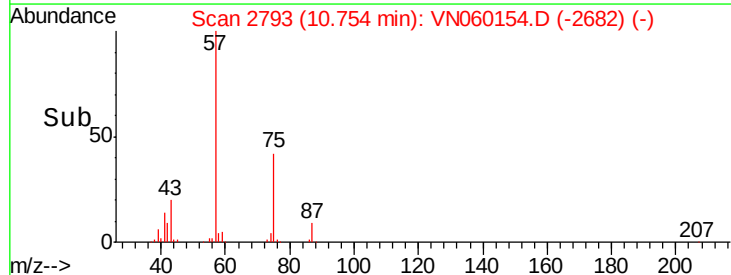
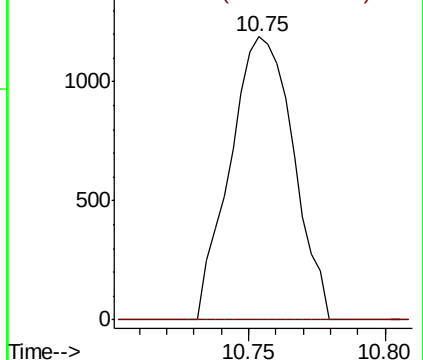
#57

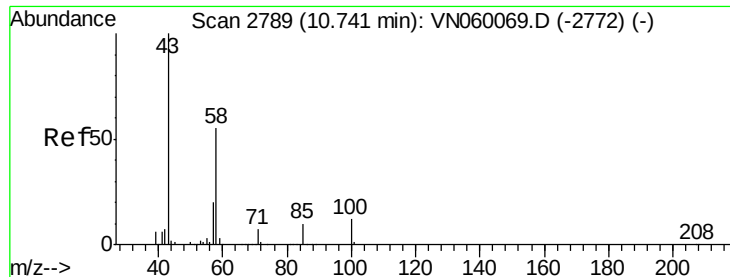
1,3-Dichloropropane
 Concen: 0.618 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060154.D
 Acq: 19 Feb 2020 14:32

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



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

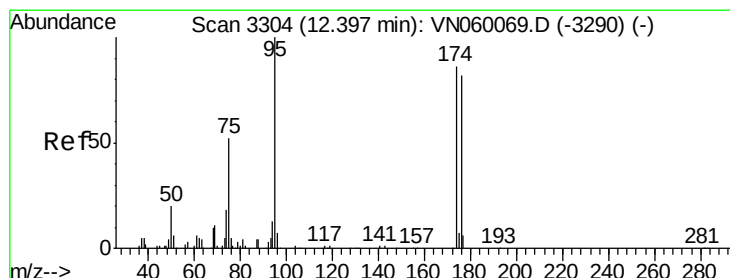
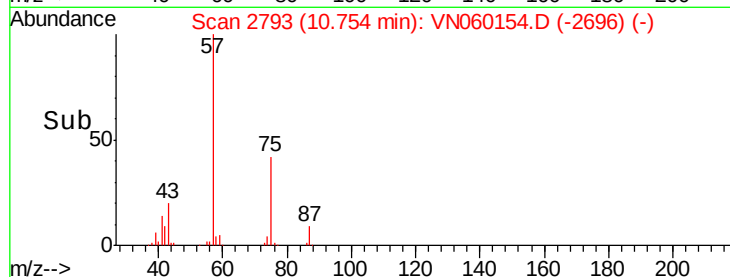
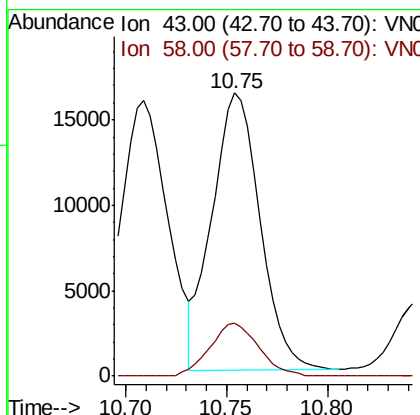
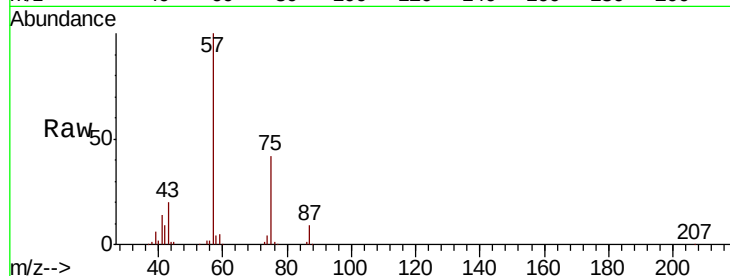




#59
2-Hexanone
Concen: 15.461 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060154.D
Acq: 19 Feb 2020 14:32

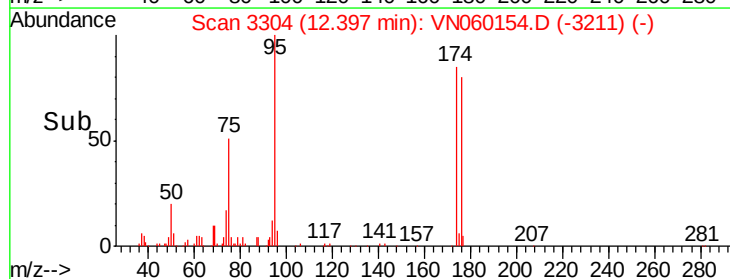
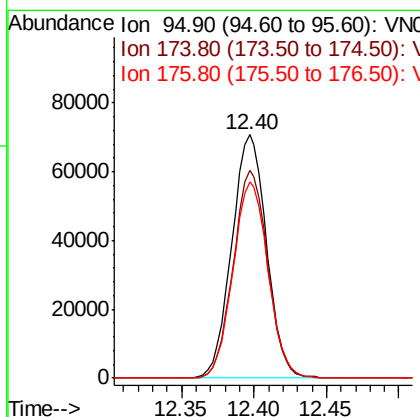
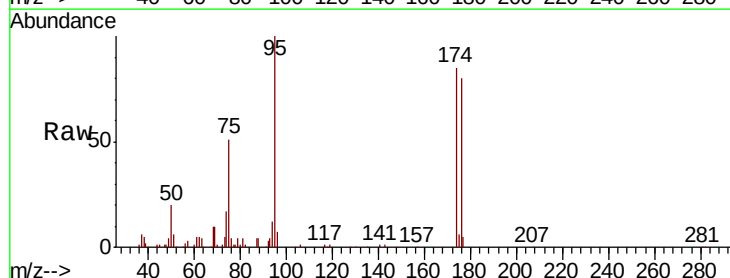
Instrument :
MSVOA_N
ClientSampled :

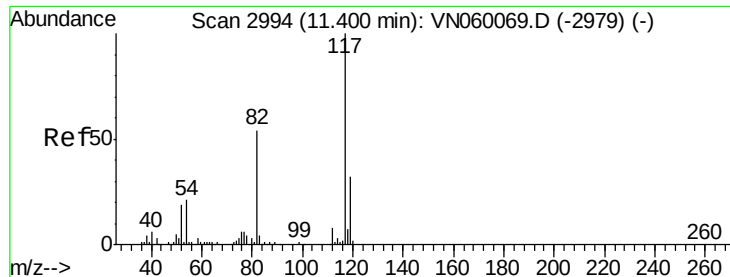
Tot Ion: 43 Resp: 26944
Ion Ratio Lower Upper
43 100
58 19.3 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 48.666 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060154.D
Acq: 19 Feb 2020 14:32

Tgt Ion: 95 Resp: 117901
Ion Ratio Lower Upper
95 100
174 84.3 0.0 169.8
176 81.3 0.0 164.8

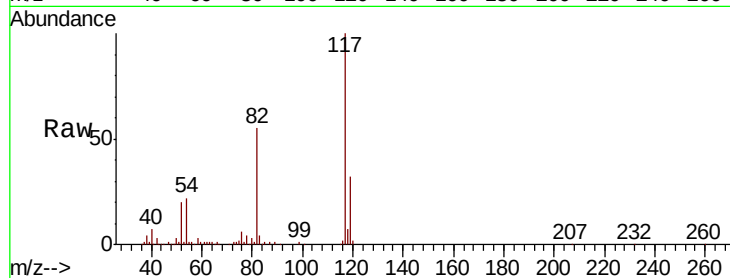




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060154.D
Acq: 19 Feb 2020 14:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.4	65.0
119	32.3	25.8	38.6

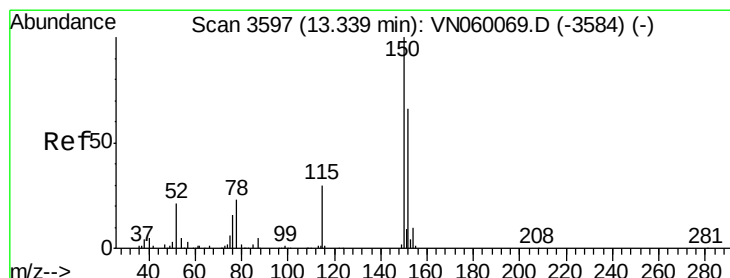
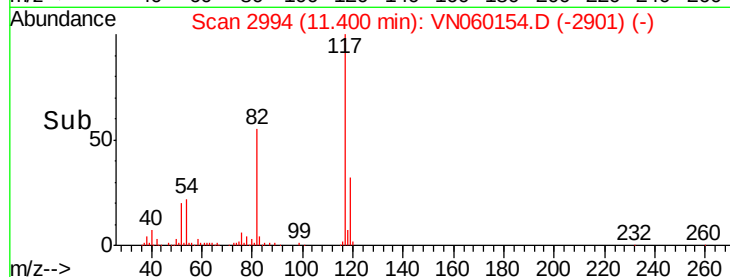
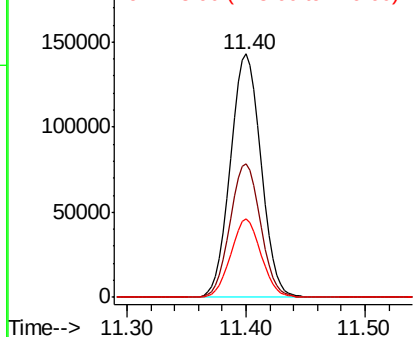


Abundance

Ion 116.90 (116.60 to 117.60): V

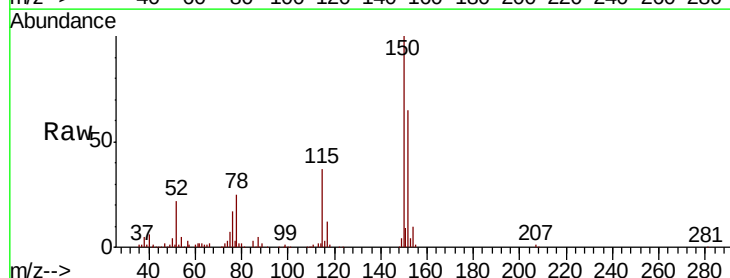
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060154.D
Acq: 19 Feb 2020 14:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.9	86.8
150	157.1	0.0	342.4

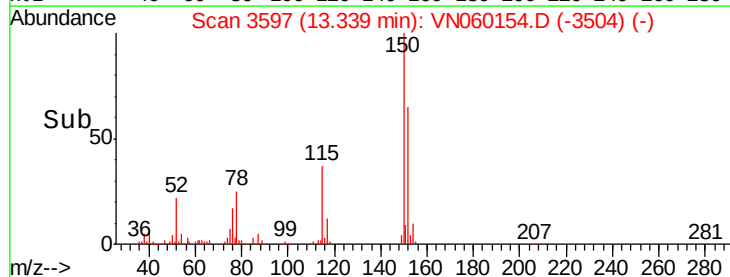
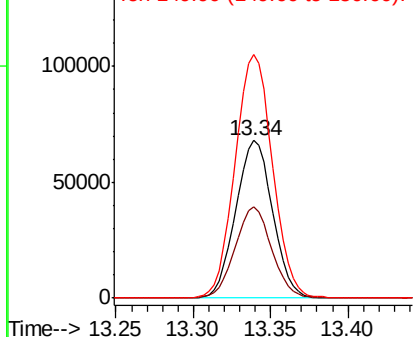


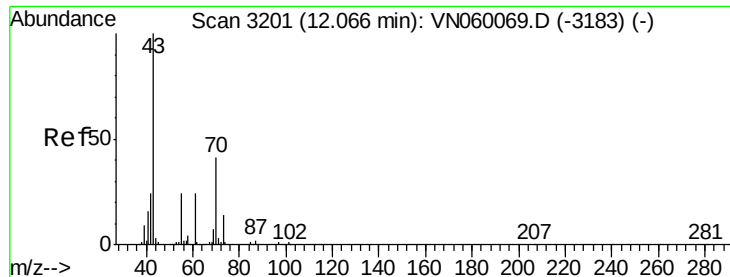
Abundance

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: 0.383 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN060154.D

Acq: 19 Feb 2020 14:32

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1164

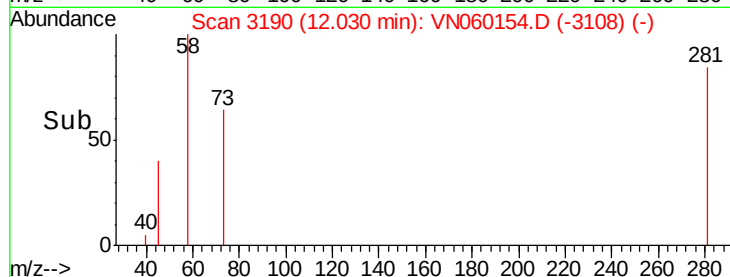
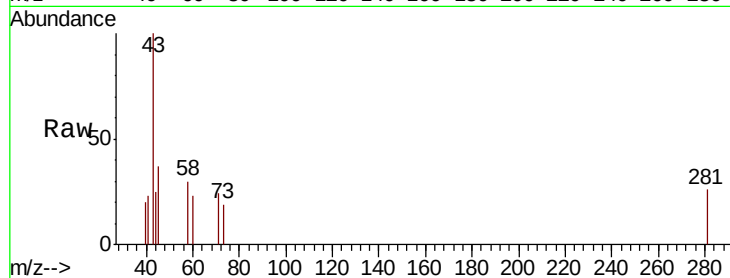
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 18.8 28.2#

61 0.0 19.2 28.8#

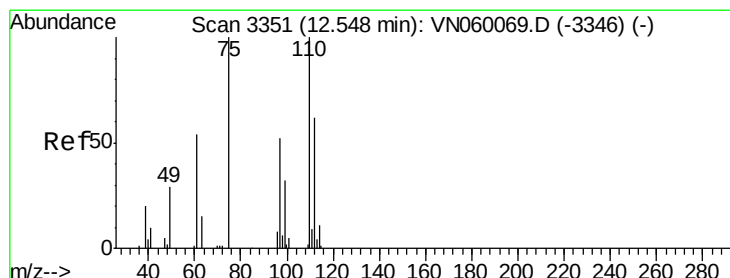
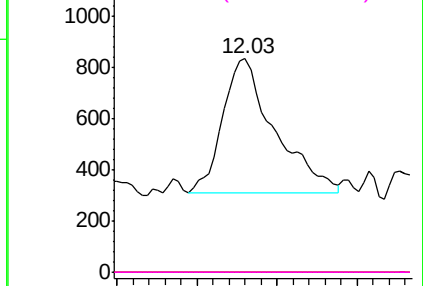


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 27.833 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060154.D

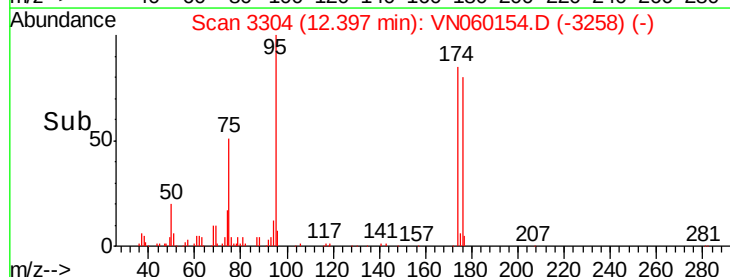
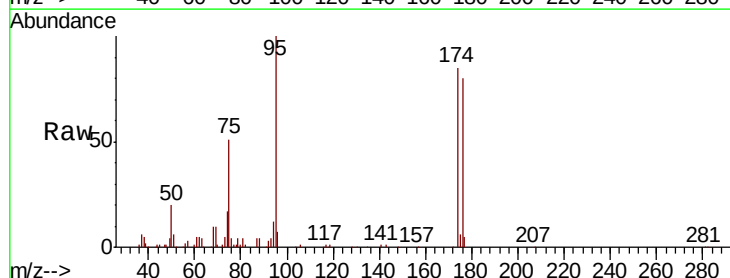
Acq: 19 Feb 2020 14:32

Tgt Ion: 75 Resp: 60138

Ion Ratio Lower Upper

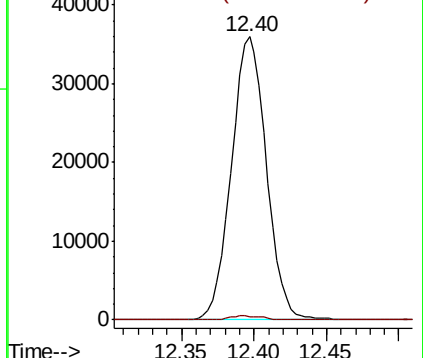
75 100

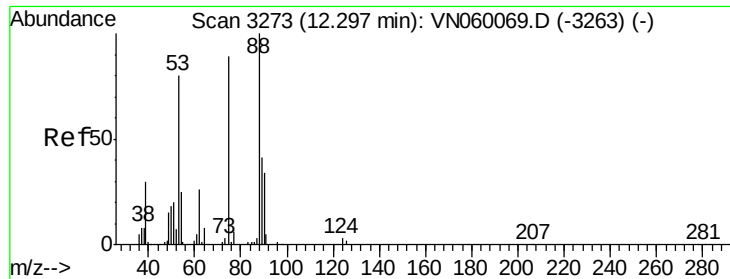
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

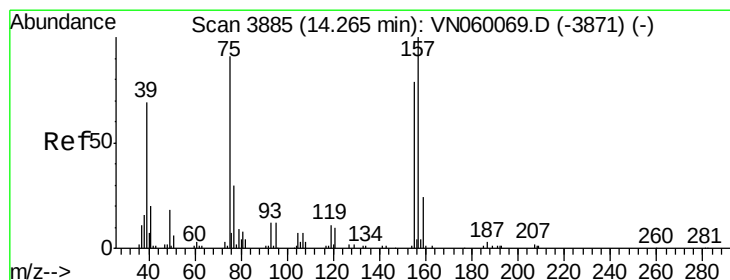
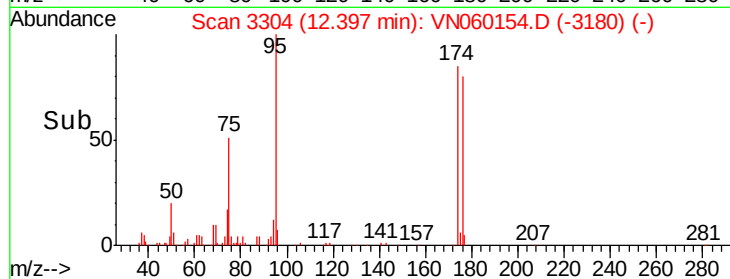
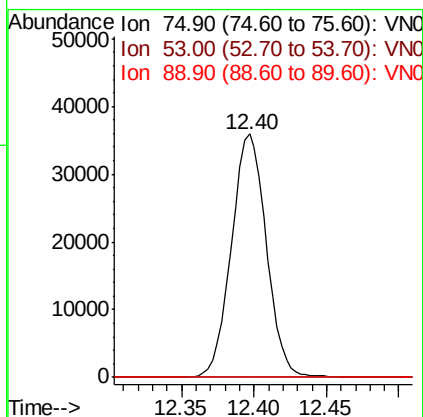
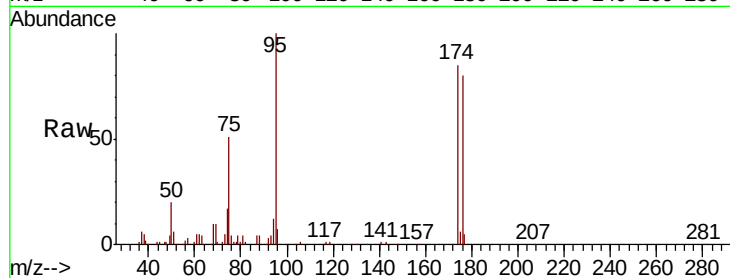




#81
trans-1,4-Dichloro-2-butene
Concen: 68.149 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060154.D
Acq: 19 Feb 2020 14:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 60138
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: VN060154.D
Acq: 19 Feb 2020 14:32

Tgt Ion: 75 Resp: 67
Ion Ratio Lower Upper
75 100
155 0.0 43.0 129.0#
157 0.0 54.9 164.5#

