

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060155.D
 Acq On : 19 Feb 2020 14:55
 Operator : JC/MD
 Sample : L1573-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 20 01:17:58 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	171335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	270936	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	255005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	113849	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	101274	48.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.16%	
35) Dibromofluoromethane	7.57	113	82577	49.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.16%	
50) Toluene-d8	10.08	98	329718	50.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.40	95	116087	48.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.34%	

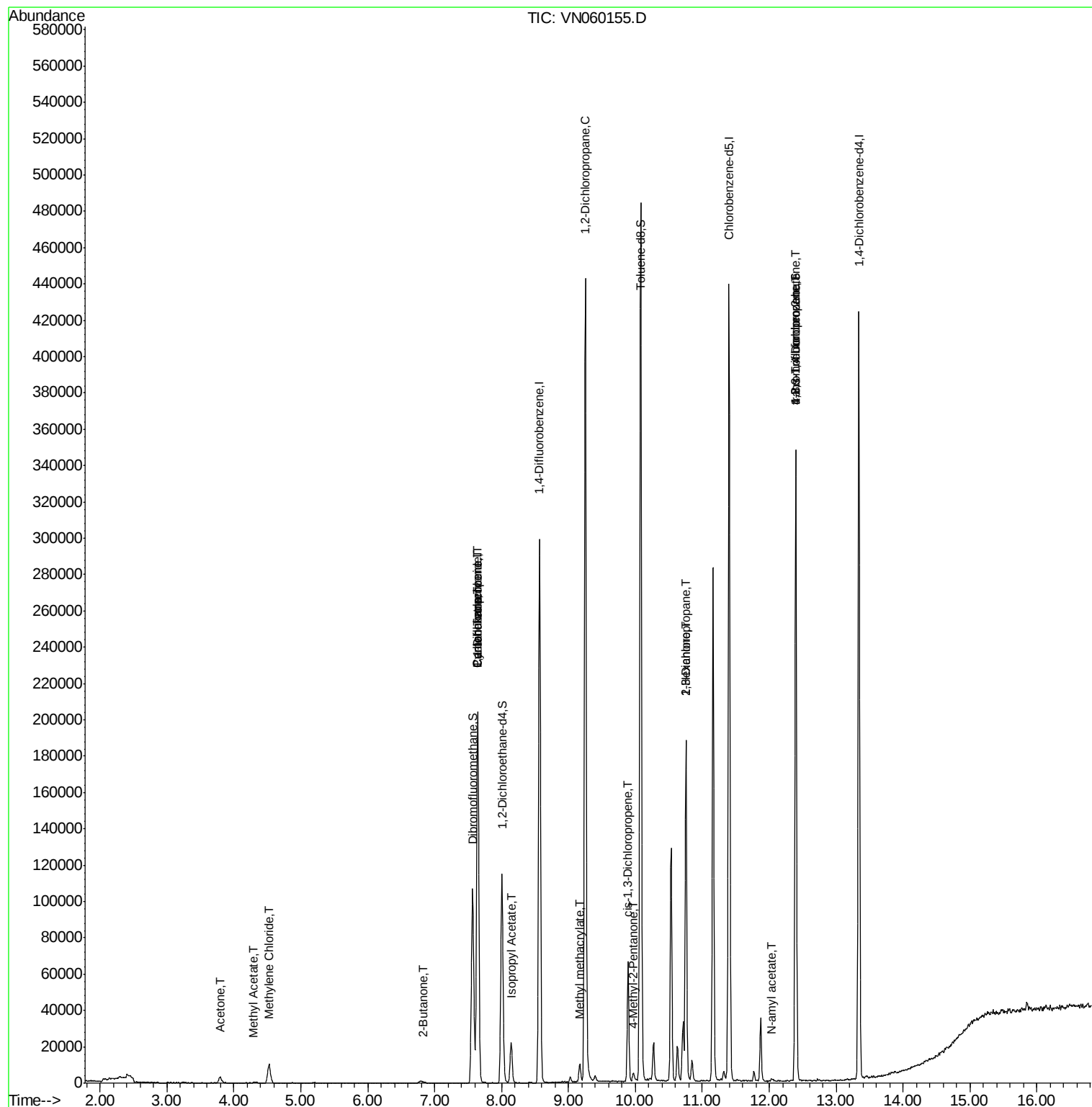
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	6176	6.791	ug/l	98
18) Methyl Acetate	4.29	43	430	0.252	ug/l #	50
20) Methylene Chloride	4.53	84	8319	4.585	ug/l	97
25) 2-Butanone	6.82	43	799	0.699	ug/l #	46
31) Cyclohexane	7.64	56	3643	1.235	ug/l #	34
36) 1,1-Dichloropropene	7.64	75	12409	4.945	ug/l #	47
38) Carbon Tetrachloride	7.64	117	15898	5.833	ug/l #	15
43) Isopropyl Acetate	8.14	43	26543	6.846	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	507	0.275	ug/l #	43
48) Methyl methacrylate	9.16	41	1585	0.911	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	2789	1.243	ug/l	99
54) cis-1,3-Dichloropropene	9.89	75	12089	3.841	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	1848	0.601	ug/l #	43
59) 2-Hexanone	10.75	43	27637	15.943	ug/l #	50
74) N-amyl acetate	12.03	43	1359	0.443	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	60360	27.711	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	60360	67.851	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30	Below Cal	#	1

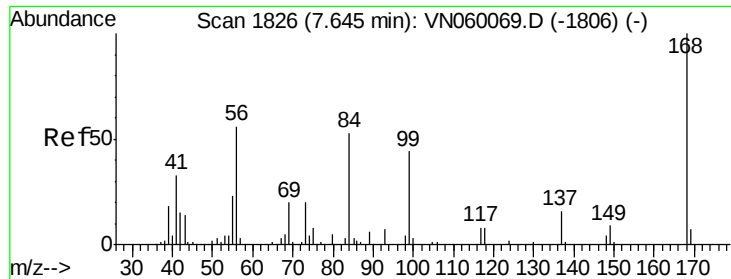
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060155.D

Acq: 19 Feb 2020 14:55

Instrument :

MSVOA_N

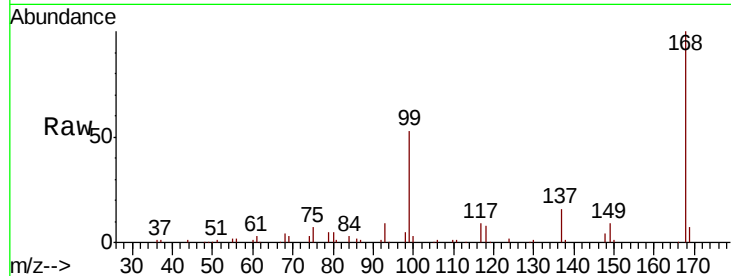
ClientSampled :

Tot Ion:168 Resp: 171335

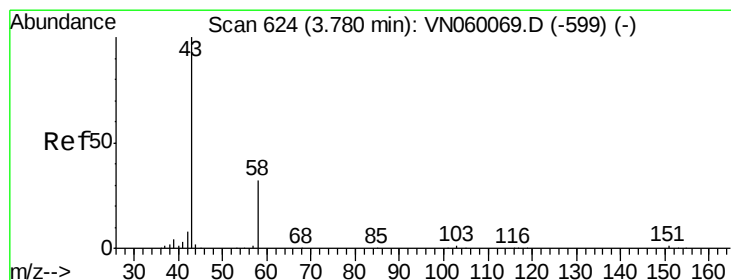
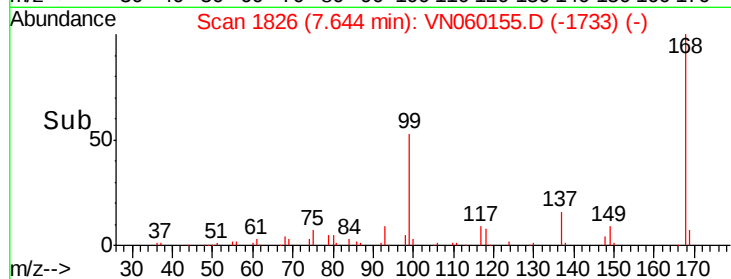
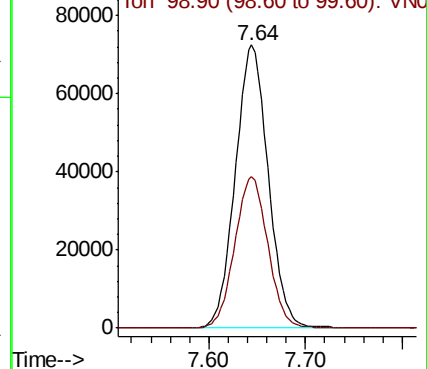
Ion Ratio Lower Upper

168 100

99 53.3 42.7 64.1



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



#16

Acetone

Concen: 6.791 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN060155.D

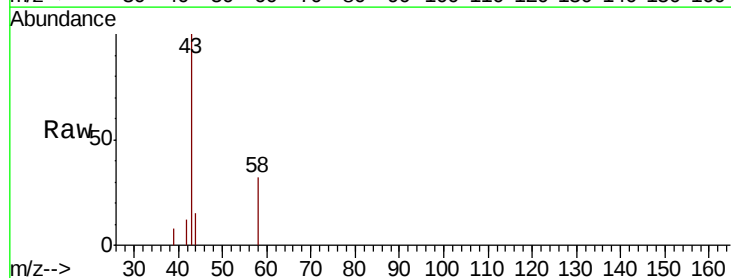
Acq: 19 Feb 2020 14:55

Tgt Ion: 43 Resp: 6176

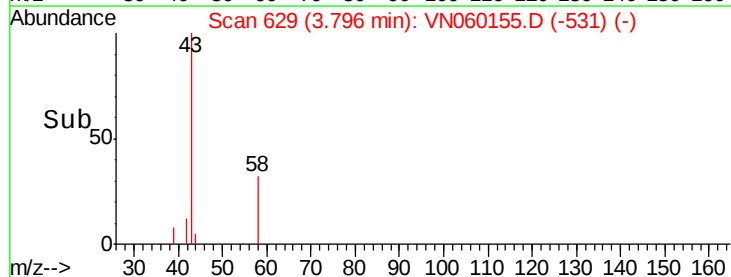
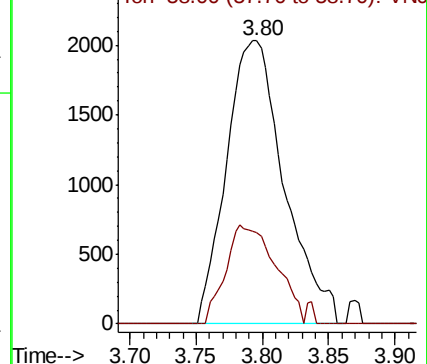
Ion Ratio Lower Upper

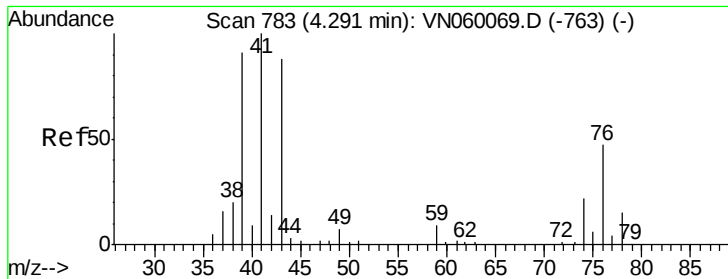
43 100

58 32.4 25.2 37.8



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

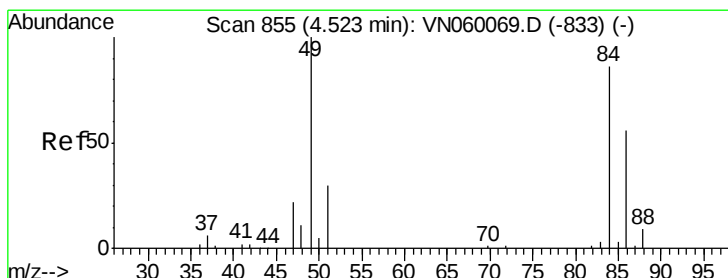
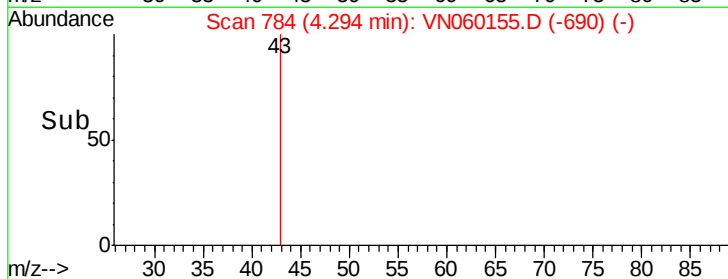
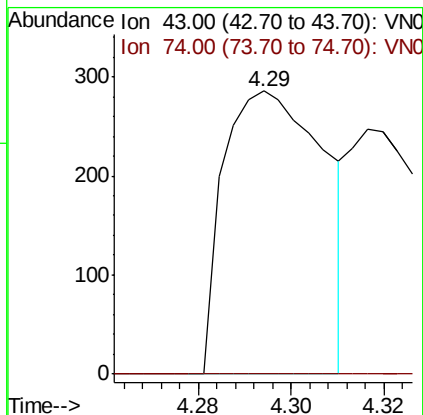
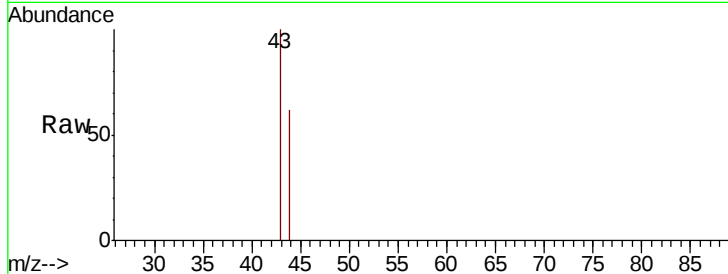




#18
Methyl Acetate
Concen: 0.252 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060155.D
Acq: 19 Feb 2020 14:55

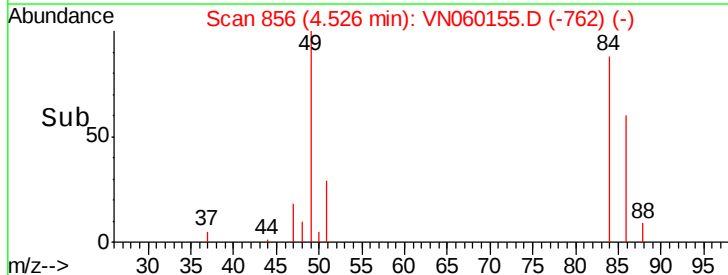
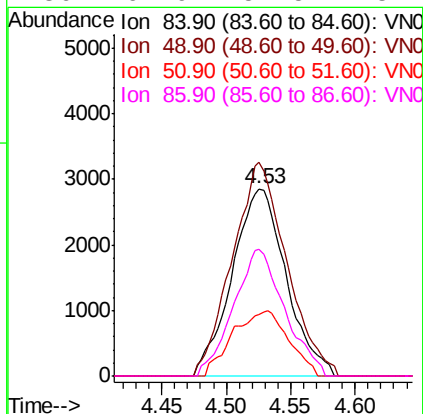
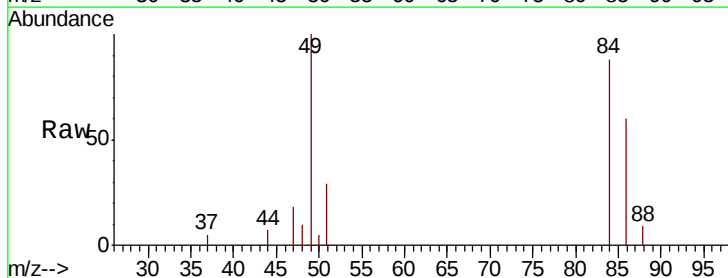
Instrument :
MSVOA_N
ClientSampleId :

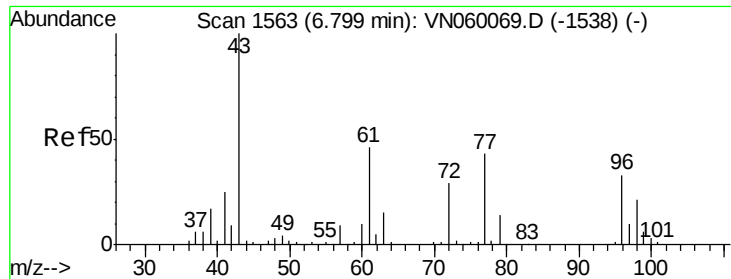
Tot Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 4.585 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060155.D
Acq: 19 Feb 2020 14:55

Tgt Ion: 84 Resp: 8319
Ion Ratio Lower Upper
84 100
49 114.0 93.4 140.0
51 33.0 28.4 42.6
86 67.9 52.5 78.7

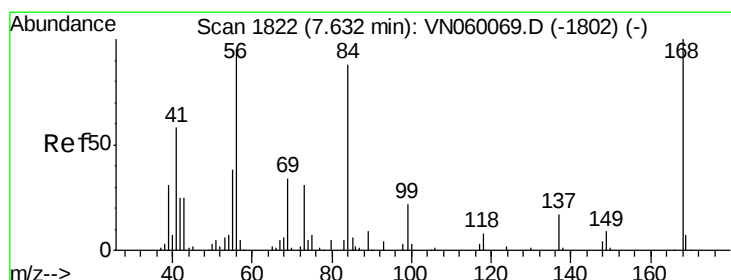
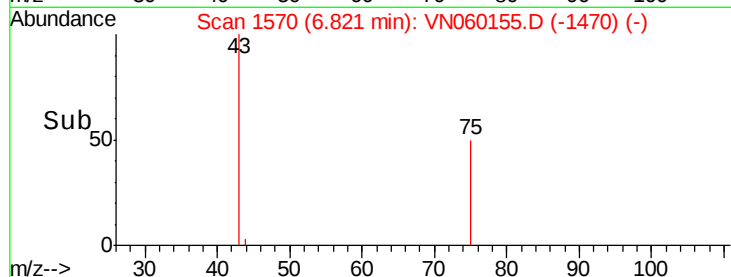
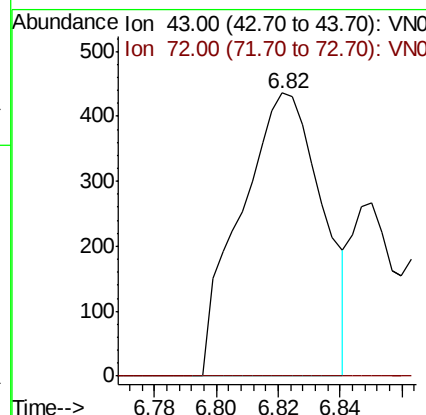
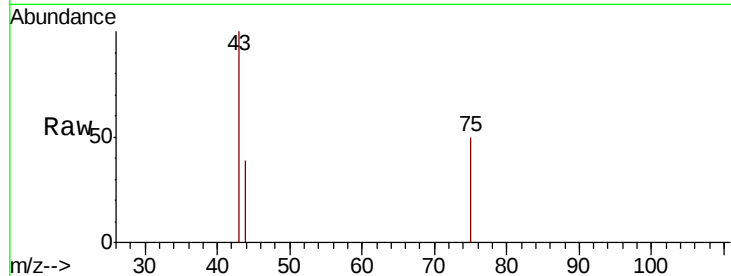




#25
2-Butanone
Concen: 0.699 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VN060155.D
Acq: 19 Feb 2020 14:55

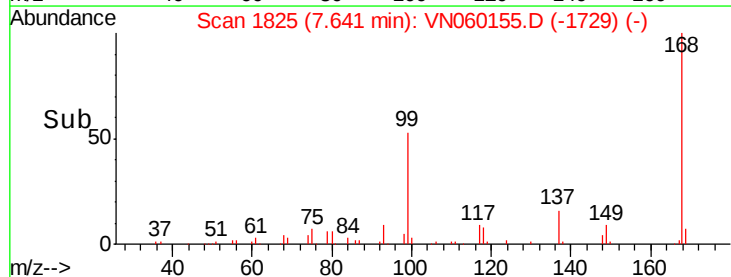
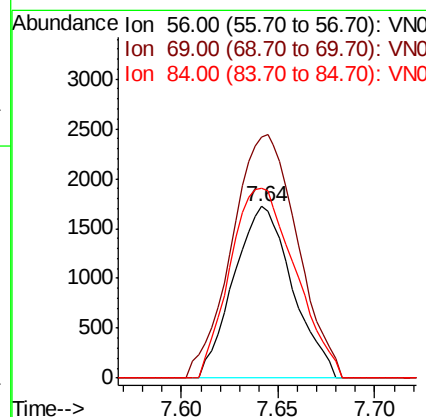
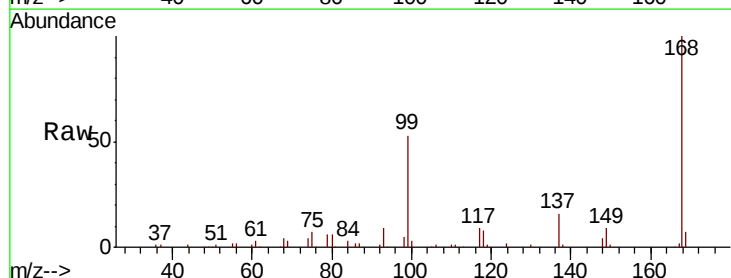
Instrument :
MSVOA_N
ClientSampled :

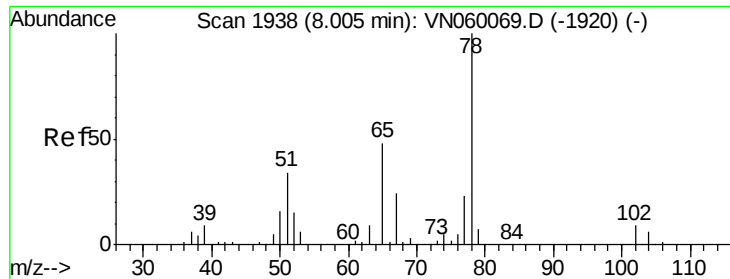
Tot Ion: 43 Resp: 799
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#



#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060155.D
Acq: 19 Feb 2020 14:55

Tgt Ion: 56 Resp: 3643
Ion Ratio Lower Upper
56 100
69 140.7 28.3 42.5#
84 110.8 72.6 108.8#

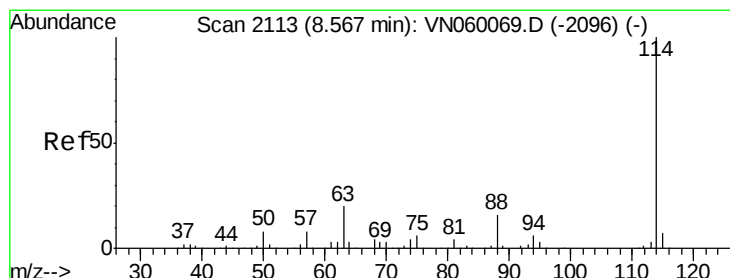
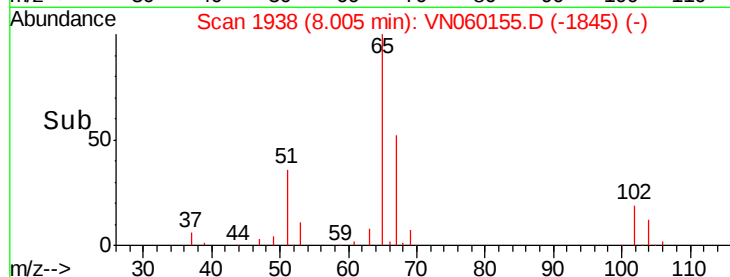
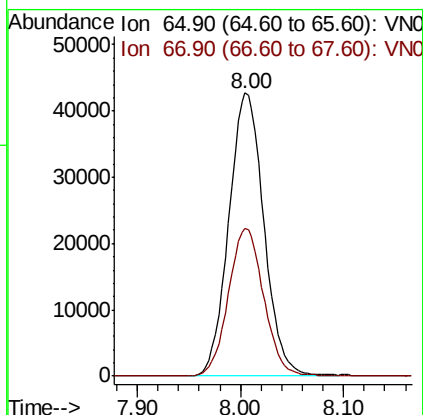
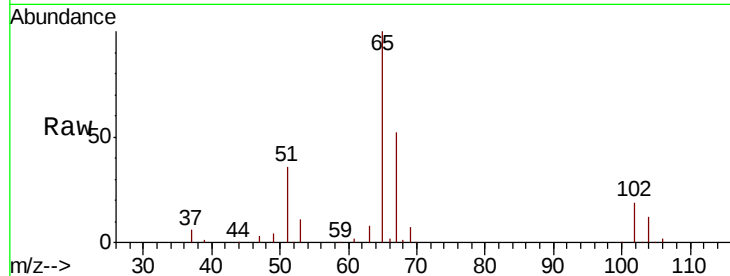




#33
 1,2-Dichloroethane-d4
 Concen: 48.576 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060155.D
 Acq: 19 Feb 2020 14:55

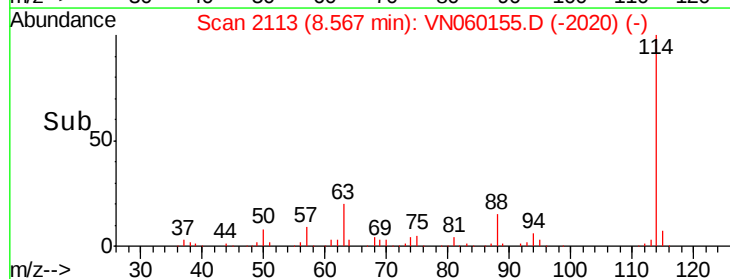
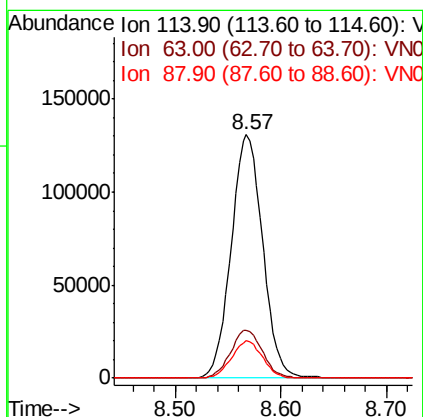
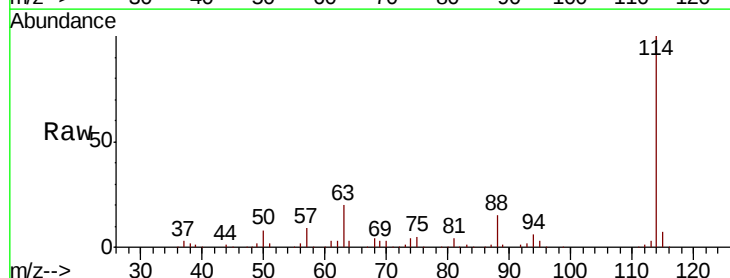
Instrument :
 MSVOA_N
 ClientSampleId :

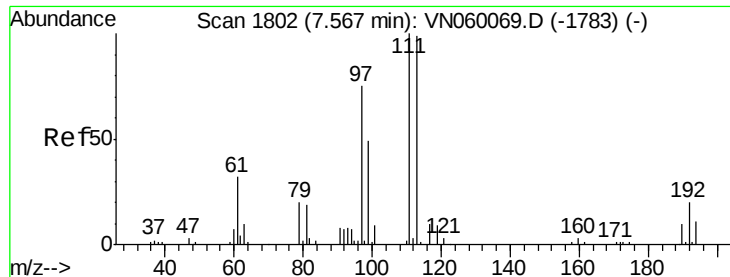
Tot Ion: 65 Resp: 101274
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060155.D
 Acq: 19 Feb 2020 14:55

Tgt Ion: 114 Resp: 270936
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.2 0.0 31.6

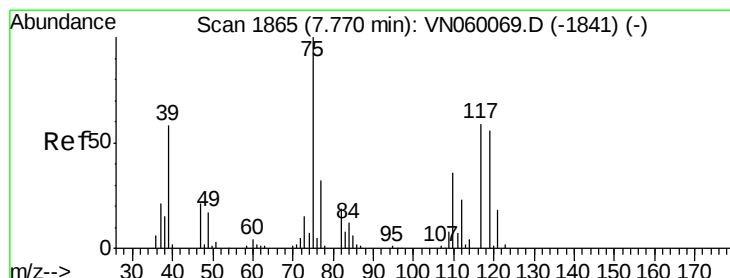
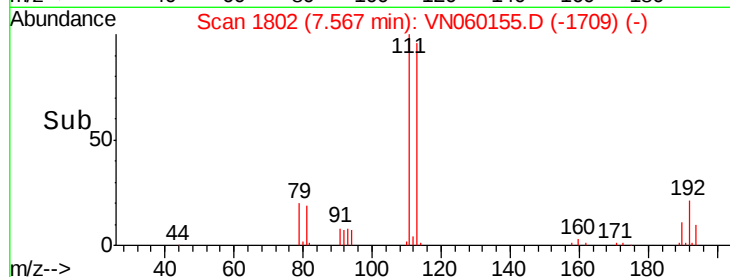
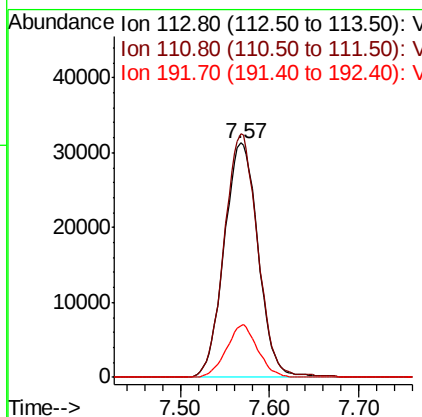
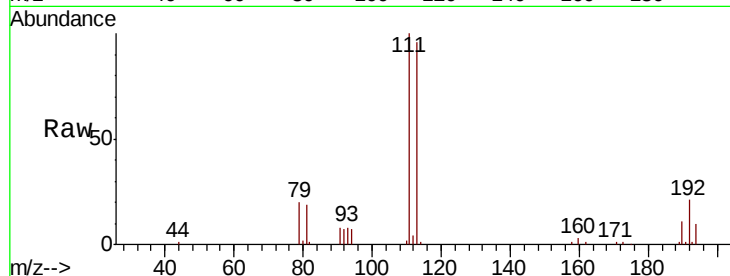




#35
 Dibromofluoromethane
 Concen: 49.583 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060155.D
 Acq: 19 Feb 2020 14:55

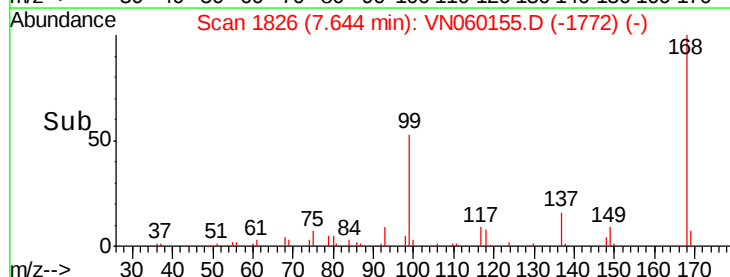
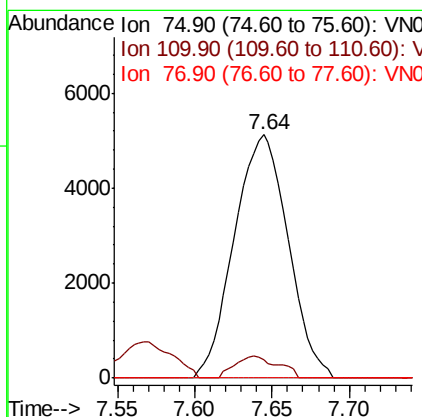
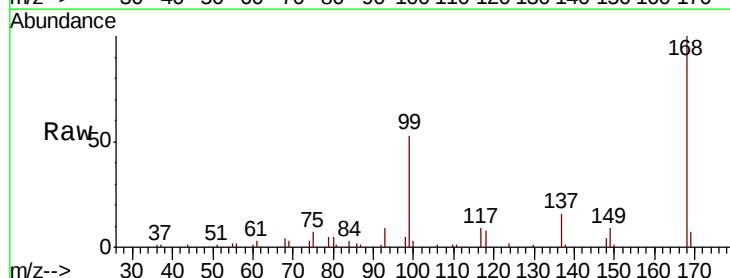
Instrument :
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 ClientSampleId :

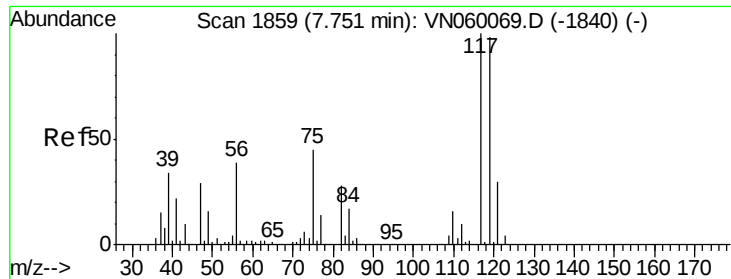
Tot Ion:113 Resp: 82577
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.4 122.2
 192 20.6 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.945 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060155.D
 Acq: 19 Feb 2020 14:55

Tgt Ion: 75 Resp: 12409
 Ion Ratio Lower Upper
 75 100
 110 7.3 18.1 54.3#
 77 0.0 25.1 37.7#

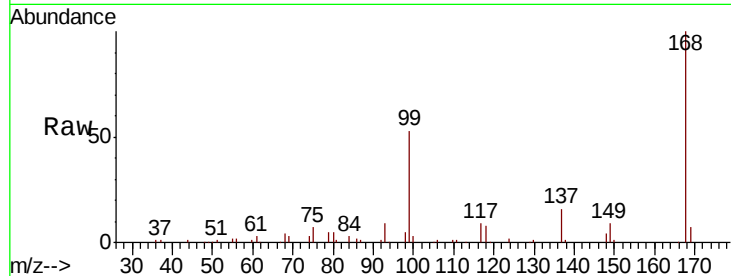




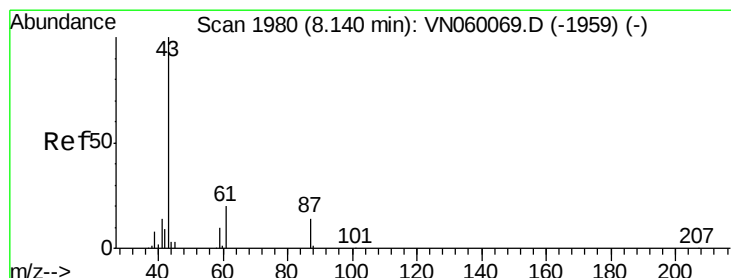
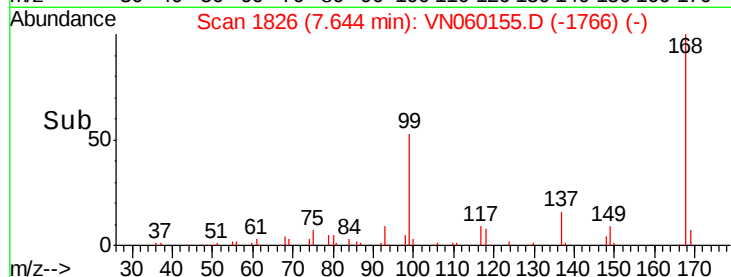
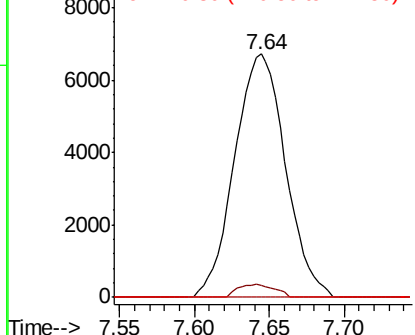
#38
Carbon Tetrachloride
Concen: 5.833 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060155.D
Acq: 19 Feb 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 15898
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.4#
121 0.0 24.2 36.2#

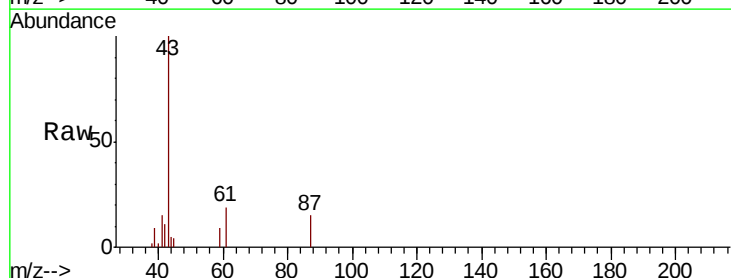


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

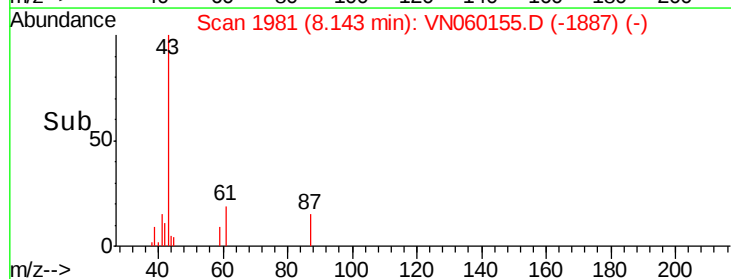
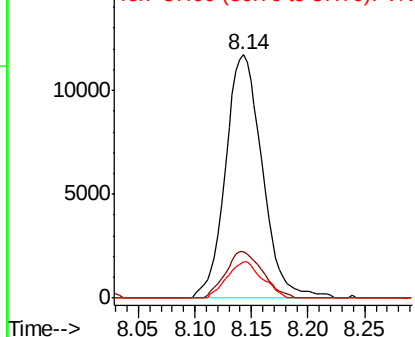


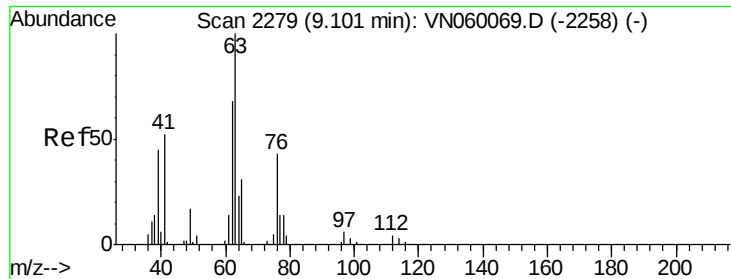
#43
Isopropyl Acetate
Concen: 6.846 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN060155.D
Acq: 19 Feb 2020 14:55

Tgt Ion: 43 Resp: 26543
Ion Ratio Lower Upper
43 100
61 19.3 21.8 32.6#
87 14.3 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

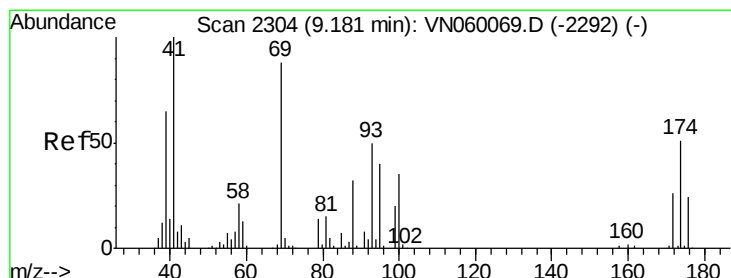
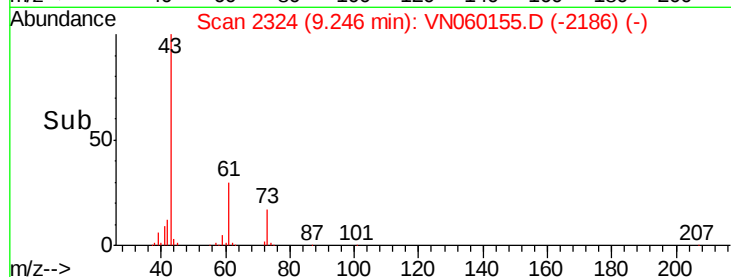
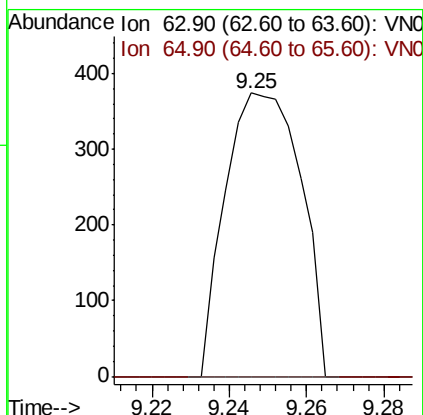
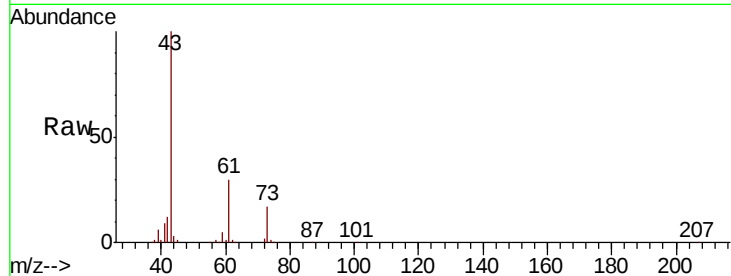




#45
 1,2-Dichloropropane
 Concen: 0.275 ug/l
 RT: 9.25 min Scan# 2324
 Delta R.T. 0.14 min
 Lab File: VN060155.D
 Acq: 19 Feb 2020 14:55

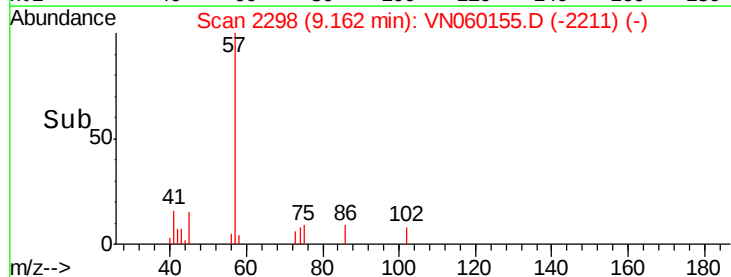
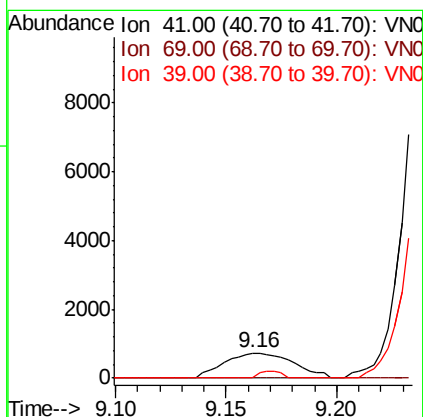
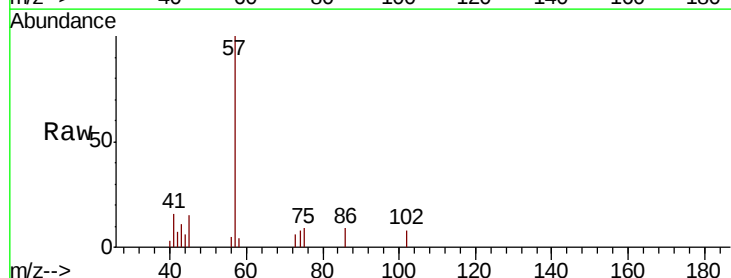
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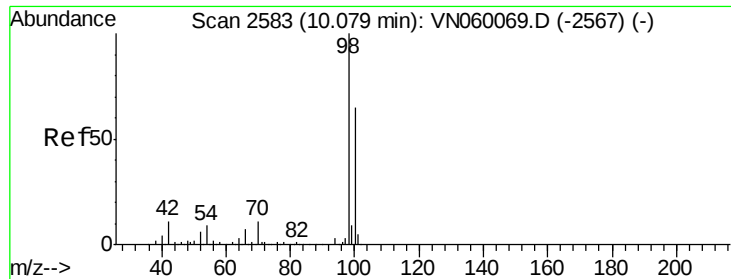
Tot Ion: 63 Resp: 507
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 0.911 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060155.D
 Acq: 19 Feb 2020 14:55

Tgt Ion: 41 Resp: 1585
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.0 108.0#
 39 0.0 54.1 81.1#

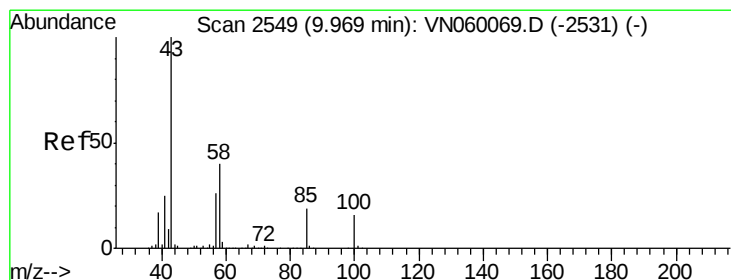
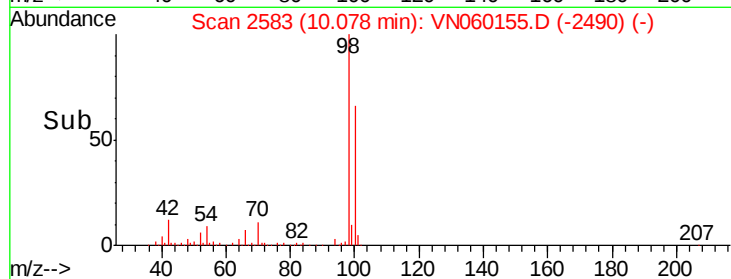
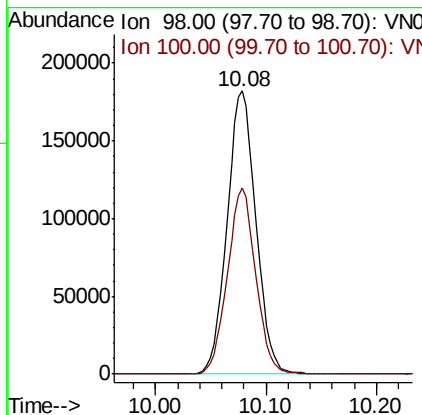
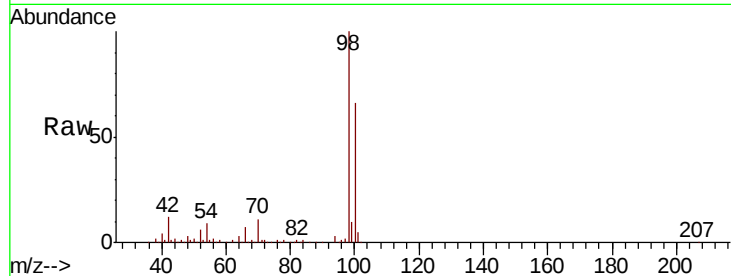




#50
Toluene-d8
Concen: 50.274 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060155.D
Acq: 19 Feb 2020 14:55

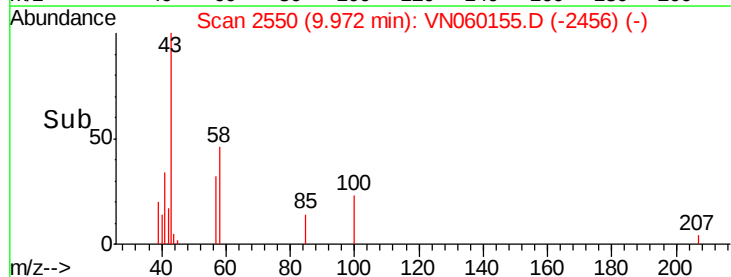
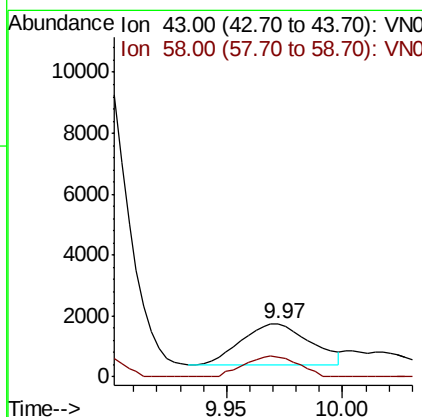
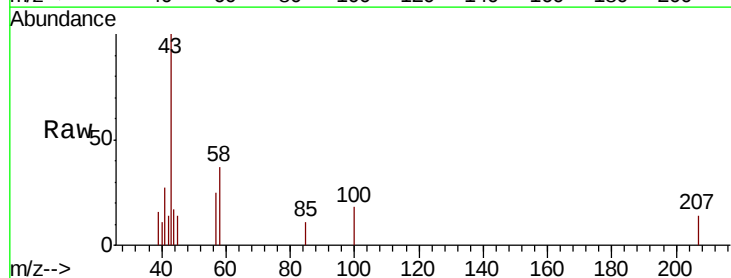
Instrument :
MSVOA_N
ClientSampled :

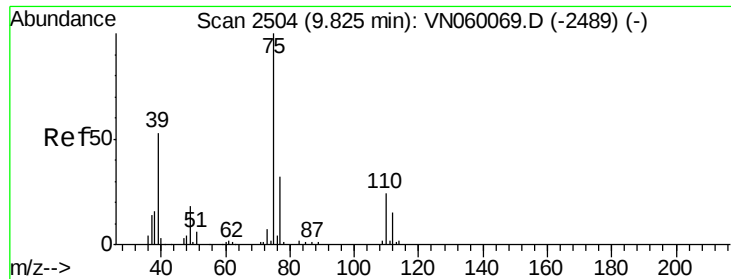
Tot Ion: 98 Resp: 329718
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.243 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN060155.D
Acq: 19 Feb 2020 14:55

Tgt Ion: 43 Resp: 2789
Ion Ratio Lower Upper
43 100
58 39.4 31.8 47.8

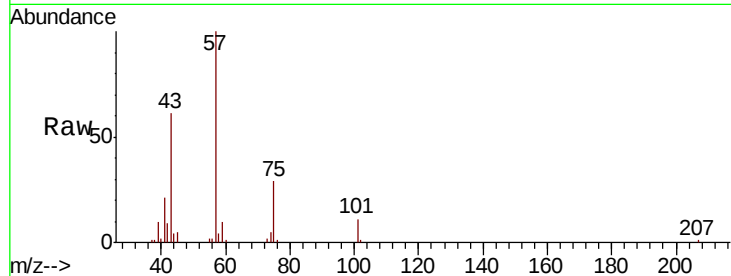




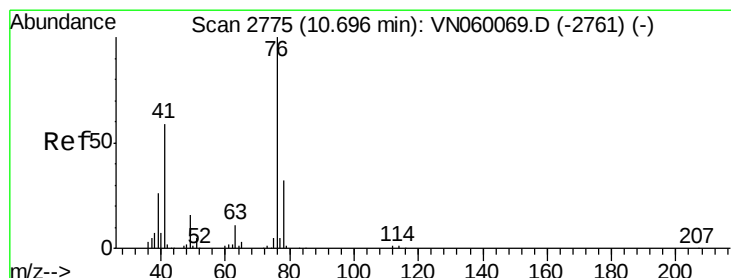
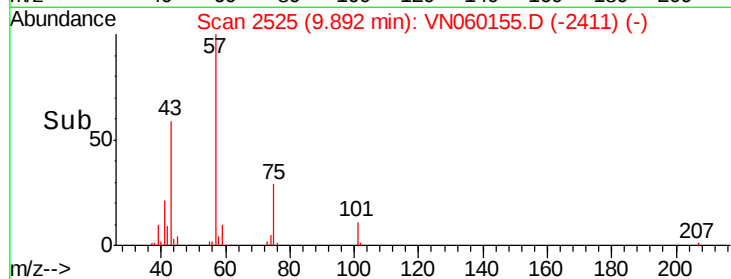
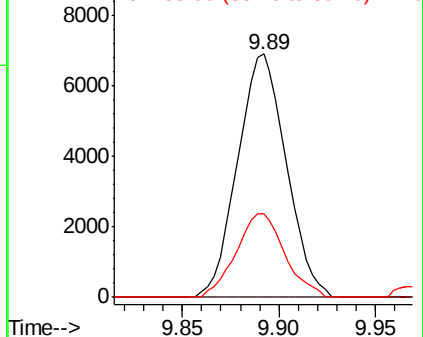
#54
 cis-1,3-Dichloropropene
 Concen: 3.841 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN060155.D
 Acq: 19 Feb 2020 14:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.6	38.4#
39	34.5	42.2	63.4#

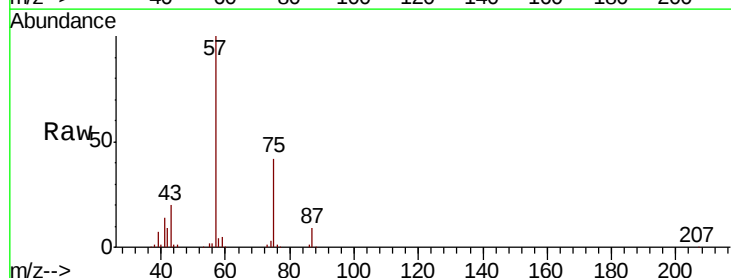


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0

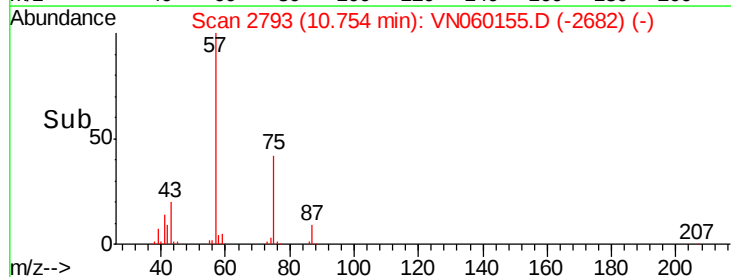
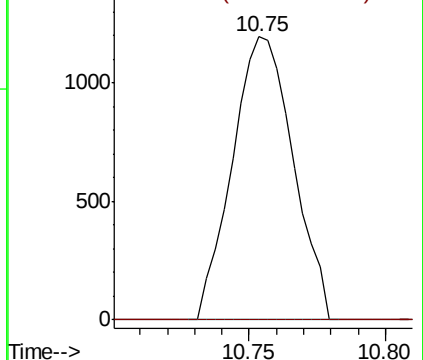


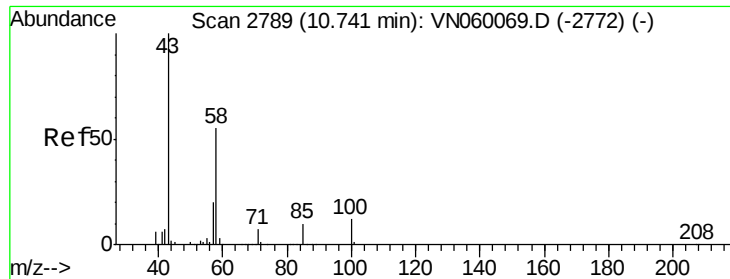
#57
 1,3-Dichloropropane
 Concen: 0.601 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060155.D
 Acq: 19 Feb 2020 14:55

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

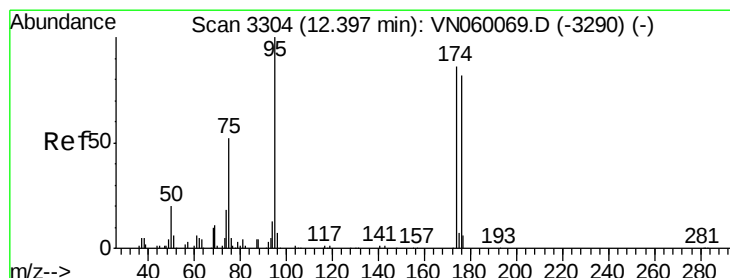
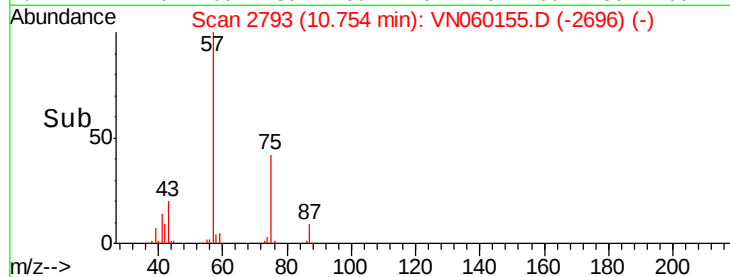
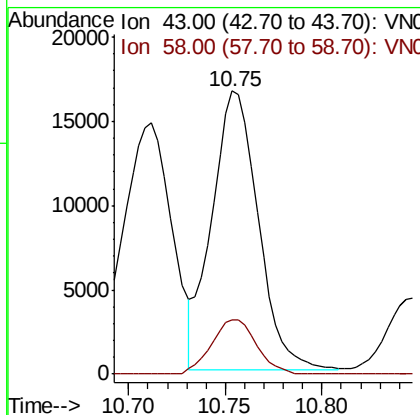
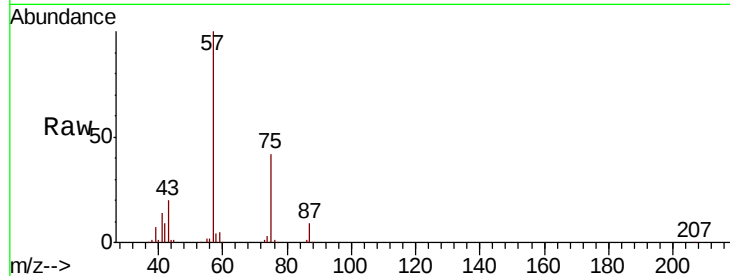




#59
2-Hexanone
Concen: 15.943 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060155.D
Acq: 19 Feb 2020 14:55

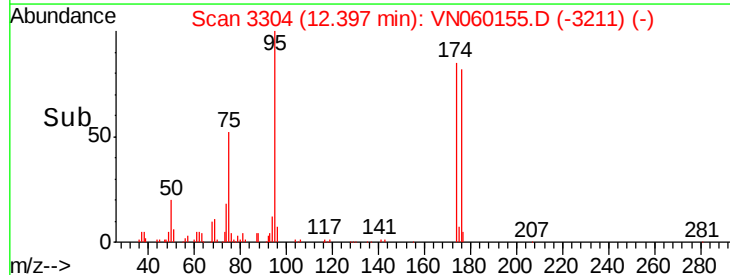
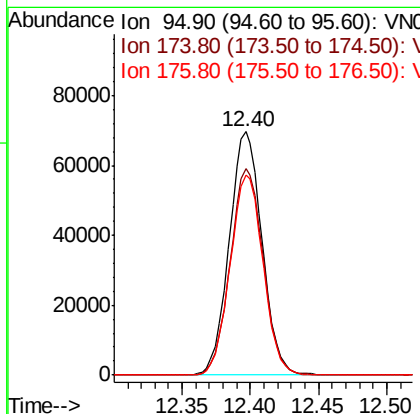
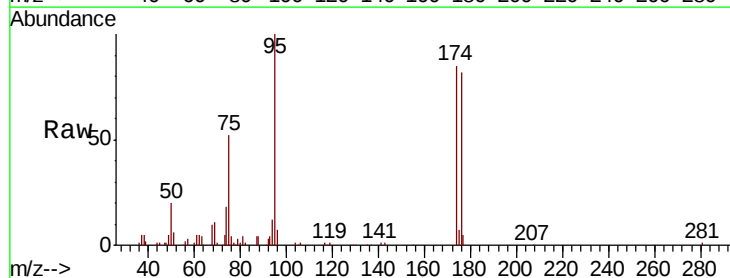
Instrument :
MSVOA_N
ClientSampleId :

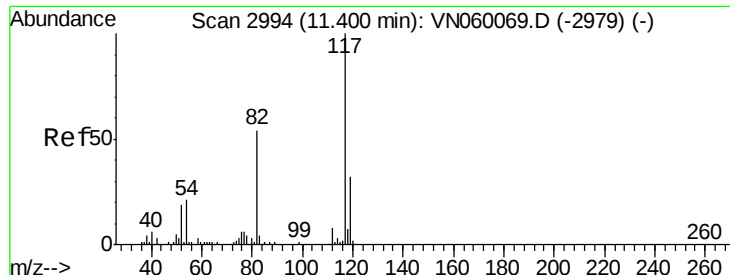
Tot Ion: 43 Resp: 27637
Ion Ratio Lower Upper
43 100
58 18.8 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 48.170 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060155.D
Acq: 19 Feb 2020 14:55

Tgt Ion: 95 Resp: 116087
Ion Ratio Lower Upper
95 100
174 85.7 0.0 169.8
176 82.8 0.0 164.8

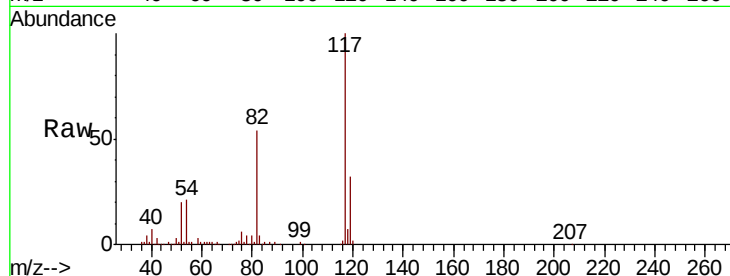




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060155.D
Acq: 19 Feb 2020 14:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.4	65.0
119	31.8	25.8	38.6

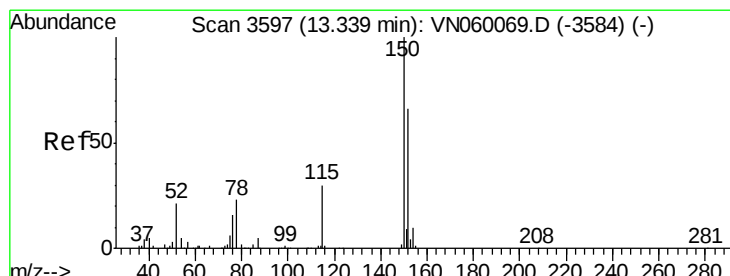
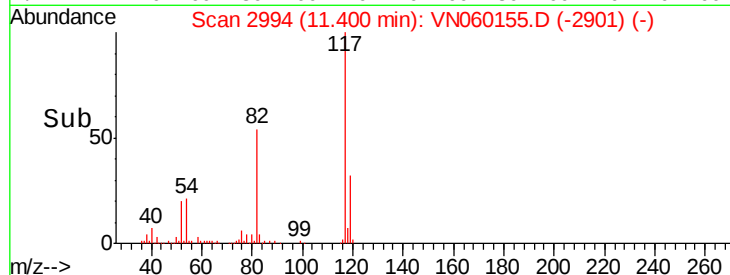
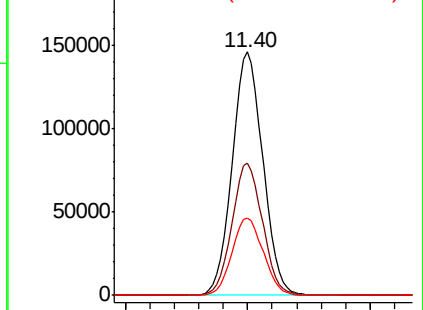


Abundance

Ion 116.90 (116.60 to 117.60): V

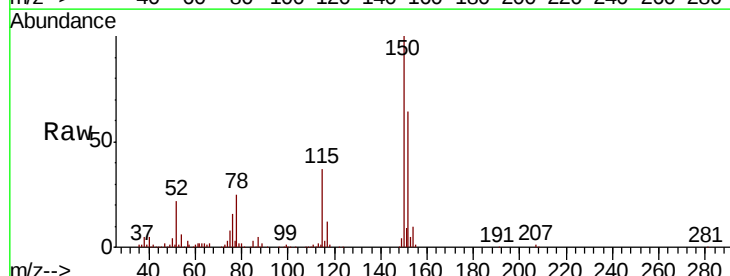
Ion 82.00 (81.70 to 82.70): V

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: VN060155.D
Acq: 19 Feb 2020 14:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.9	86.8
150	154.6	0.0	342.4

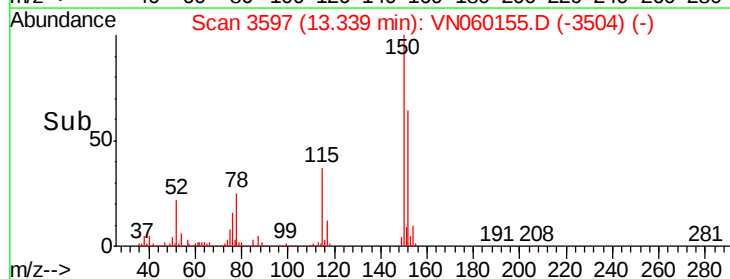
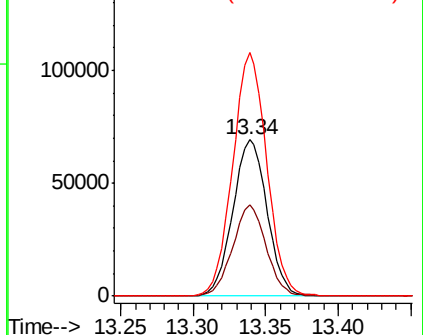


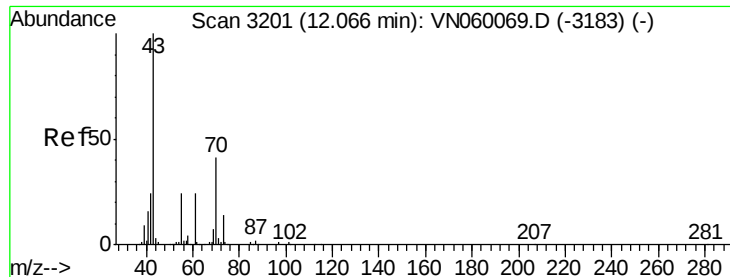
Abundance

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: 0.443 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.03 min

Lab File: VN060155.D

Acq: 19 Feb 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1359

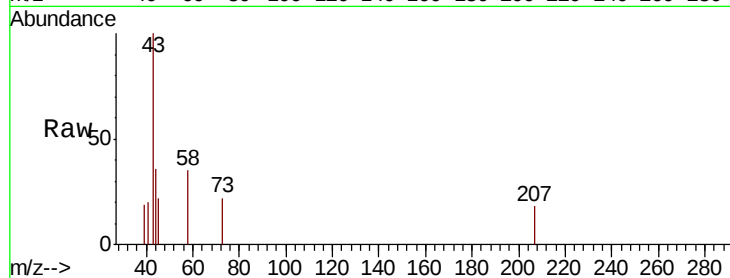
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 18.8 28.2#

61 0.0 19.2 28.8#

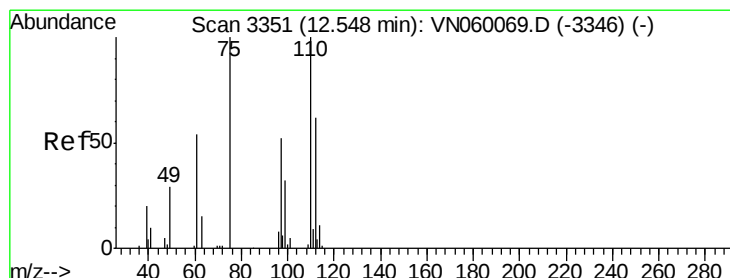
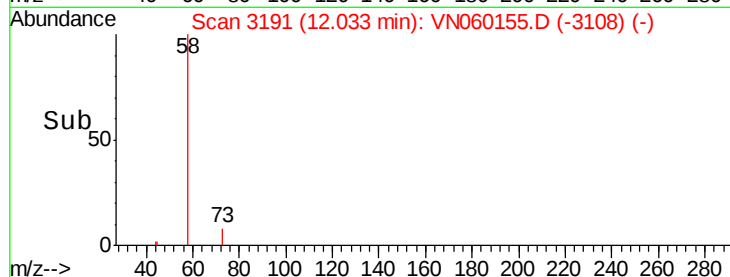
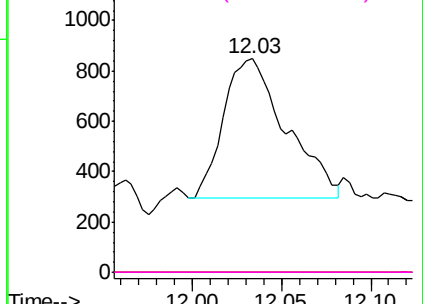


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 27.711 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060155.D

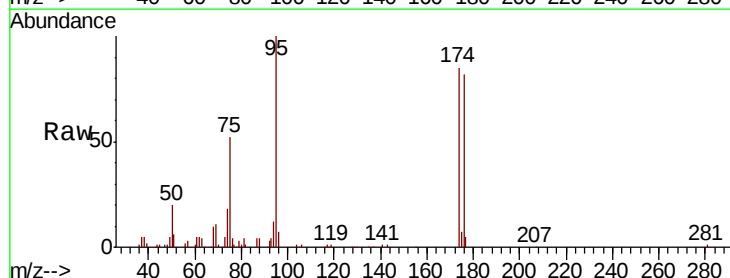
Acq: 19 Feb 2020 14:55

Tgt Ion: 75 Resp: 60360

Ion Ratio Lower Upper

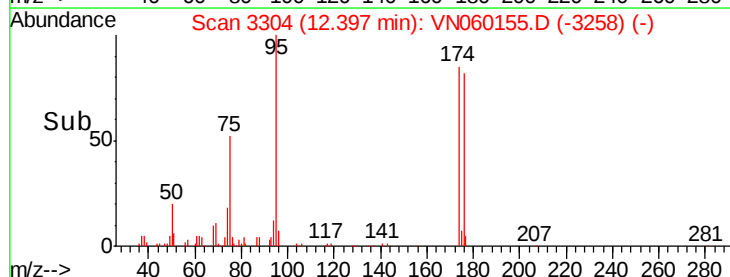
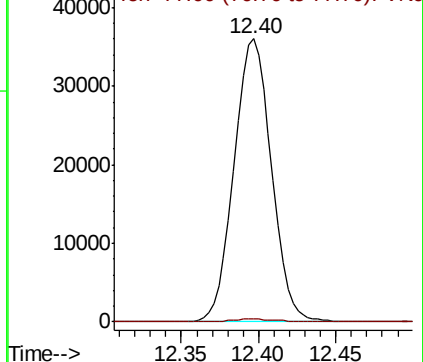
75 100

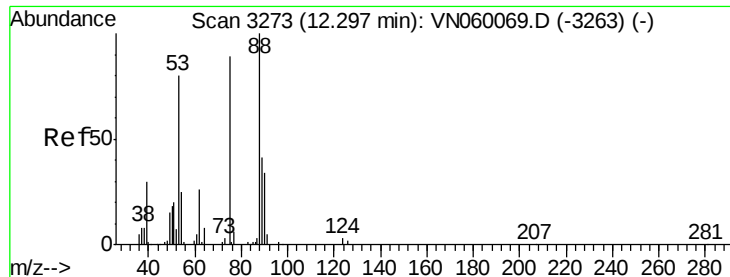
77 1.1 0.0 0.0#



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: 67.851 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060155.D

Acq: 19 Feb 2020 14:55

Instrument :

MSVOA_N

ClientSampled :

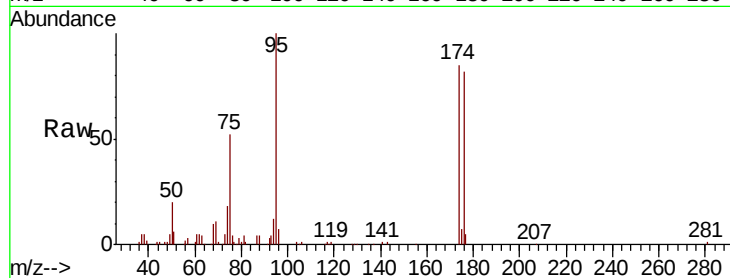
Tot Ion: 75 Resp: 60360

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

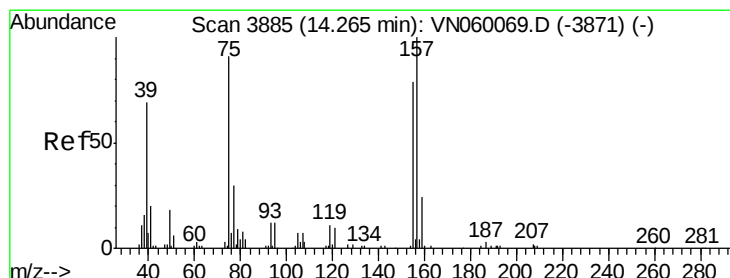
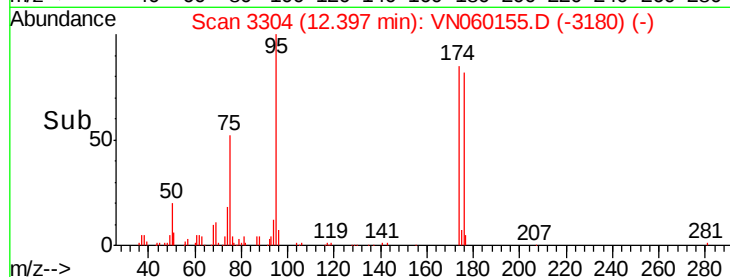
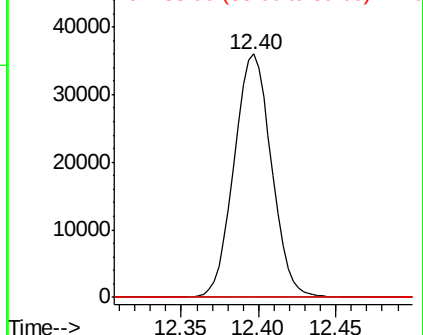
89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060155.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN060155.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN060155.D (-3180) (-)



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.28 min Scan# 3890

Delta R.T. 0.02 min

Lab File: VN060155.D

Acq: 19 Feb 2020 14:55

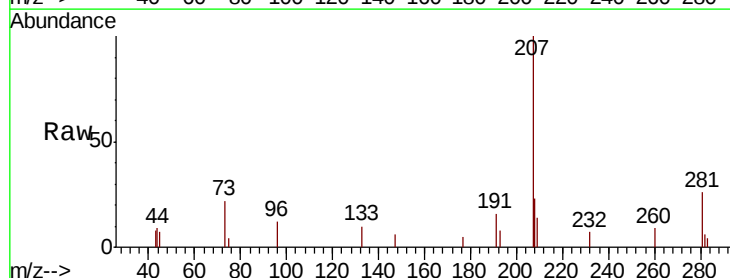
Tgt Ion: 75 Resp: 30

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): VN060155.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060155.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060155.D (-3791) (-)

