

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060176.D
 Acq On : 20 Feb 2020 16:52
 Operator : JC/MD
 Sample : PB126926ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 02:26:47 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	203794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	324468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141503	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	120649	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
35) Dibromofluoromethane	7.57	113	97325	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.08	98	394642	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	146525	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	

Target Compounds

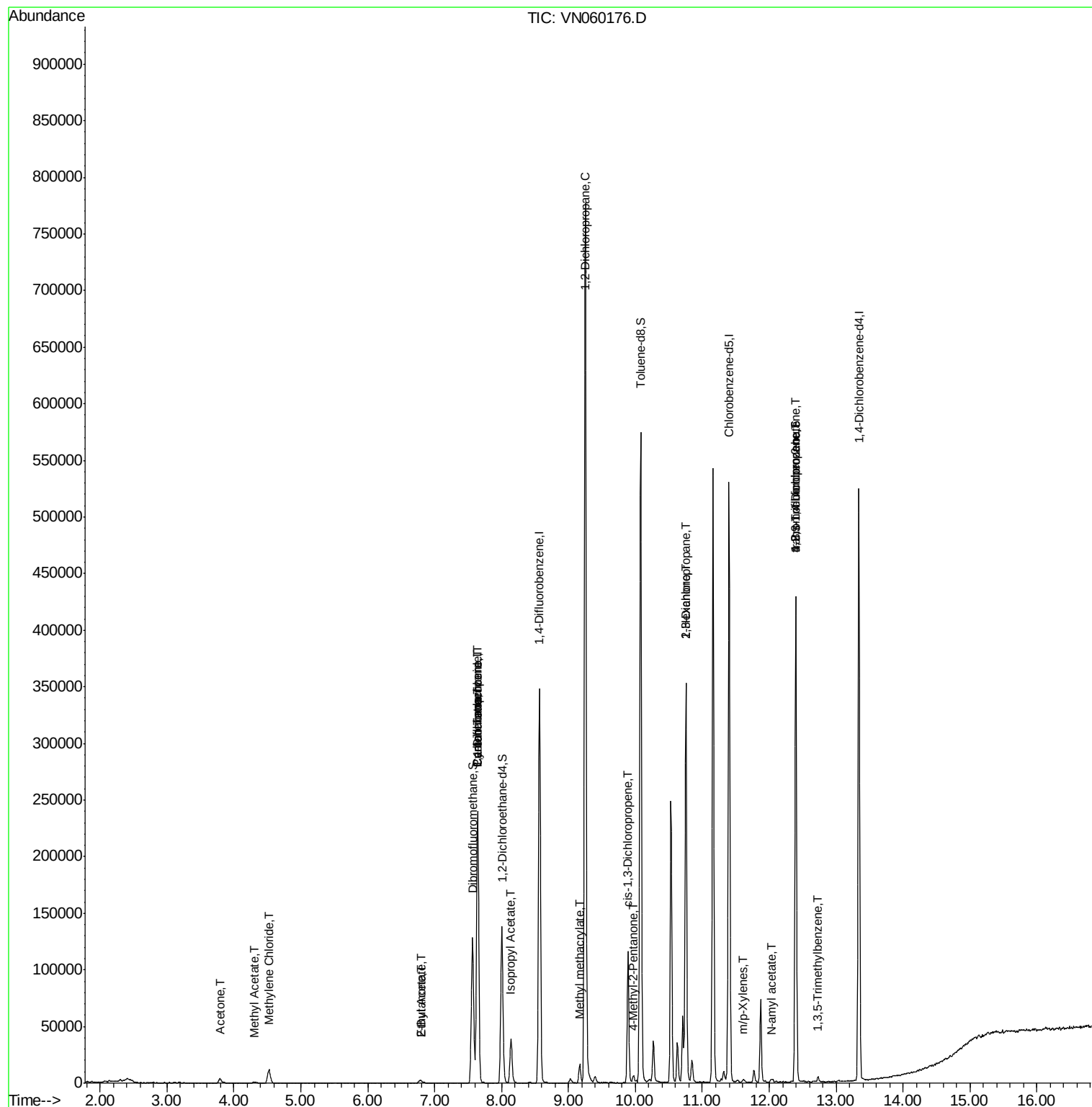
						Qvalue
16) Acetone	3.79	43	7155	6.615	ug/l	98
18) Methyl Acetate	4.30	43	874	0.430	ug/l #	50
20) Methylene Chloride	4.53	84	9798	4.540	ug/l	96
25) 2-Butanone	6.81	43	610	0.448	ug/l #	46
31) Cyclohexane	7.64	56	4211	1.201	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14889	4.954	ug/l #	46
37) Ethyl Acetate	6.81	43	610	0.225	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19252	5.898	ug/l #	14
43) Isopropyl Acetate	8.14	43	46848	10.090	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	937	0.425	ug/l #	43
48) Methyl methacrylate	9.17	41	2509	1.204	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	3044	1.133	ug/l #	75
54) cis-1,3-Dichloropropene	9.89	75	21399	5.678	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	3805	1.034	ug/l #	43
59) 2-Hexanone	10.75	43	50549	24.349	ug/l #	53
68) m/p-Xylenes	11.61	106	922	0.217	ug/l	82
74) N-amyl acetate	12.02	43	1498	0.393	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	74690	27.589	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2751	0.313	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	74690	67.551	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.26	75	59	Below Cal	#	1

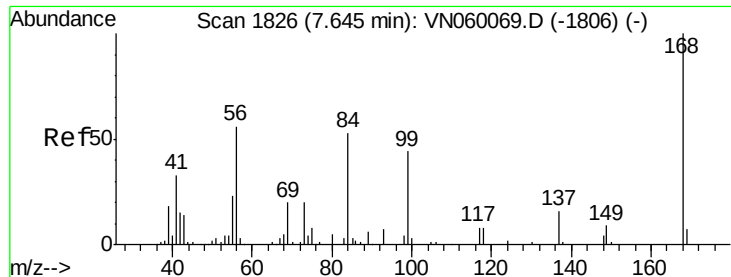
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060176.D

Acq: 20 Feb 2020 16:52

Instrument :

MSVOA_N

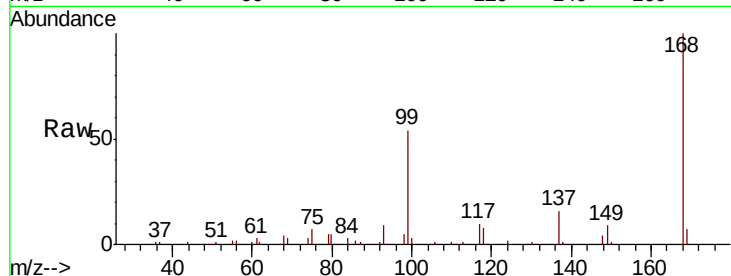
ClientSampleId :

Tot Ion:168 Resp: 203794

Ion Ratio Lower Upper

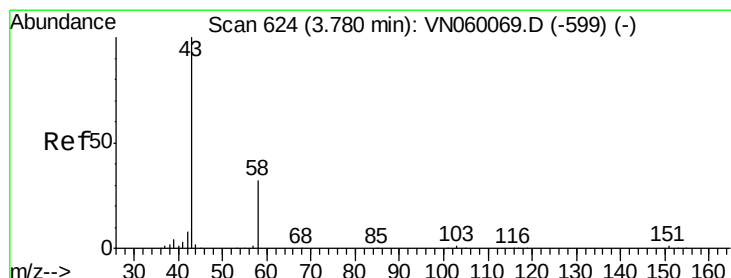
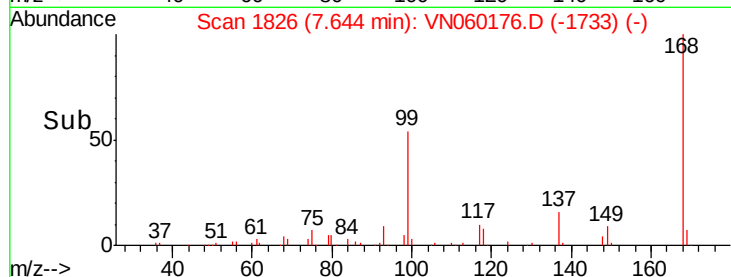
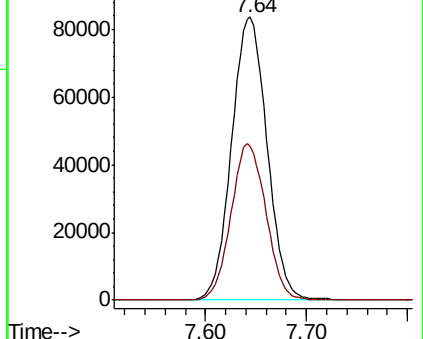
168 100

99 54.3 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 6.615 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060176.D

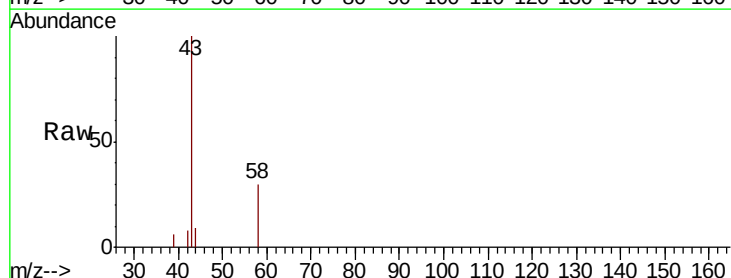
Acq: 20 Feb 2020 16:52

Tgt Ion: 43 Resp: 7155

Ion Ratio Lower Upper

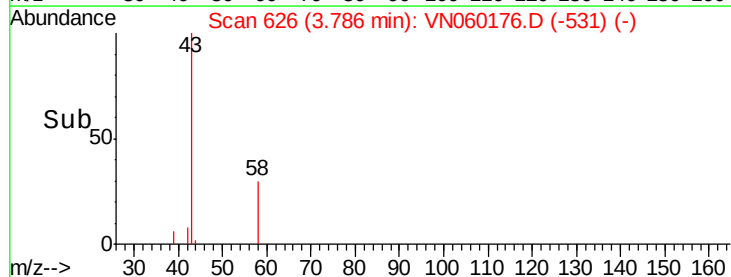
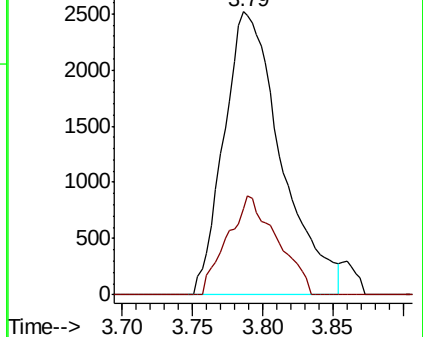
43 100

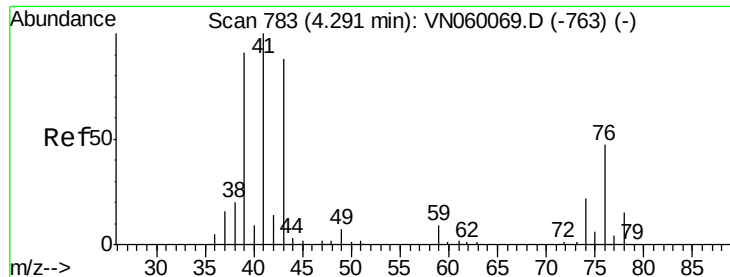
58 30.4 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

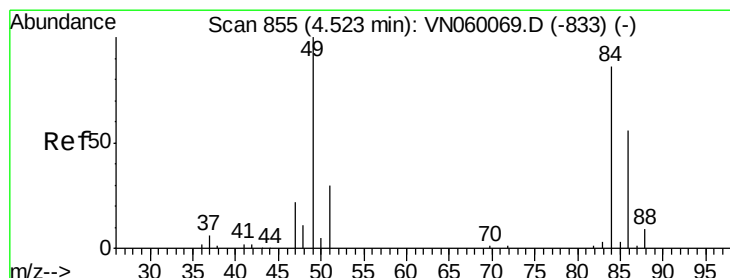
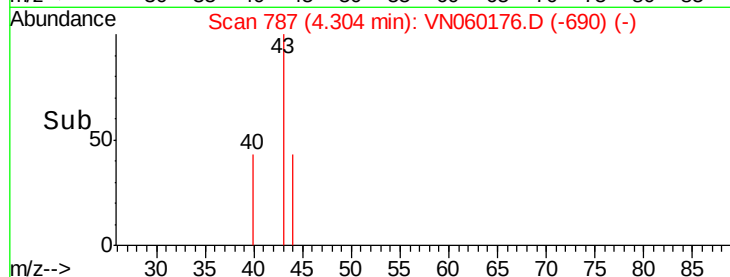
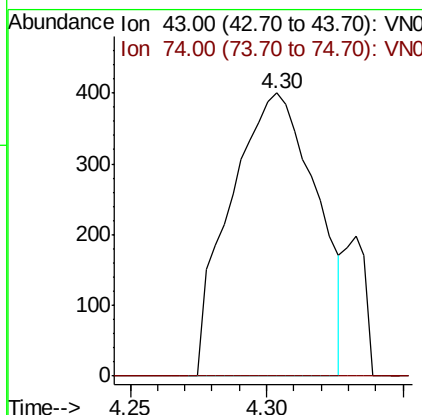
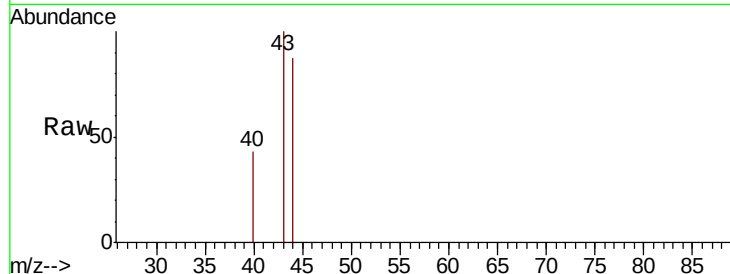




#18
Methyl Acetate
Concen: 0.430 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN060176.D
Acq: 20 Feb 2020 16:52

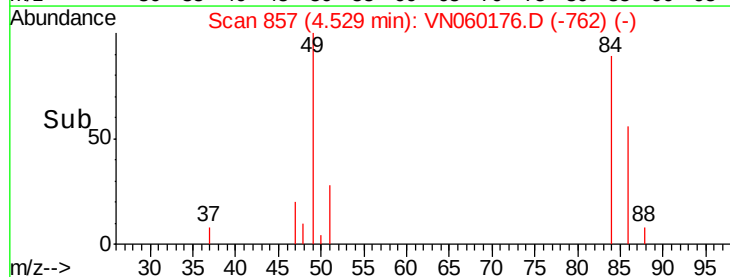
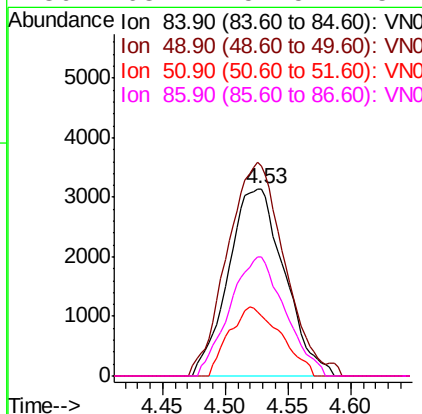
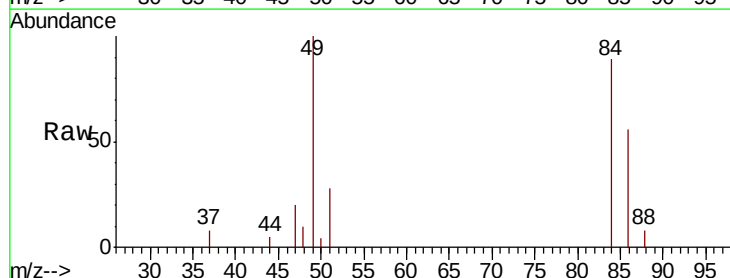
Instrument :
MSVOA_N
ClientSampled :

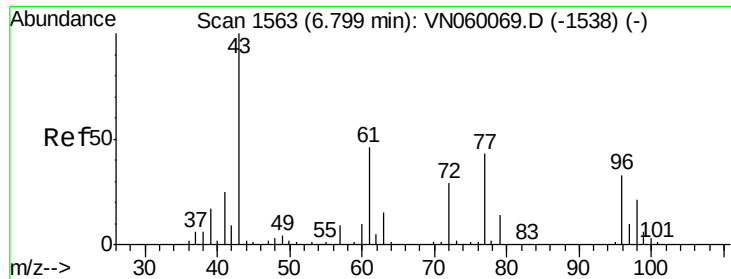
Tot Ion: 43 Resp: 874
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 4.540 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060176.D
Acq: 20 Feb 2020 16:52

Tgt Ion: 84 Resp: 9798
Ion Ratio Lower Upper
84 100
49 112.6 93.4 140.0
51 31.9 28.4 42.6
86 63.4 52.5 78.7

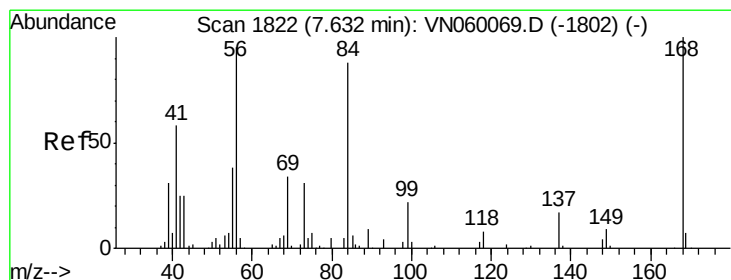
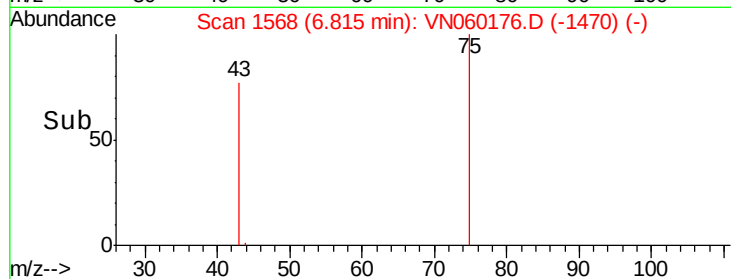
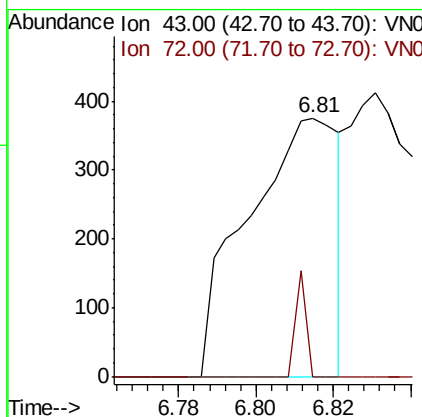
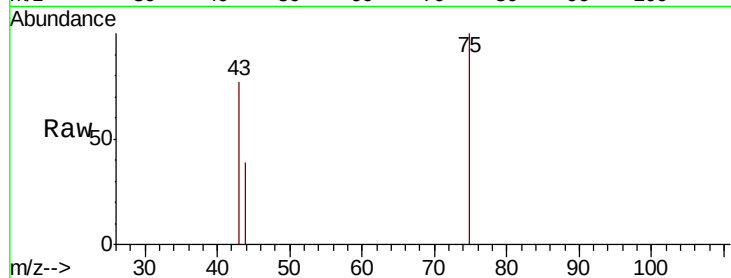




#25
2-Butanone
Concen: 0.448 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VN060176.D
Acq: 20 Feb 2020 16:52

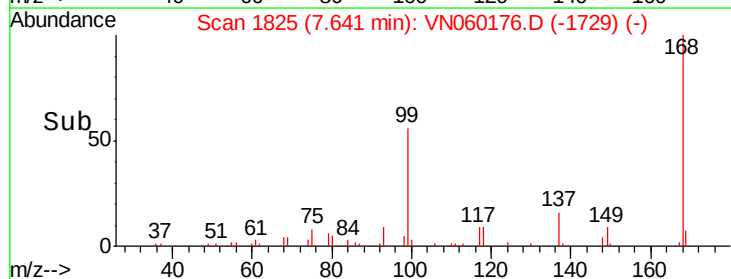
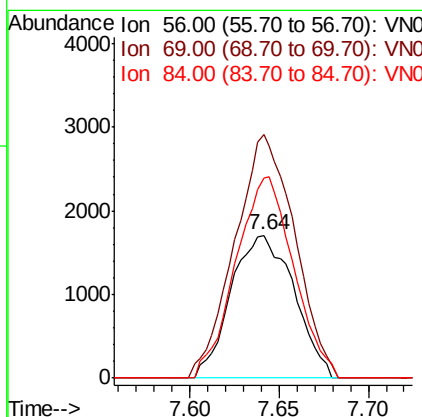
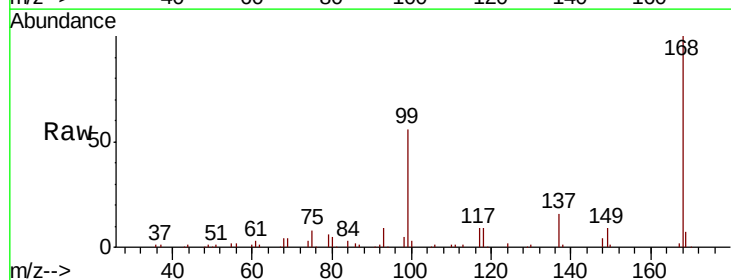
Instrument :
MSVOA_N
ClientSampleId :

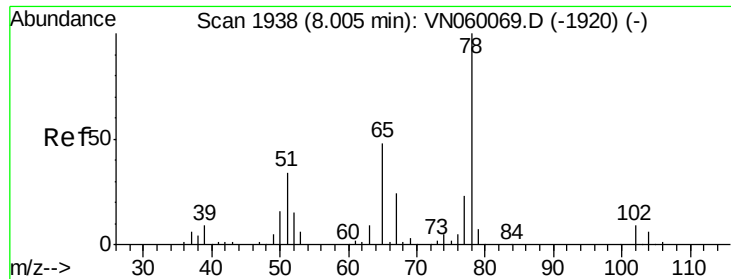
Tot Ion: 43 Resp: 610
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#



#31
Cyclohexane
Concen: 1.201 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060176.D
Acq: 20 Feb 2020 16:52

Tgt Ion: 56 Resp: 4211
Ion Ratio Lower Upper
56 100
69 170.8 28.3 42.5#
84 140.0 72.6 108.8#

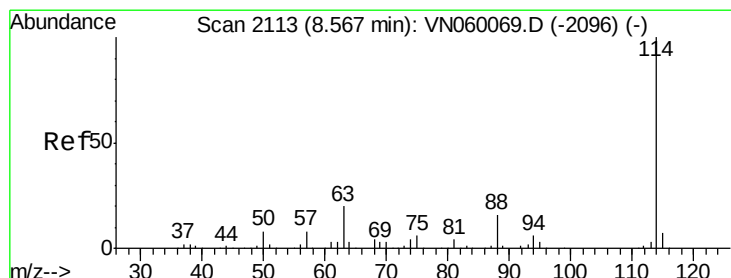
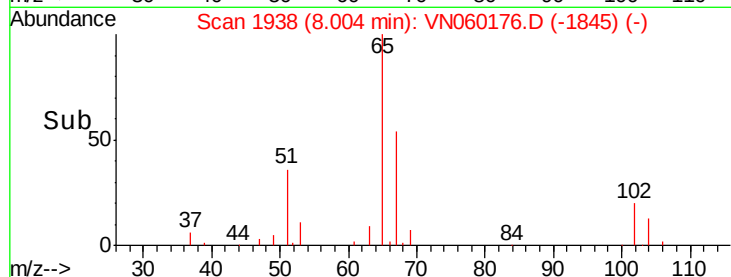
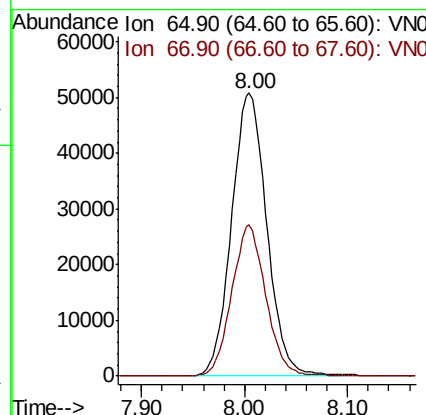
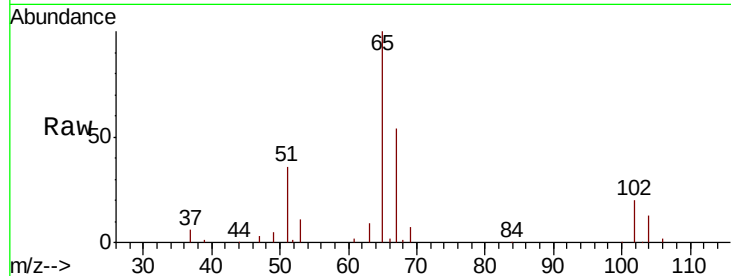




#33
 1,2-Dichloroethane-d4
 Concen: 48.652 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060176.D
 Acq: 20 Feb 2020 16:52

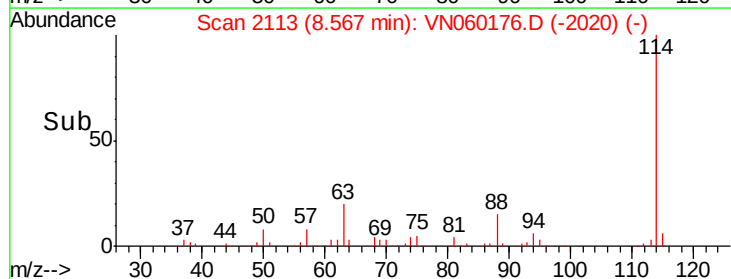
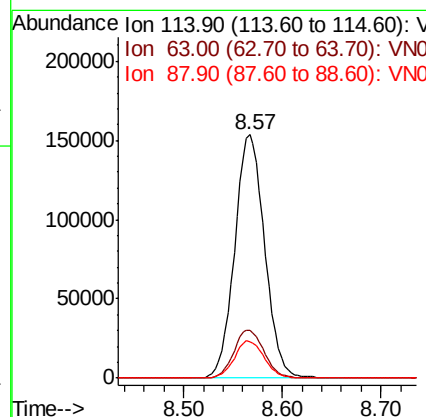
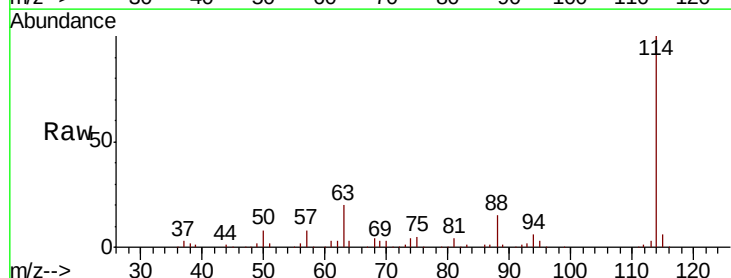
Instrument :
 MSVOA_N
 ClientSampled :

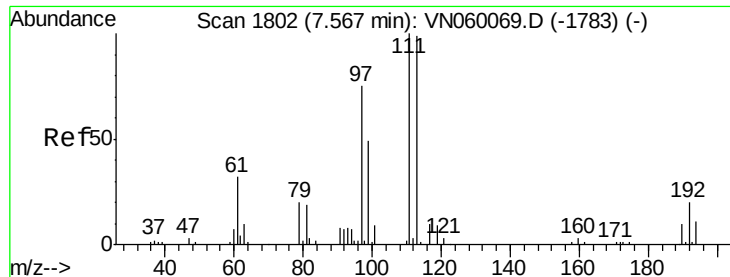
Tot Ion: 65 Resp: 120649
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060176.D
 Acq: 20 Feb 2020 16:52

Tgt Ion: 114 Resp: 324468
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.1 0.0 31.6

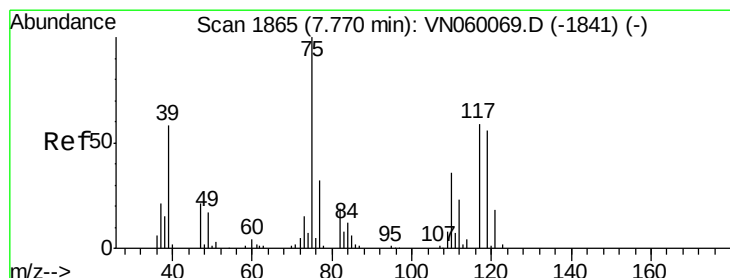
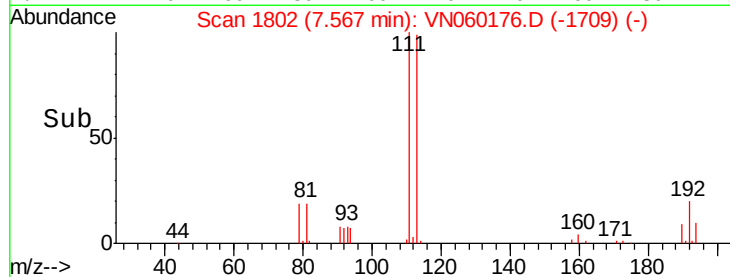
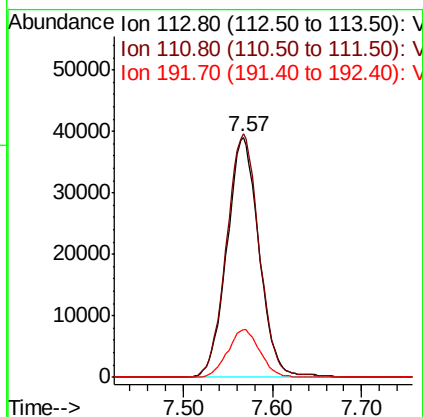
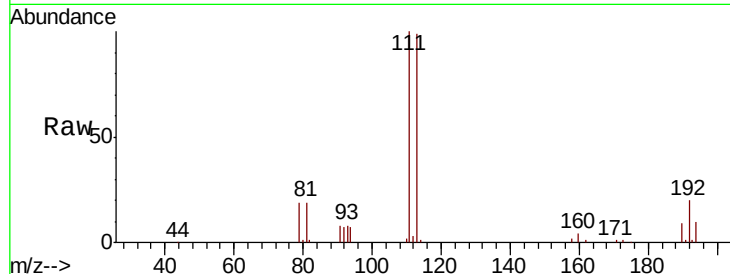




#35
 Dibromofluoromethane
 Concen: 48.797 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060176.D
 Acq: 20 Feb 2020 16:52

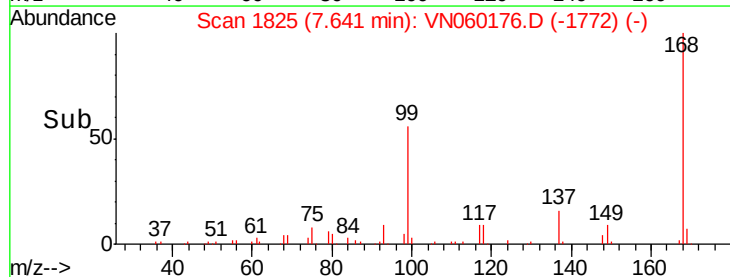
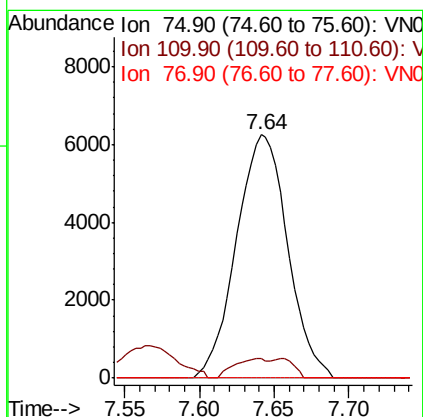
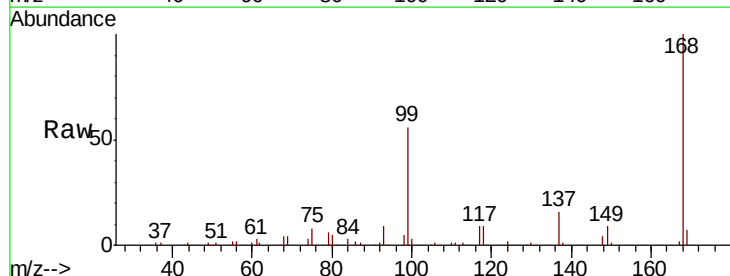
Instrument :
 MSVOA_N
 ClientSampled :

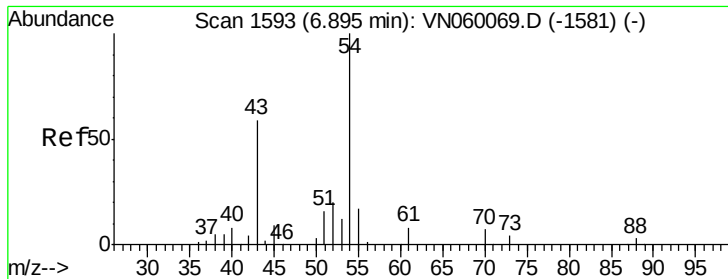
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.2
192	19.9	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.954 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060176.D
 Acq: 20 Feb 2020 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.5	18.1	54.3#
77	0.0	25.1	37.7#

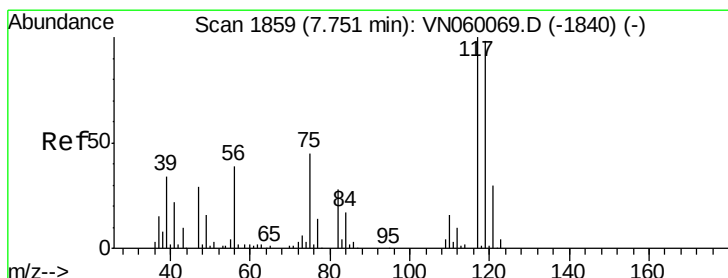
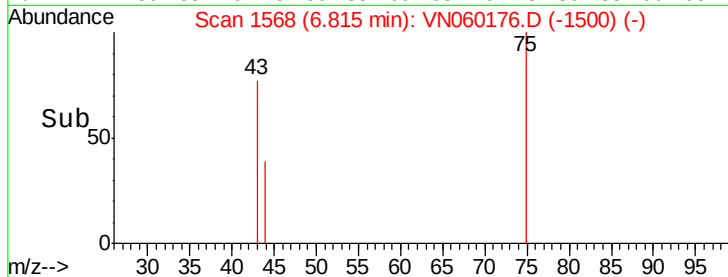
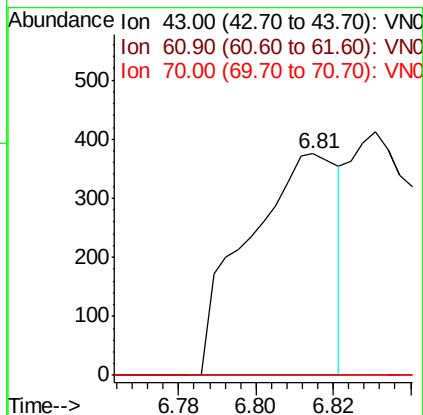
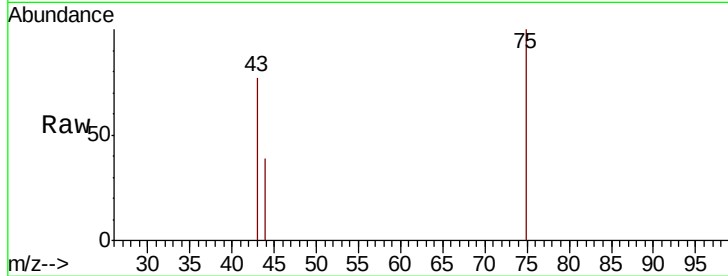




#37
Ethyl Acetate
Concen: 0.225 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. -0.08 min
Lab File: VN060176.D
Acq: 20 Feb 2020 16:52

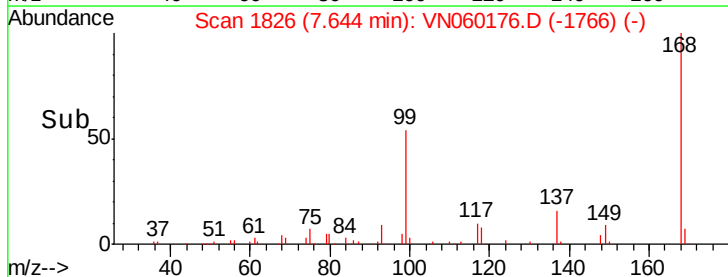
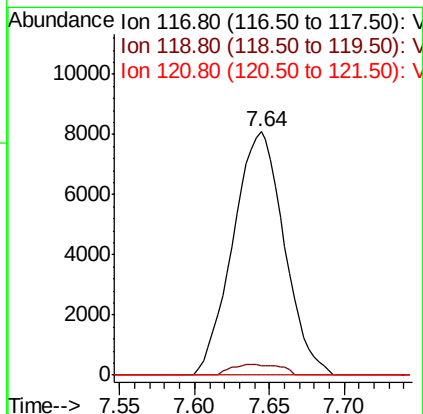
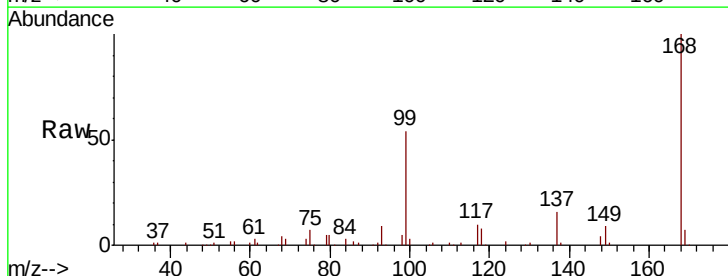
Instrument :
MSVOA_N
ClientSampled :

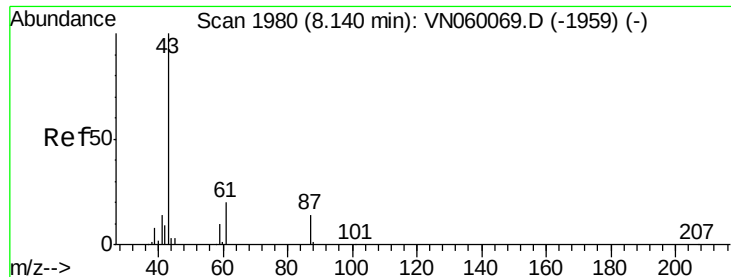
Tot Ion: 43 Resp: 610
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.2#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.898 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060176.D
Acq: 20 Feb 2020 16:52

Tgt Ion: 117 Resp: 19252
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.4#
121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 10.090 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060176.D

Acq: 20 Feb 2020 16:52

Instrument :

MSVOA_N

ClientSampled :

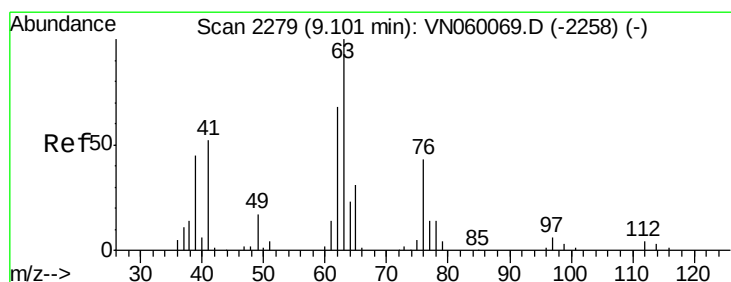
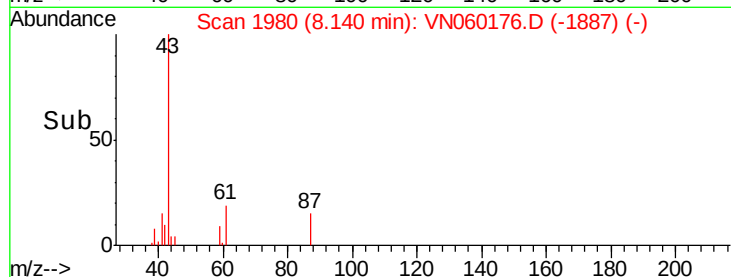
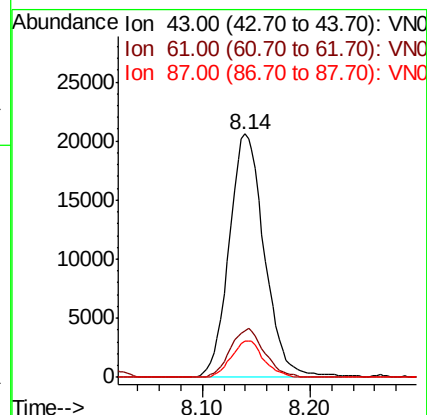
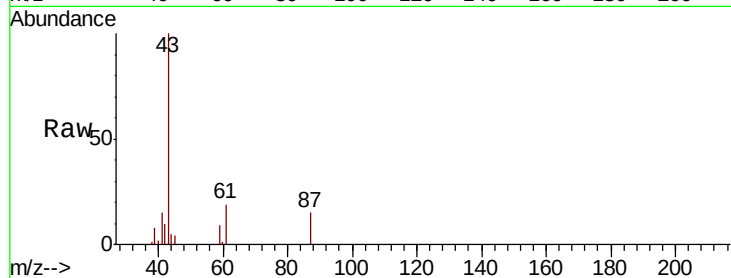
Tot Ion: 43 Resp: 46848

Ion Ratio Lower Upper

43 100

61 19.3 21.8 32.6#

87 13.8 11.4 17.2



#45

1,2-Dichloropropane

Concen: 0.425 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060176.D

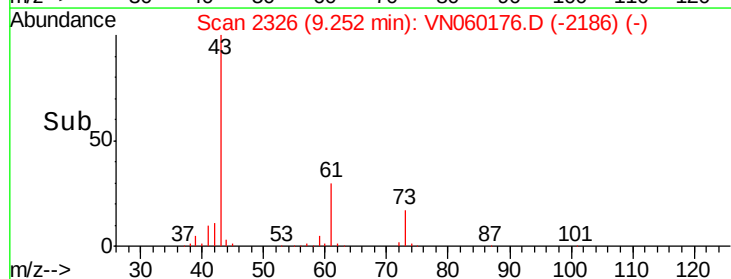
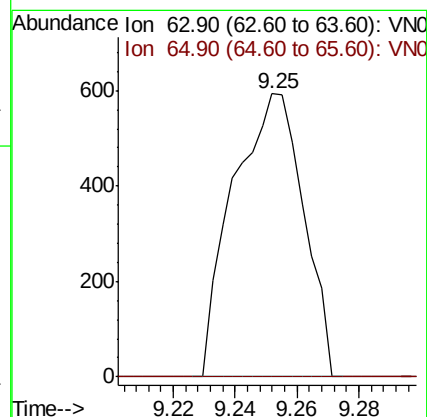
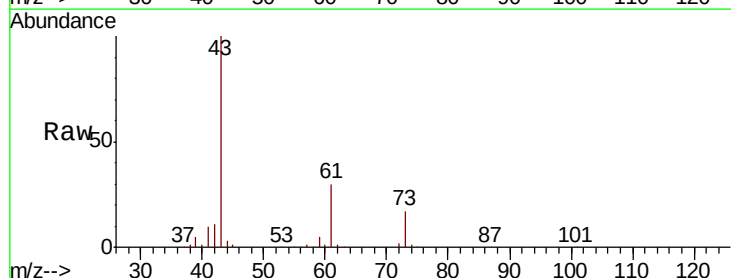
Acq: 20 Feb 2020 16:52

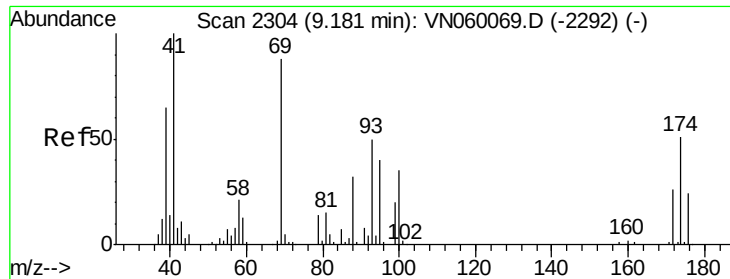
Tgt Ion: 63 Resp: 937

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#

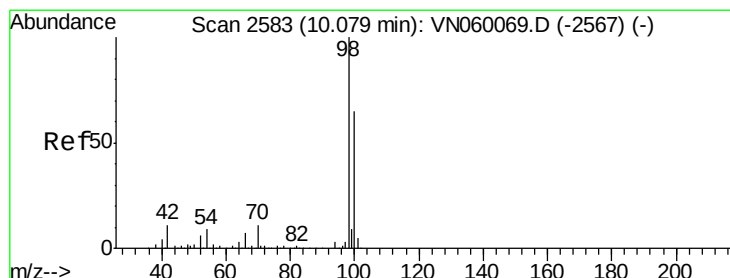
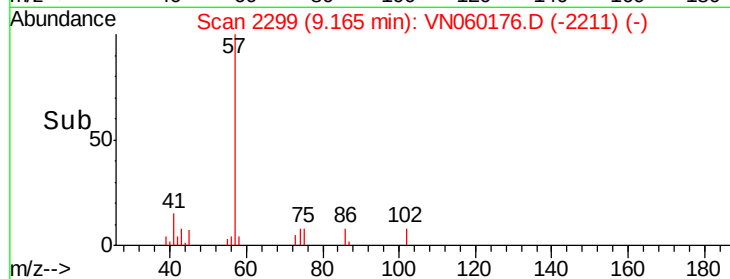
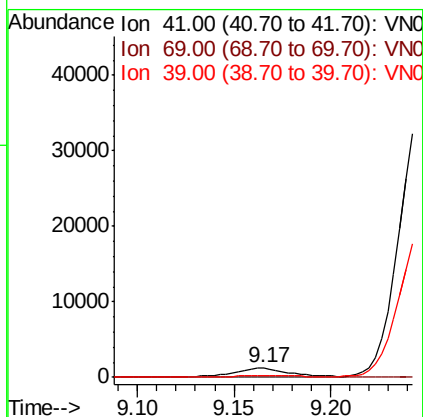
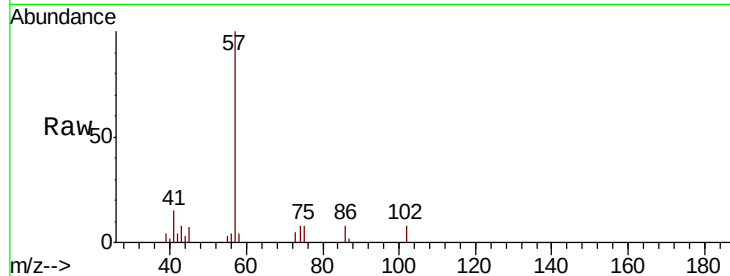




#48
Methvl methacrylate
Concen: 1.204 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN060176.D
Acq: 20 Feb 2020 16:52

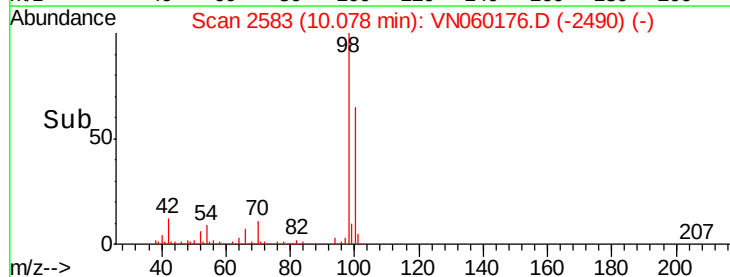
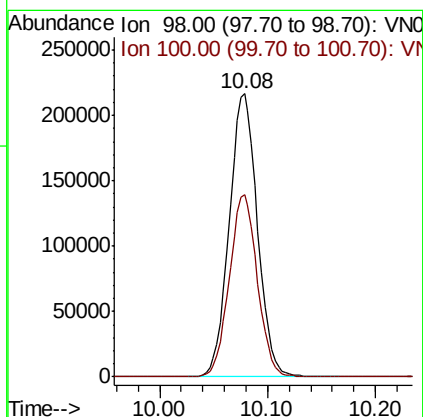
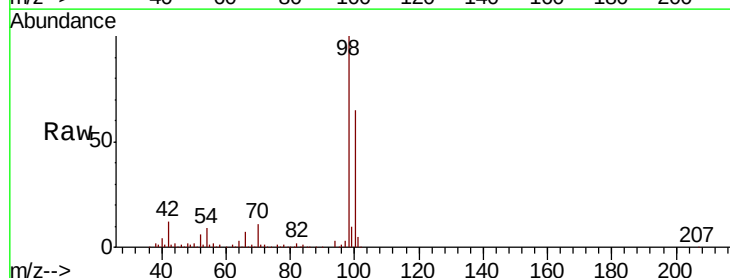
Instrument :
MSVOA_N
ClientSampleId :

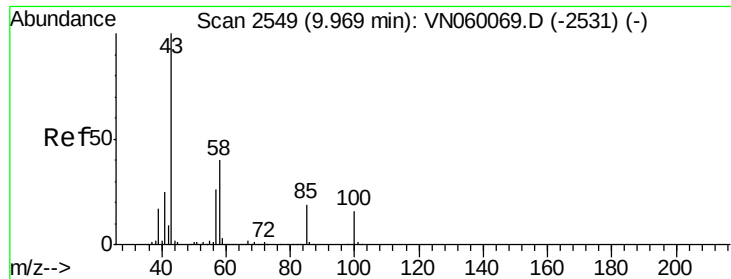
Tot Ion: 41 Resp: 2509
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 54.1 81.1#



#50
Toluene-d8
Concen: 50.246 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060176.D
Acq: 20 Feb 2020 16:52

Tgt Ion: 98 Resp: 394642
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5

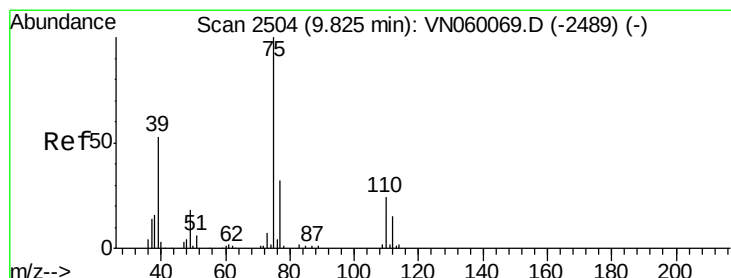
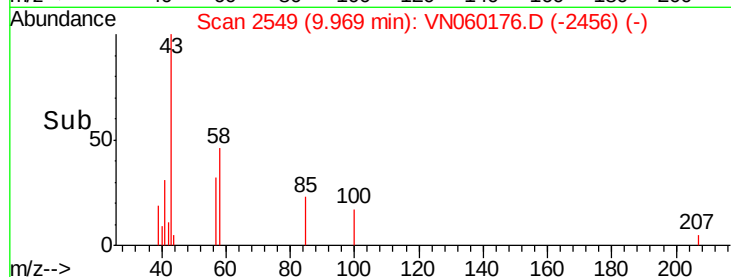
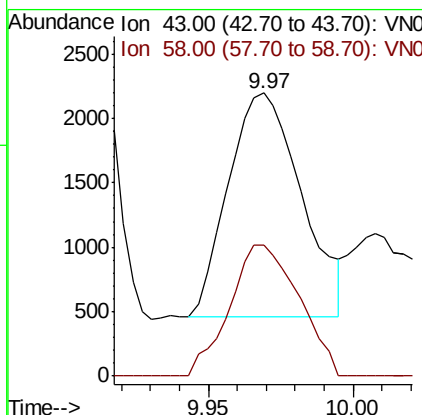
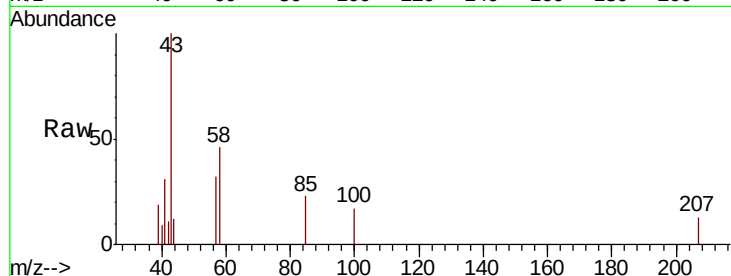




#51
 4-Methyl-2-Pentanone
 Concen: 1.133 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060176.D
 Acq: 20 Feb 2020 16:52

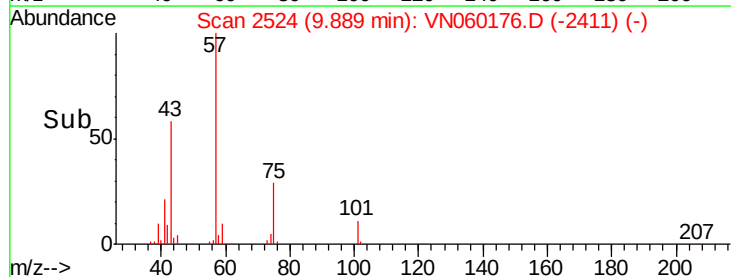
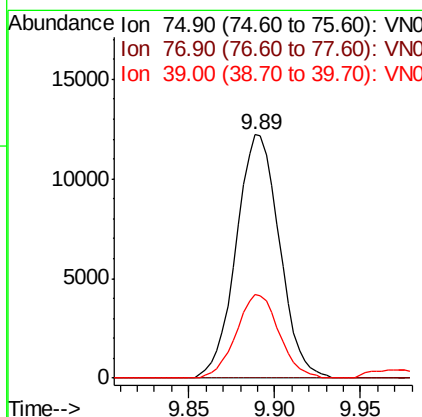
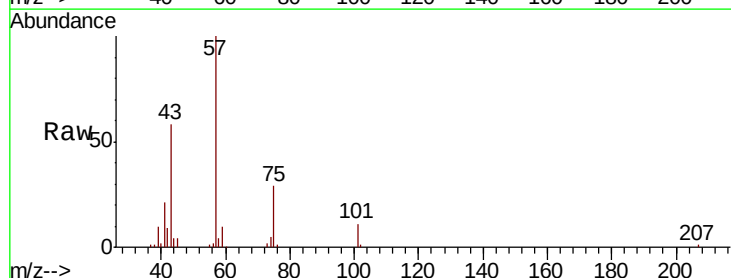
Instrument :
 MSVOA_N
 ClientSampled :

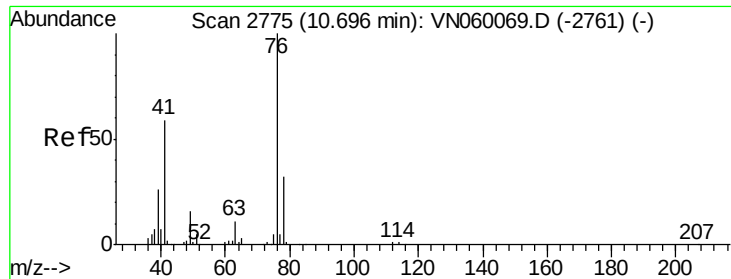
Tot Ion: 43 Resp: 3044
 Ion Ratio Lower Upper
 43 100
 58 55.4 31.8 47.8#



#54
 cis-1,3-Dichloropropene
 Concen: 5.678 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060176.D
 Acq: 20 Feb 2020 16:52

Tgt Ion: 75 Resp: 21399
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#
 39 34.2 42.2 63.4#

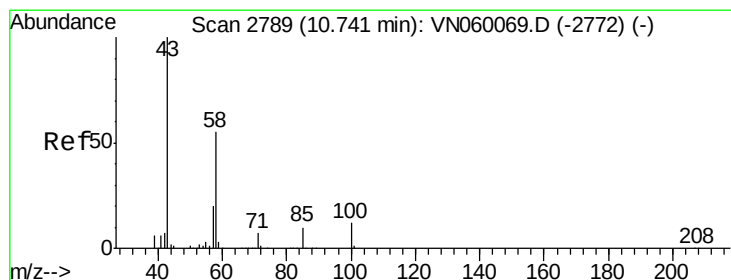
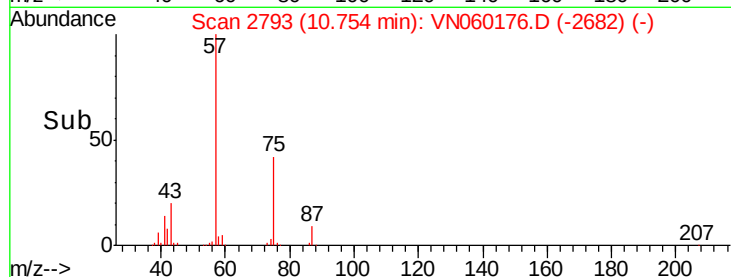
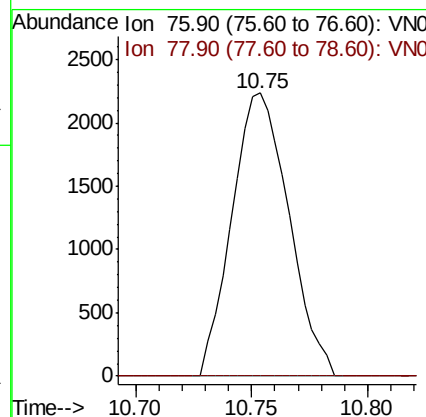
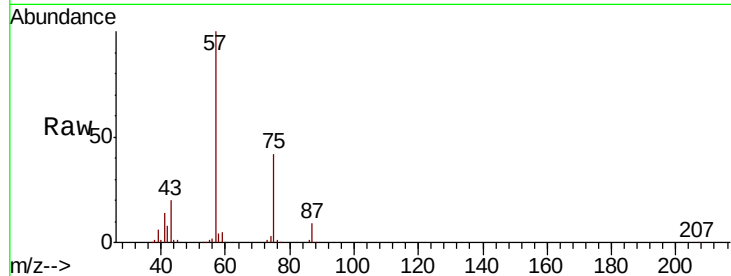




#57
 1,3-Dichloropropane
 Concen: 1.034 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060176.D
 Acq: 20 Feb 2020 16:52

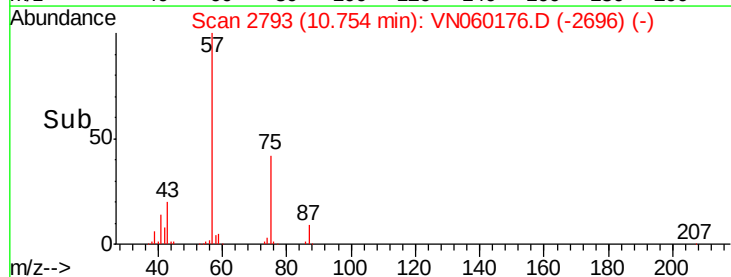
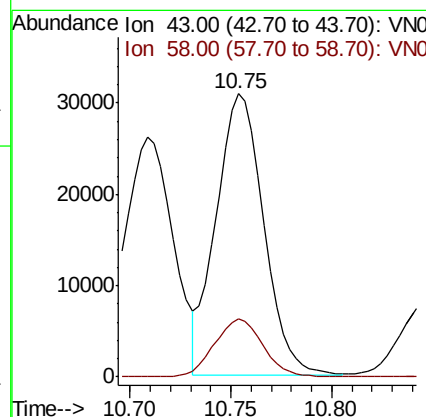
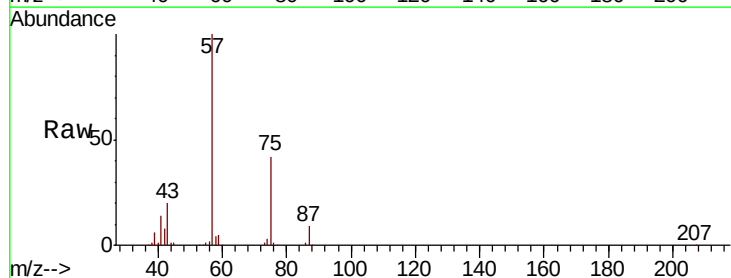
Instrument :
 MSVOA_N
 ClientSampleId :

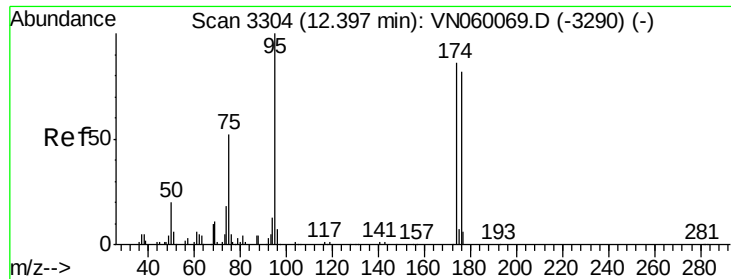
Tot Ion: 76 Resp: 3805
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 24.349 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060176.D
 Acq: 20 Feb 2020 16:52

Tgt Ion: 43 Resp: 50549
 Ion Ratio Lower Upper
 43 100
 58 21.0 27.5 82.4#

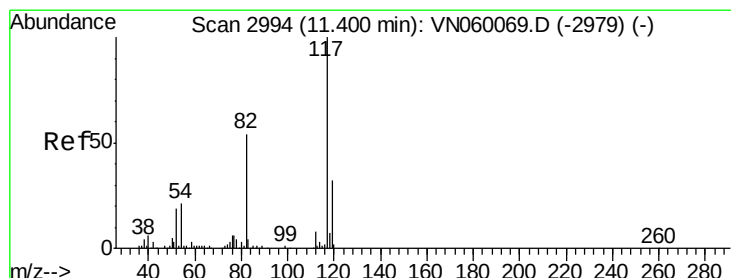
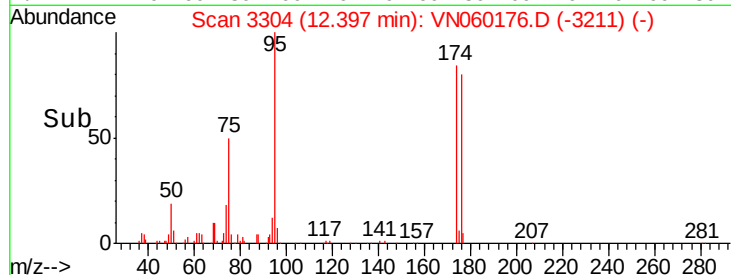
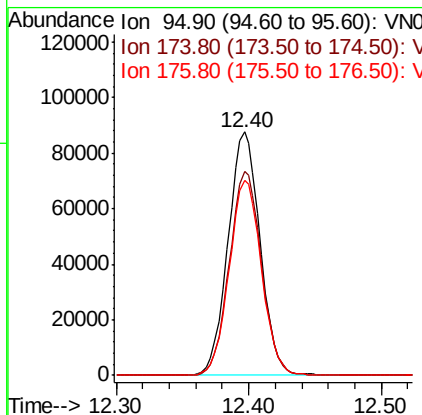
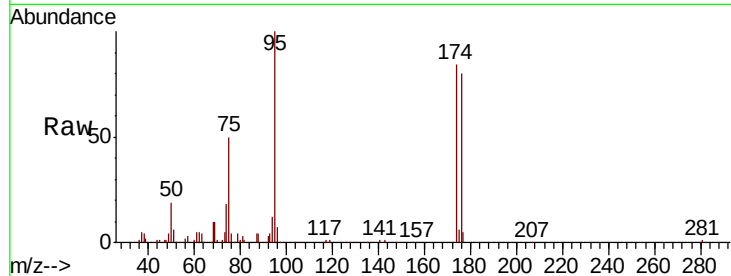




#62
4-Bromofluorobenzene
Concen: 50.770 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060176.D
Acq: 20 Feb 2020 16:52

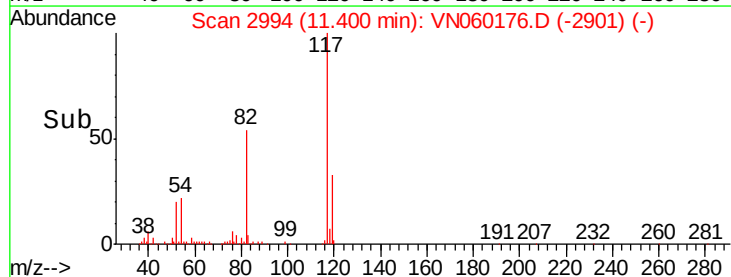
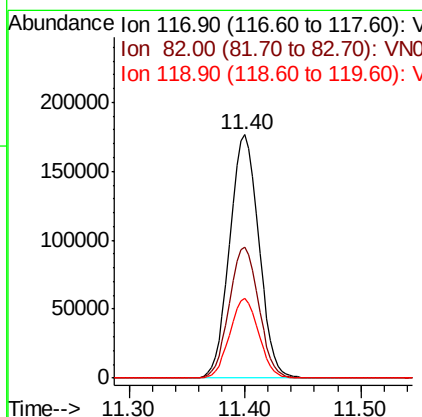
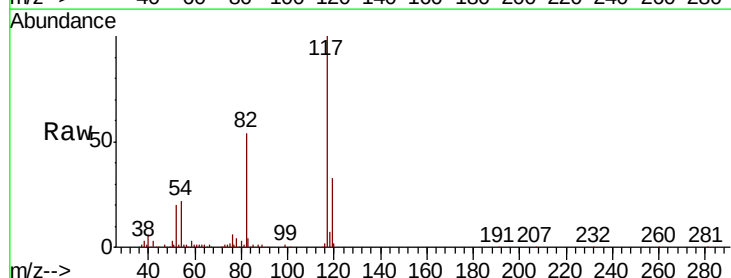
Instrument :
MSVOA_N
ClientSampleId :

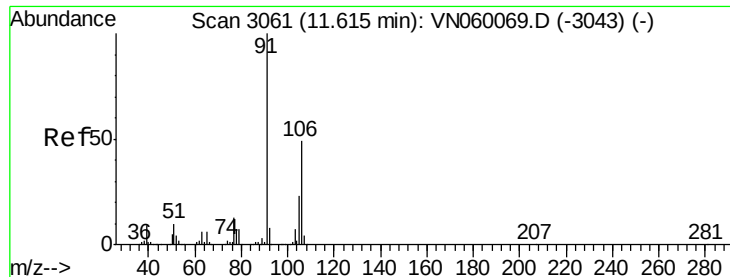
Tot Ion: 95 Resp: 146525
Ion Ratio Lower Upper
95 100
174 83.9 0.0 169.8
176 80.9 0.0 164.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060176.D
Acq: 20 Feb 2020 16:52

Tgt Ion: 117 Resp: 307918
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 32.7 25.8 38.6

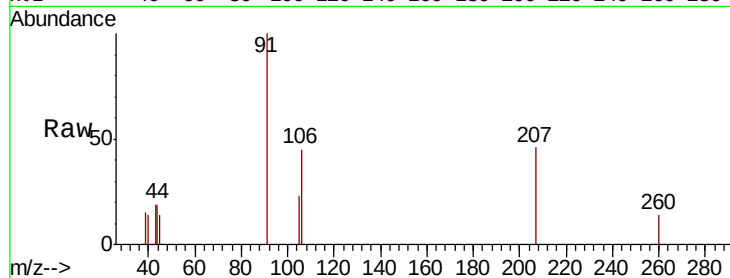




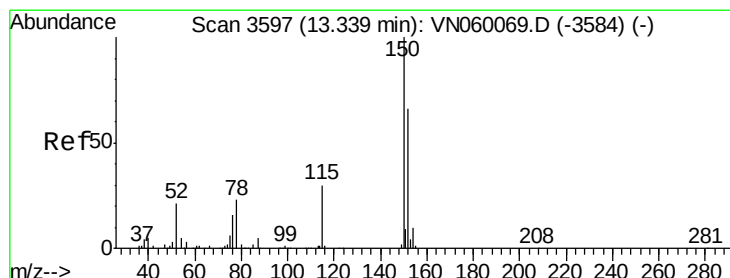
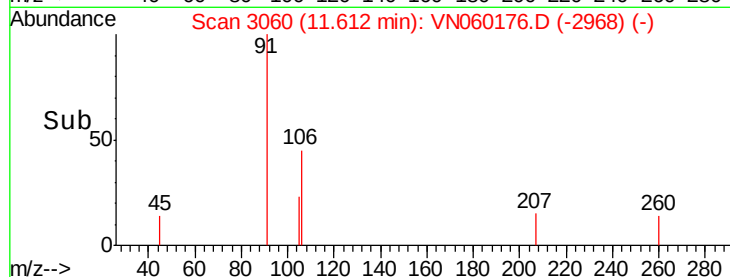
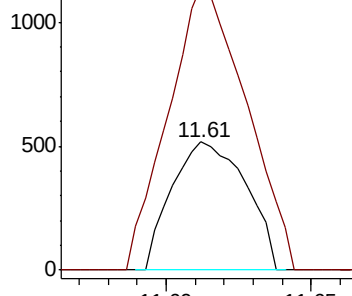
#68
m/p-Xylenes
Concen: 0.217 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060176.D
Acq: 20 Feb 2020 16:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 922
Ion Ratio Lower Upper
106 100
91 230.8 162.7 244.1

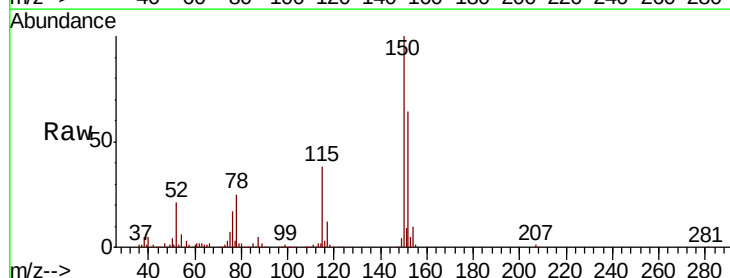


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

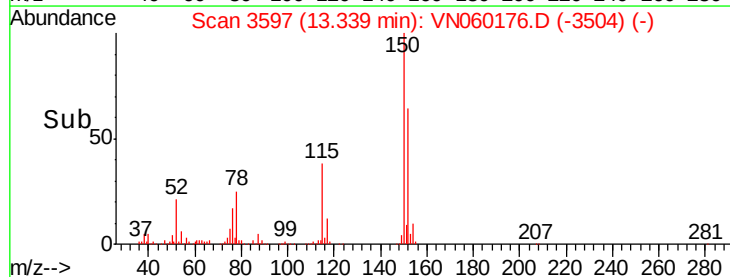
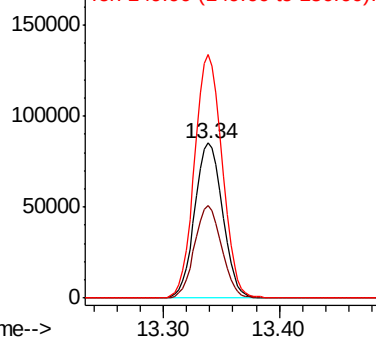


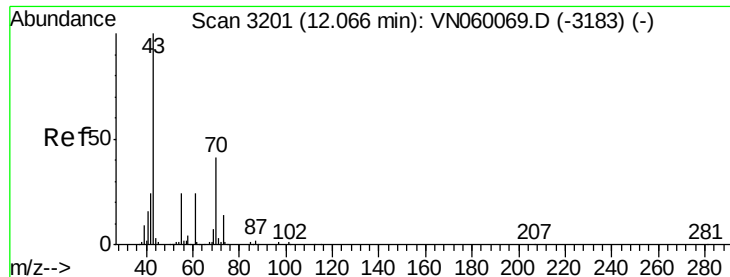
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060176.D
Acq: 20 Feb 2020 16:52

Tgt Ion:152 Resp: 141503
Ion Ratio Lower Upper
152 100
115 57.9 28.9 86.8
150 155.8 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

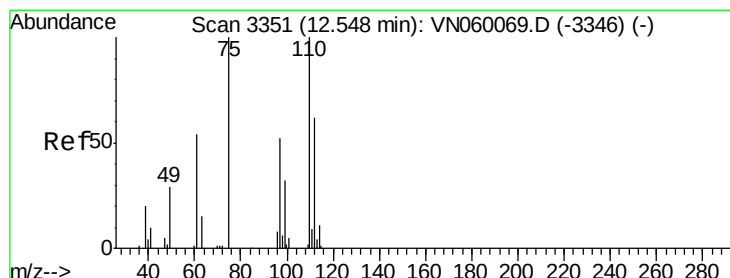
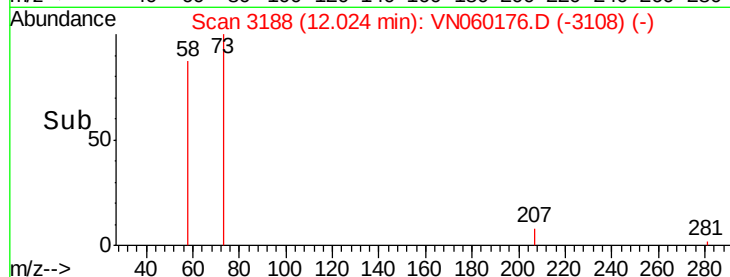
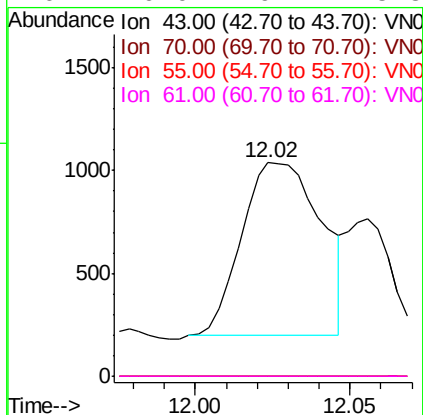
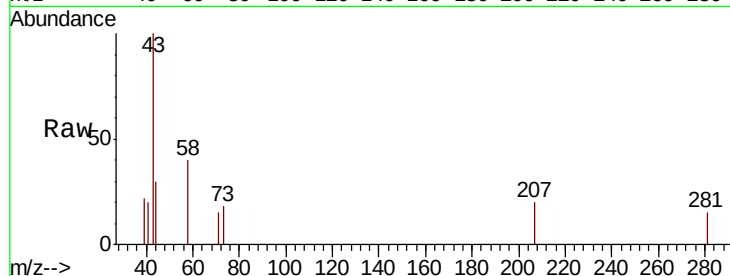




#74
N-amvl acetate
Concen: 0.393 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060176.D
Acq: 20 Feb 2020 16:52

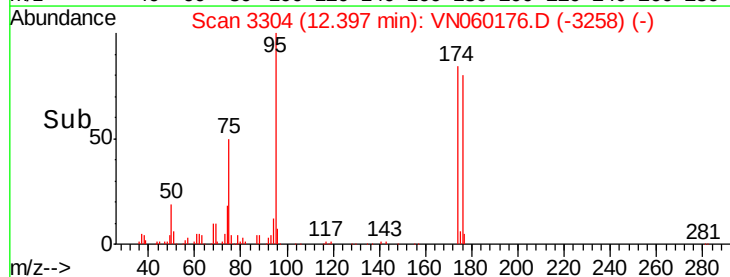
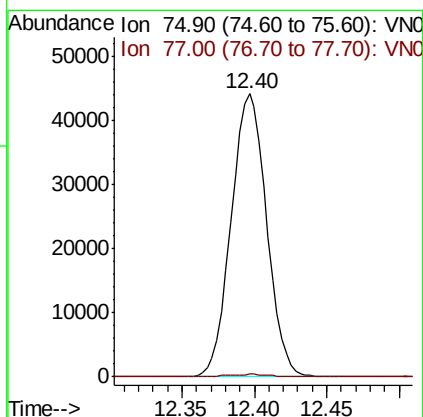
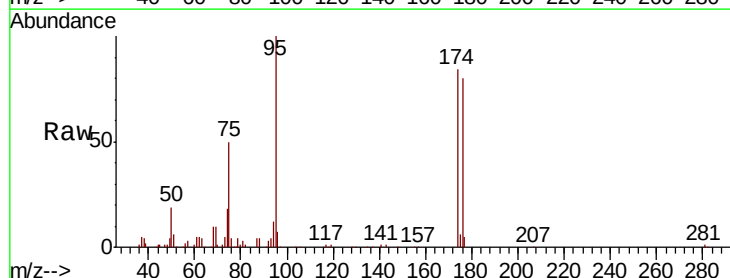
Instrument :
MSVOA_N
ClientSampleId :

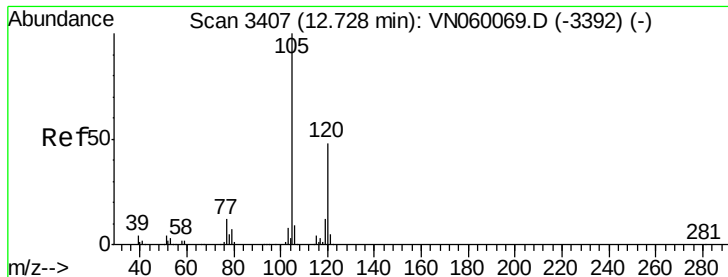
Tot Ion: 43 Resp: 1498
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.0#
55 0.0 18.8 28.2#
61 0.0 19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 27.589 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060176.D
Acq: 20 Feb 2020 16:52

Tgt Ion: 75 Resp: 74690
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.313 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060176.D

Acq: 20 Feb 2020 16:52

Instrument :

MSVOA_N

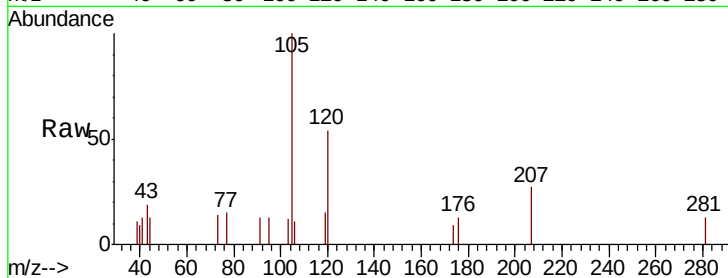
ClientSampleId :

Tot Ion: 105 Resp: 2751

Ion Ratio Lower Upper

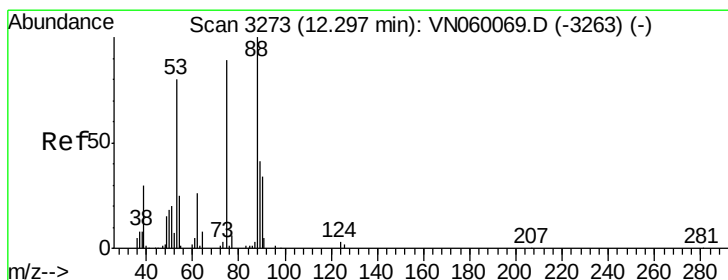
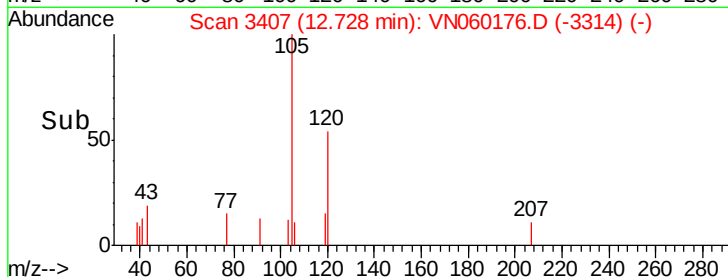
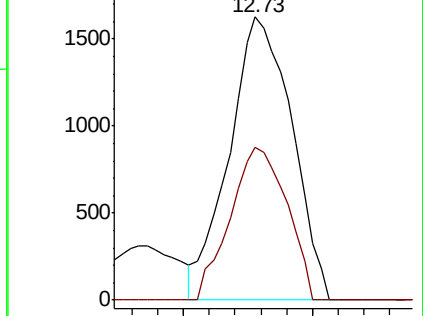
105 100

120 48.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 67.551 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060176.D

Acq: 20 Feb 2020 16:52

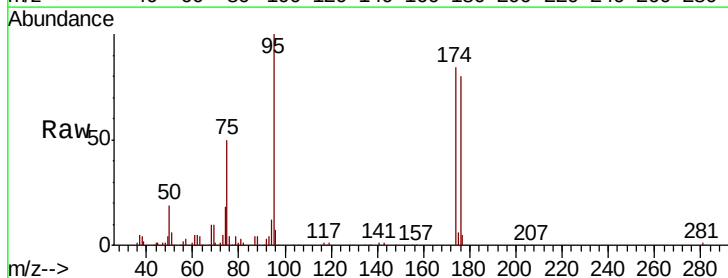
Tgt Ion: 75 Resp: 74690

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

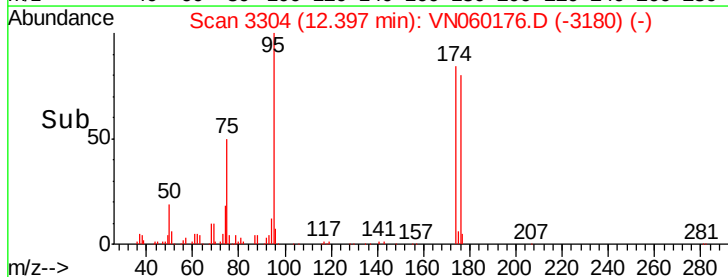
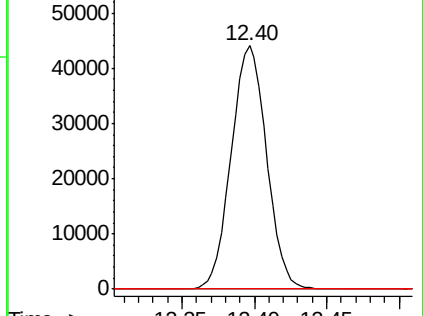
89 0.0 37.0 55.4#

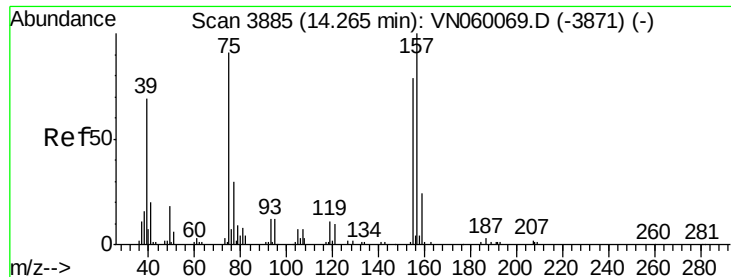


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3882

Delta R.T. -0.01 min

Lab File: VN060176.D

Acq: 20 Feb 2020 16:52

Instrument :

MSVOA_N

ClientSampleId :

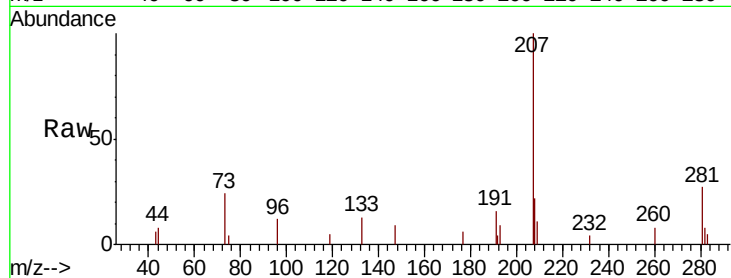
Tot Ion: 75 Resp: 59

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): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

