

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060094.D
 Acq On : 13 Feb 2020 14:59
 Operator : JC/MD
 Sample : PB126782ZHE#14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 14 04:56:53 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	189912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	300091	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	280717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	127452	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	111938	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
35) Dibromofluoromethane	7.57	113	90999	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	10.08	98	364573	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.40	95	129672	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	

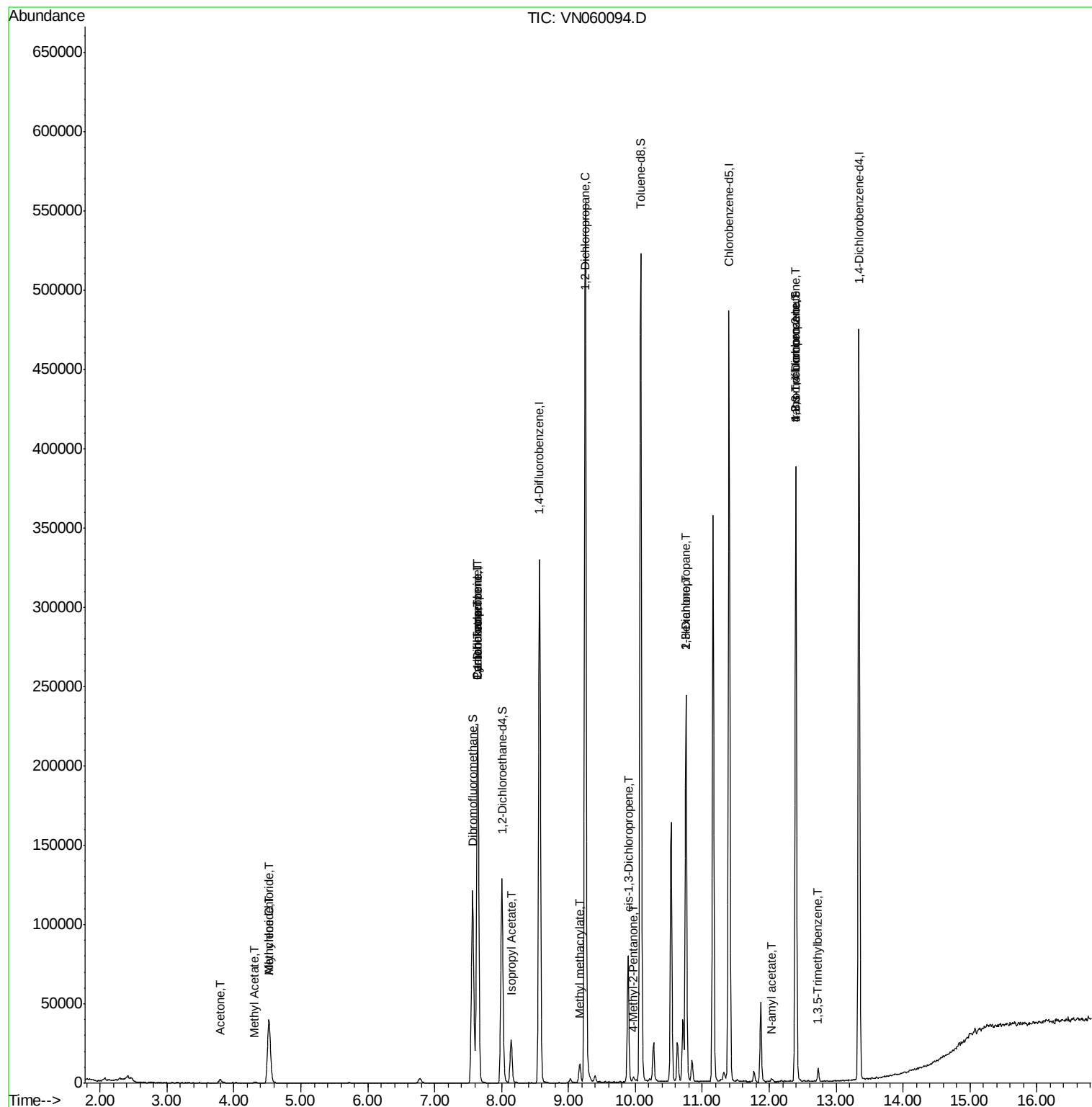
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.53	41	933	0.353	ug/l #	16
16) Acetone	3.79	43	4268	4.234	ug/l	95
18) Methyl Acetate	4.31	43	864	0.456	ug/l #	50
20) Methylene Chloride	4.52	84	31851	15.838	ug/l	98
31) Cyclohexane	7.64	56	3645	1.115	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13591	4.890	ug/l #	48
38) Carbon Tetrachloride	7.64	117	17705	5.865	ug/l #	15
43) Isopropyl Acetate	8.14	43	32231	7.506	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	619	0.303	ug/l #	43
48) Methyl methacrylate	9.17	41	1664	0.864	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	2317	0.932	ug/l #	75
54) cis-1,3-Dichloropropene	9.89	75	14909	4.277	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	2412	0.709	ug/l #	43
59) 2-Hexanone	10.75	43	36385	18.950	ug/l #	52
74) N-amyl acetate	12.03	43	969	0.282	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	67244	27.577	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5214	0.659	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	67244	67.522	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.28	75	29	Below Cal	#	1

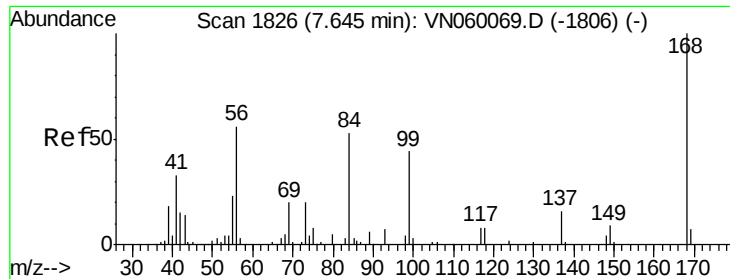
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060094.D

Acq: 13 Feb 2020 14:59

Instrument :

MSVOA_N

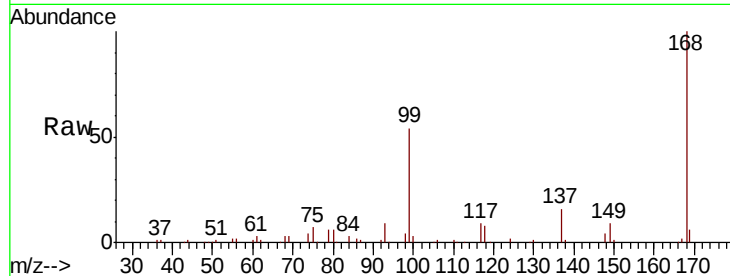
ClientSampled :

Tot Ion:168 Resp: 189912

Ion Ratio Lower Upper

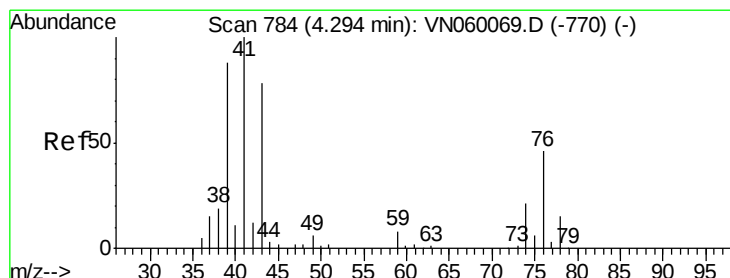
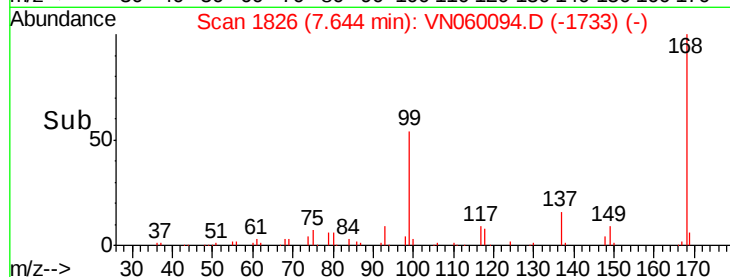
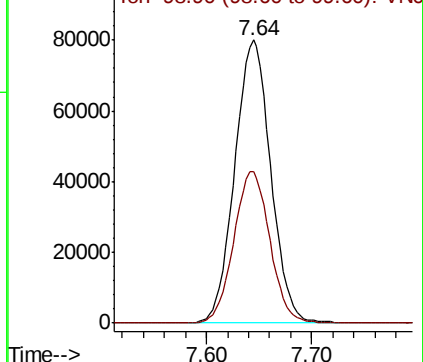
168 100

99 53.7 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#14

Allyl chloride

Concen: 0.353 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.23 min

Lab File: VN060094.D

Acq: 13 Feb 2020 14:59

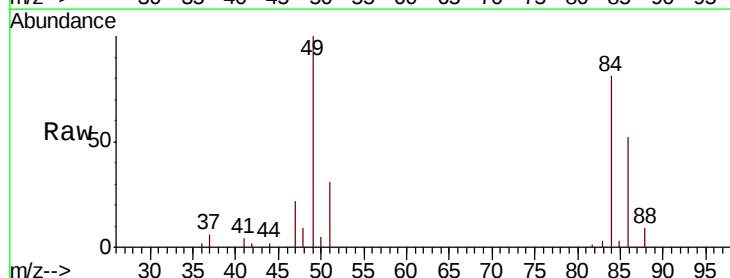
Tgt Ion: 41 Resp: 933

Ion Ratio Lower Upper

41 100

39 0.0 67.8 101.8#

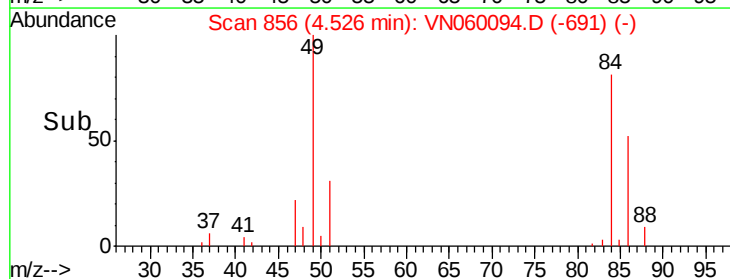
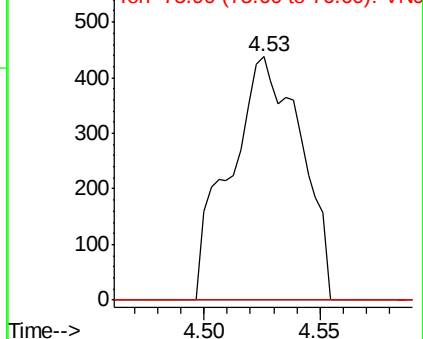
76 0.0 33.9 50.9#

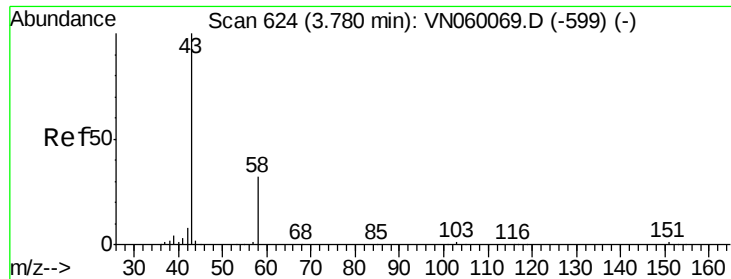


Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN





#16

Acetone

Concen: 4.234 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060094.D

Acq: 13 Feb 2020 14:59

Instrument :

MSVOA_N

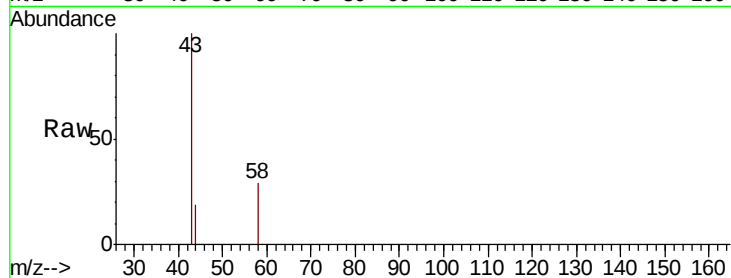
ClientSampleId :

Tot Ion: 43 Resp: 4268

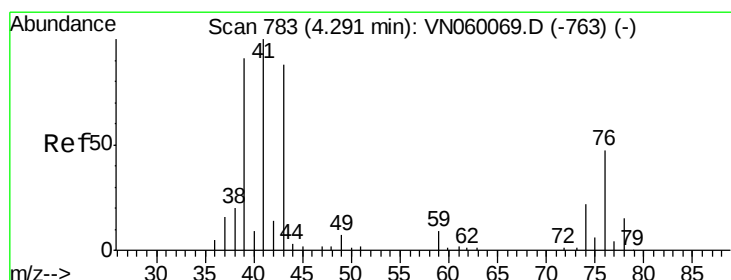
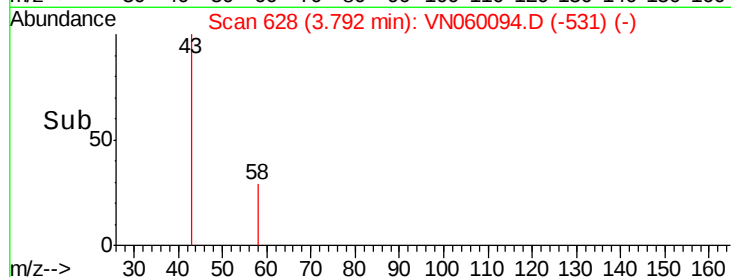
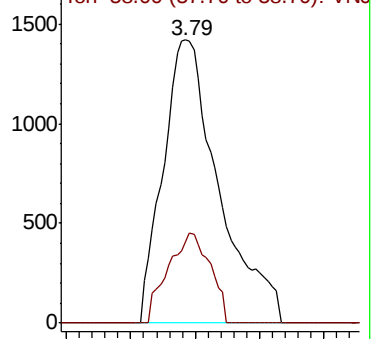
Ion Ratio Lower Upper

43 100

58 28.7 25.2 37.8



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



#18

Methyl Acetate

Concen: 0.456 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.02 min

Lab File: VN060094.D

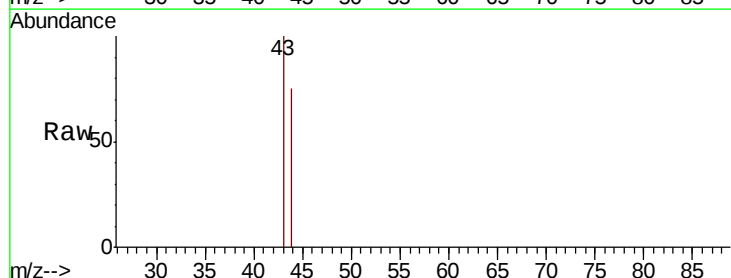
Acq: 13 Feb 2020 14:59

Tgt Ion: 43 Resp: 864

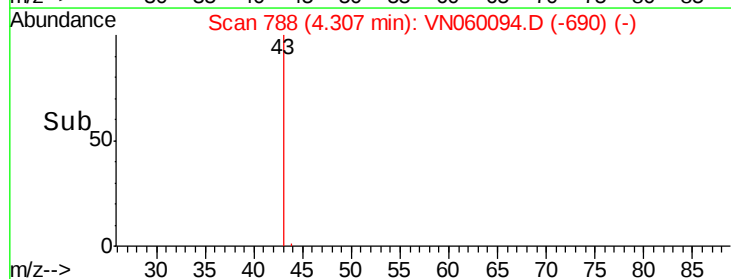
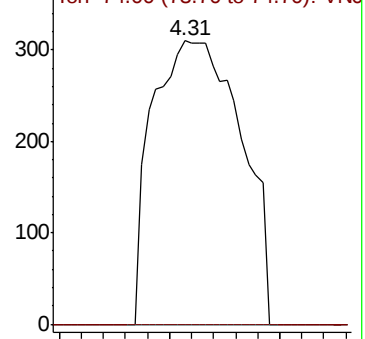
Ion Ratio Lower Upper

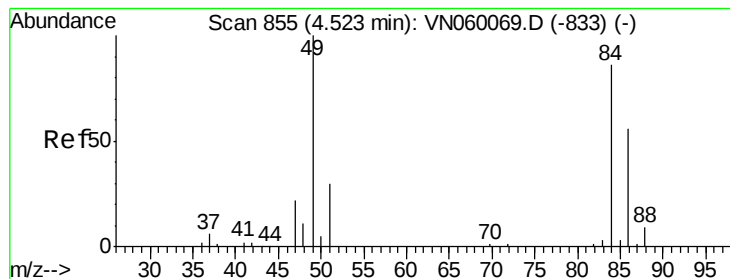
43 100

74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-763) (-)





#20

Methylene Chloride

Concen: 15.838 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN060094.D

Acq: 13 Feb 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 84 Resp: 31851

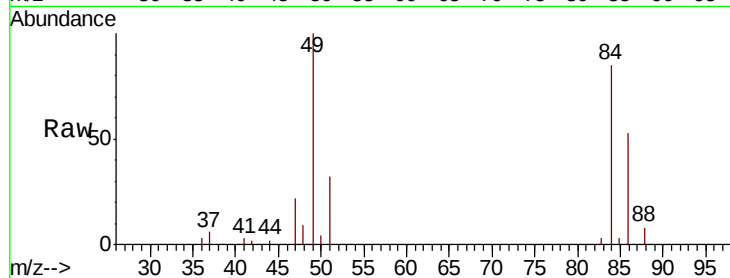
Ion Ratio Lower Upper

84 100

49 117.9 93.4 140.0

51 37.9 28.4 42.6

86 62.9 52.5 78.7

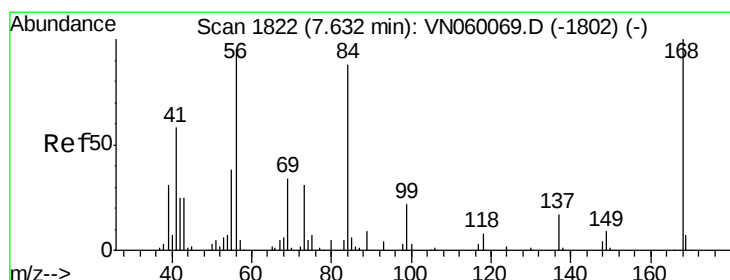
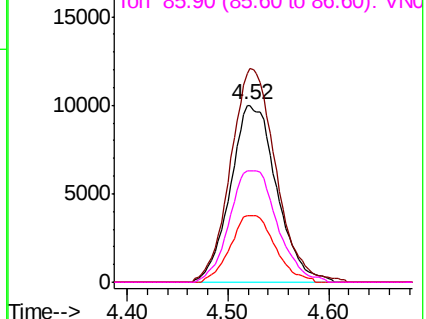
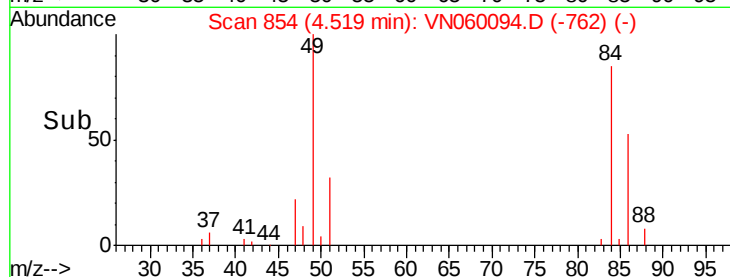


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 1.115 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060094.D

Acq: 13 Feb 2020 14:59

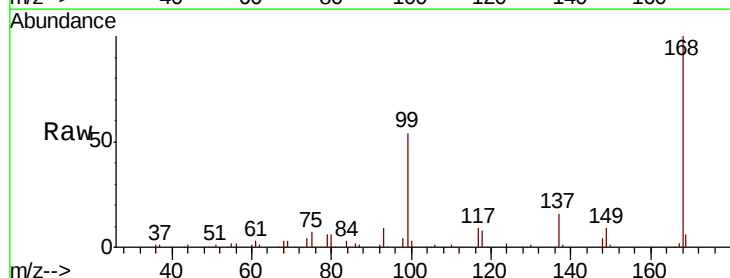
Tgt Ion: 56 Resp: 3645

Ion Ratio Lower Upper

56 100

69 174.0 28.3 42.5#

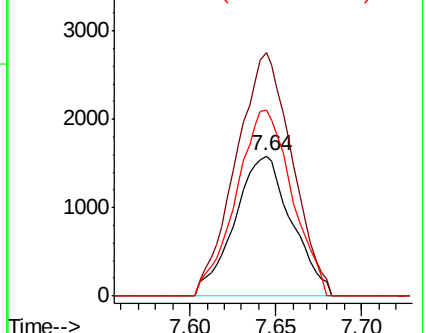
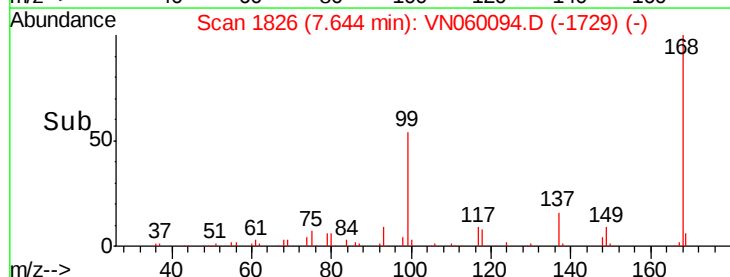
84 132.8 72.6 108.8#

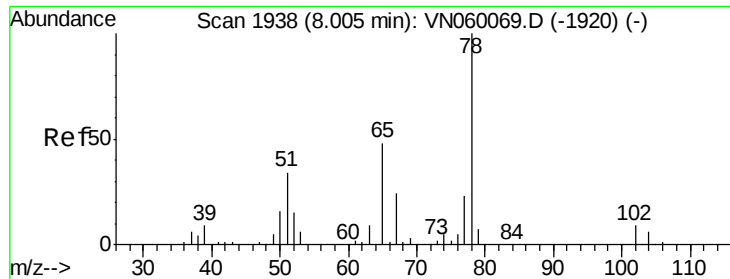


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

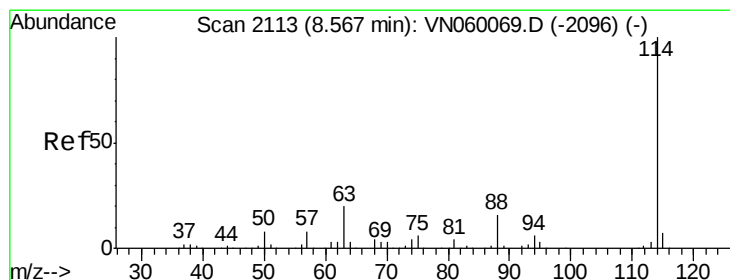
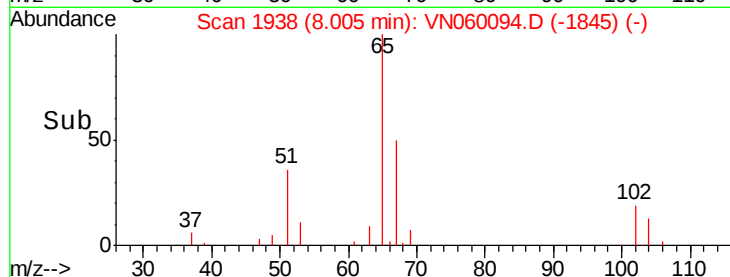
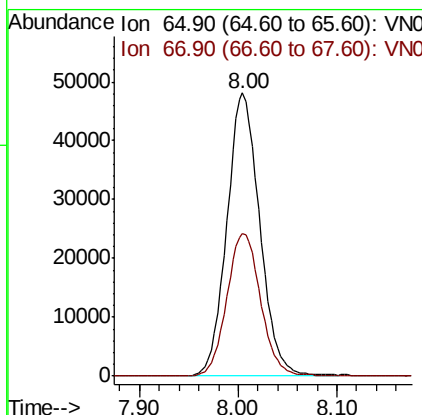
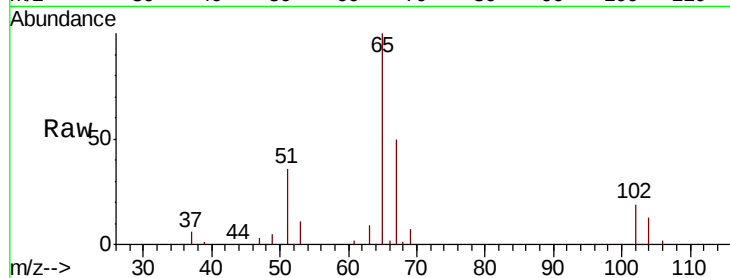




#33
 1,2-Dichloroethane-d4
 Concen: 48.439 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060094.D
 Acq: 13 Feb 2020 14:59

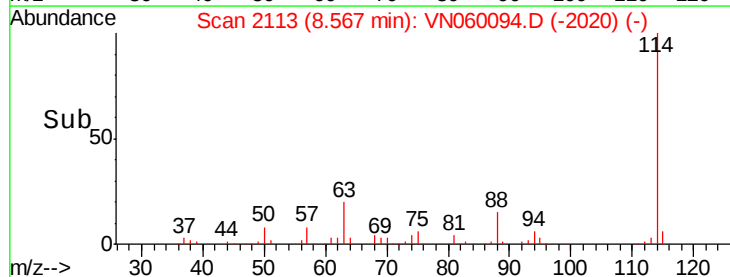
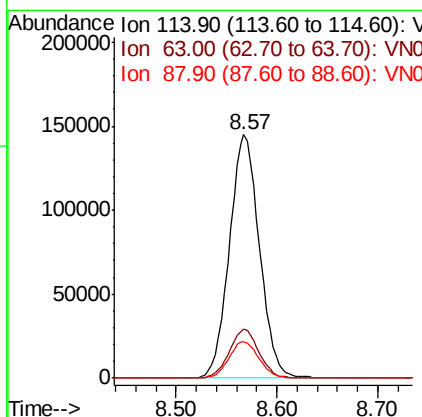
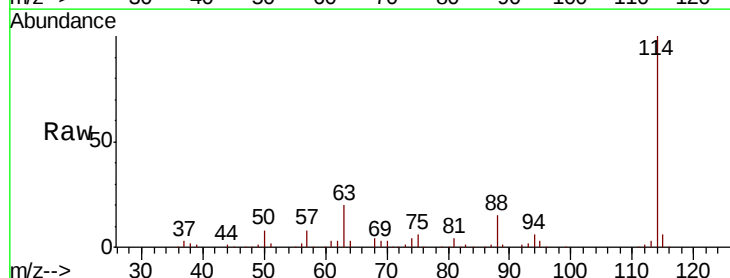
Instrument :
 MSVOA_N
 ClientSampleId :

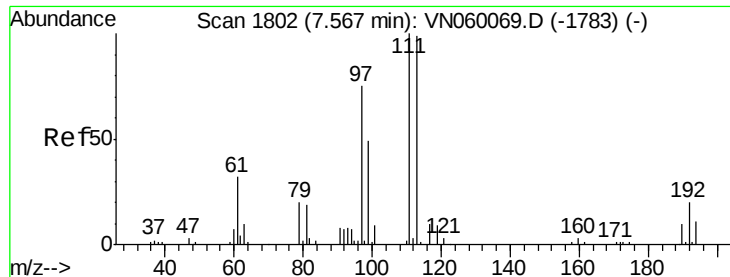
Tot Ion: 65 Resp: 111938
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060094.D
 Acq: 13 Feb 2020 14:59

Tgt Ion: 114 Resp: 300091
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.1 0.0 31.6

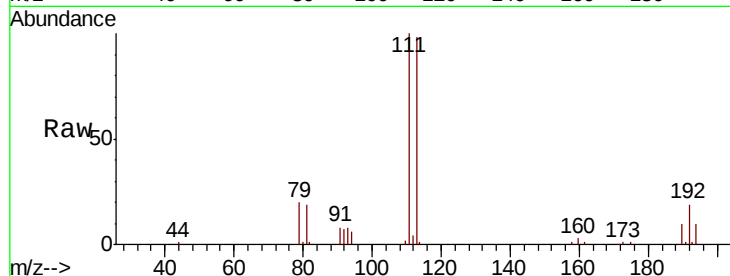




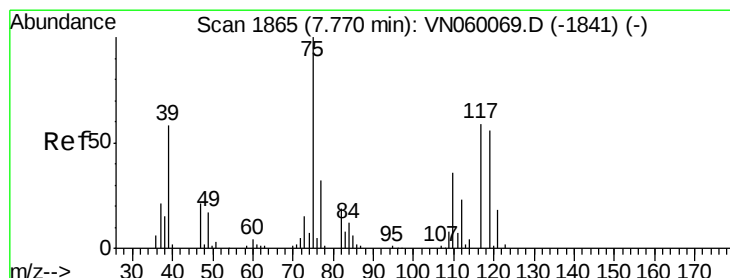
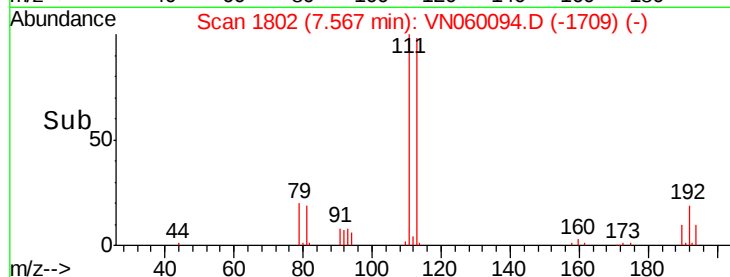
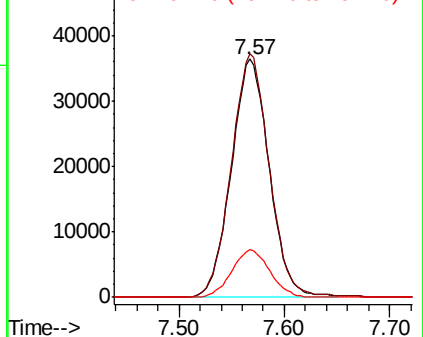
#35
 Dibromofluoromethane
 Concen: 49.331 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060094.D
 Acq: 13 Feb 2020 14:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 90999
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.2
 192 19.9 16.2 24.2

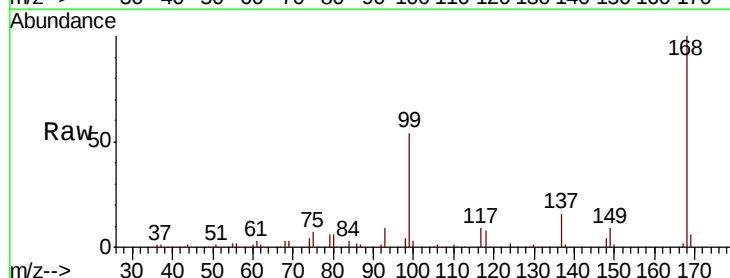


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

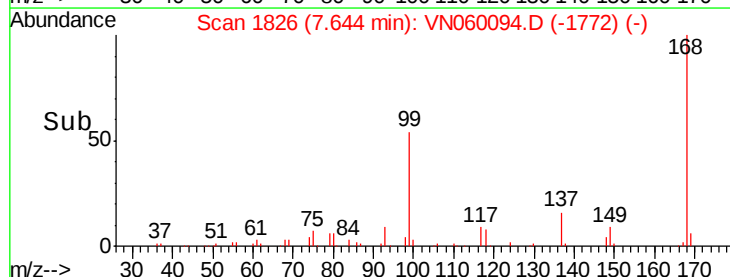
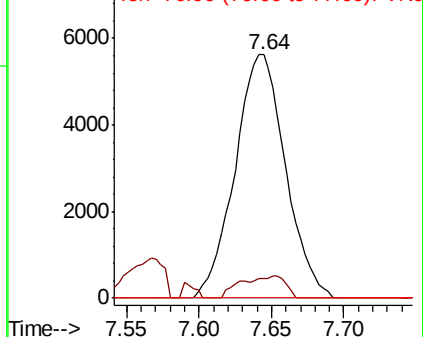


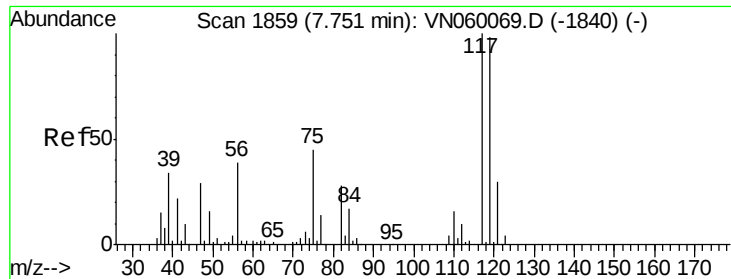
#36
 1,1-Dichloropropene
 Concen: 4.890 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060094.D
 Acq: 13 Feb 2020 14:59

Tgt Ion: 75 Resp: 13591
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.1 54.3#
 77 0.0 25.1 37.7#



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

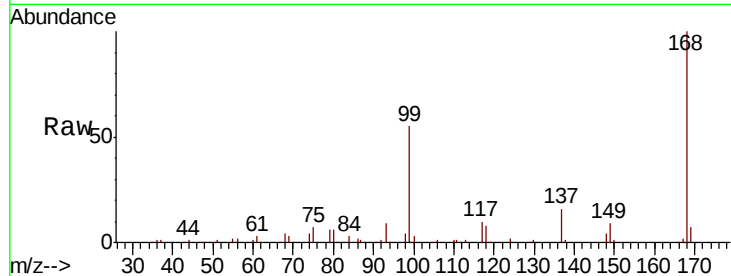




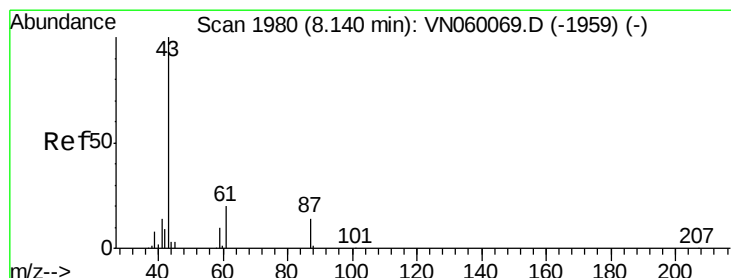
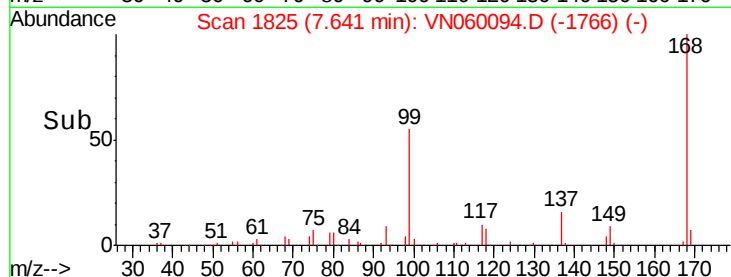
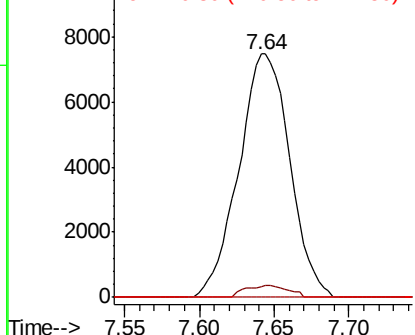
#38
Carbon Tetrachloride
Concen: 5.865 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060094.D
Acq: 13 Feb 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 17705
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.4#
121 0.0 24.2 36.2#

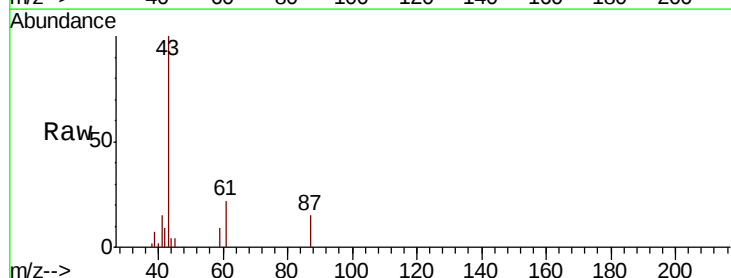


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

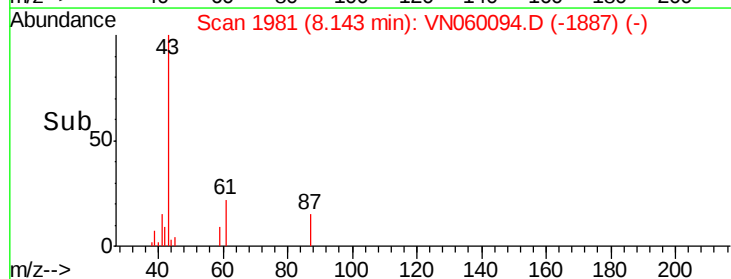
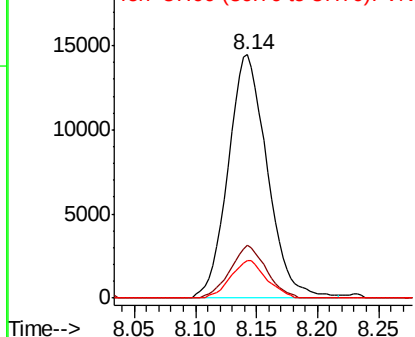


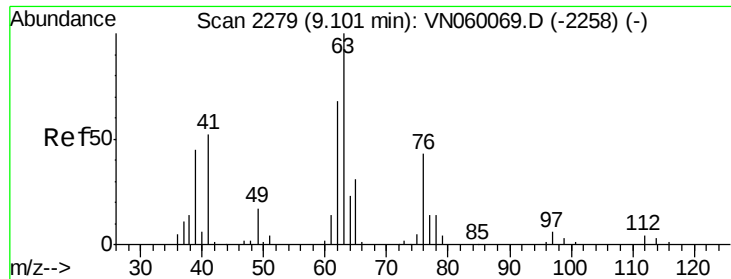
#43
Isopropyl Acetate
Concen: 7.506 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN060094.D
Acq: 13 Feb 2020 14:59

Tgt Ion: 43 Resp: 32231
Ion Ratio Lower Upper
43 100
61 19.9 21.8 32.6#
87 14.0 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

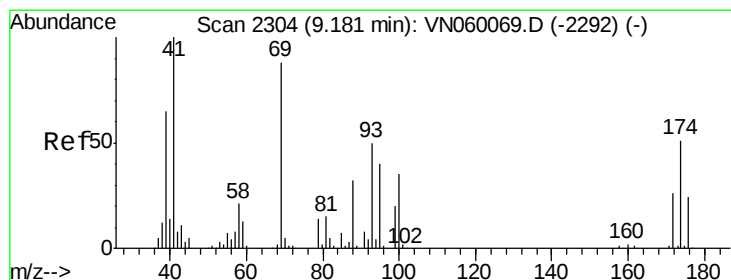
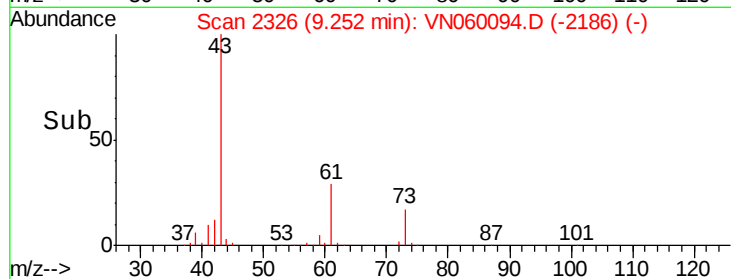
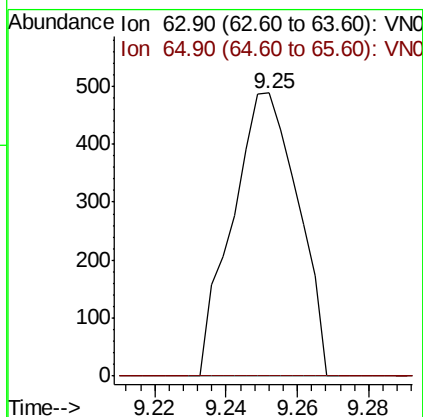
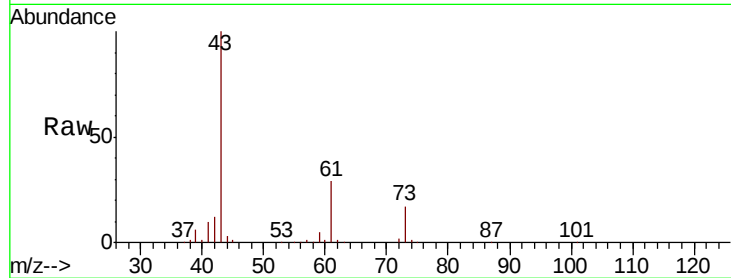




#45
 1,2-Dichloropropane
 Concen: 0.303 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN060094.D
 Acq: 13 Feb 2020 14:59

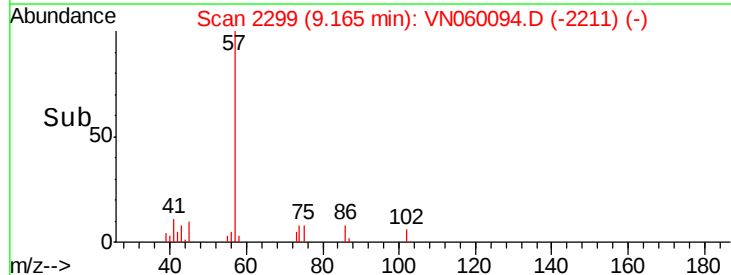
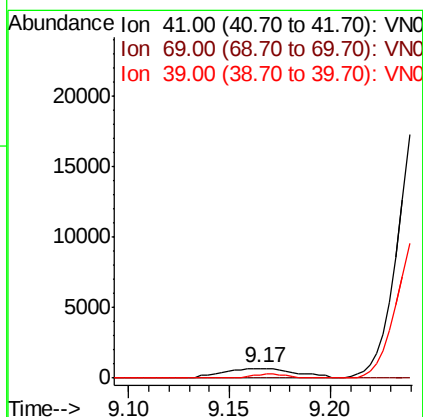
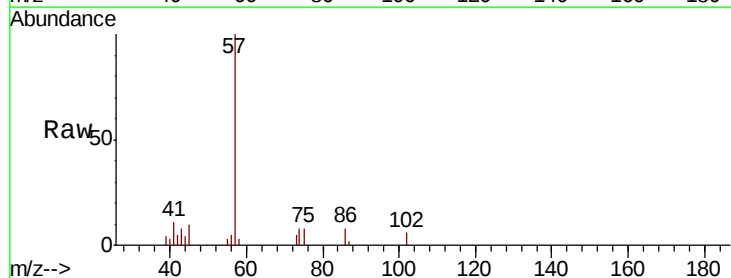
Instrument :
 MSVOA_N
 ClientSampled :

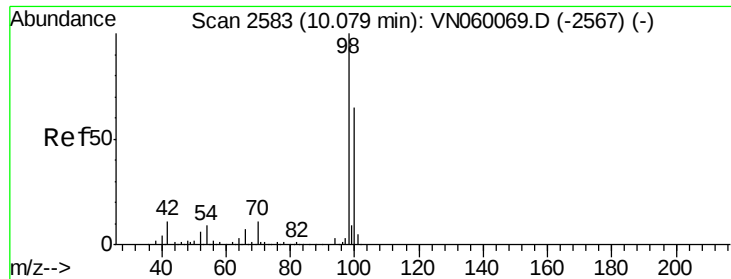
Tot Ion: 63 Resp: 619
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 0.864 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: VN060094.D
 Acq: 13 Feb 2020 14:59

Tgt Ion: 41 Resp: 1664
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.0 108.0#
 39 0.0 54.1 81.1#





#50

Toluene-d8

Concen: 50.188 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060094.D

Acq: 13 Feb 2020 14:59

Instrument :

MSVOA_N

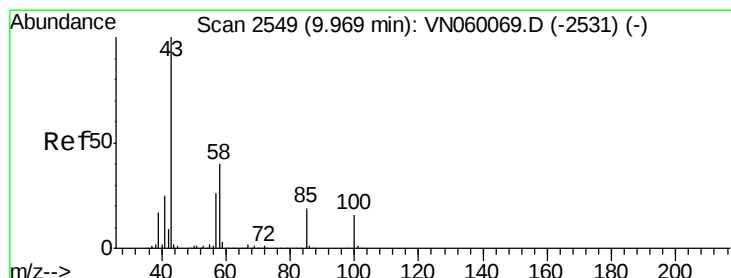
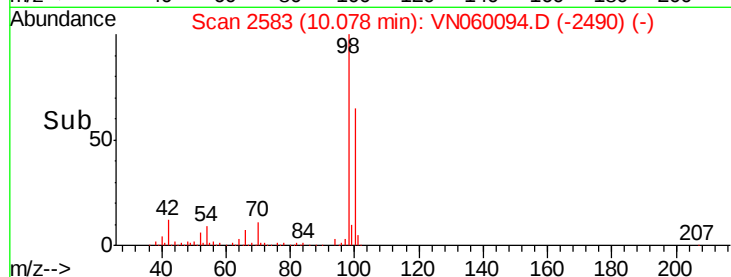
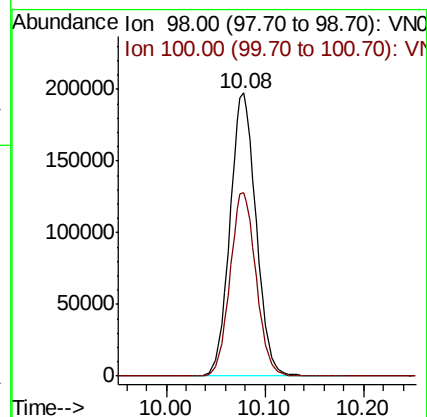
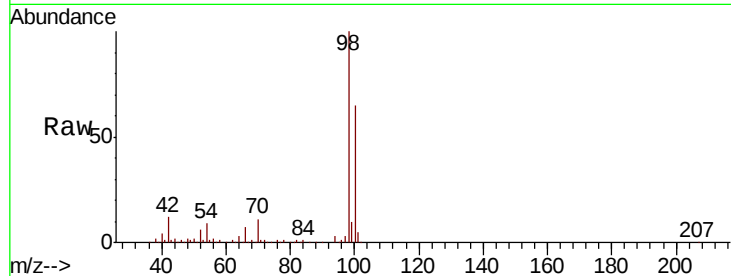
ClientSampled :

Tot Ion: 98 Resp: 364573

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.932 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060094.D

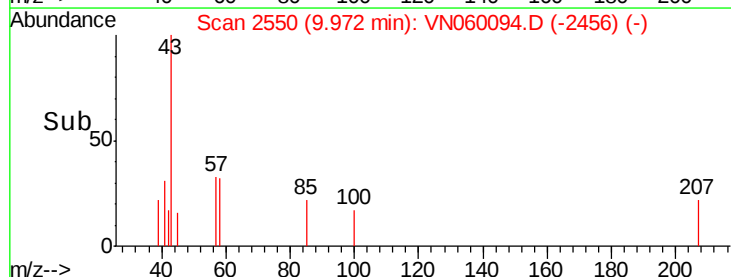
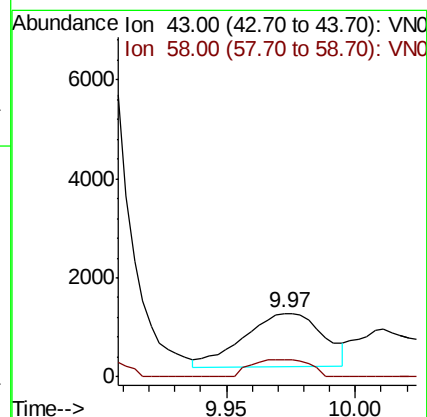
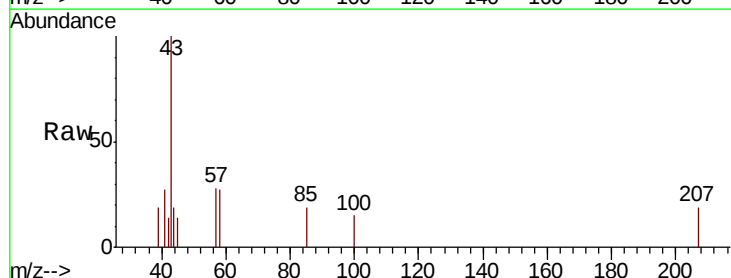
Acq: 13 Feb 2020 14:59

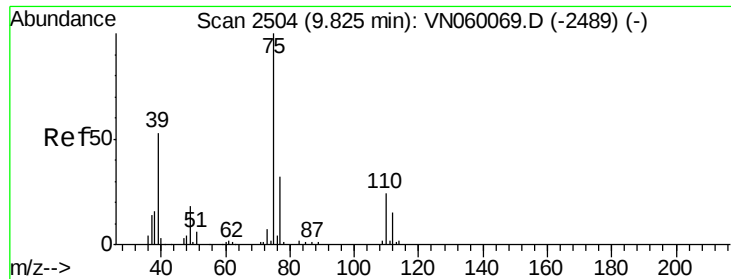
Tgt Ion: 43 Resp: 2317

Ion Ratio Lower Upper

43 100

58 24.2 31.8 47.8#

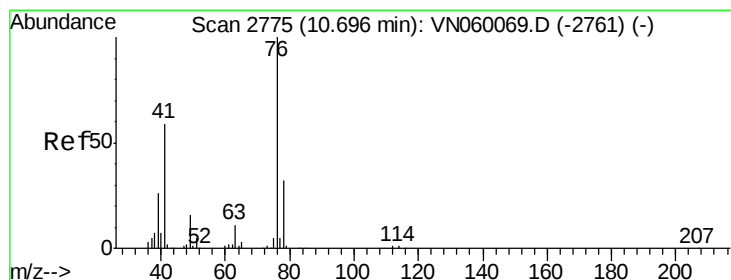
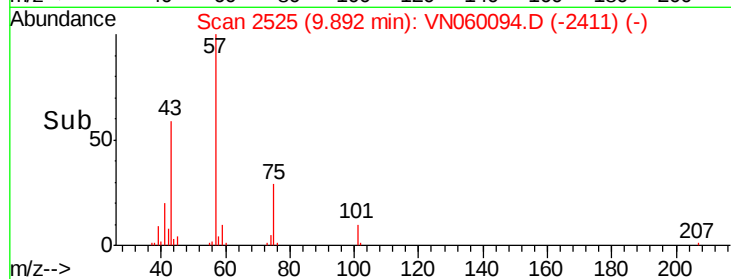
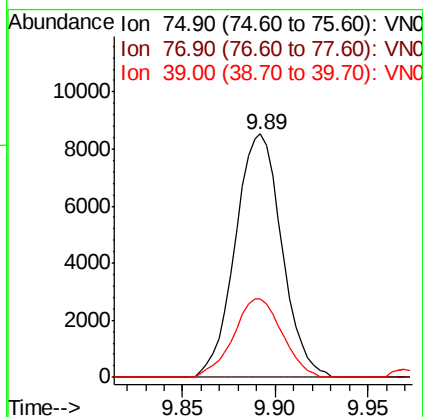
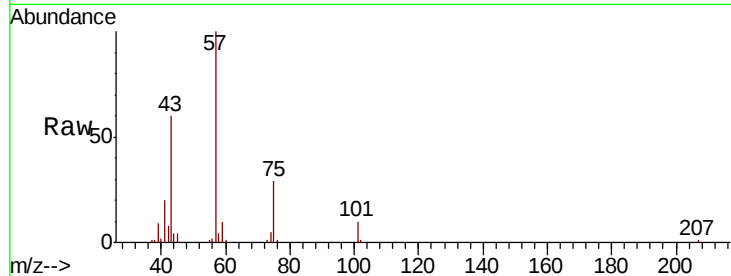




#54
 cis-1,3-Dichloropropene
 Concen: 4.277 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN060094.D
 Acq: 13 Feb 2020 14:59

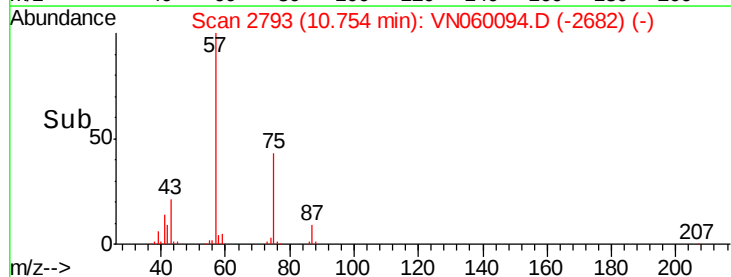
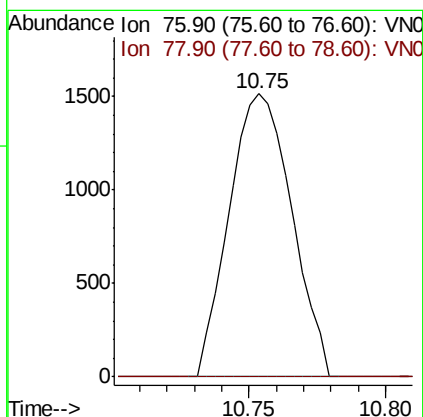
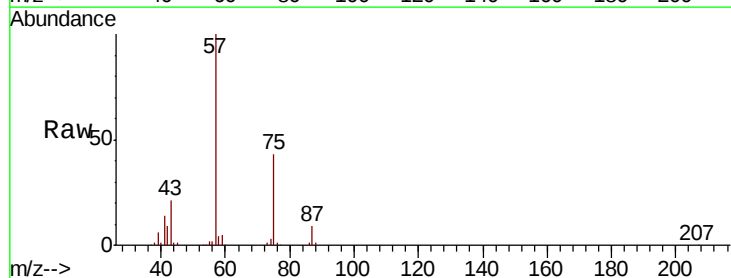
Instrument :
 MSVOA_N
 ClientSampled :

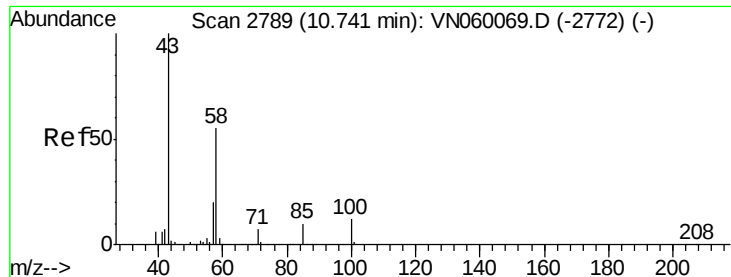
Tot Ion: 75 Resp: 14909
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#
 39 32.3 42.2 63.4#



#57
 1,3-Dichloropropane
 Concen: 0.709 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060094.D
 Acq: 13 Feb 2020 14:59

Tgt Ion: 76 Resp: 2412
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

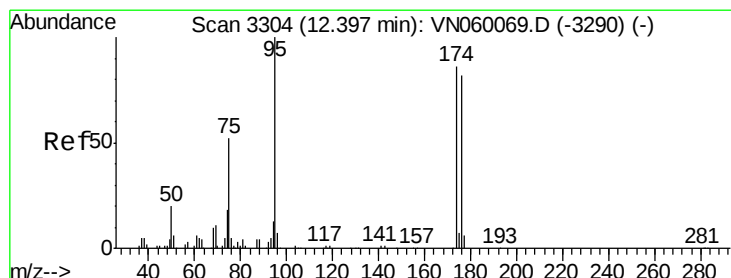
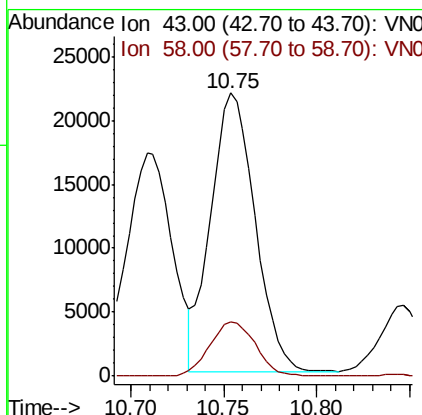
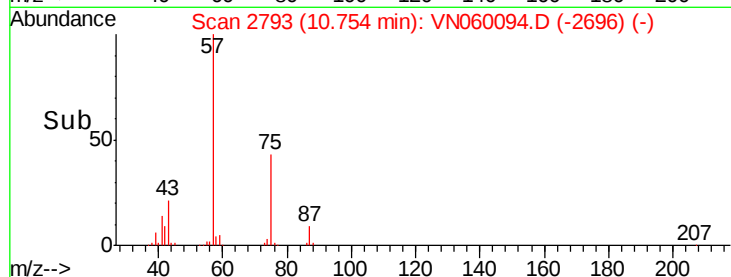
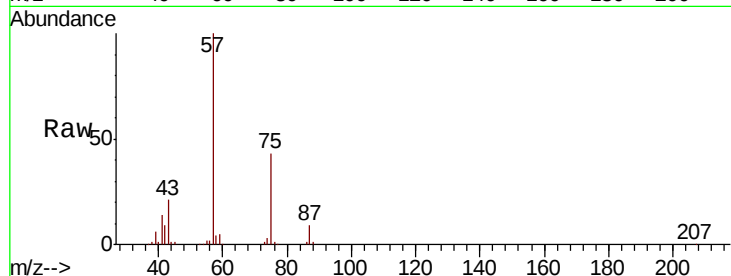




#59
2-Hexanone
Concen: 18.950 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060094.D
Acq: 13 Feb 2020 14:59

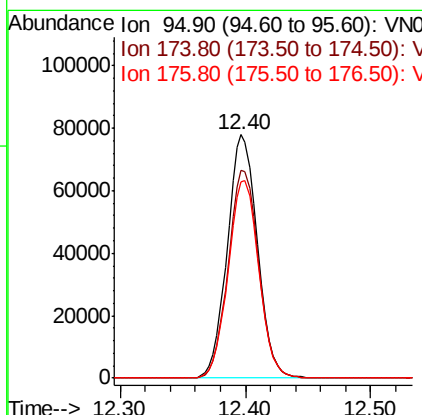
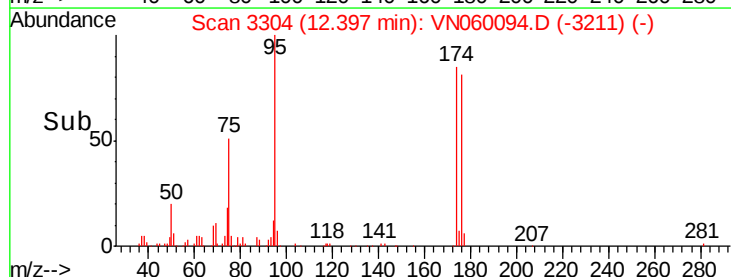
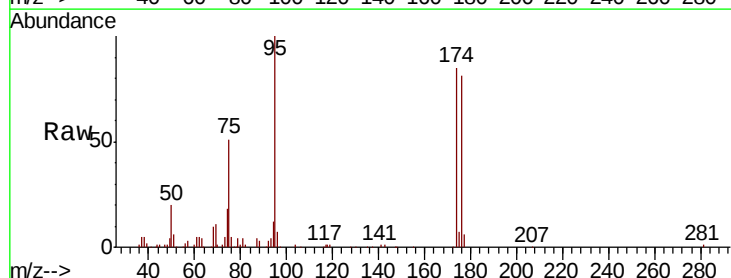
Instrument :
MSVOA_N
ClientSampled :

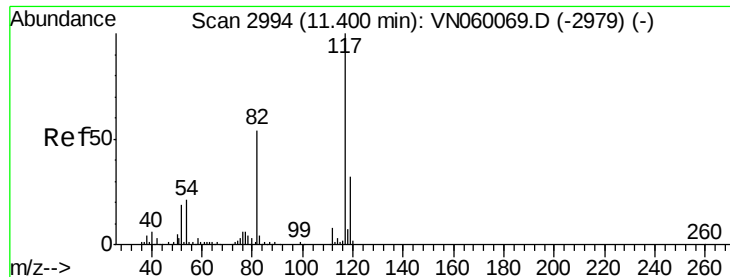
Tot Ion: 43 Resp: 36385
Ion Ratio Lower Upper
43 100
58 20.0 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 48.580 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060094.D
Acq: 13 Feb 2020 14:59

Tgt Ion: 95 Resp: 129672
Ion Ratio Lower Upper
95 100
174 86.4 0.0 169.8
176 82.6 0.0 164.8

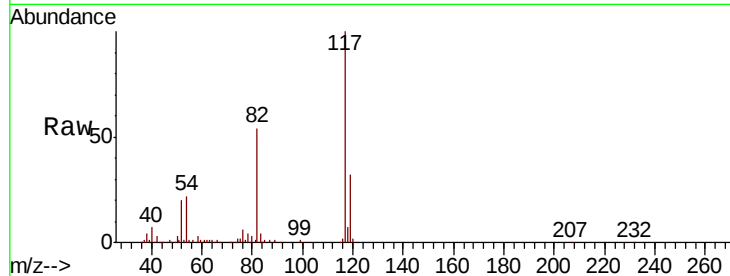




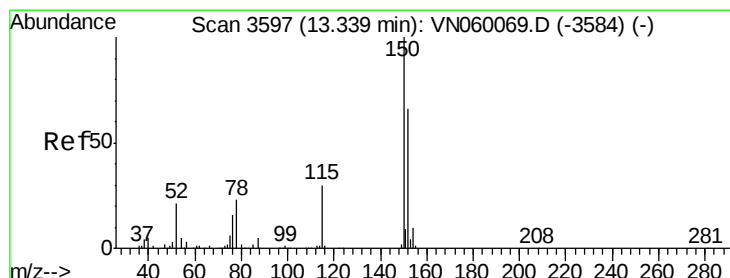
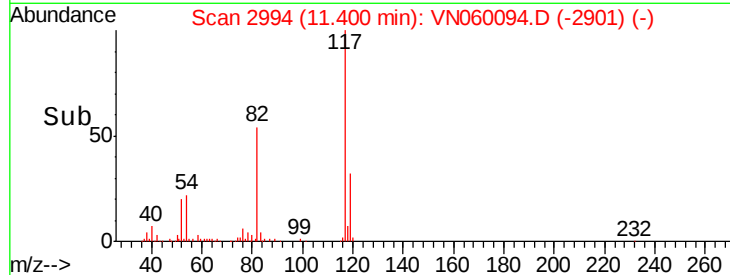
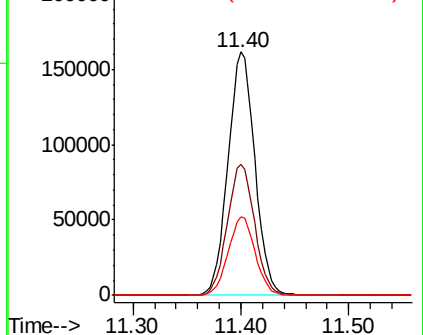
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060094.D
Acq: 13 Feb 2020 14:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.4	65.0
119	32.2	25.8	38.6

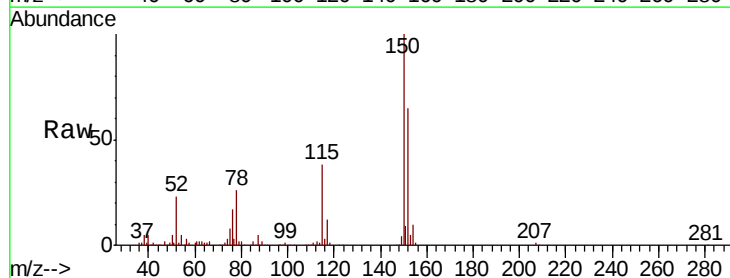


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

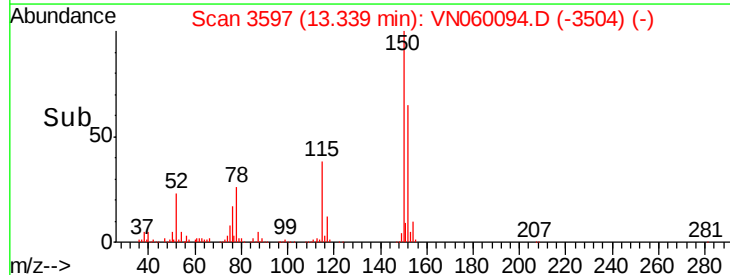
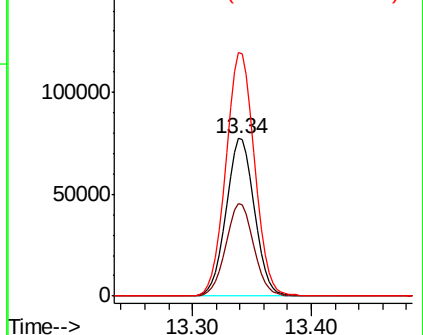


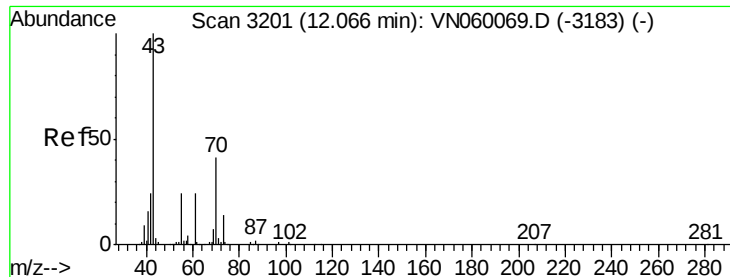
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060094.D
Acq: 13 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.9	86.8
150	156.5	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: 0.282 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN060094.D

Acq: 13 Feb 2020 14:59

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 969

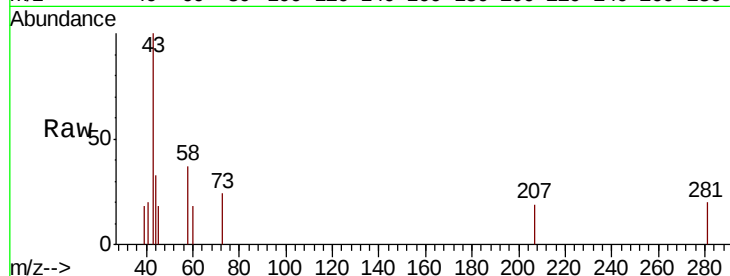
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 18.8 28.2#

61 0.0 19.2 28.8#

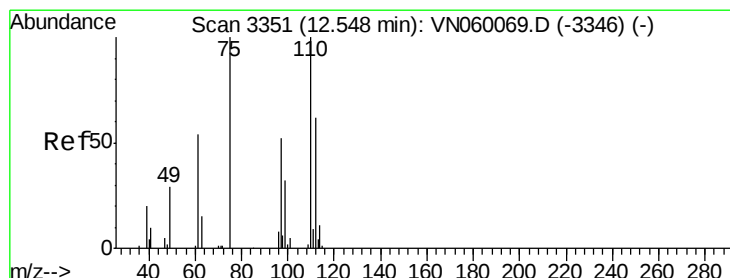
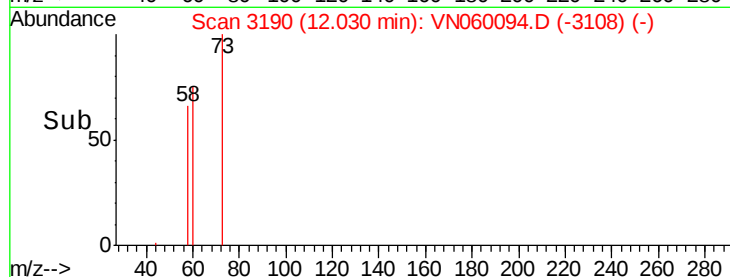
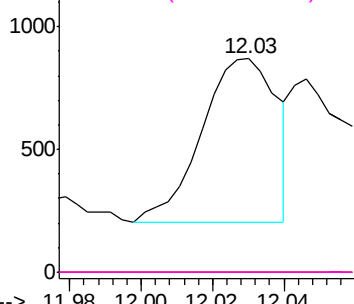


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 27.577 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060094.D

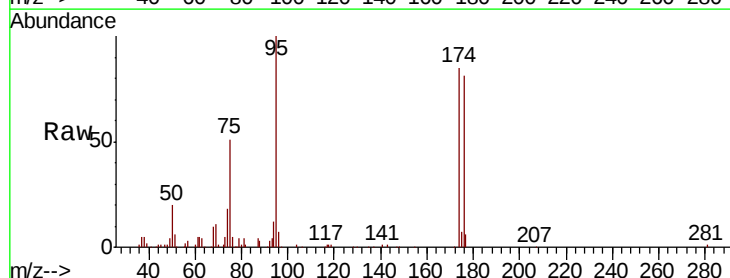
Acq: 13 Feb 2020 14:59

Tgt Ion: 75 Resp: 67244

Ion Ratio Lower Upper

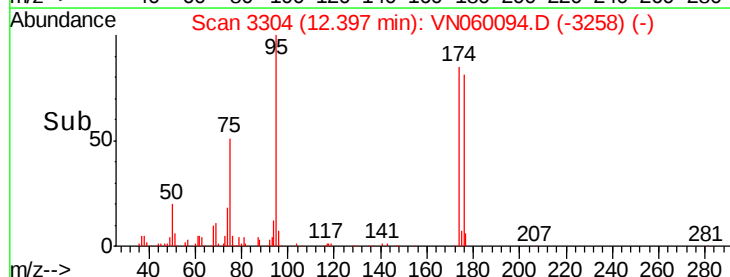
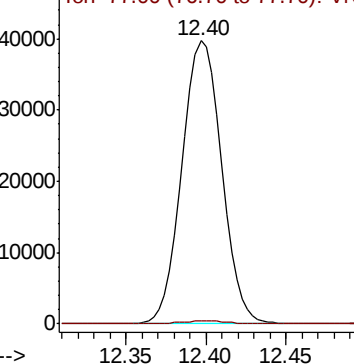
75 100

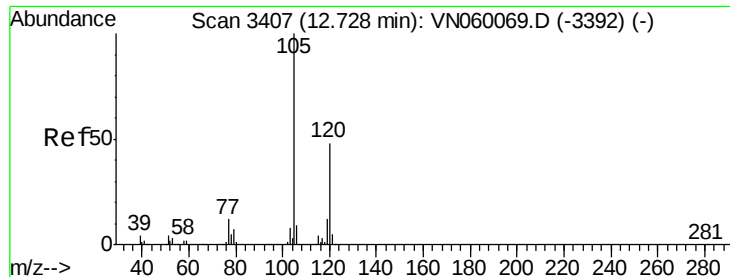
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

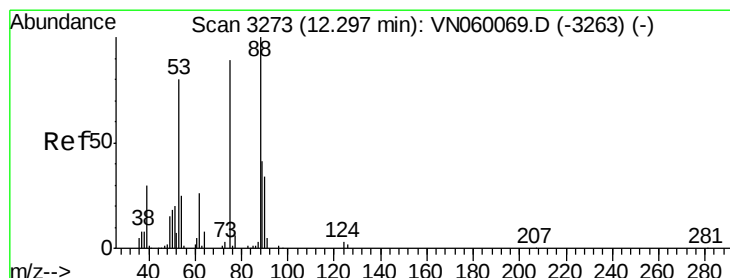
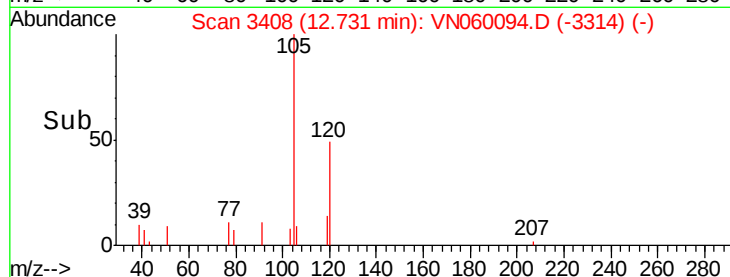
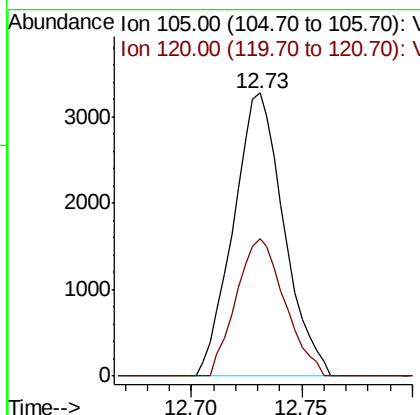
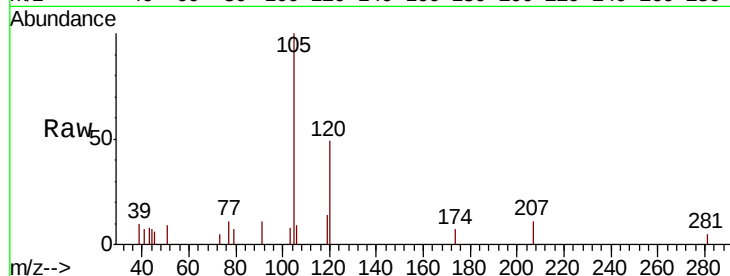




#80
 1,3,5-Trimethylbenzene
 Concen: 0.659 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060094.D
 Acq: 13 Feb 2020 14:59

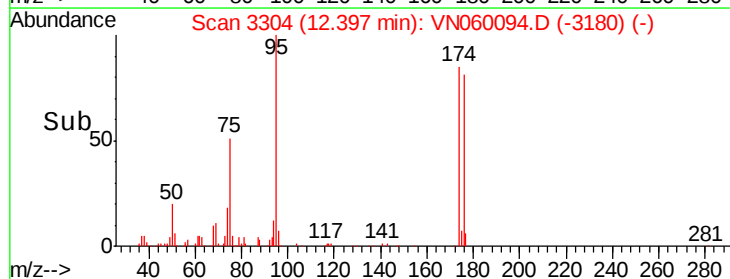
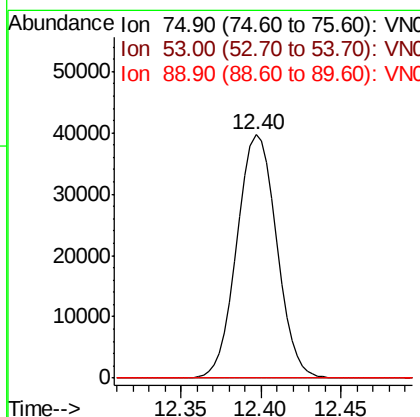
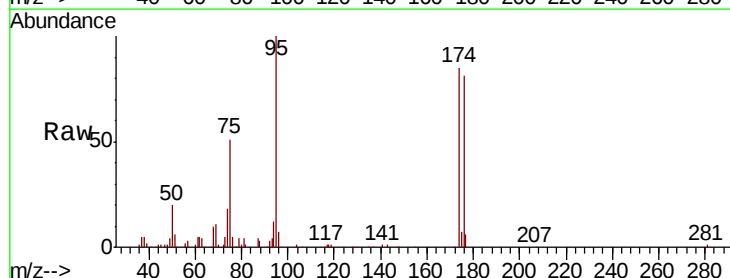
Instrument :
 MSVOA_N
 ClientSampled :

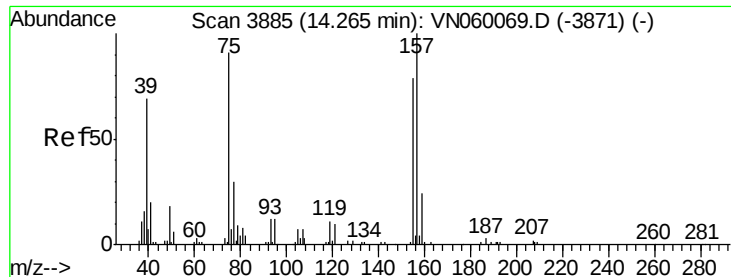
Tot Ion:105 Resp: 5214
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.522 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060094.D
 Acq: 13 Feb 2020 14:59

Tgt Ion: 75 Resp: 67244
 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: 14.28 min Scan# 3889

Delta R.T. 0.01 min

Lab File: VN060094.D

Acq: 13 Feb 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

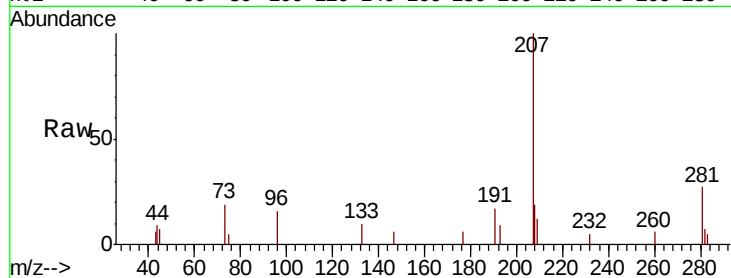
Tot Ion: 75 Resp: 29

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): VN060094.D (-3871) (-)

Ion 154.80 (154.50 to 155.50): VN060094.D (-3871) (-)

Ion 156.80 (156.50 to 157.50): VN060094.D (-3871) (-)

