

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060042.D
 Acq On : 10 Feb 2020 13:40
 Operator : JC/MD
 Sample : L1456-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 11 07:08:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	312500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	289561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	129816	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	114714	51.63	ug/l	0.00
Spiked Amount						
			Recovery	=	103.26%	
35) Dibromofluoromethane	7.57	113	95110	51.04	ug/l	0.00
Spiked Amount						
			Recovery	=	102.08%	
50) Toluene-d8	10.08	98	375519	52.01	ug/l	0.00
Spiked Amount						
			Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.40	95	134666	51.74	ug/l	0.00
Spiked Amount						
			Recovery	=	103.48%	

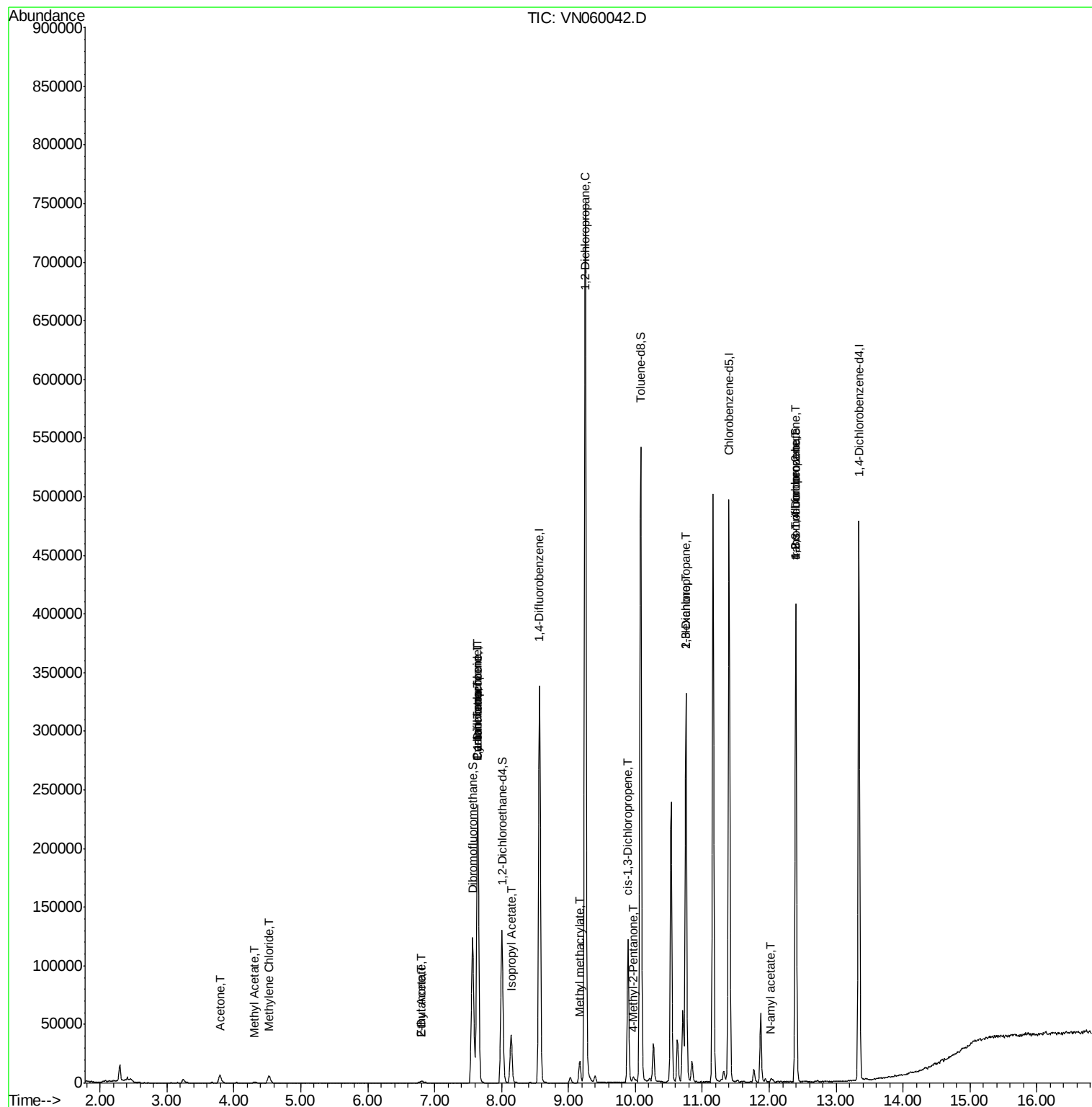
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	12075	6.169	ug/l	96
18) Methyl Acetate	4.30	43	1194	0.460	ug/l #	54
20) Methylene Chloride	4.53	84	4873	1.160	ug/l	88
25) 2-Butanone	6.81	43	1161	0.923	ug/l #	50
31) Cyclohexane	7.64	56	3829	1.165	ug/l #	10
36) 1,1-Dichloropropene	7.64	75	14133	5.193	ug/l #	50
37) Ethyl Acetate	6.81	43	1161	0.455	ug/l #	69
38) Carbon Tetrachloride	7.64	117	18865	6.373	ug/l #	15
43) Isopropyl Acetate	8.14	43	48577	11.065	ug/l	92
45) 1,2-Dichloropropane	9.25	63	797	0.397	ug/l #	44
48) Methyl methacrylate	9.17	41	2843	1.448	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3083	1.215	ug/l	97
54) cis-1,3-Dichloropropene	9.89	75	22193	6.617	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	3493	1.084	ug/l #	42
59) 2-Hexanone	10.75	43	47811	25.572	ug/l #	55
74) N-amyl acetate	12.03	43	2511	0.680	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	69173	31.663	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	69173	67.996	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.29	75	32	Below Cal	#	6

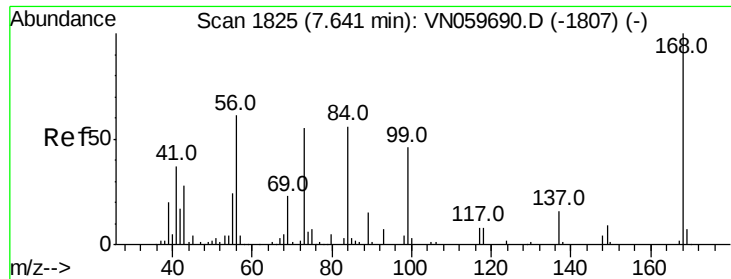
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 11 07:08:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 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: VN060042.D

Acq: 10 Feb 2020 13:40

Instrument :

MSVOA_N

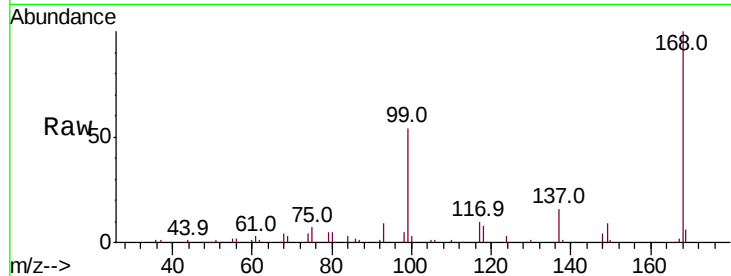
ClientSampleId :

Tot Ion:168 Resp: 200088

Ion Ratio Lower Upper

168 100

99 54.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

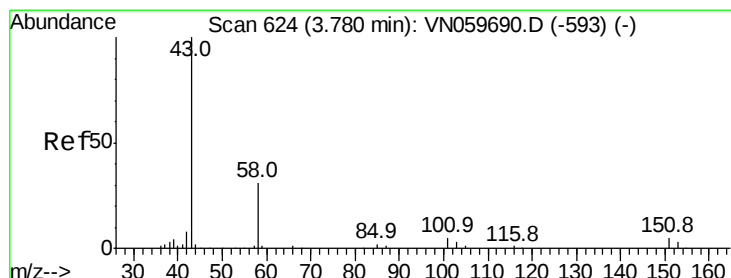
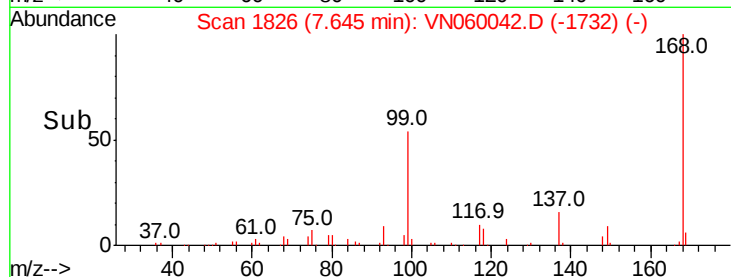
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 6.169 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060042.D

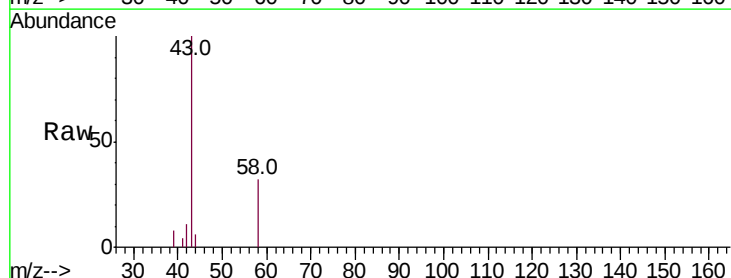
Acq: 10 Feb 2020 13:40

Tgt Ion: 43 Resp: 12075

Ion Ratio Lower Upper

43 100

58 31.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

5000

4000

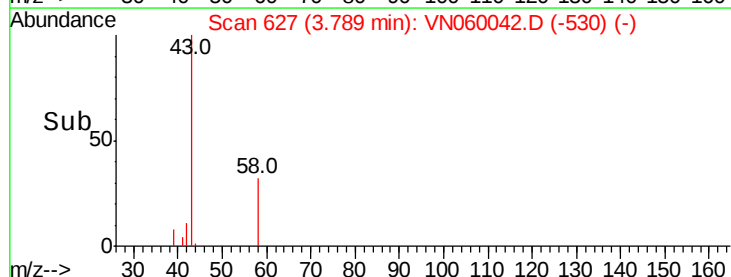
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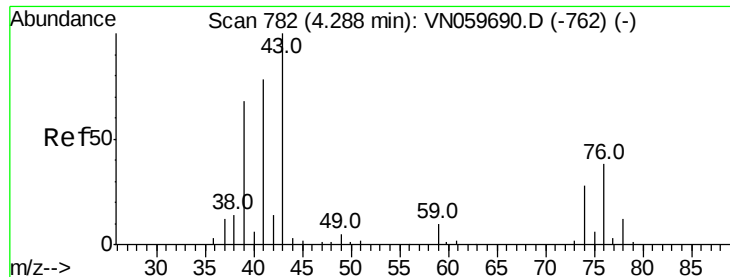
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1000

0

Time--> 3.70 3.80 3.90

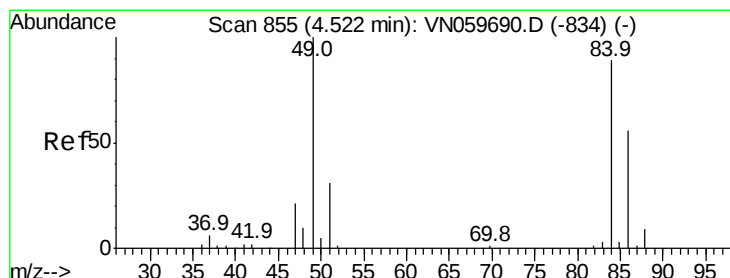
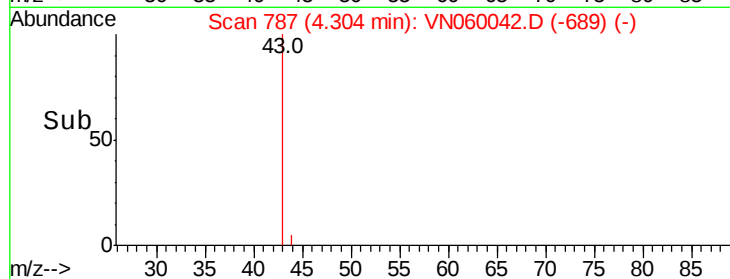
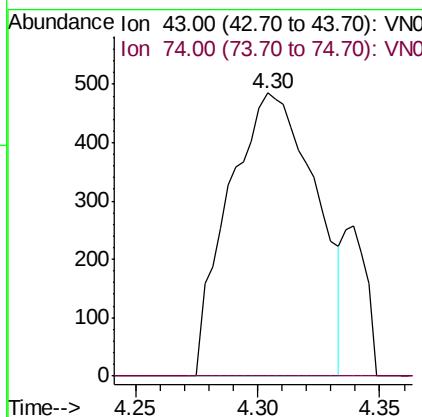
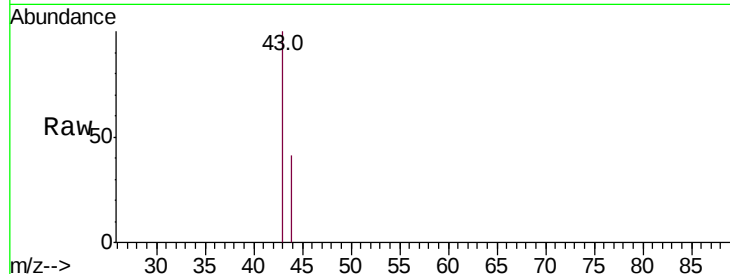




#18
Methyl Acetate
Concen: 0.460 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN060042.D
Acq: 10 Feb 2020 13:40

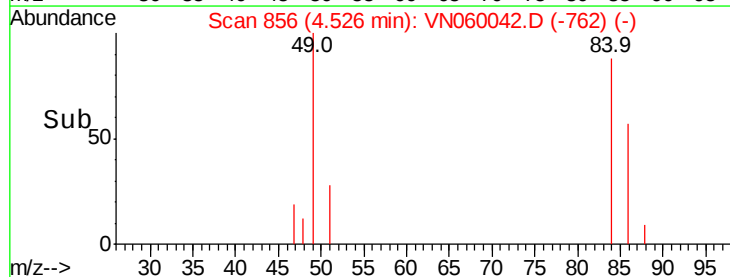
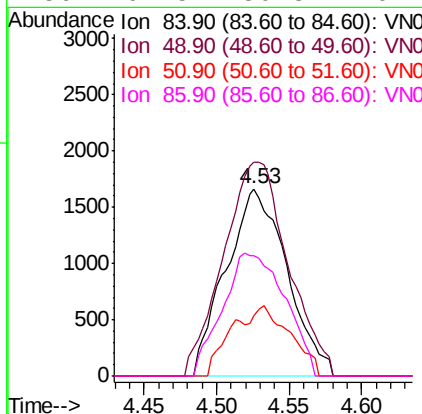
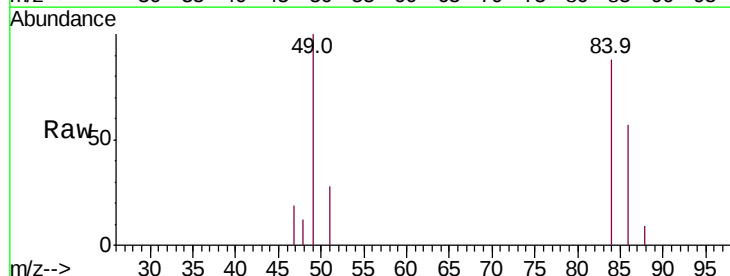
Instrument :
MSVOA_N
ClientSampled :

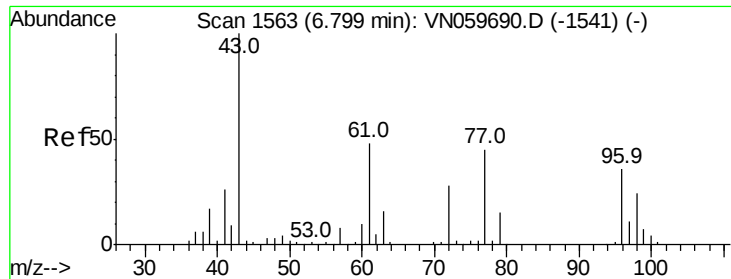
Tot Ion: 43 Resp: 1194
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.160 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060042.D
Acq: 10 Feb 2020 13:40

Tgt Ion: 84 Resp: 4873
Ion Ratio Lower Upper
84 100
49 113.9 106.6 160.0
51 32.0 31.9 47.9
86 64.5 50.8 76.2

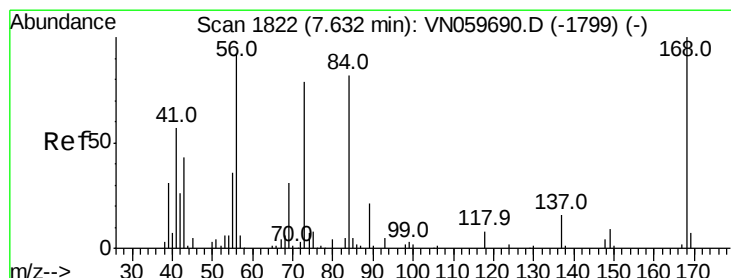
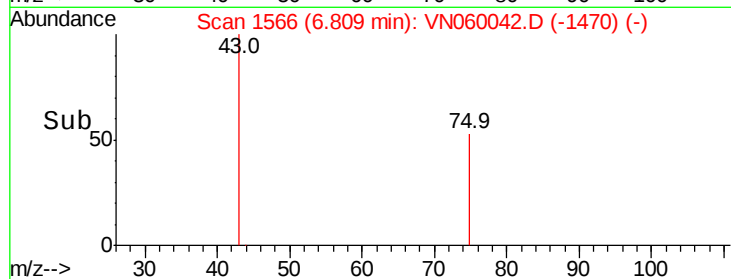
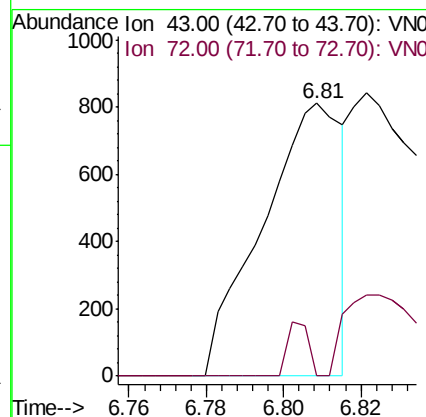
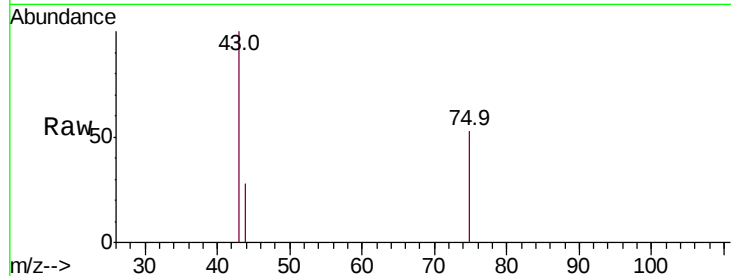




#25
2-Butanone
Concen: 0.923 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060042.D
Acq: 10 Feb 2020 13:40

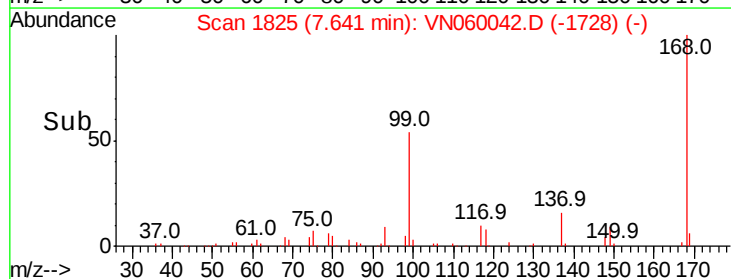
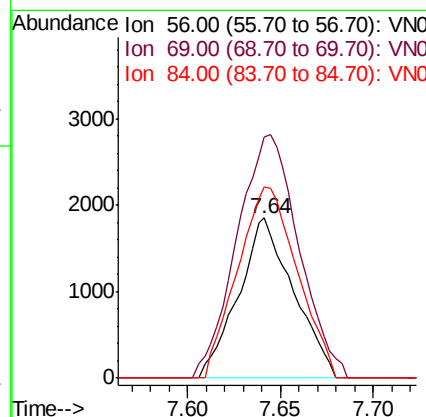
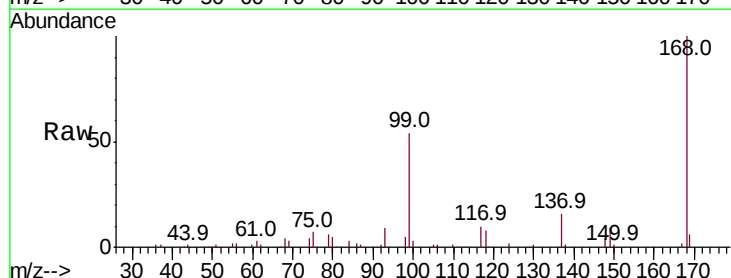
Instrument :
MSVOA_N
ClientSampled :

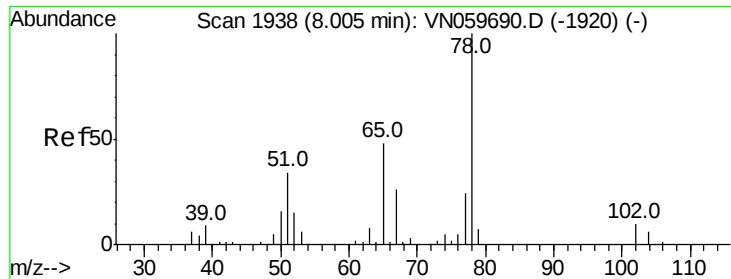
Tot Ion: 43 Resp: 1161
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.165 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060042.D
Acq: 10 Feb 2020 13:40

Tgt Ion: 56 Resp: 3829
Ion Ratio Lower Upper
56 100
69 150.8 26.5 39.7#
84 118.9 65.3 97.9#

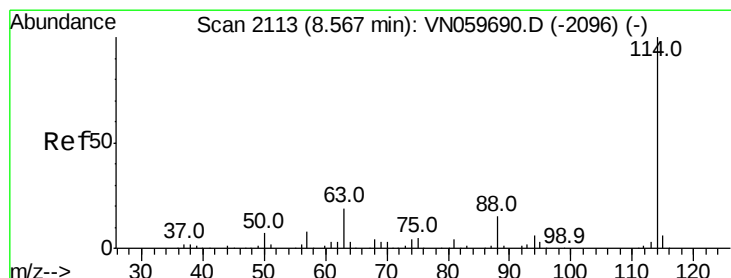
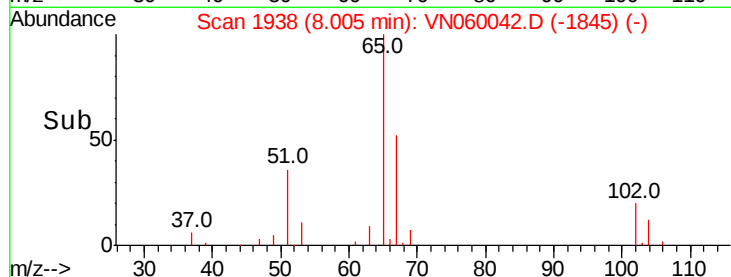
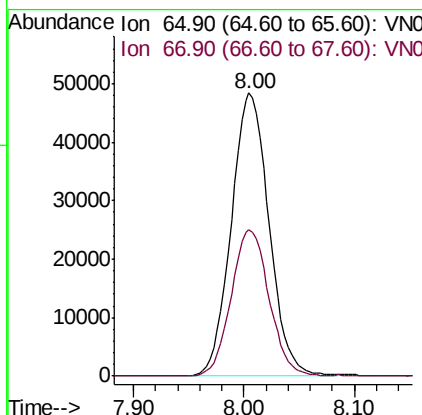
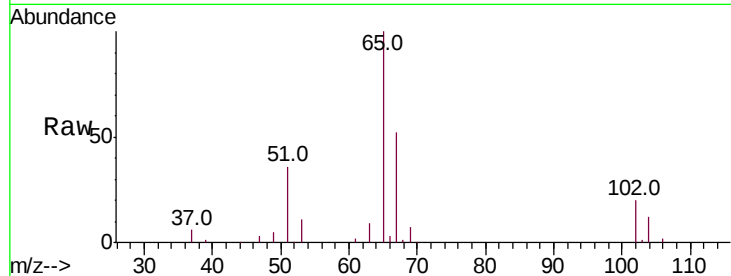




#33
 1,2-Dichloroethane-d4
 Concen: 51.626 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060042.D
 Acq: 10 Feb 2020 13:40

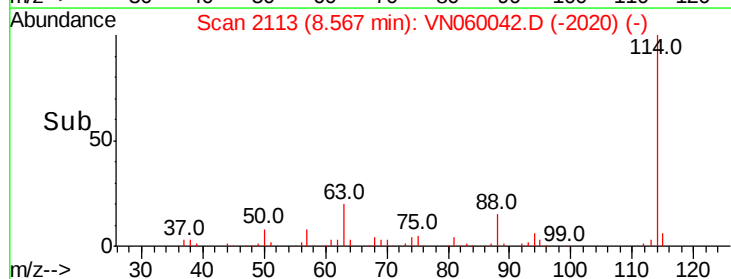
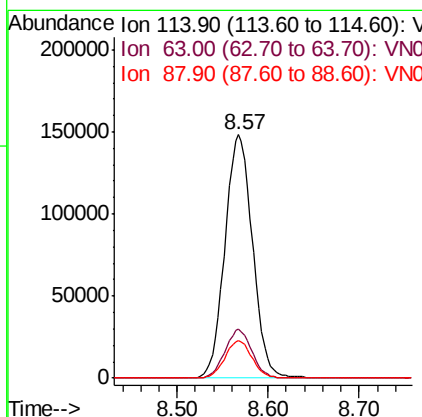
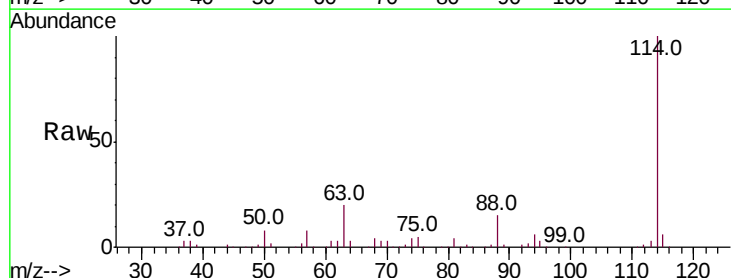
Instrument :
 MSVOA_N
 ClientSampled :

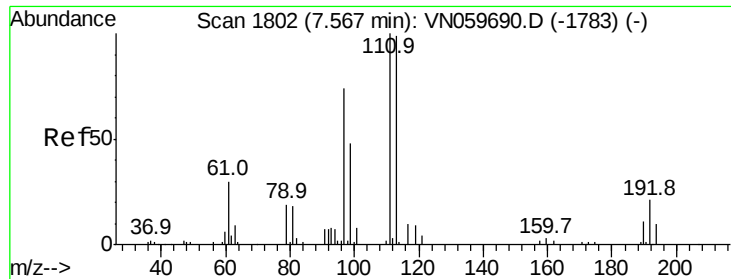
Tot Ion: 65 Resp: 114714
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060042.D
 Acq: 10 Feb 2020 13:40

Tgt Ion: 114 Resp: 312500
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 43.6
 88 15.3 0.0 31.4

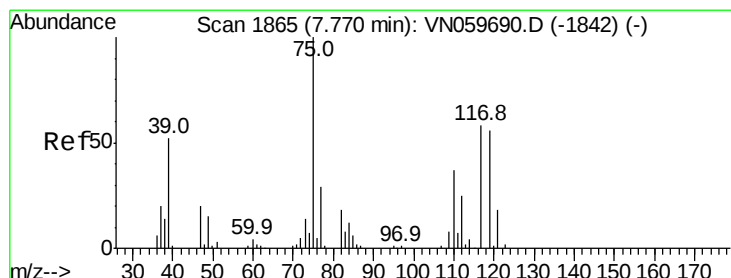
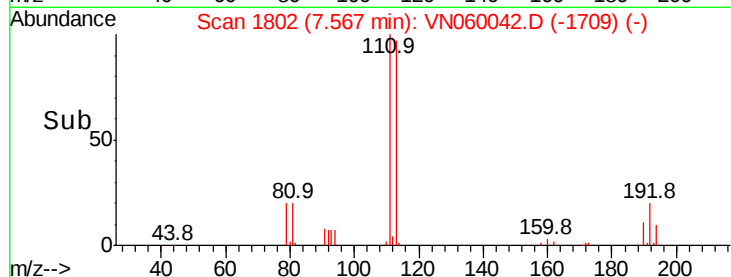
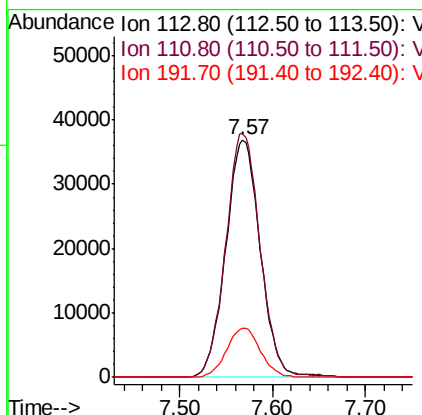
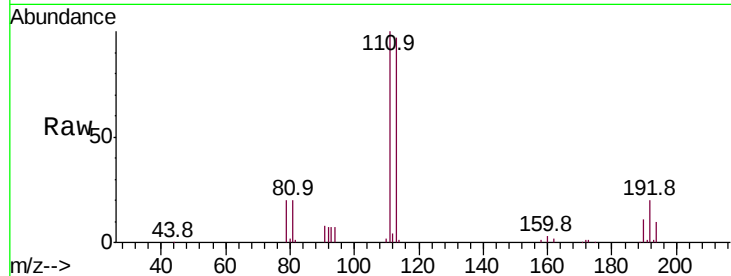




#35
 Dibromofluoromethane
 Concen: 51.036 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060042.D
 Acq: 10 Feb 2020 13:40

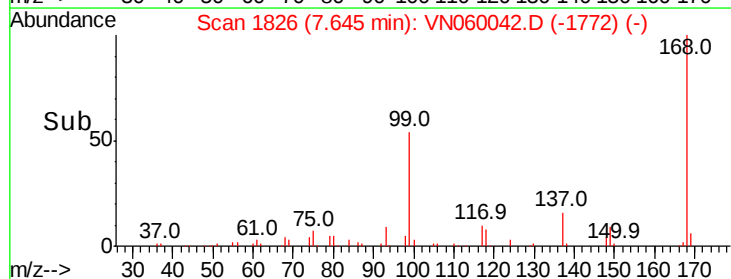
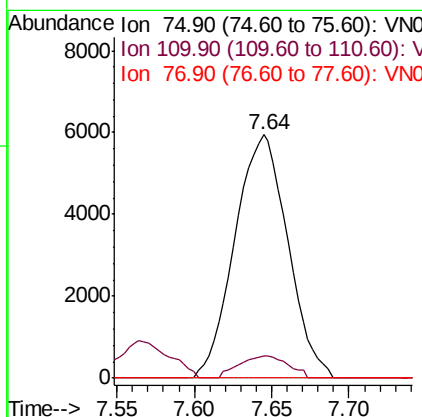
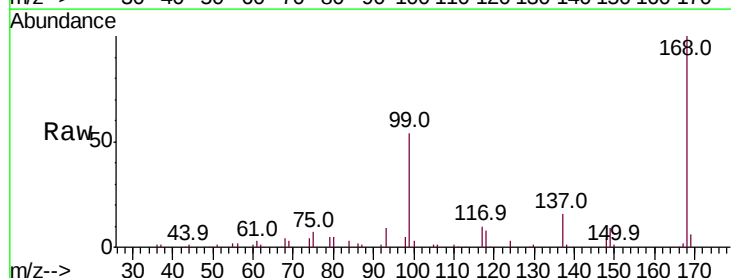
Instrument :
 MSVOA_N
 ClientSampled :

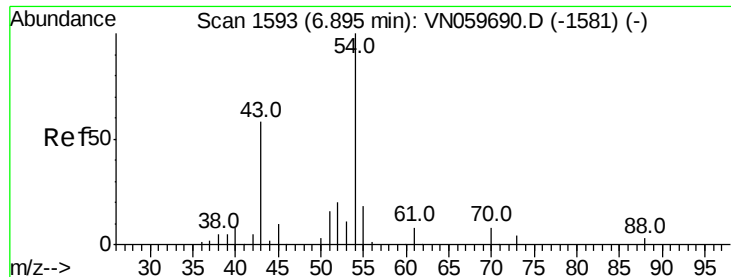
Tot Ion:113 Resp: 95110
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.5 125.3
 192 20.3 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.193 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060042.D
 Acq: 10 Feb 2020 13:40

Tgt Ion: 75 Resp: 14133
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.6 49.7#
 77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.455 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.09 min

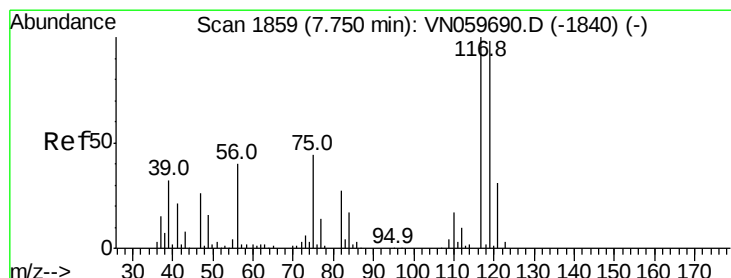
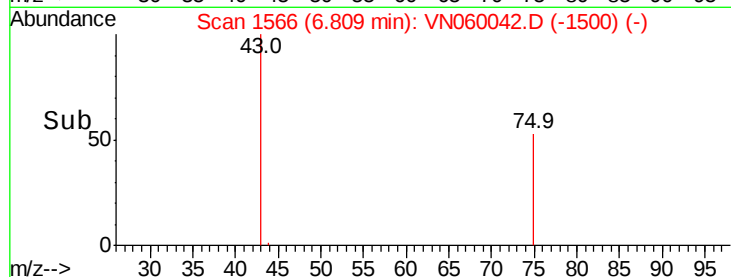
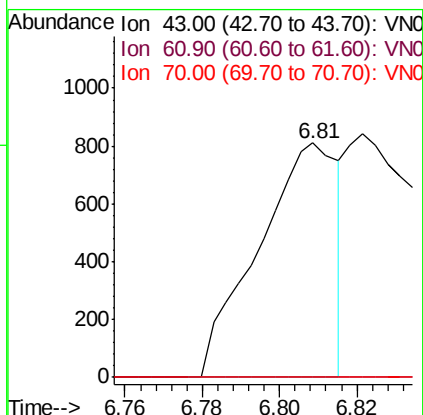
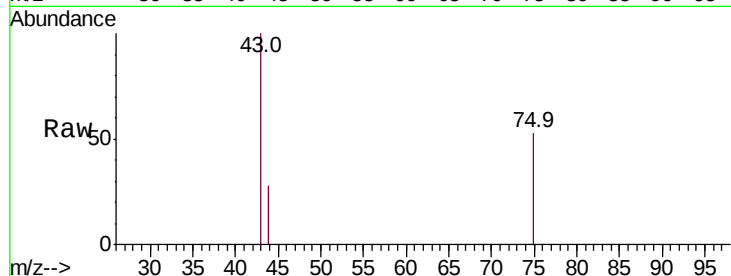
Lab File: VN060042.D

Acq: 10 Feb 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1161

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	7.7	11.5#



#38

Carbon Tetrachloride

Concen: 6.373 ug/l

RT: 7.64 min Scan# 1826

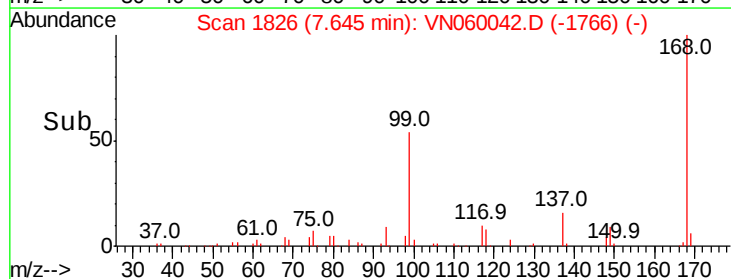
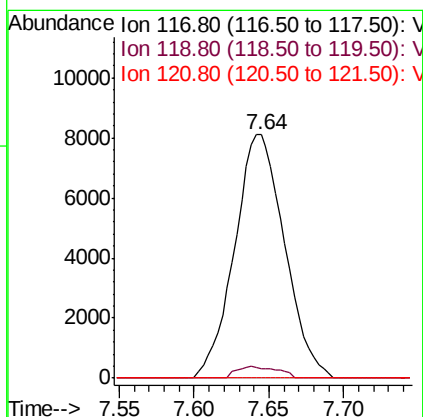
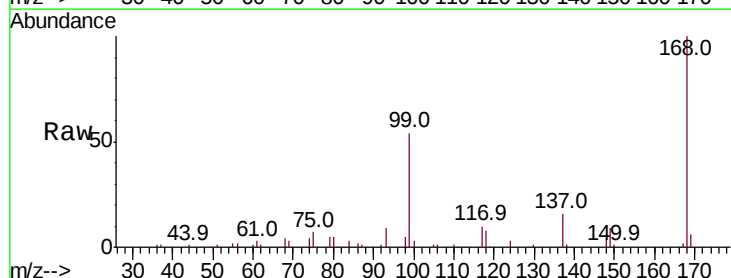
Delta R.T. -0.11 min

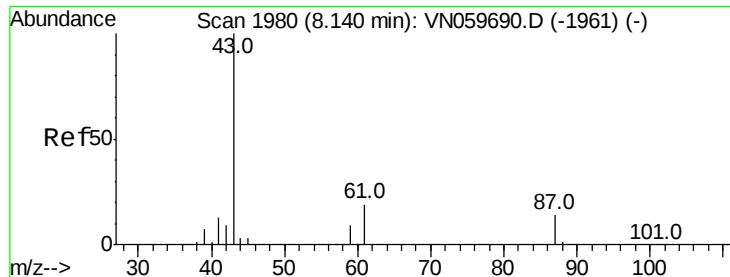
Lab File: VN060042.D

Acq: 10 Feb 2020 13:40

Tgt Ion: 117 Resp: 18865

Ion	Ratio	Lower	Upper
117	100		
119	3.9	76.5	114.7#
121	0.0	25.1	37.7#





#43

Isopropyl Acetate

Concen: 11.065 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060042.D

Acq: 10 Feb 2020 13:40

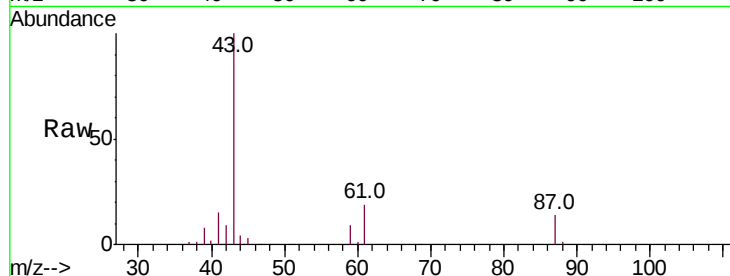
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 48577

Ion	Ratio	Lower	Upper
43	100		
61	20.2	20.2	30.2
87	13.6	9.5	14.3

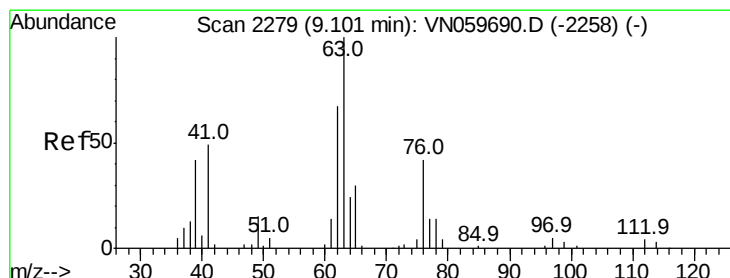
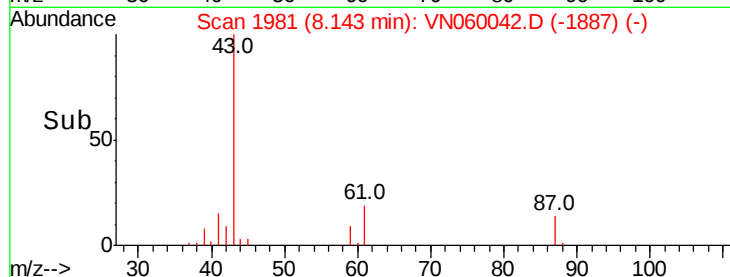
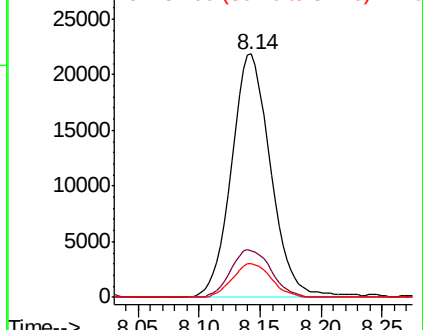


Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO



#45

1,2-Dichloropropane

Concen: 0.397 ug/l

RT: 9.25 min Scan# 2325

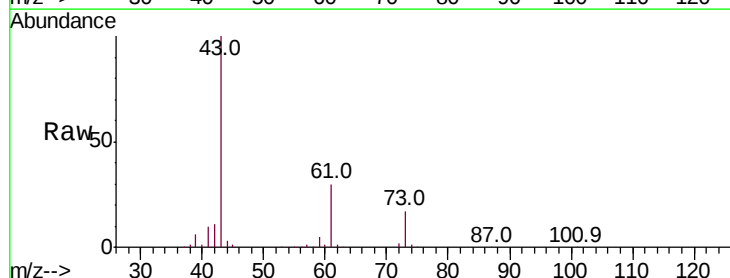
Delta R.T. 0.15 min

Lab File: VN060042.D

Acq: 10 Feb 2020 13:40

Tgt Ion: 63 Resp: 797

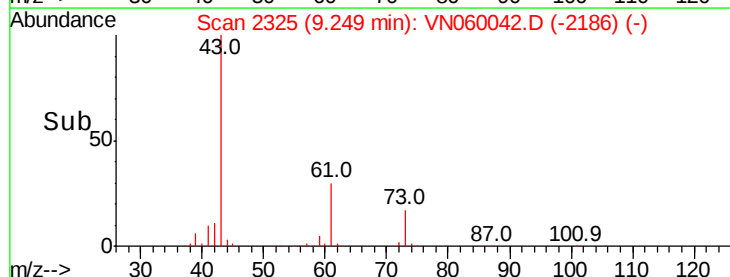
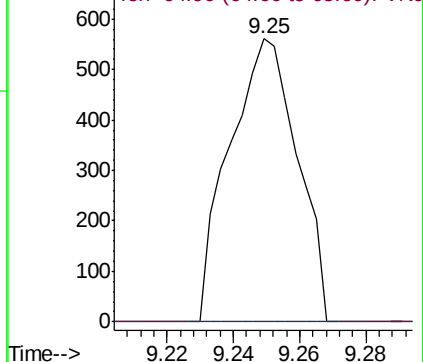
Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.9	37.3

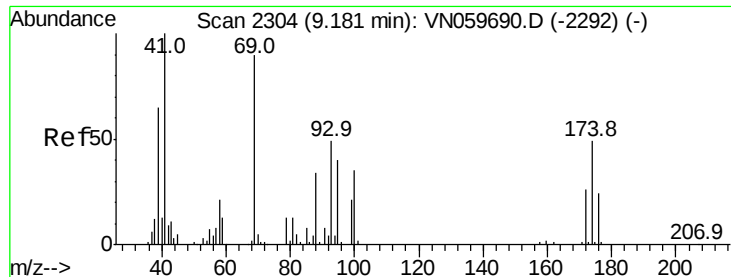


Abundance

Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

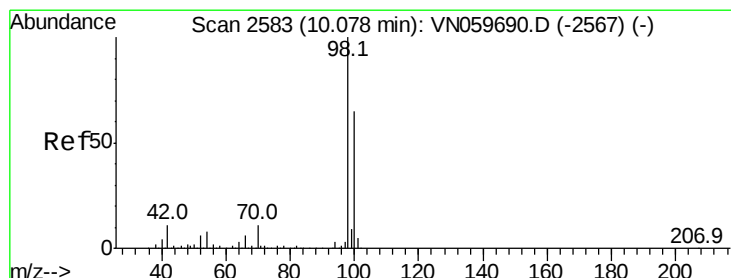
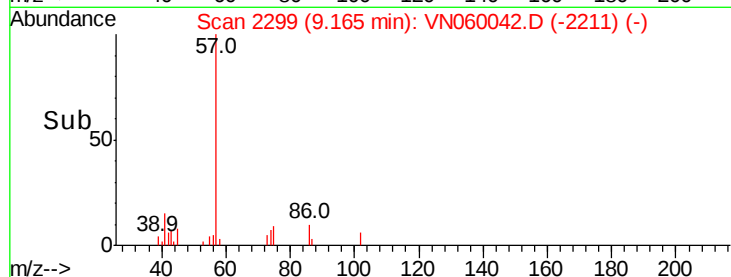
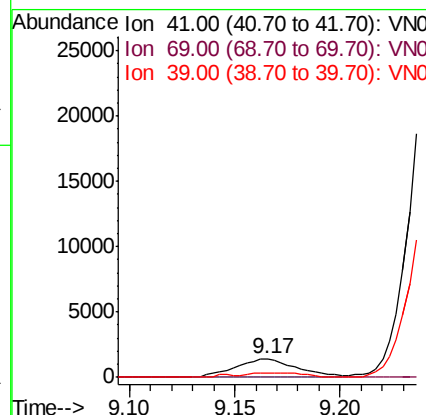
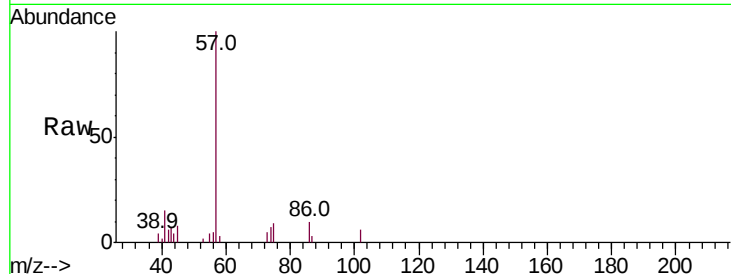




#48
Methvl methacrylate
Concen: 1.448 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN060042.D
Acq: 10 Feb 2020 13:40

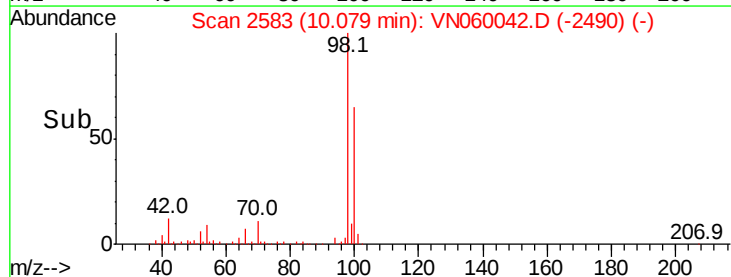
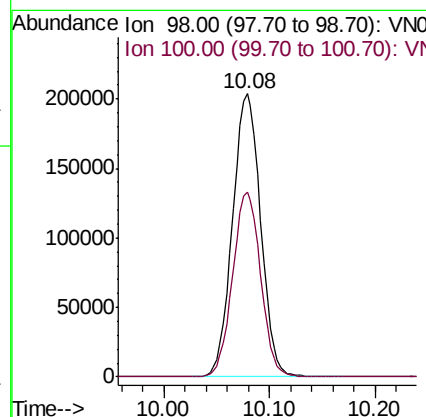
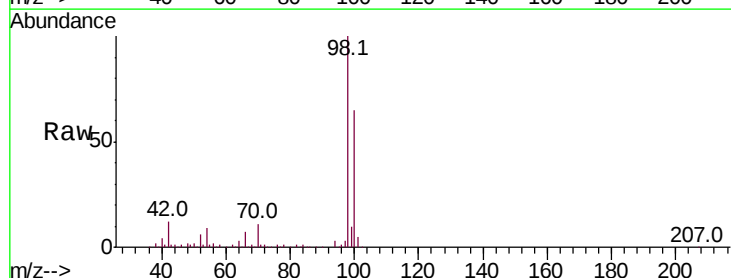
Instrument :
MSVOA_N
ClientSampled :

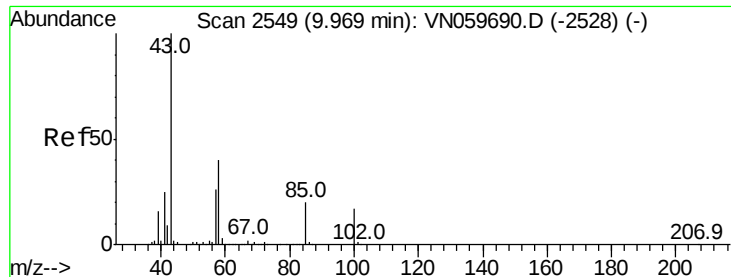
Tot Ion: 41 Resp: 2843
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 52.008 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060042.D
Acq: 10 Feb 2020 13:40

Tgt Ion: 98 Resp: 375519
Ion Ratio Lower Upper
98 100
100 65.0 51.2 76.8

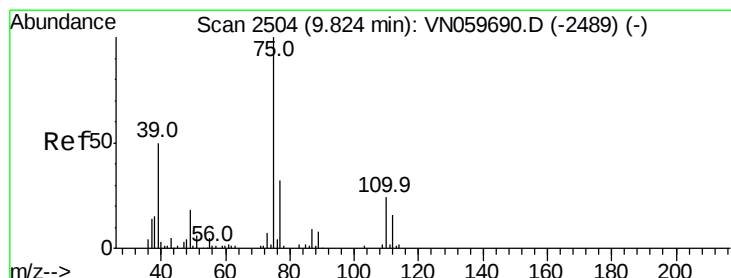
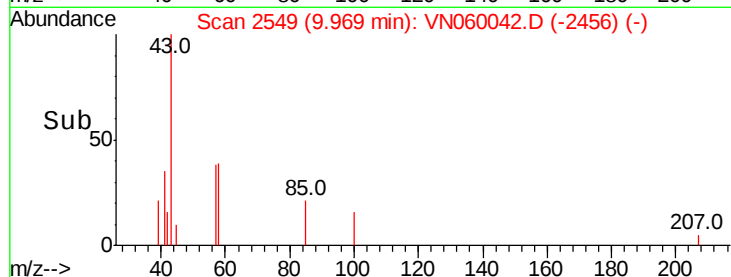
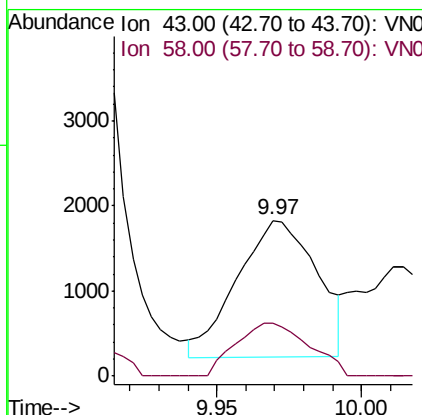
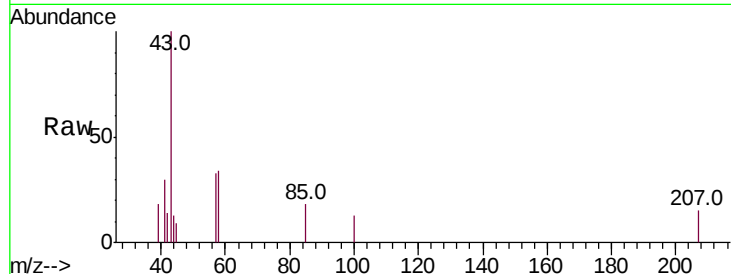




#51
 4-Methyl-2-Pentanone
 Concen: 1.215 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060042.D
 Acq: 10 Feb 2020 13:40

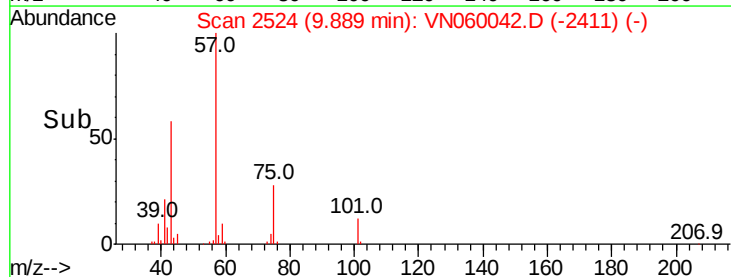
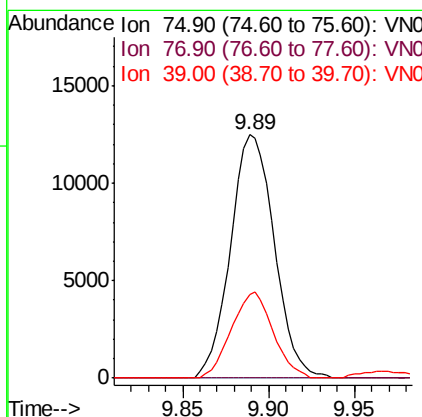
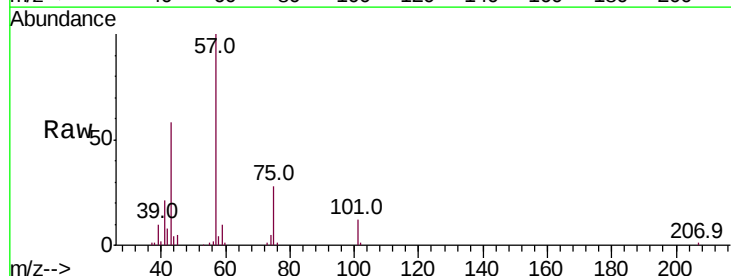
Instrument :
 MSVOA_N
 ClientSampled :

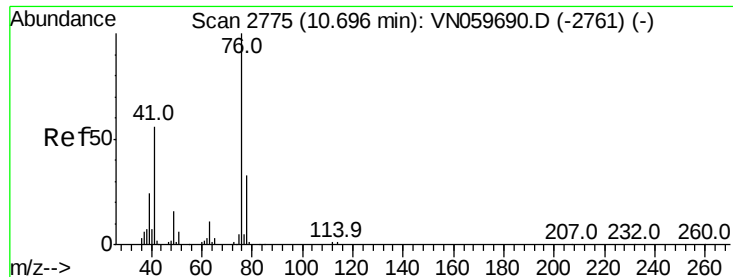
Tot Ion: 43 Resp: 3083
 Ion Ratio Lower Upper
 43 100
 58 35.5 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 6.617 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060042.D
 Acq: 10 Feb 2020 13:40

Tgt Ion: 75 Resp: 22193
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 34.4 46.1 69.1#





#57

1,3-Dichloropropane

Concen: 1.084 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

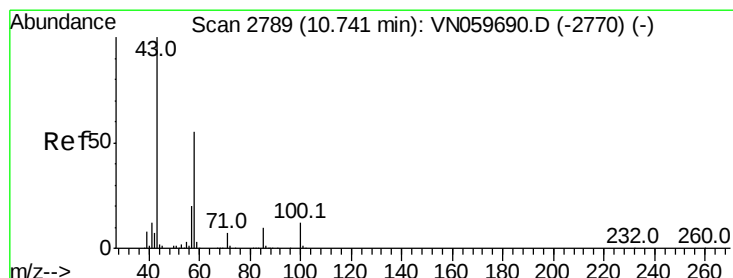
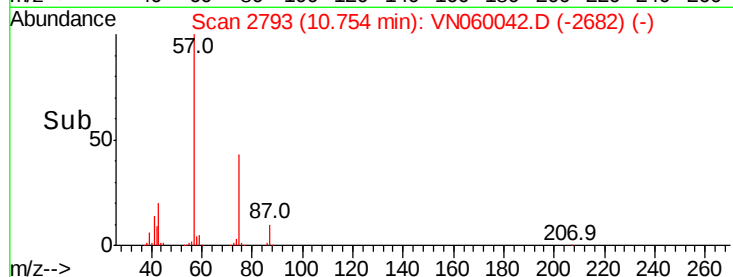
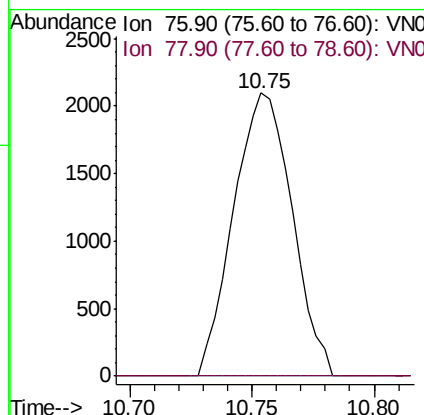
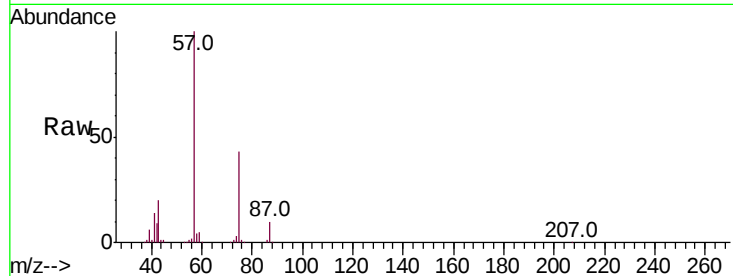
Lab File: VN060042.D

Acq: 10 Feb 2020 13:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 3493

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.8#



#59

2-Hexanone

Concen: 25.572 ug/l

RT: 10.75 min Scan# 2793

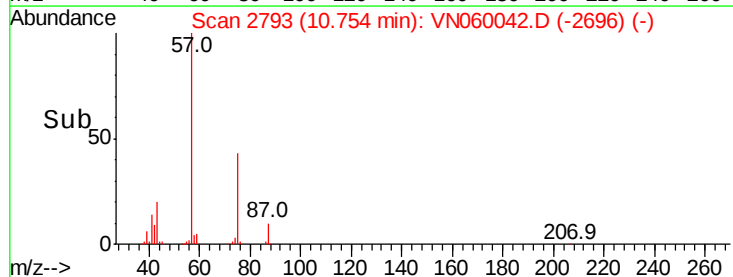
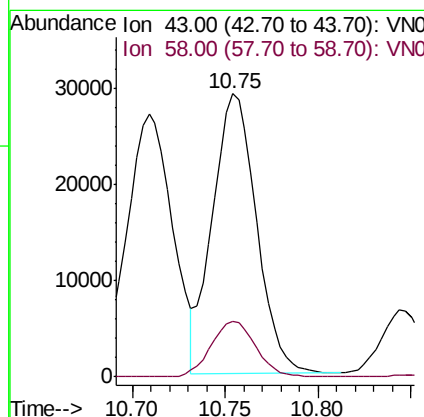
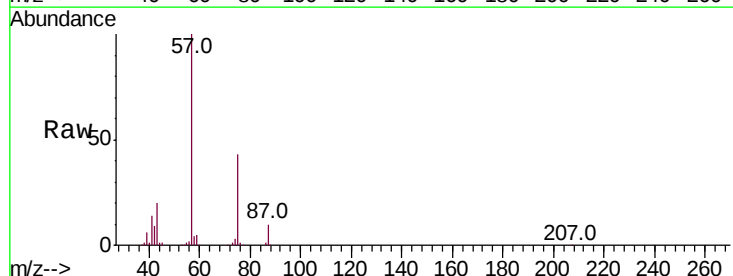
Delta R.T. 0.01 min

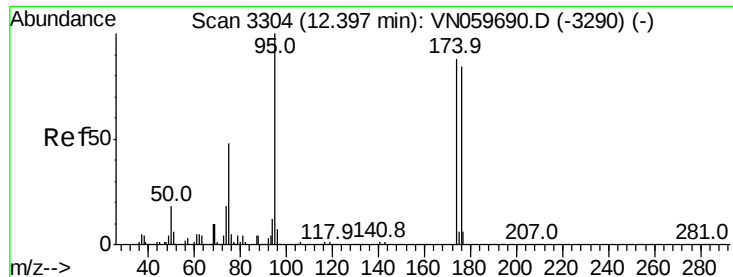
Lab File: VN060042.D

Acq: 10 Feb 2020 13:40

Tgt Ion: 43 Resp: 47811

Ion	Ratio	Lower	Upper
43	100		
58	20.0	25.8	77.3#





#62

4-Bromofluorobenzene

Concen: 51.736 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060042.D

Acq: 10 Feb 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

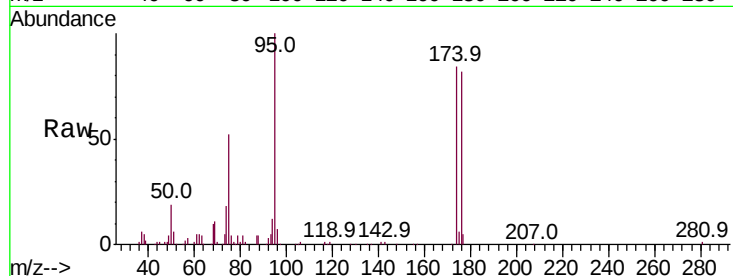
Tot Ion: 95 Resp: 134666

Ion Ratio Lower Upper

95 100

174 84.6 0.0 151.4

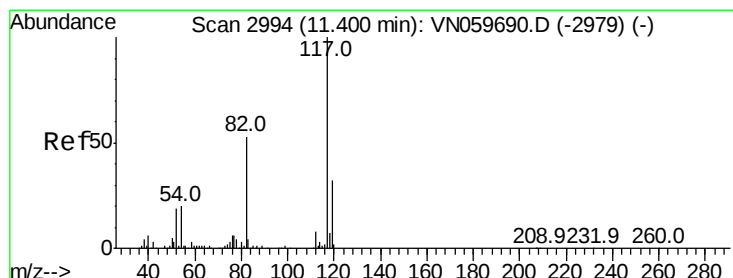
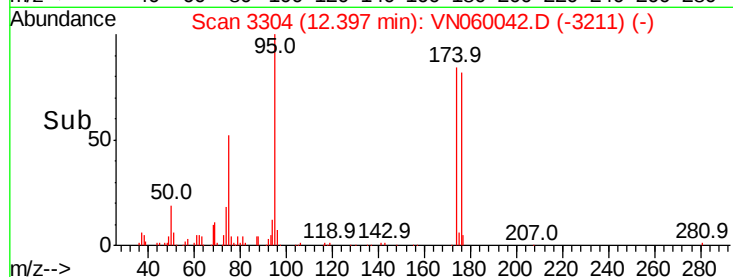
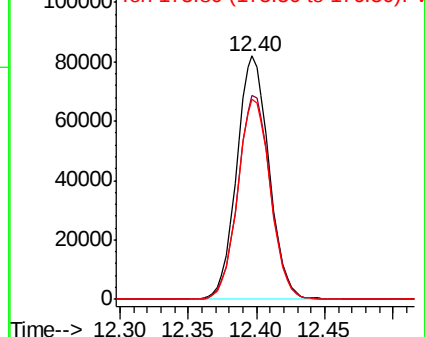
176 83.0 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059690.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN059690.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN059690.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060042.D

Acq: 10 Feb 2020 13:40

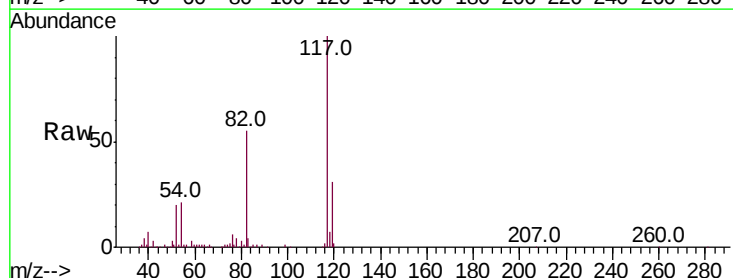
Tgt Ion: 117 Resp: 289561

Ion Ratio Lower Upper

117 100

82 54.8 45.9 68.9

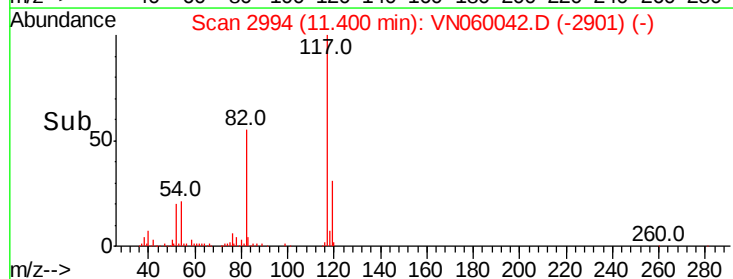
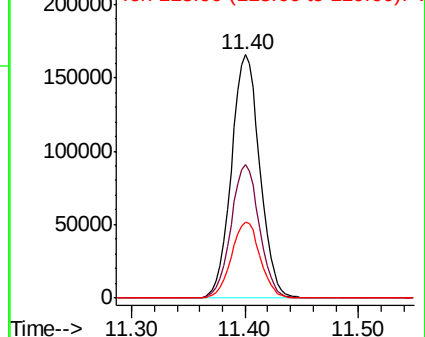
119 31.3 25.5 38.3

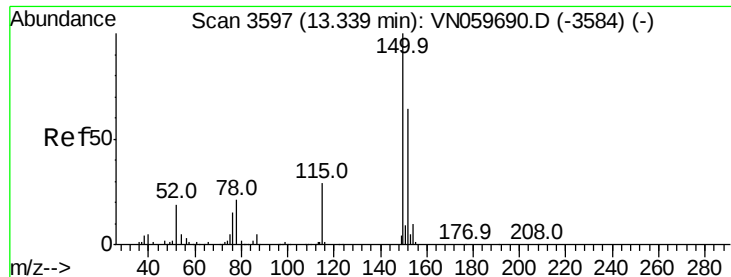


Abundance Ion 116.90 (116.60 to 117.60): VN059690.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059690.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059690.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060042.D

Acq: 10 Feb 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

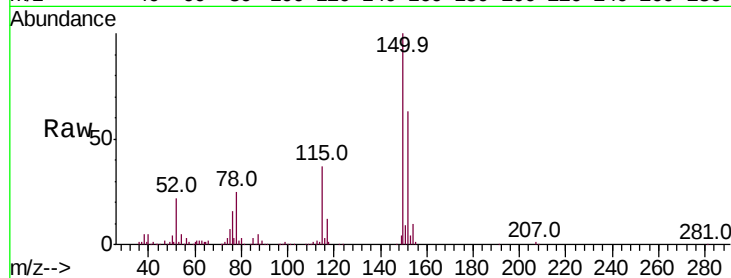
Tot Ion:152 Resp: 129816

Ion Ratio Lower Upper

152 100

115 58.5 30.3 90.9

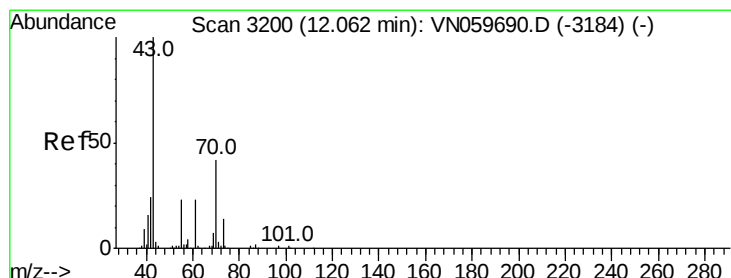
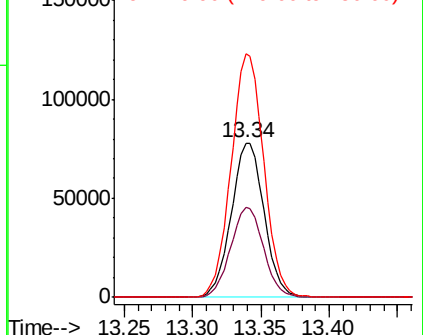
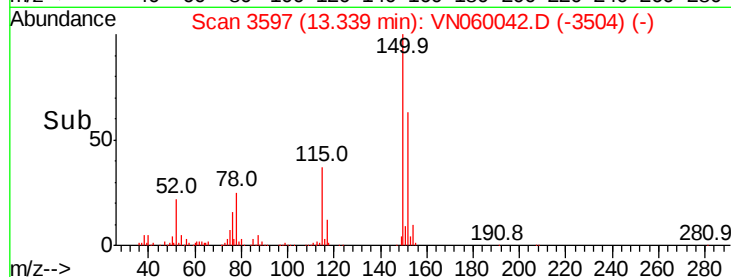
150 157.7 0.0 345.2



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-ethyl acetate

Concen: 0.680 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN060042.D

Acq: 10 Feb 2020 13:40

Tgt Ion: 43 Resp: 2511

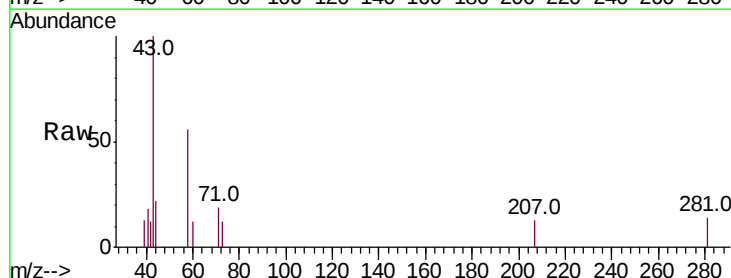
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

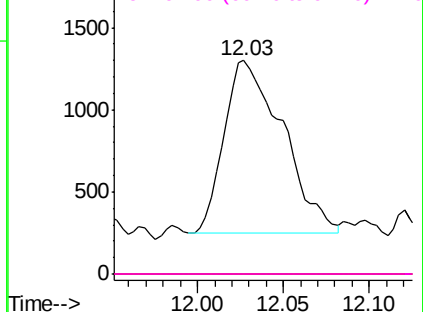
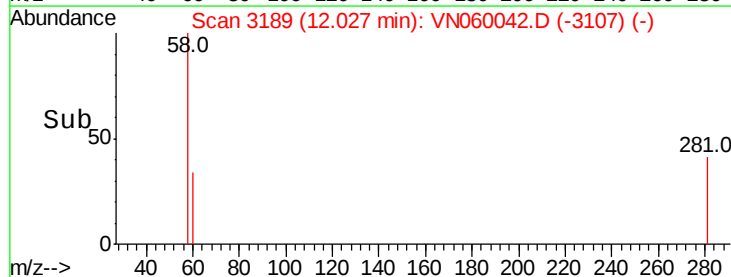


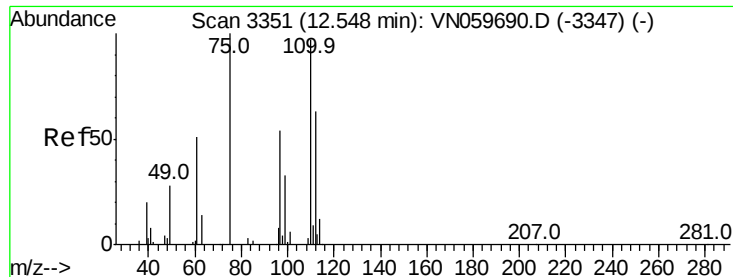
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 31.663 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060042.D

Acq: 10 Feb 2020 13:40

Instrument :

MSVOA_N

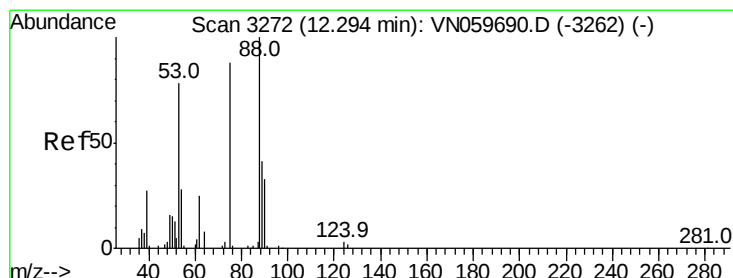
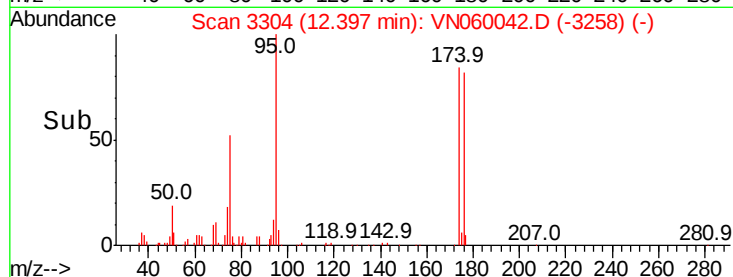
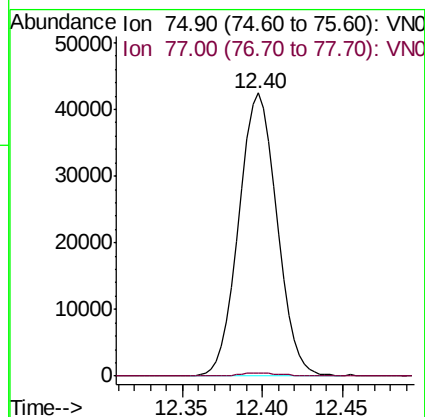
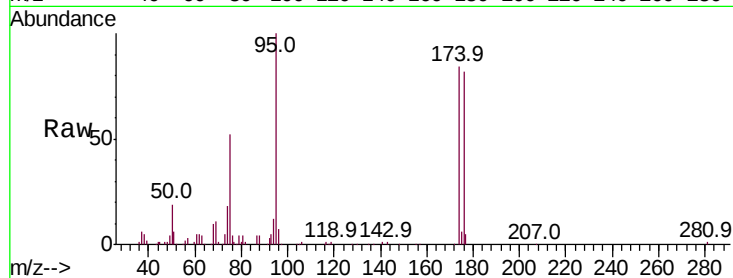
ClientSampled :

Tot Ion: 75 Resp: 69173

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.996 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060042.D

Acq: 10 Feb 2020 13:40

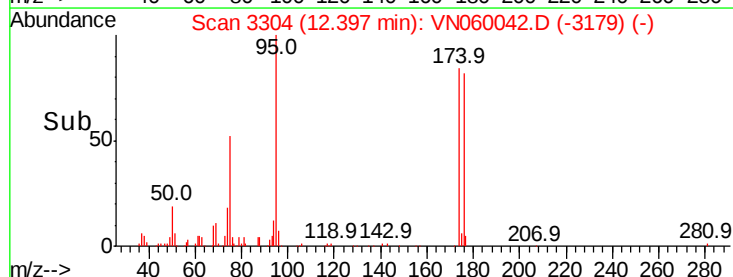
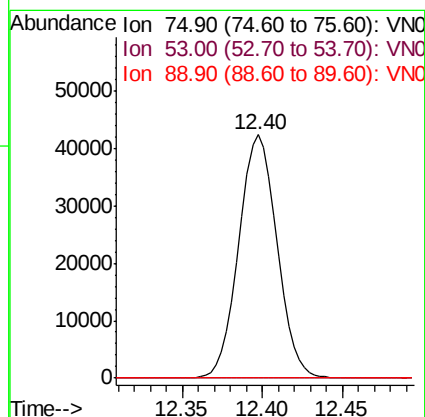
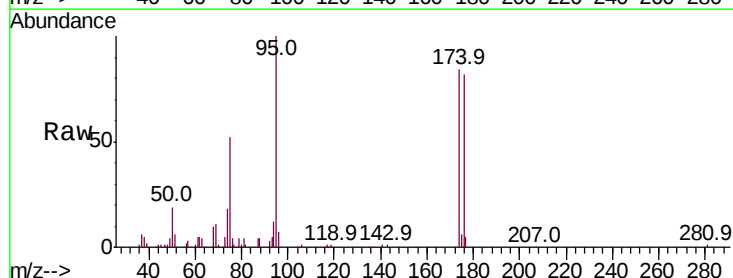
Tgt Ion: 75 Resp: 69173

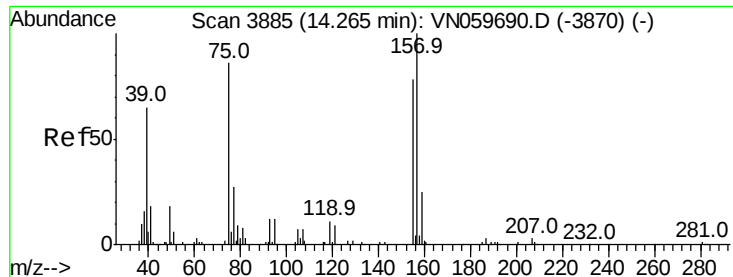
Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.29 min Scan# 3892

Delta R.T. 0.02 min

Lab File: VN060042.D

Acq: 10 Feb 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

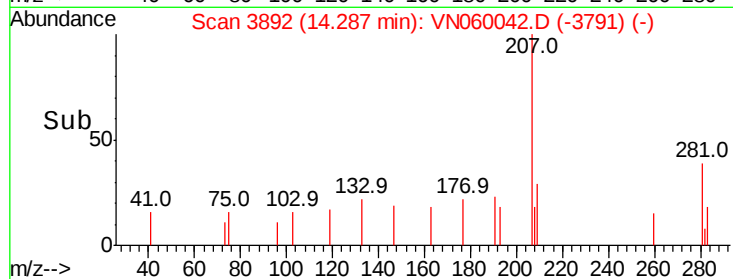
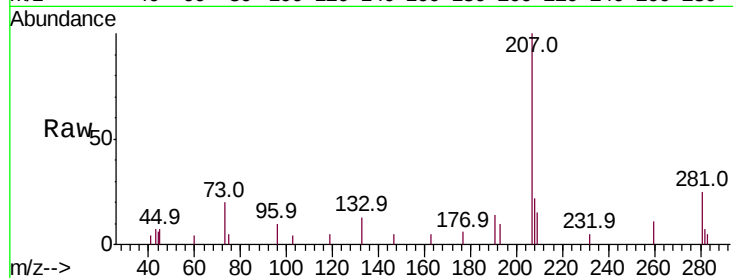
Tot Ion: 75 Resp: 32

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060042.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060042.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060042.D (-3791) (-)

