

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060046.D
 Acq On : 10 Feb 2020 15:11
 Operator : JC/MD
 Sample : PB126661ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 11 07:09:16 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	196693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	306846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	291636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135884	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	114041	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
35) Dibromofluoromethane	7.57	113	93460	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
50) Toluene-d8	10.08	98	371762	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.40	95	136405	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	

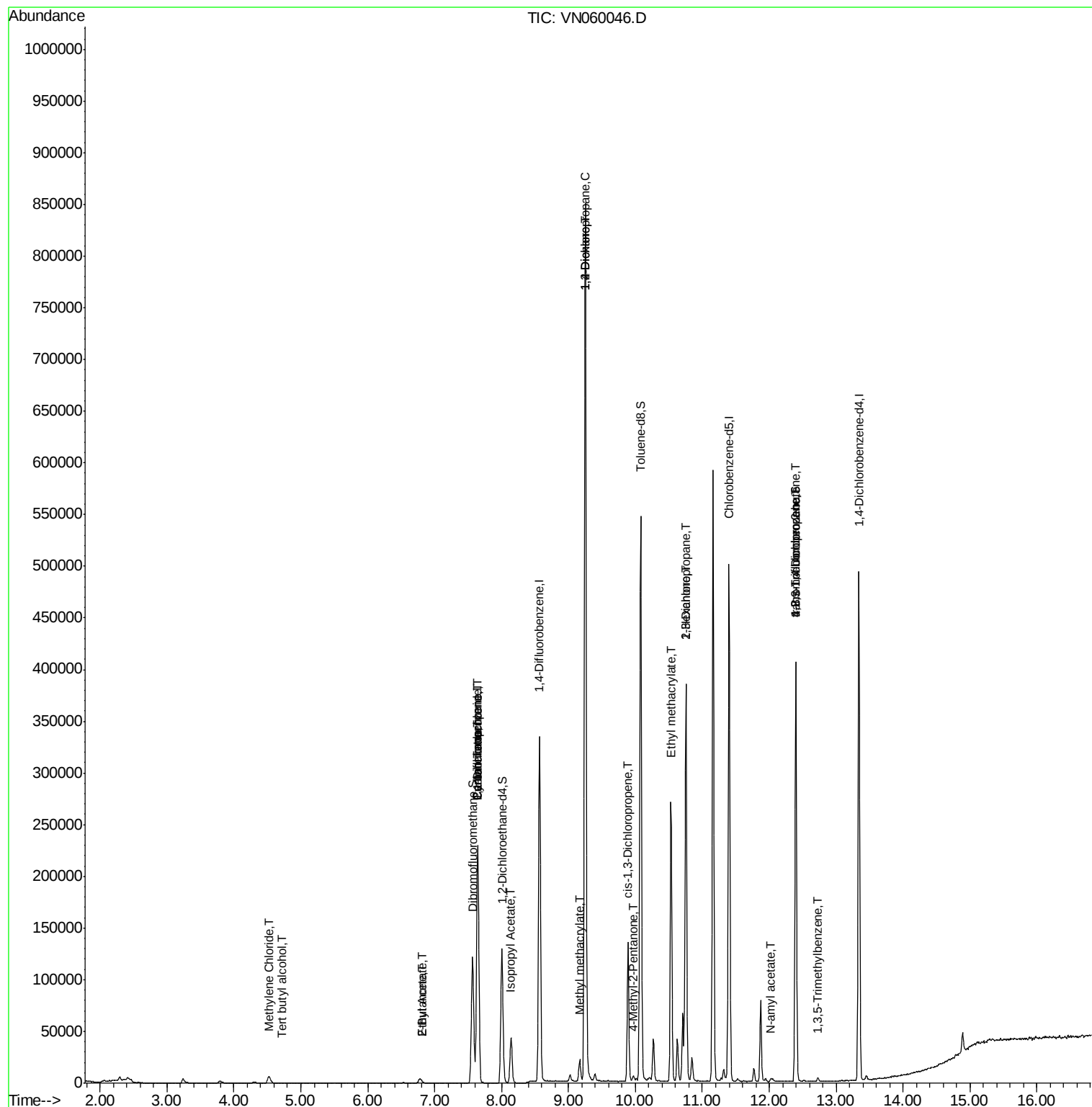
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	141	0.383	ug/l #	72
16) Acetone	3.79	43	4207	Below Cal		100
20) Methylene Chloride	4.53	84	5304	1.427	ug/l	85
25) 2-Butanone	6.82	43	1563	1.264	ug/l #	50
31) Cyclohexane	7.64	56	3801	1.176	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14044	5.256	ug/l #	50
37) Ethyl Acetate	6.82	43	1563	0.624	ug/l #	69
38) Carbon Tetrachloride	7.64	117	18579	6.392	ug/l #	16
43) Isopropyl Acetate	8.14	43	52420	12.160	ug/l #	90
45) 1,2-Dichloropropane	9.26	63	918	0.466	ug/l #	44
48) Methyl methacrylate	9.16	41	3181	1.650	ug/l #	13
49) 1,4-Dioxane	9.25	88	30	0.850	ug/l #	1
51) 4-Methyl-2-Pentanone	9.97	43	3956	1.588	ug/l #	87
54) cis-1,3-Dichloropropene	9.89	75	24021	7.294	ug/l #	61
56) Ethyl methacrylate	10.54	69	690	0.227	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	3988	1.260	ug/l #	42
59) 2-Hexanone	10.75	43	55390	30.172	ug/l #	55
74) N-amyl acetate	12.03	43	3217	0.832	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	70285	30.735	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2319	0.277	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	70285	66.004	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.28	75	60	Below Cal	#	6

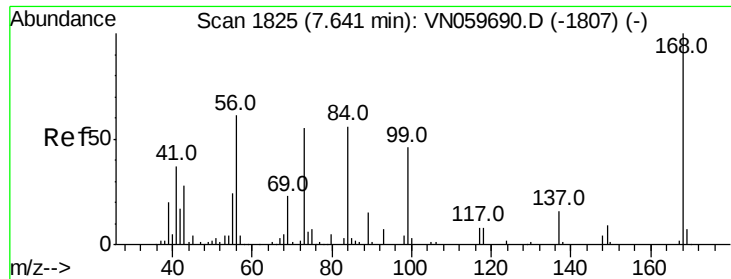
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021020\
Data File : VN060046.D
Acq On : 10 Feb 2020 15:11
Operator : JC/MD
Sample : PB126661ZHE#13
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 11 07:09:16 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: VN060046.D

Acq: 10 Feb 2020 15:11

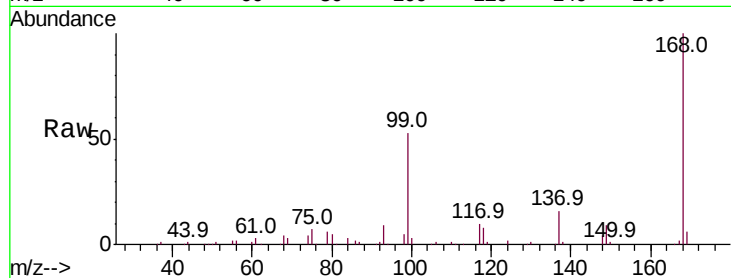
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 196693

Ion Ratio Lower Upper

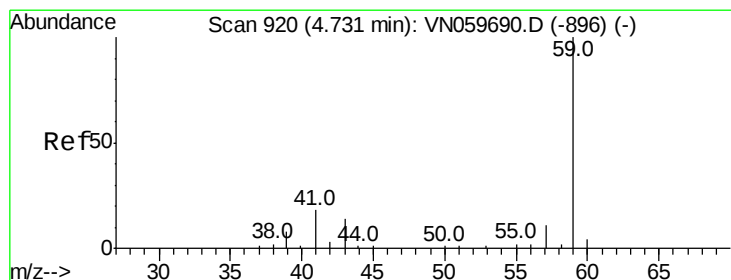
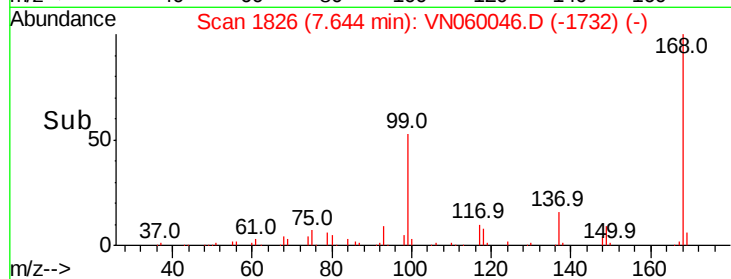
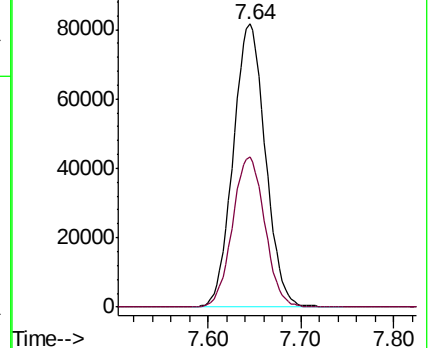
168 100

99 53.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.383 ug/l

RT: 4.72 min Scan# 918

Delta R.T. -0.01 min

Lab File: VN060046.D

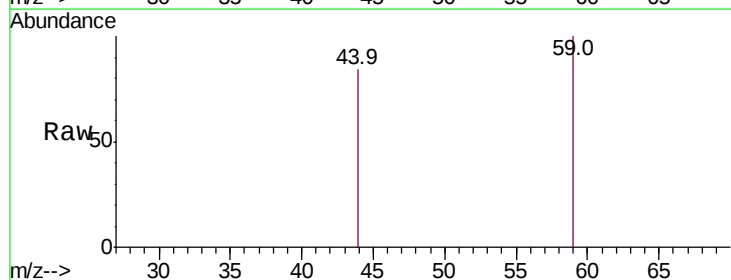
Acq: 10 Feb 2020 15:11

Tgt Ion: 59 Resp: 141

Ion Ratio Lower Upper

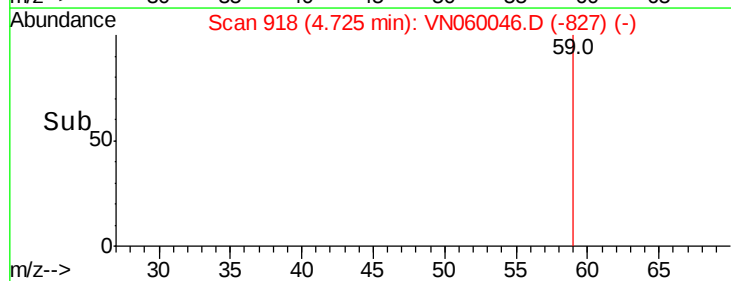
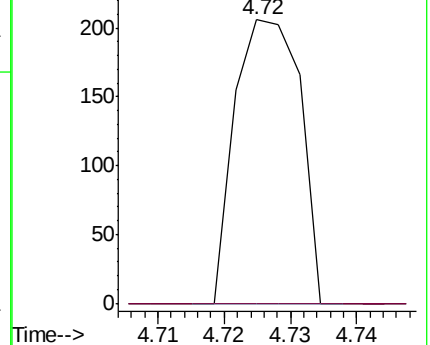
59 100

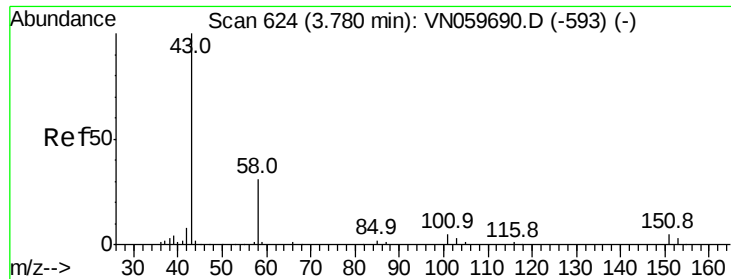
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060046.D

Acq: 10 Feb 2020 15:11

Instrument :

MSVOA_N

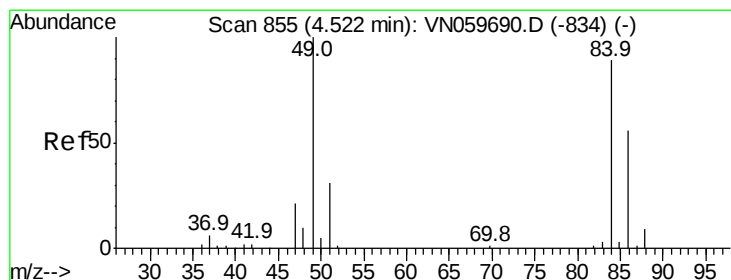
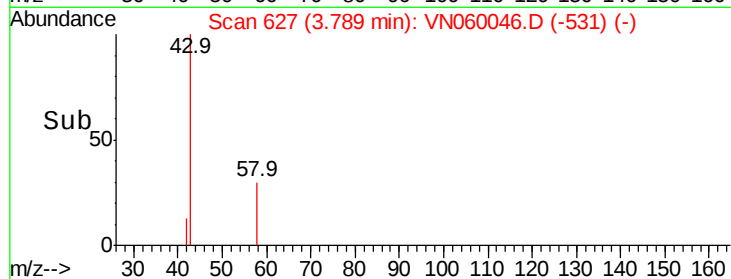
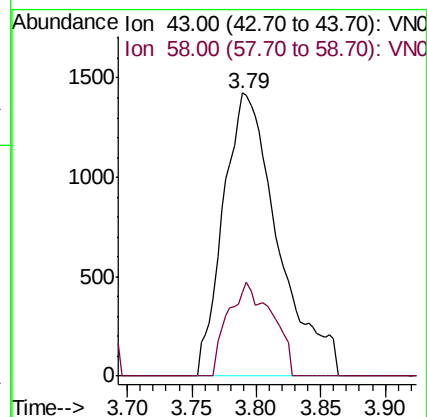
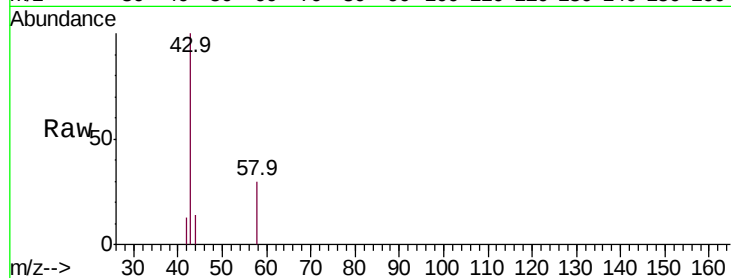
ClientSampleId :

Tot Ion: 43 Resp: 4207

Ion Ratio Lower Upper

43 100

58 29.6 23.6 35.4



#20

Methylene Chloride

Concen: 1.427 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.01 min

Lab File: VN060046.D

Acq: 10 Feb 2020 15:11

Tgt Ion: 84 Resp: 5304

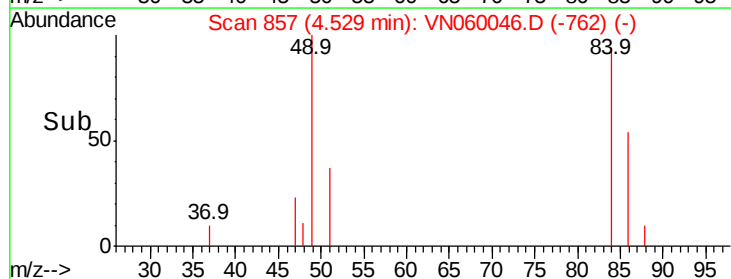
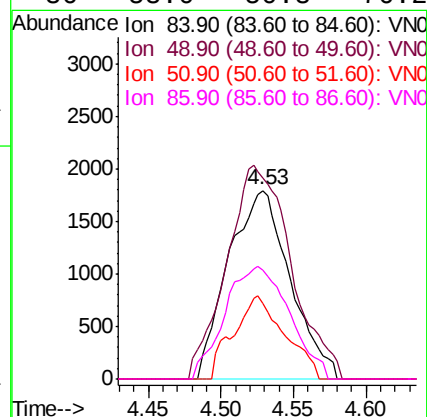
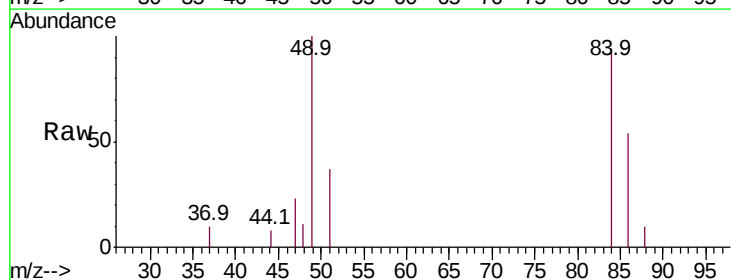
Ion Ratio Lower Upper

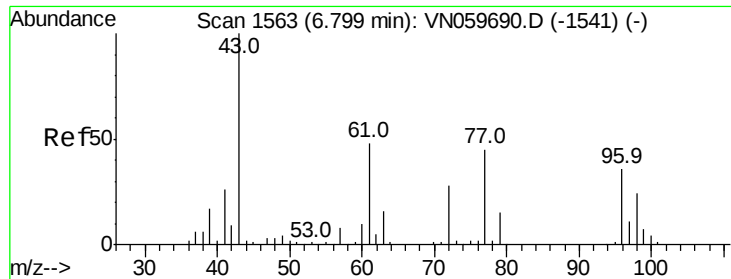
84 100

49 106.9 106.6 160.0

51 40.1 31.9 47.9

86 58.0 50.8 76.2

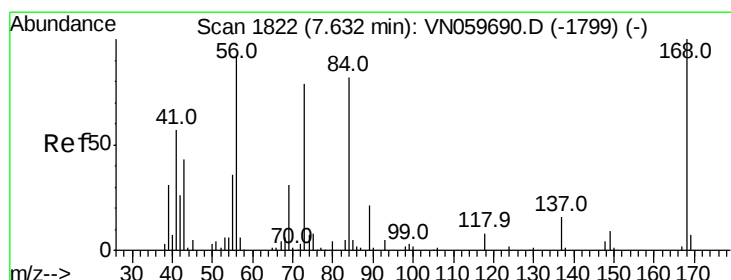
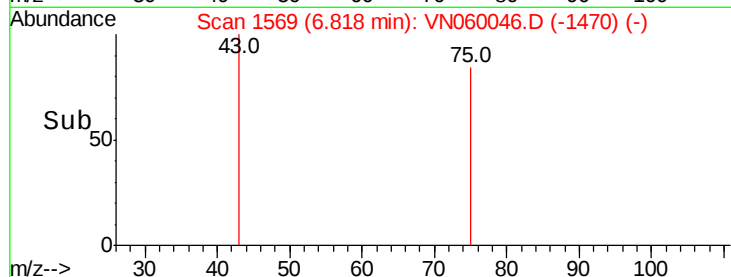
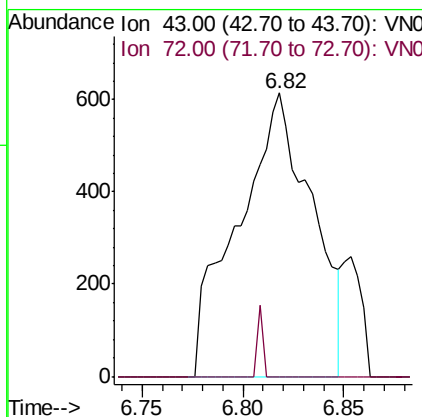
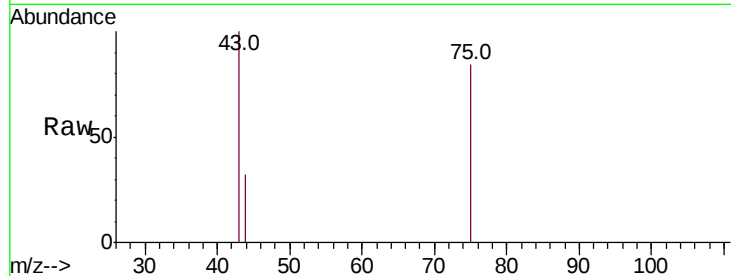




#25
2-Butanone
Concen: 1.264 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN060046.D
Acq: 10 Feb 2020 15:11

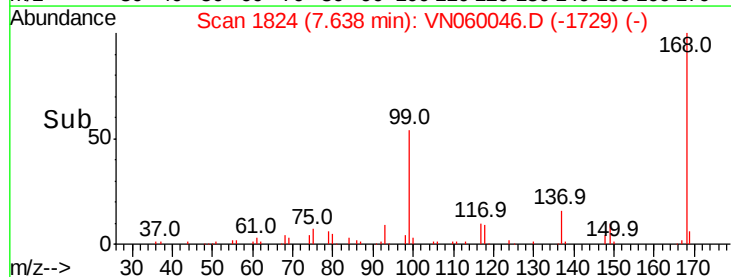
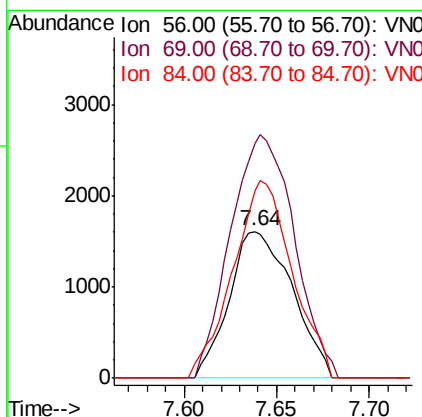
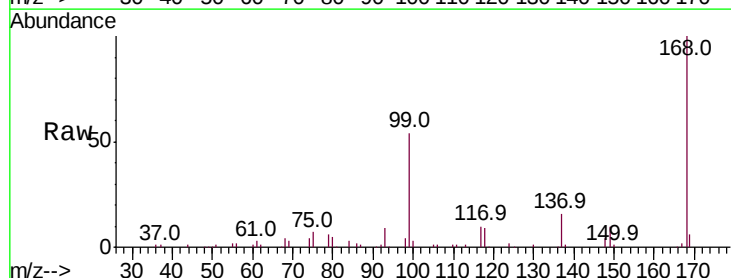
Instrument :
MSVOA_N
ClientSampled :

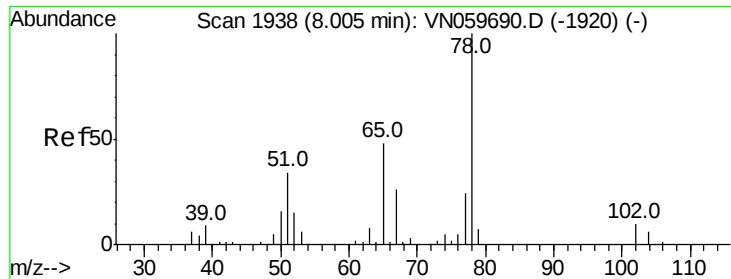
Tot Ion: 43 Resp: 1563
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060046.D
Acq: 10 Feb 2020 15:11

Tgt Ion: 56 Resp: 3801
Ion Ratio Lower Upper
56 100
69 160.0 26.5 39.7#
84 128.1 65.3 97.9#

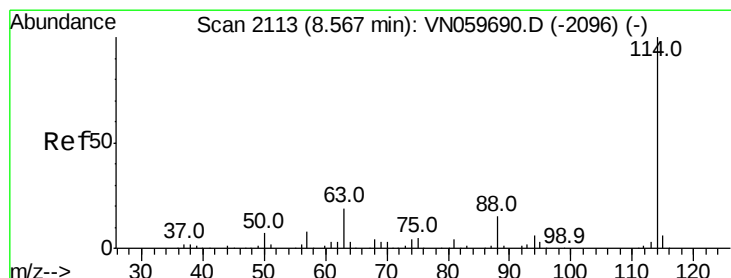
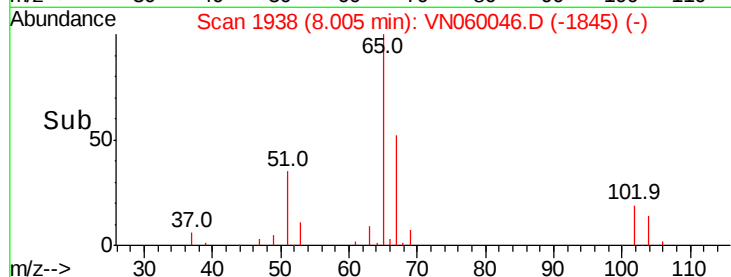
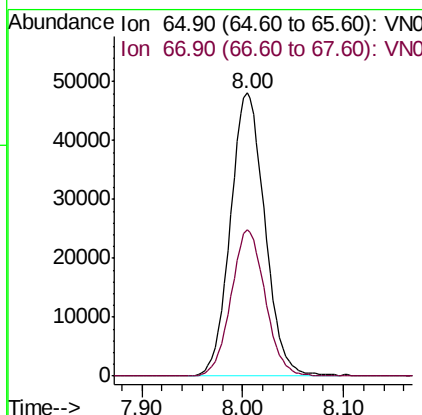
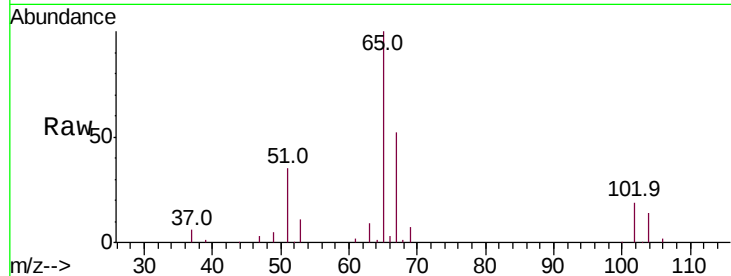




#33
 1,2-Dichloroethane-d4
 Concen: 52.209 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060046.D
 Acq: 10 Feb 2020 15:11

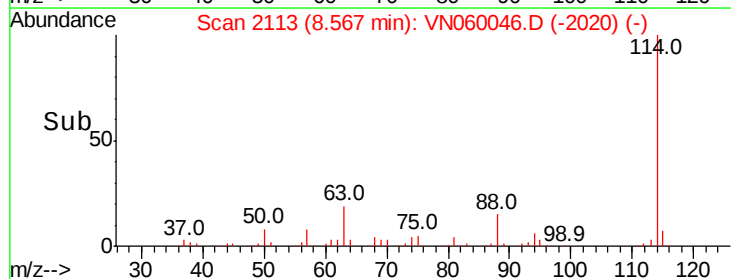
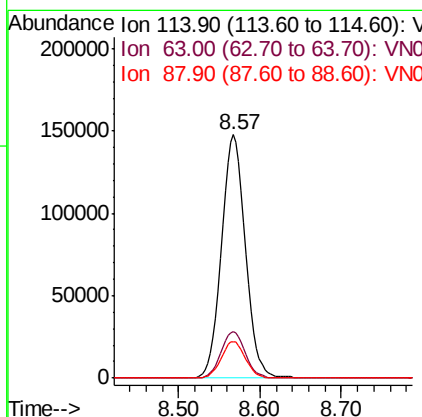
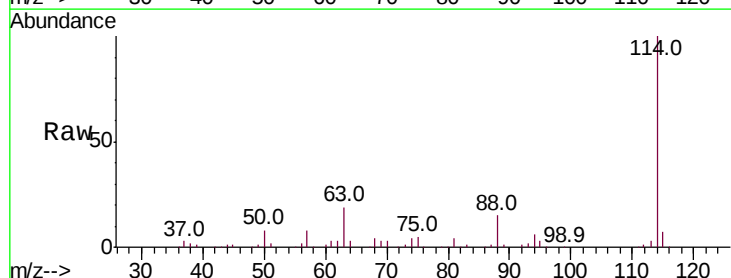
Instrument :
 MSVOA_N
 ClientSampleId :

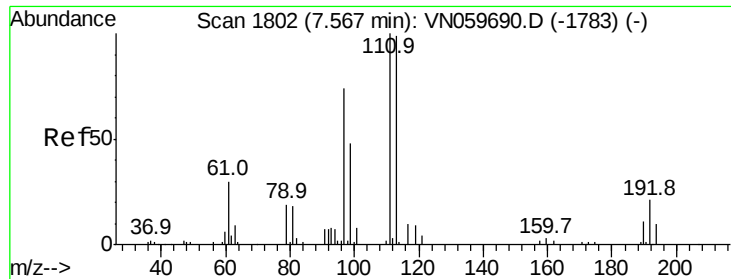
Tot Ion: 65 Resp: 114041
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060046.D
 Acq: 10 Feb 2020 15:11

Tgt Ion: 114 Resp: 306846
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 43.6
 88 15.1 0.0 31.4

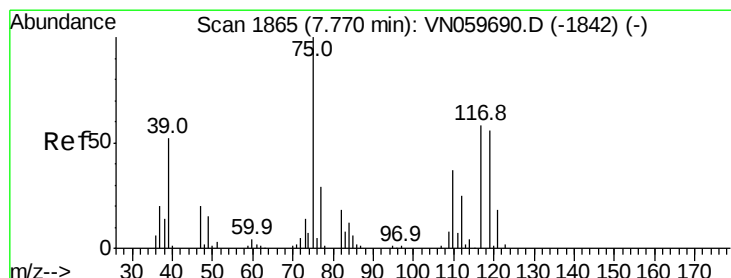
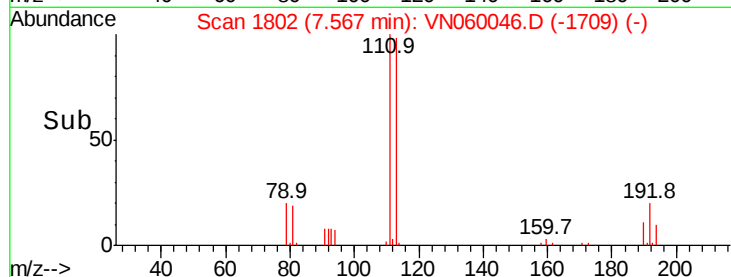
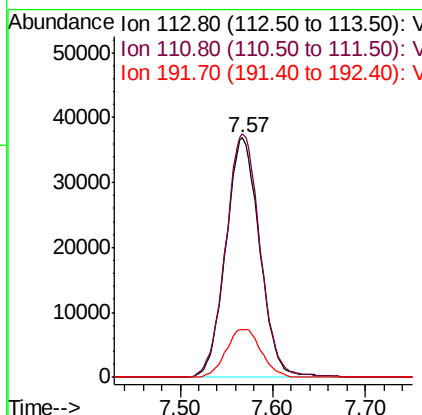
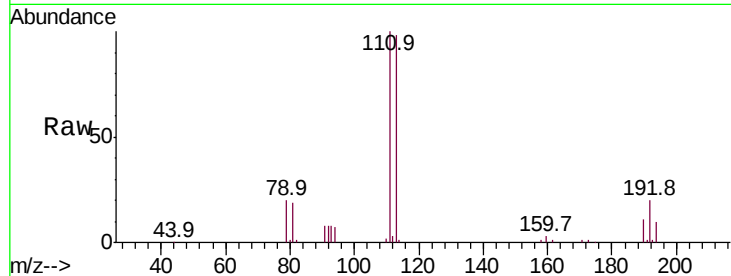




#35
 Dibromofluoromethane
 Concen: 51.075 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060046.D
 Acq: 10 Feb 2020 15:11

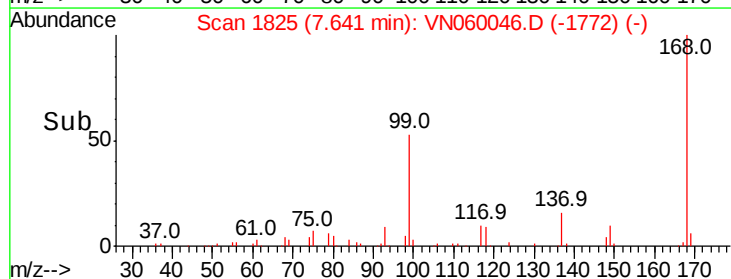
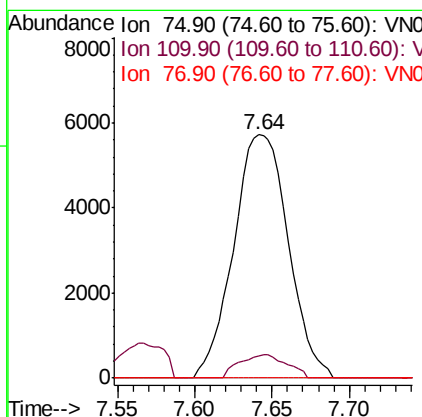
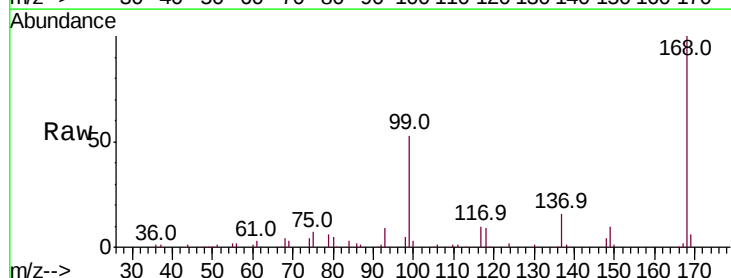
Instrument :
 MSVOA_N
 ClientSampled :

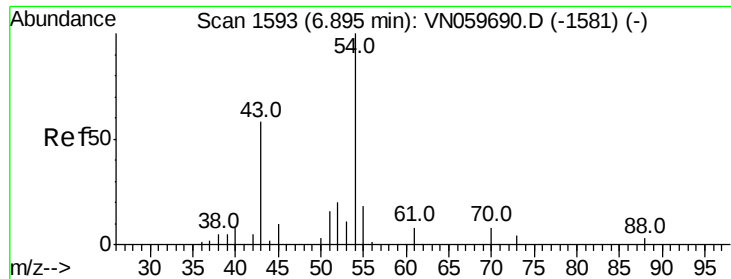
Tot Ion:113 Resp: 93460
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.5 125.3
 192 20.7 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.256 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060046.D
 Acq: 10 Feb 2020 15:11

Tgt Ion: 75 Resp: 14044
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.6 49.7#
 77 0.0 25.1 37.7#

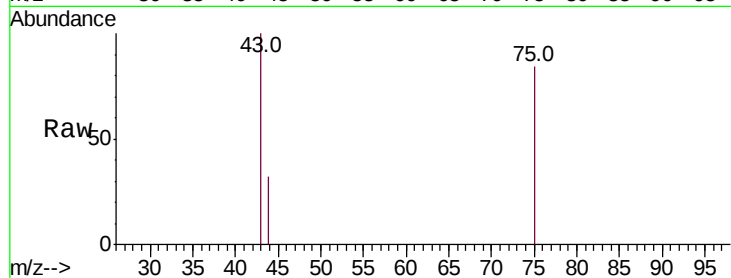




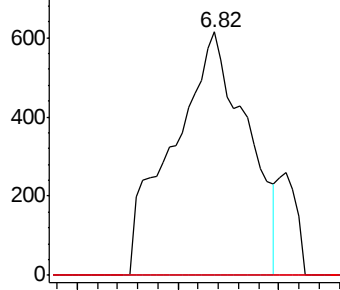
#37
Ethyl Acetate
Concen: 0.624 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.08 min
Lab File: VN060046.D
Acq: 10 Feb 2020 15:11

Instrument :
MSVOA_N
ClientSampleId :

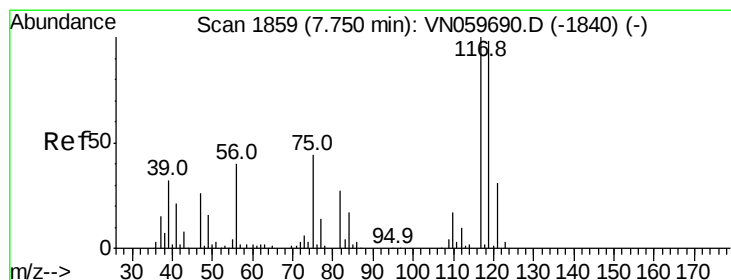
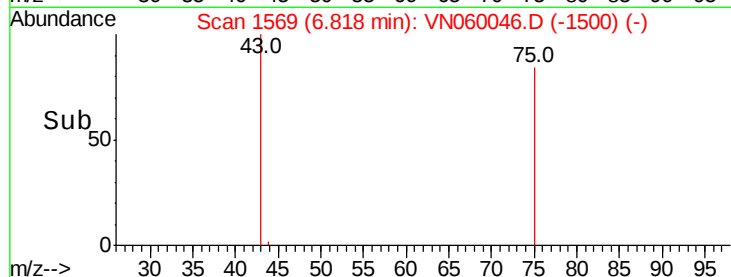
Tot Ion: 43 Resp: 1563
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

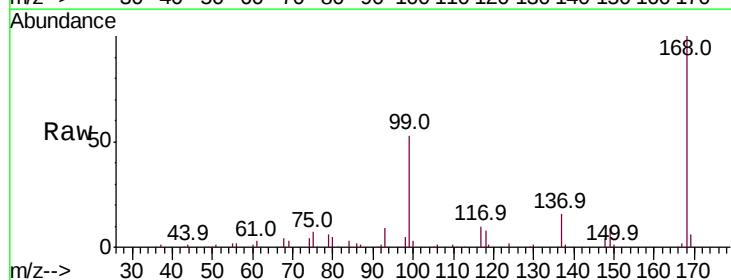


Time--> 6.75 6.80 6.85

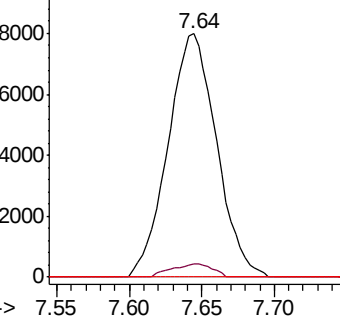


#38
Carbon Tetrachloride
Concen: 6.392 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060046.D
Acq: 10 Feb 2020 15:11

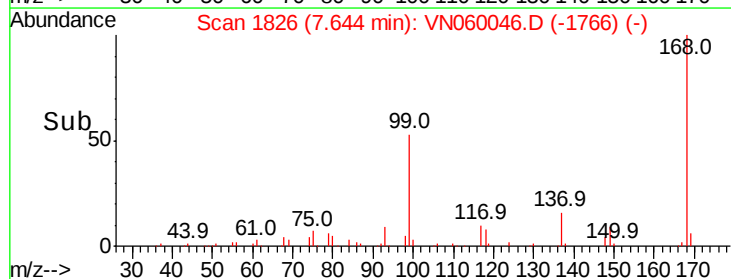
Tgt Ion: 117 Resp: 18579
Ion Ratio Lower Upper
117 100
119 5.2 76.5 114.7#
121 0.0 25.1 37.7#

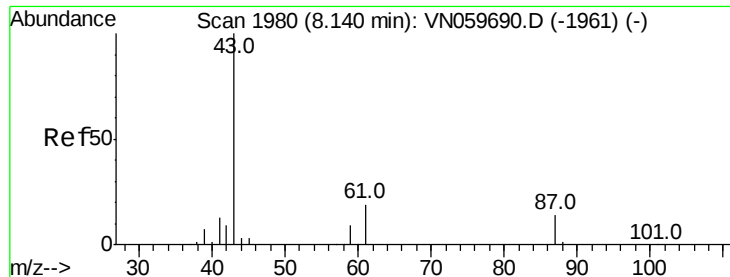


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



Time--> 7.55 7.60 7.65 7.70





#43

Isopropyl Acetate

Concen: 12.160 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060046.D

Acq: 10 Feb 2020 15:11

Instrument :

MSVOA_N

ClientSampled :

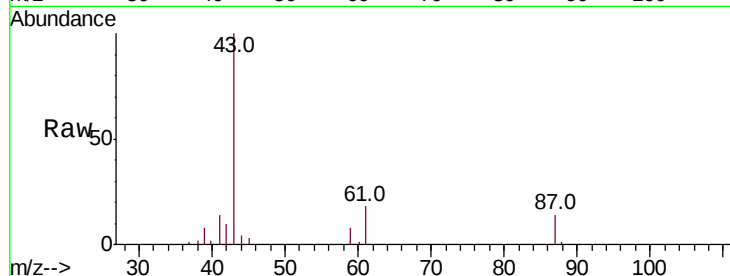
Tot Ion: 43 Resp: 52420

Ion Ratio Lower Upper

43 100

61 19.0 20.2 30.2#

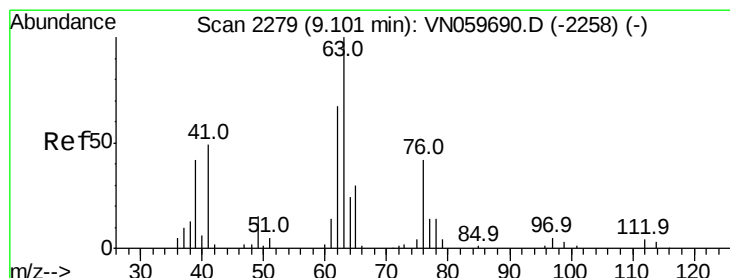
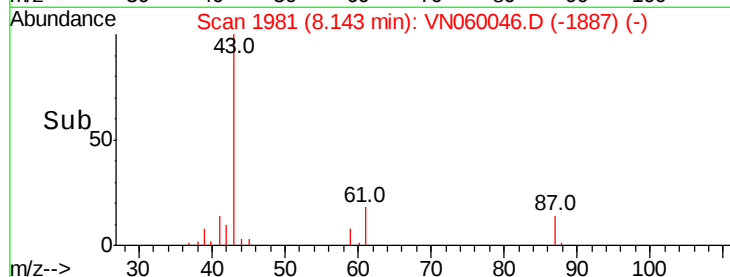
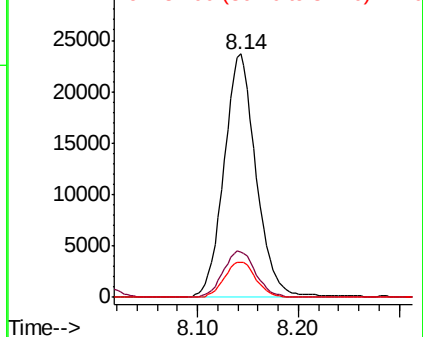
87 14.2 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.466 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN060046.D

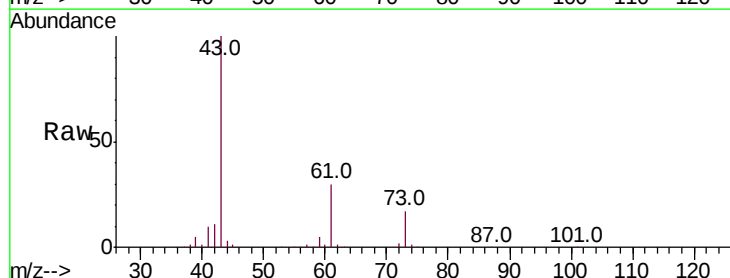
Acq: 10 Feb 2020 15:11

Tgt Ion: 63 Resp: 918

Ion Ratio Lower Upper

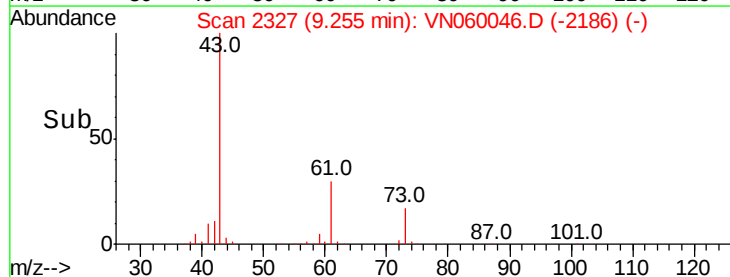
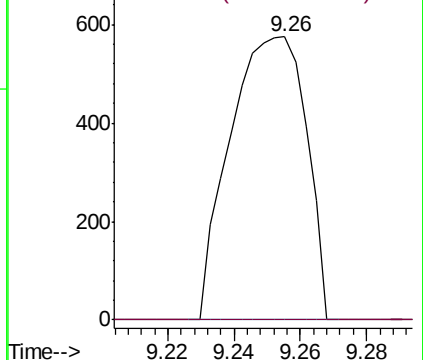
63 100

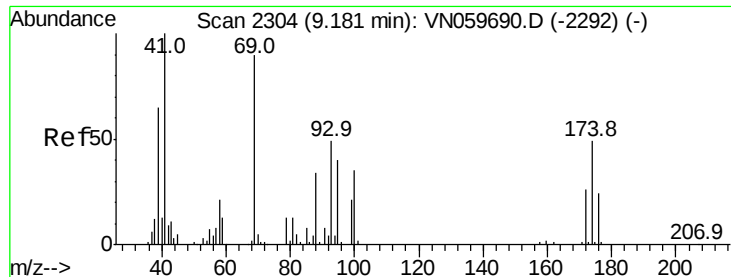
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#48

Methvl methacrylate

Concen: 1.650 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060046.D

Acq: 10 Feb 2020 15:11

Instrument :

MSVOA_N

ClientSampled :

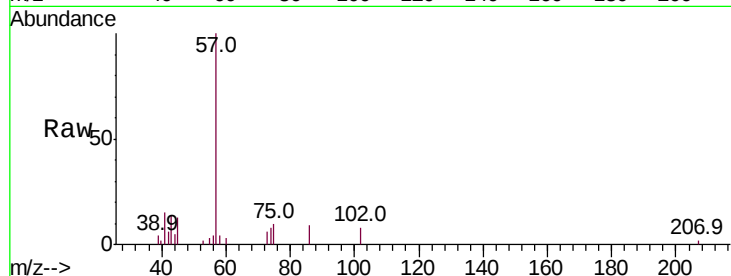
Tot Ion: 41 Resp: 3181

Ion Ratio Lower Upper

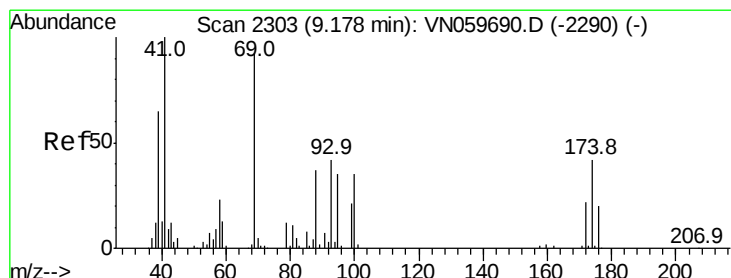
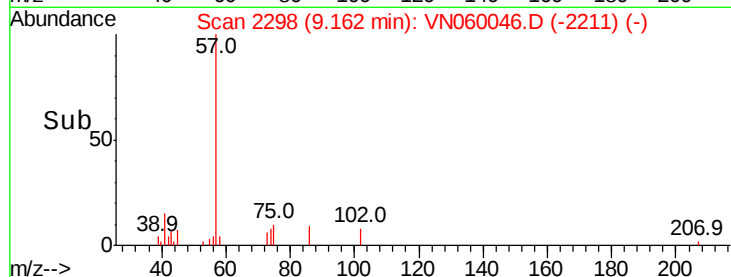
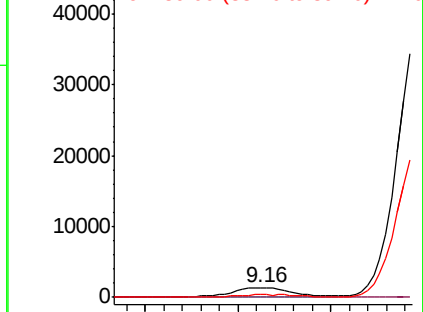
41 100

69 0.0 64.4 96.6#

39 0.0 51.3 76.9#



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



#49

1,4-Dioxane

Concen: 0.850 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.07 min

Lab File: VN060046.D

Acq: 10 Feb 2020 15:11

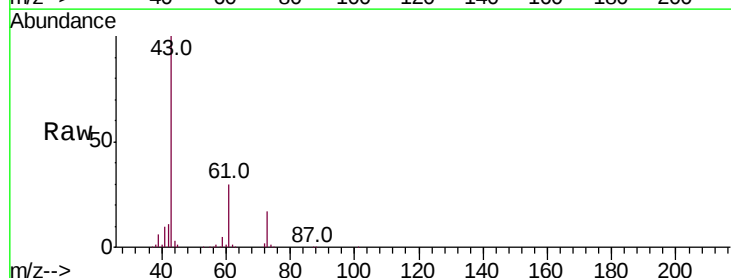
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

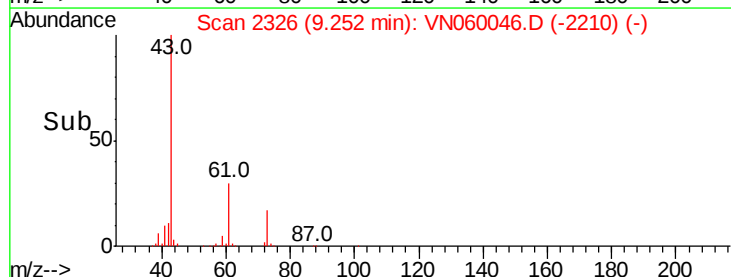
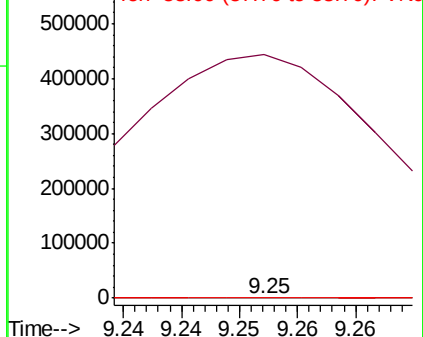
88 100

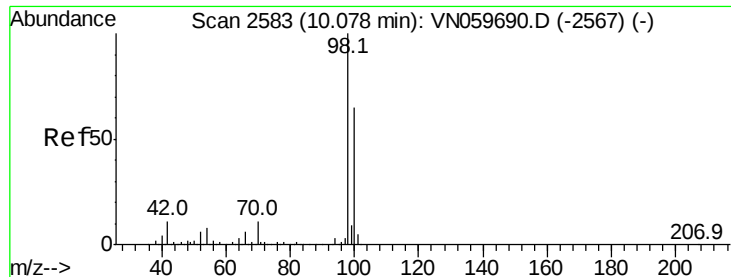
43 2758223.3 29.7 44.5#

58 11350.0 56.6 85.0#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 52.436 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060046.D

Acq: 10 Feb 2020 15:11

Instrument :

MSVOA_N

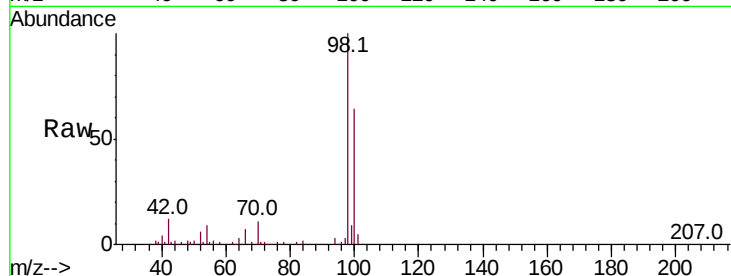
ClientSampled :

Tot Ion: 98 Resp: 371762

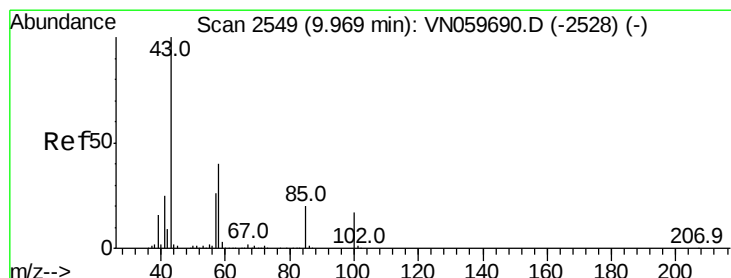
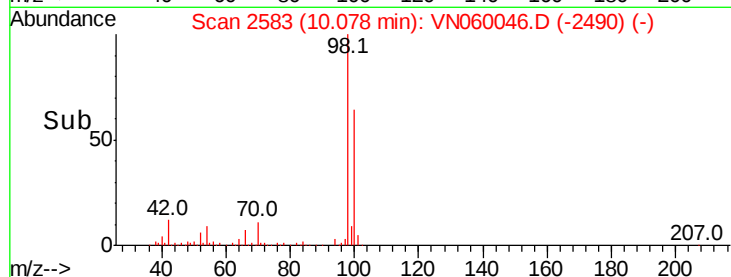
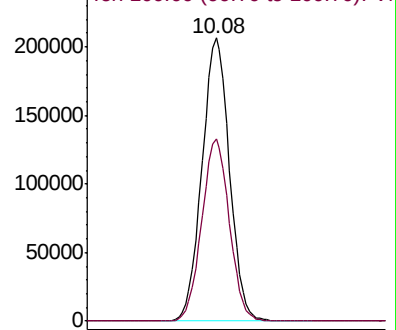
Ion Ratio Lower Upper

98 100

100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN060046.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.588 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060046.D

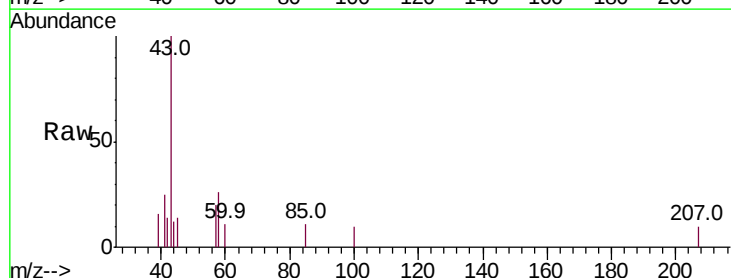
Acq: 10 Feb 2020 15:11

Tgt Ion: 43 Resp: 3956

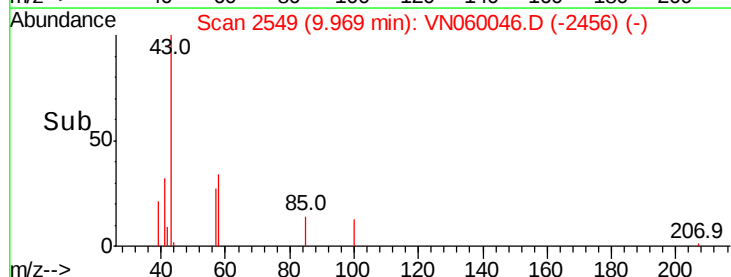
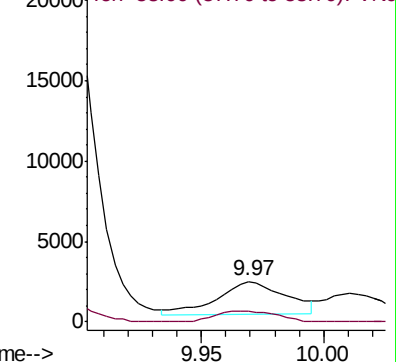
Ion Ratio Lower Upper

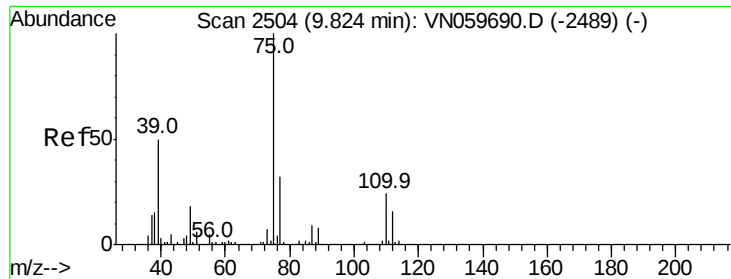
43 100

58 29.4 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VN060046.D (-2456) (-)





#54

cis-1,3-Dichloropropene

Concen: 7.294 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060046.D

Acq: 10 Feb 2020 15:11

Instrument :

MSVOA_N

ClientSampleId :

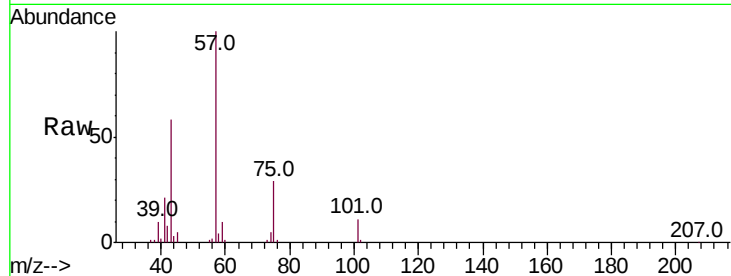
Tot Ion: 75 Resp: 24021

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

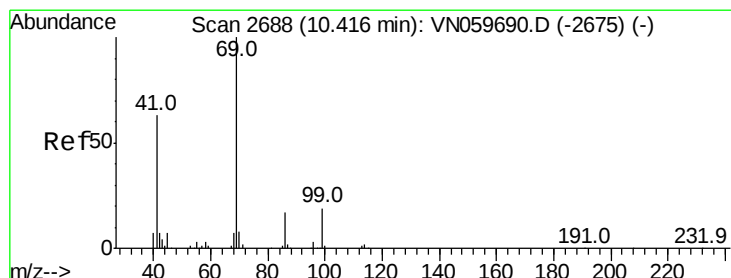
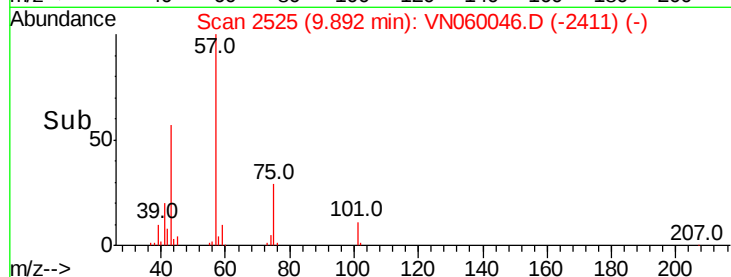
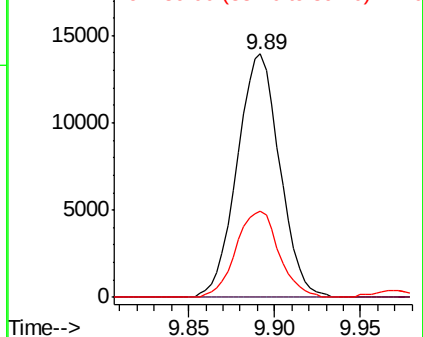
39 35.5 46.1 69.1#



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



#56

Ethyl methacrylate

Concen: 0.227 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. 0.12 min

Lab File: VN060046.D

Acq: 10 Feb 2020 15:11

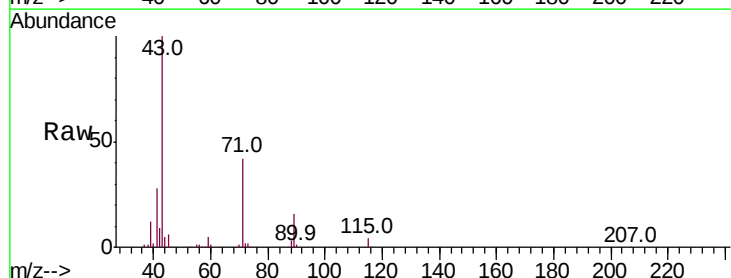
Tgt Ion: 69 Resp: 690

Ion Ratio Lower Upper

69 100

41 7723.2 57.1 85.7#

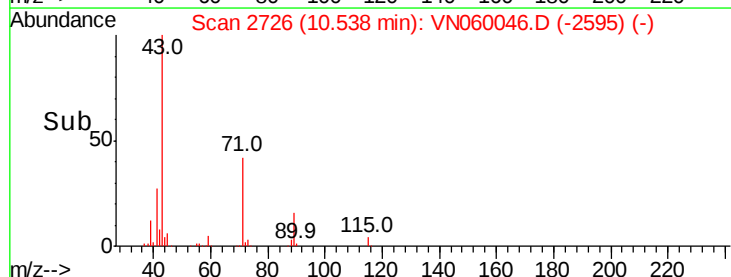
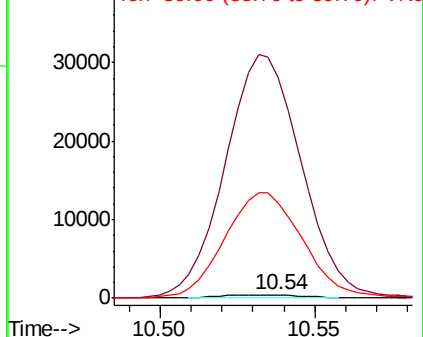
39 3427.4 34.7 52.1#

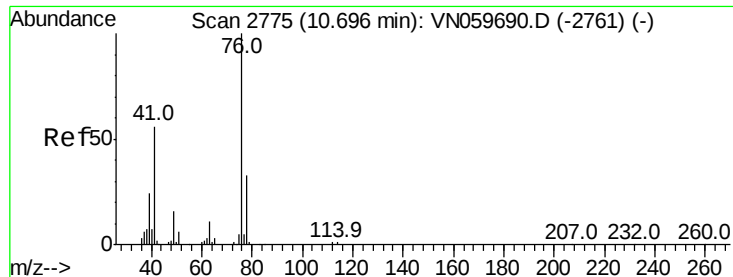


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.260 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN060046.D

Acq: 10 Feb 2020 15:11

Instrument :

MSVOA_N

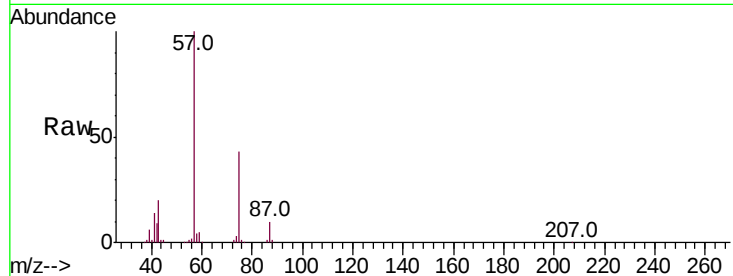
ClientSampled :

Tot Ion: 76 Resp: 3988

Ion Ratio Lower Upper

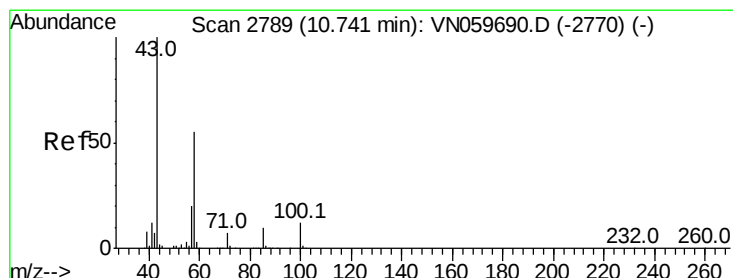
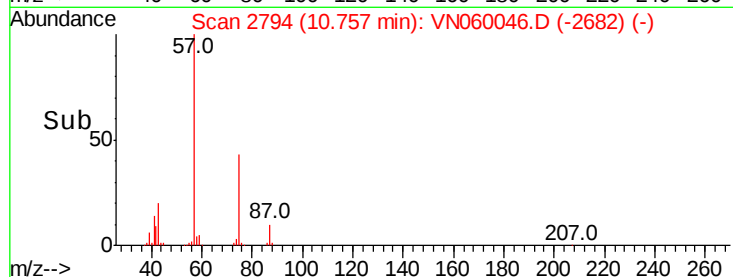
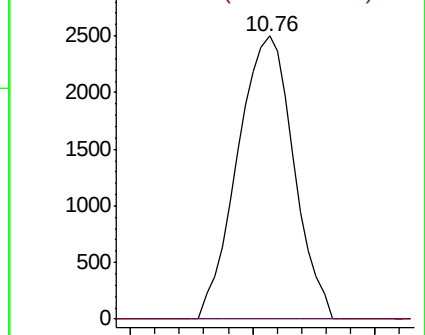
76 100

78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 30.172 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060046.D

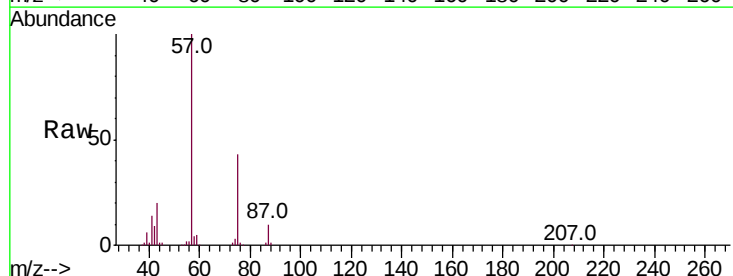
Acq: 10 Feb 2020 15:11

Tgt Ion: 43 Resp: 55390

Ion Ratio Lower Upper

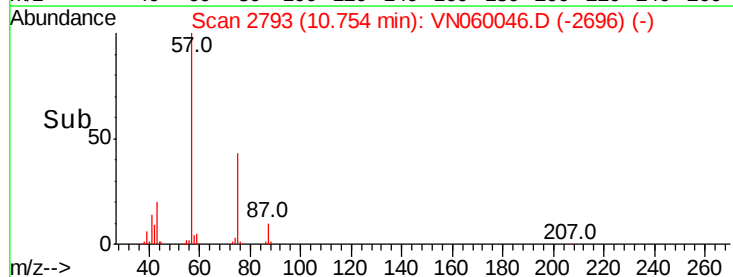
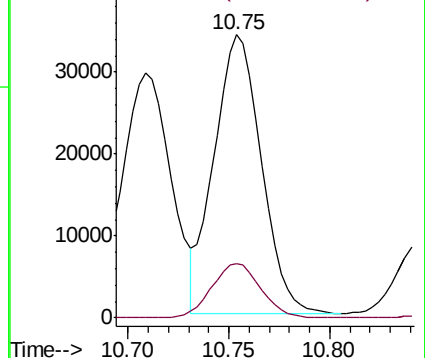
43 100

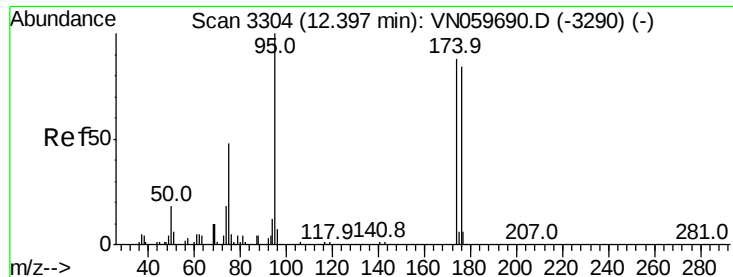
58 20.1 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

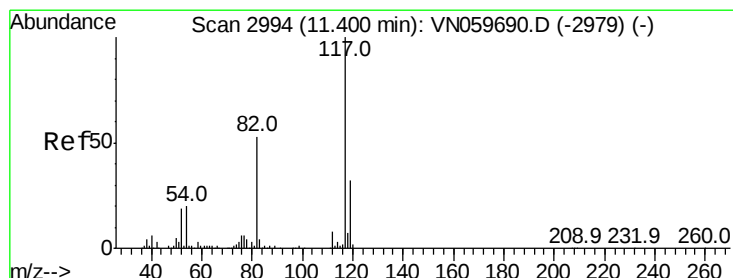
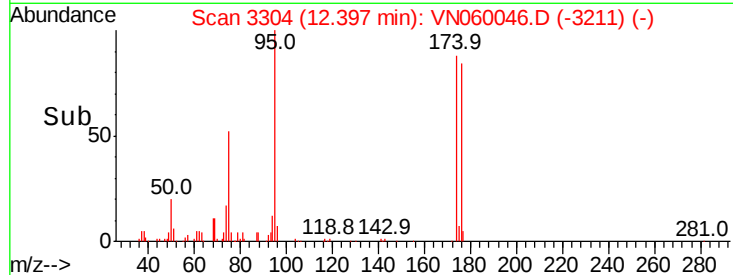
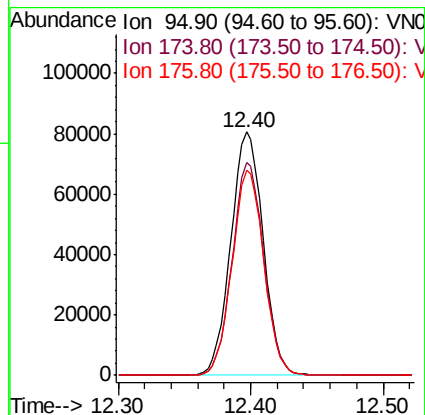
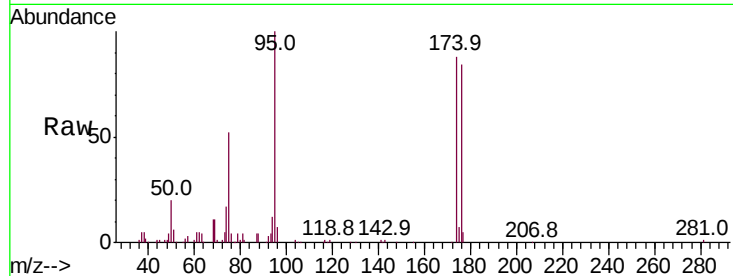




#62
4-Bromofluorobenzene
Concen: 53.370 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060046.D
Acq: 10 Feb 2020 15:11

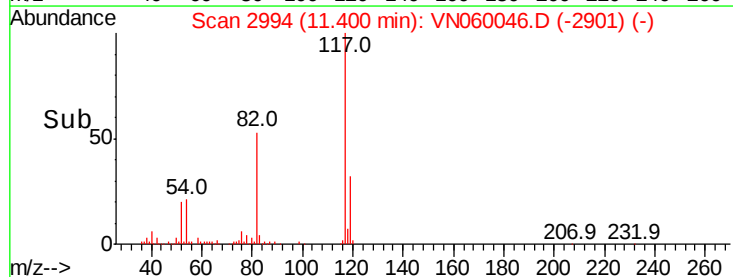
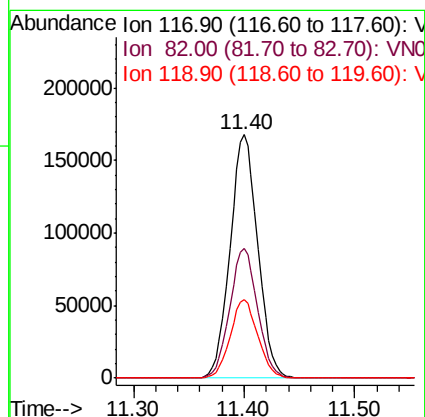
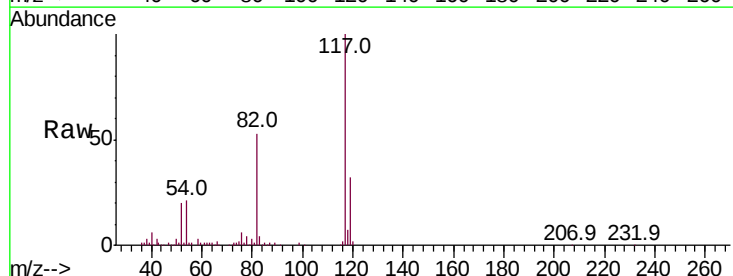
Instrument :
MSVOA_N
ClientSampleId :

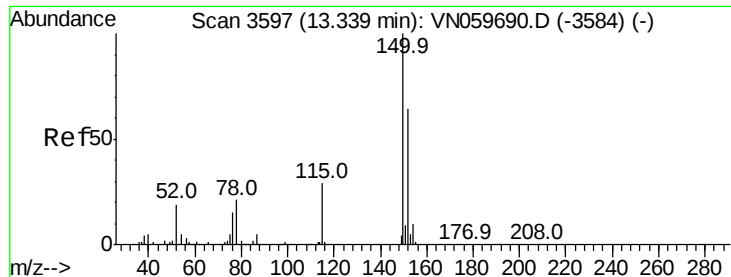
Tot Ion: 95 Resp: 136405
Ion Ratio Lower Upper
95 100
174 85.3 0.0 151.4
176 82.9 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060046.D
Acq: 10 Feb 2020 15:11

Tgt Ion: 117 Resp: 291636
Ion Ratio Lower Upper
117 100
82 53.1 45.9 68.9
119 32.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060046.D

Acq: 10 Feb 2020 15:11

Instrument :

MSVOA_N

ClientSampleId :

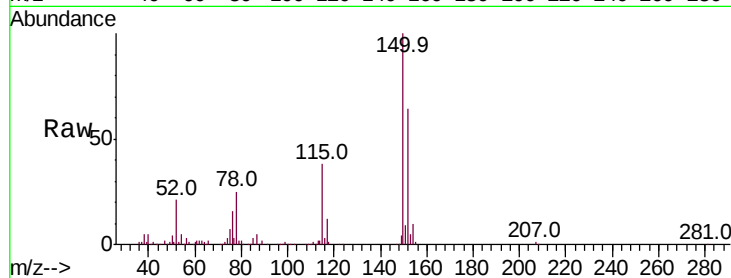
Tot Ion:152 Resp: 135884

Ion Ratio Lower Upper

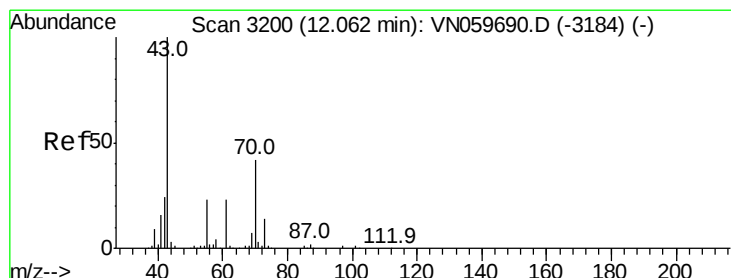
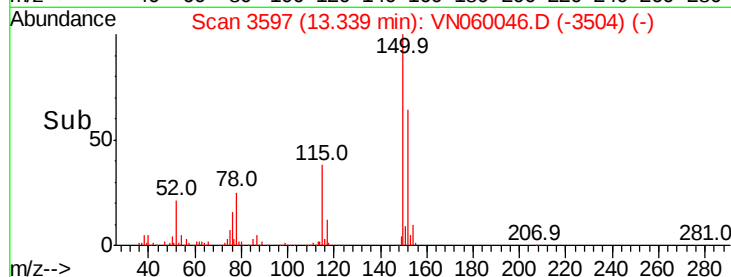
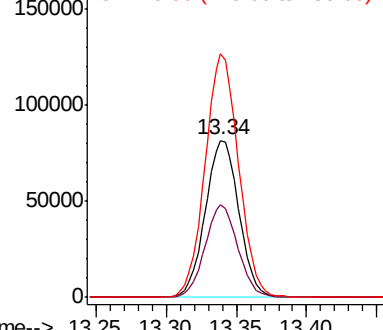
152 100

115 57.5 30.3 90.9

150 154.6 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: 0.832 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.03 min

Lab File: VN060046.D

Acq: 10 Feb 2020 15:11

Tgt Ion: 43 Resp: 3217

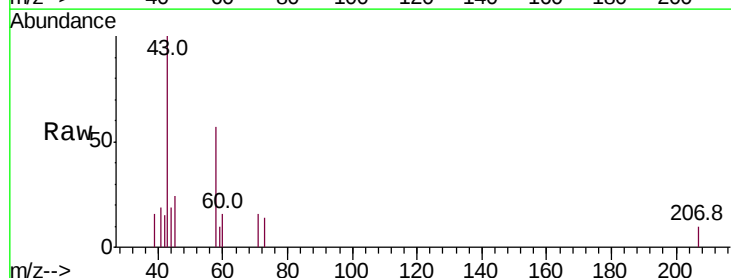
Ion Ratio Lower Upper

43 100

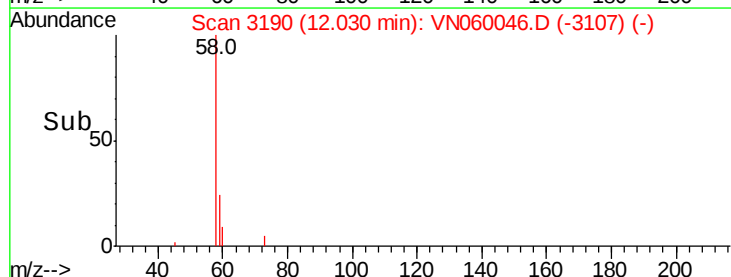
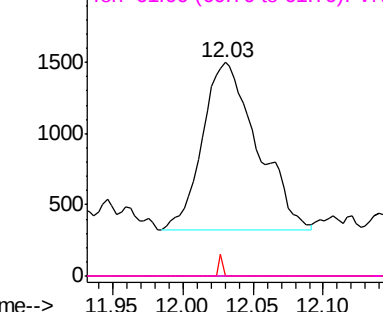
70 0.0 31.3 46.9#

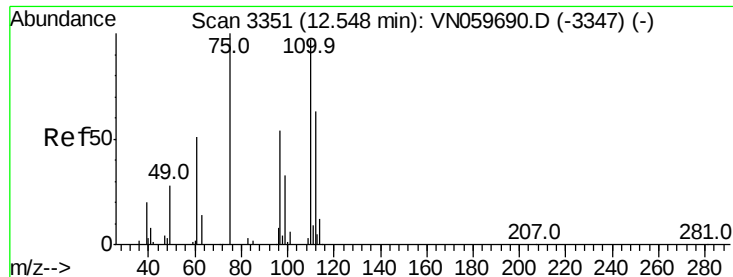
55 0.0 19.8 29.6#

61 0.0 18.3 27.5#



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 70.00 (69.70 to 70.70): VN
Ion 55.00 (54.70 to 55.70): VN
Ion 61.00 (60.70 to 61.70): VN





#76

1,2,3-Trichloropropane

Concen: 30.735 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060046.D

Acq: 10 Feb 2020 15:11

Instrument :

MSVOA_N

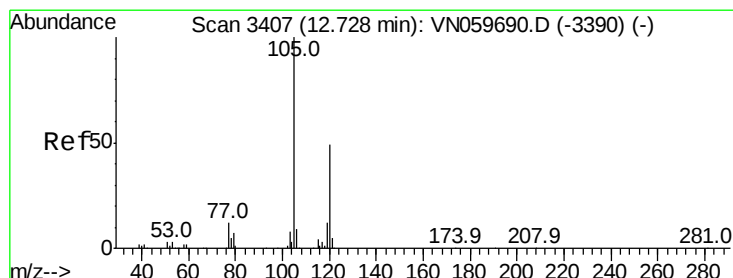
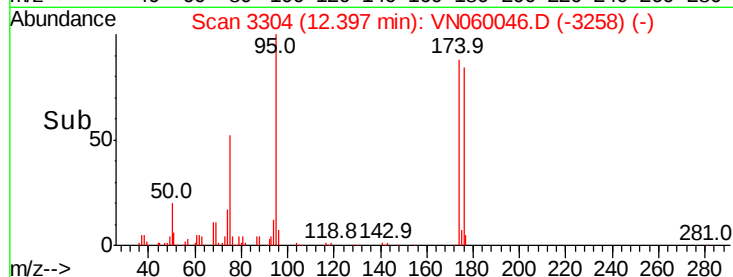
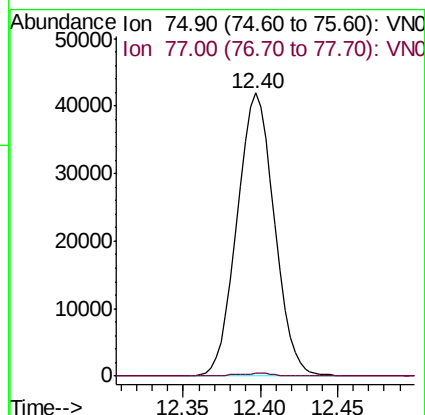
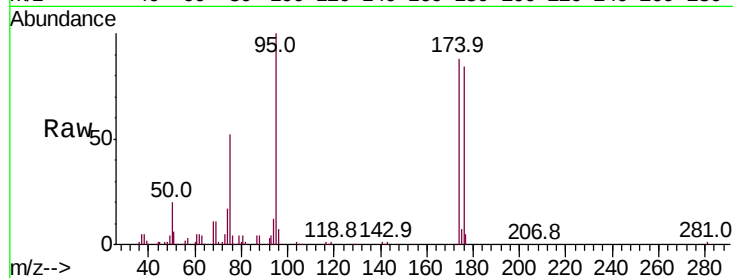
ClientSampled :

Tot Ion: 75 Resp: 70285

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.277 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060046.D

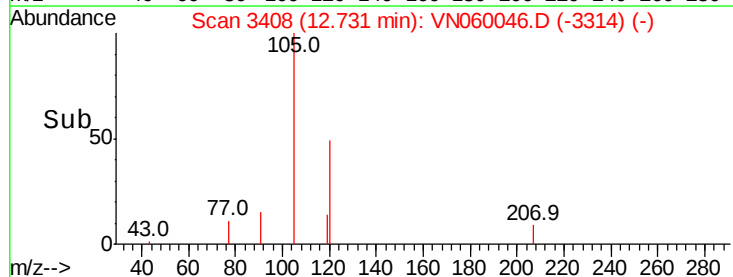
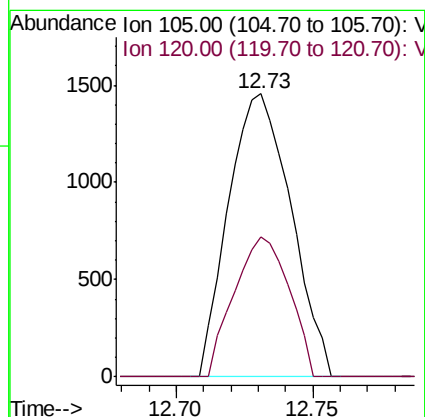
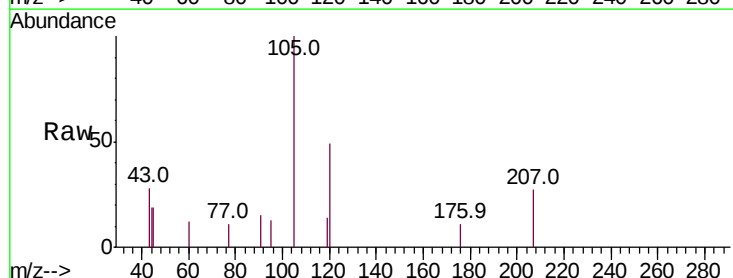
Acq: 10 Feb 2020 15:11

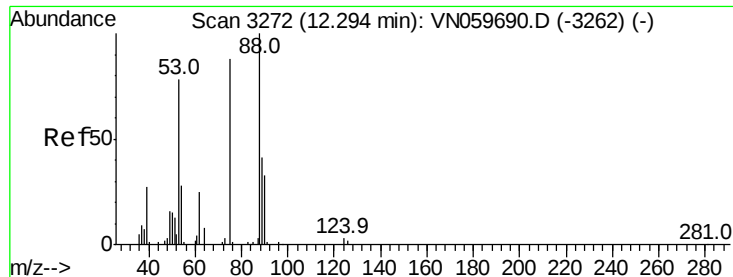
Tgt Ion: 105 Resp: 2319

Ion Ratio Lower Upper

105 100

120 43.6 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 66.004 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060046.D

Acq: 10 Feb 2020 15:11

Instrument :

MSVOA_N

ClientSampled :

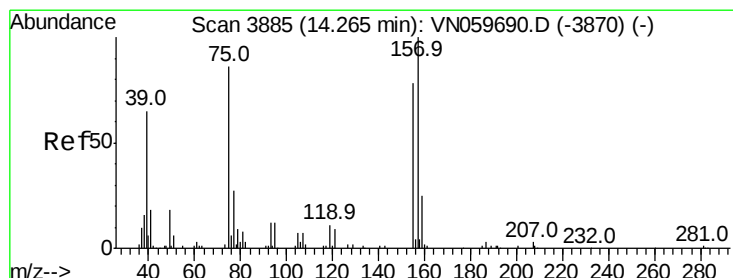
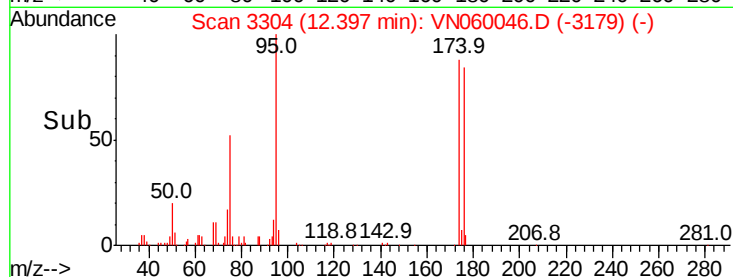
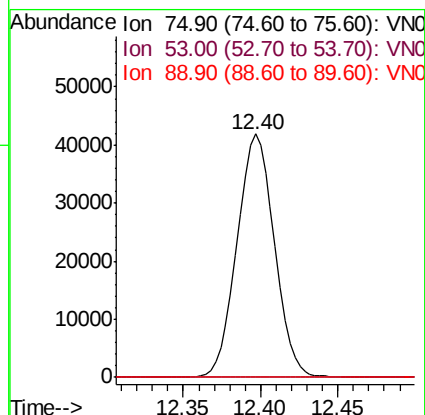
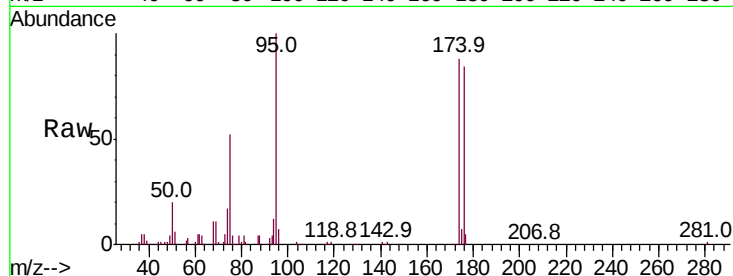
Tot Ion: 75 Resp: 70285

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: 14.28 min Scan# 3889

Delta R.T. 0.01 min

Lab File: VN060046.D

Acq: 10 Feb 2020 15:11

Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

