

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060047.D
 Acq On : 10 Feb 2020 15:33
 Operator : JC/MD
 Sample : PB126661ZHE#14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 11 07:09:25 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	196382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	306119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132639	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	114858	52.67	ug/l	0.00
Spiked Amount						
			Recovery	=	105.34%	
35) Dibromofluoromethane	7.57	113	94179	51.59	ug/l	0.00
Spiked Amount						
			Recovery	=	103.18%	
50) Toluene-d8	10.08	98	373965	52.87	ug/l	0.00
Spiked Amount						
			Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.40	95	136683	53.61	ug/l	0.00
Spiked Amount						
			Recovery	=	107.22%	

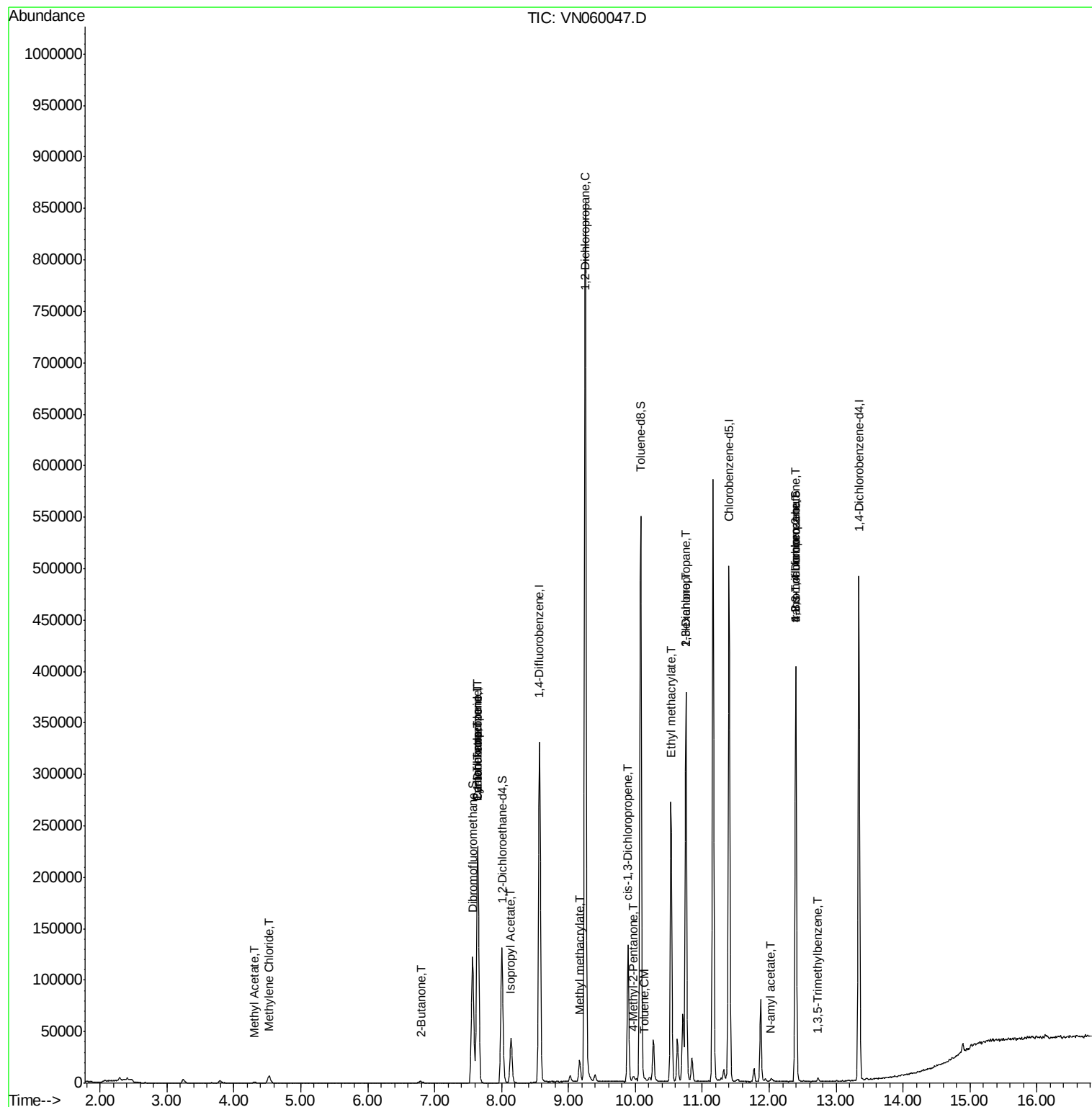
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4309	Below Cal		100
18) Methyl Acetate	4.30	43	1237	0.486	ug/l #	54
20) Methylene Chloride	4.53	84	5736	1.656	ug/l	94
25) 2-Butanone	6.82	43	1412	1.143	ug/l #	50
31) Cyclohexane	7.64	56	3799	1.177	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14080	5.282	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18797	6.482	ug/l #	16
43) Isopropyl Acetate	8.14	43	52022	12.096	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	882	0.448	ug/l #	44
48) Methyl methacrylate	9.16	41	3271	1.700	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3310	1.331	ug/l	93
52) Toluene	10.14	92	1039	0.207	ug/l	88
54) cis-1,3-Dichloropropene	9.89	75	25323	7.707	ug/l #	57
56) Ethyl methacrylate	10.53	69	635	0.209	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	3756	1.189	ug/l #	42
59) 2-Hexanone	10.75	43	54980	30.020	ug/l #	55
74) N-amyl acetate	12.03	43	2570	0.681	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	69386	31.084	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2162	0.264	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	69386	66.754	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.29	75	94	Below Cal	#	6

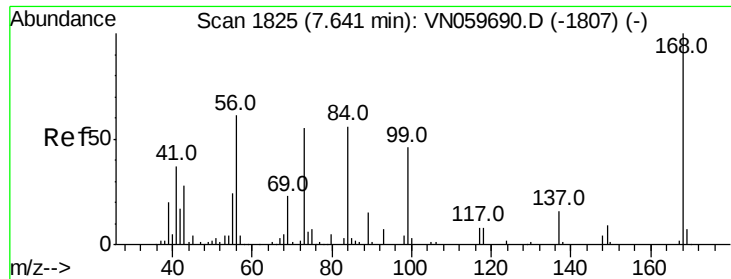
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021020\
Data File : VN060047.D
Acq On : 10 Feb 2020 15:33
Operator : JC/MD
Sample : PB126661ZHE#14
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 11 07:09:25 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: VN060047.D

Acq: 10 Feb 2020 15:33

Instrument :

MSVOA_N

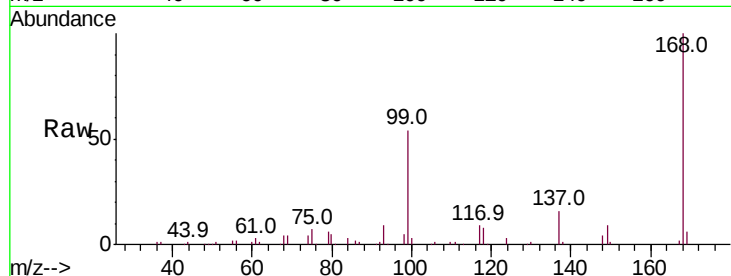
ClientSampled :

Tot Ion:168 Resp: 196382

Ion Ratio Lower Upper

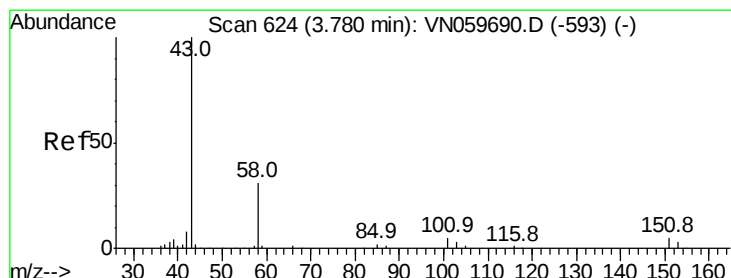
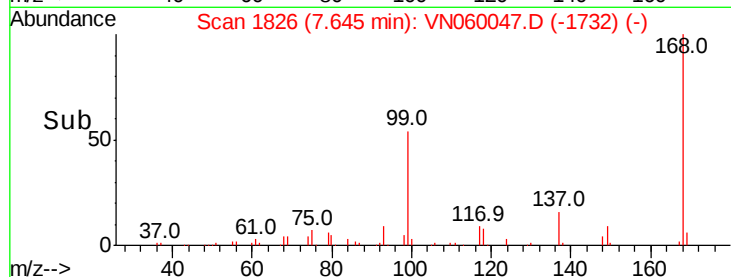
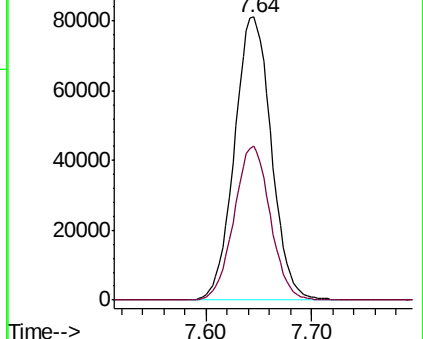
168 100

99 54.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060047.D

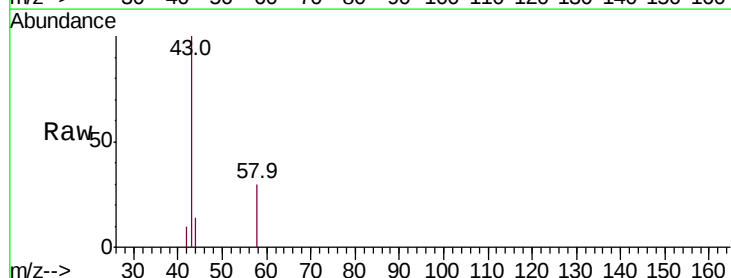
Acq: 10 Feb 2020 15:33

Tgt Ion: 43 Resp: 4309

Ion Ratio Lower Upper

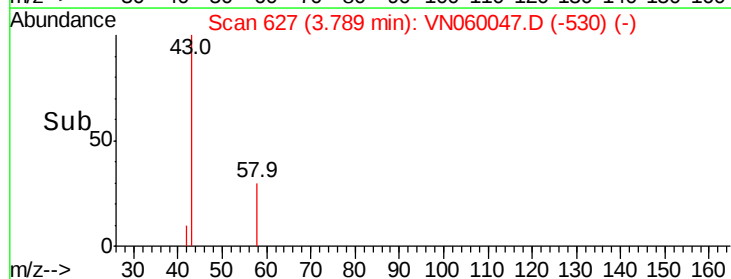
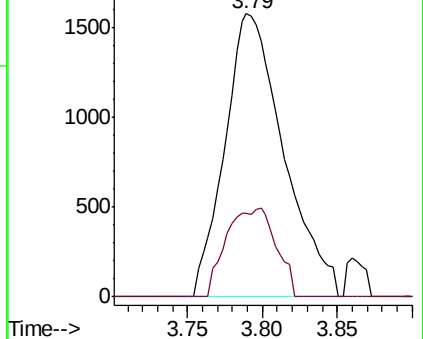
43 100

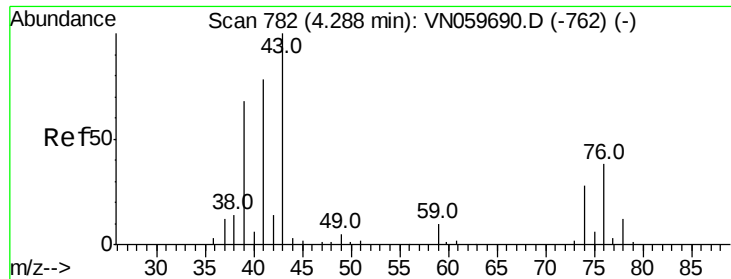
58 29.5 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

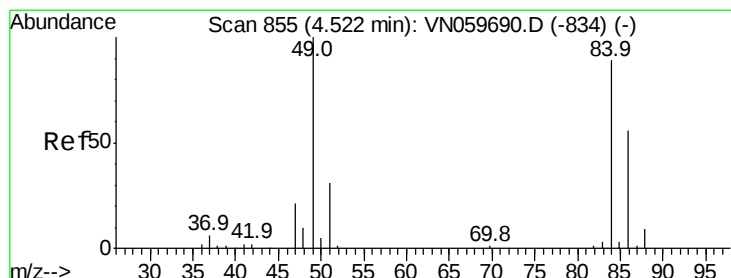
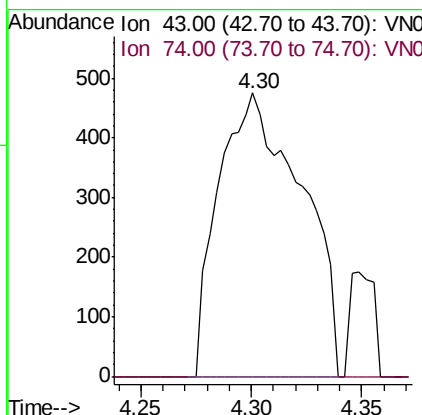
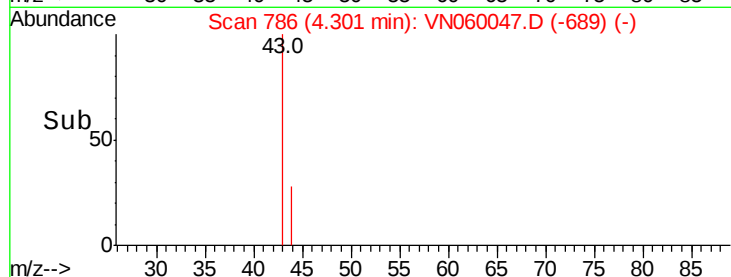
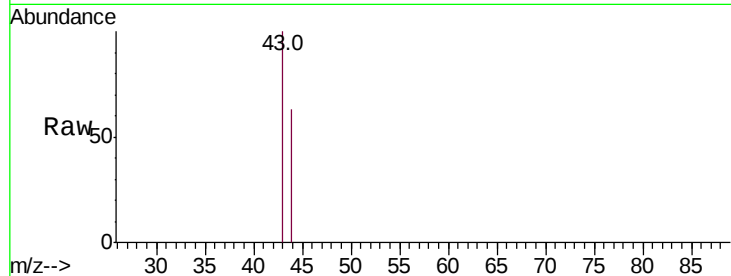




#18
Methyl Acetate
Concen: 0.486 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060047.D
Acq: 10 Feb 2020 15:33

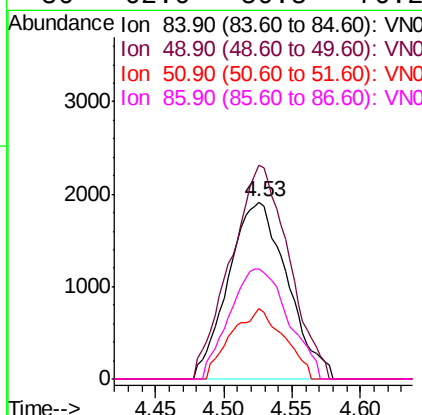
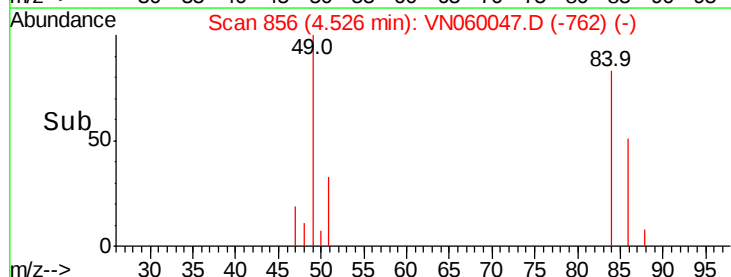
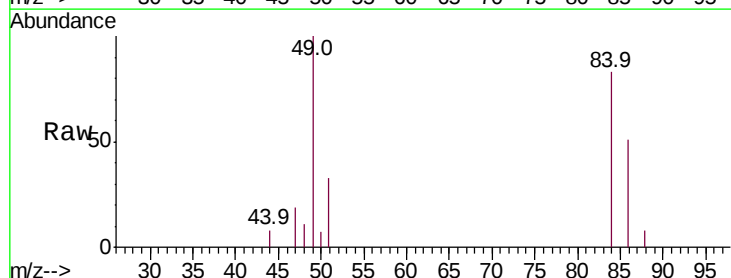
Instrument :
MSVOA_N
ClientSampled :

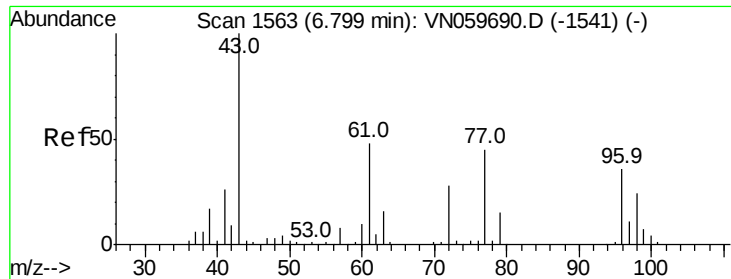
Tot Ion: 43 Resp: 1237
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.656 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060047.D
Acq: 10 Feb 2020 15:33

Tgt Ion: 84 Resp: 5736
Ion Ratio Lower Upper
84 100
49 120.9 106.6 160.0
51 39.9 31.9 47.9
86 62.0 50.8 76.2





#25

2-Butanone

Concen: 1.143 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.02 min

Lab File: VN060047.D

Acq: 10 Feb 2020 15:33

Instrument :

MSVOA_N

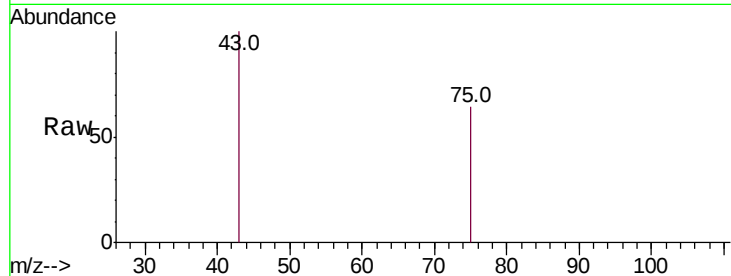
ClientSampleId :

Tot Ion: 43 Resp: 1412

Ion Ratio Lower Upper

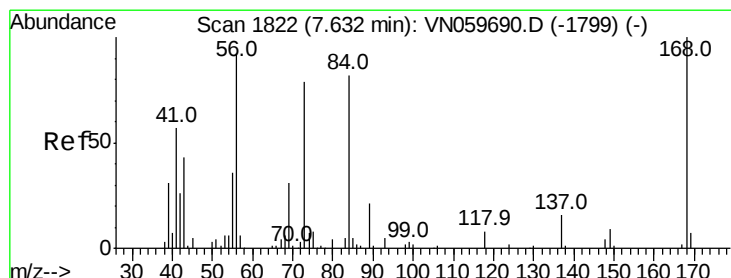
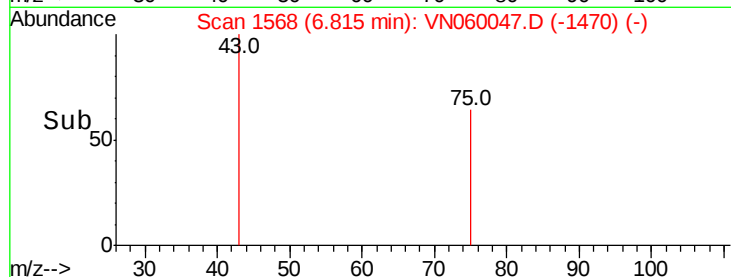
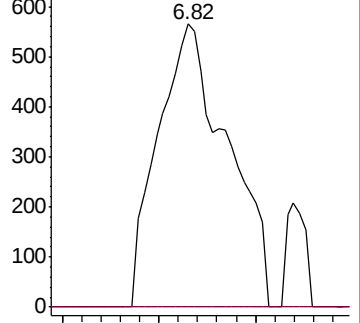
43 100

72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 1.177 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060047.D

Acq: 10 Feb 2020 15:33

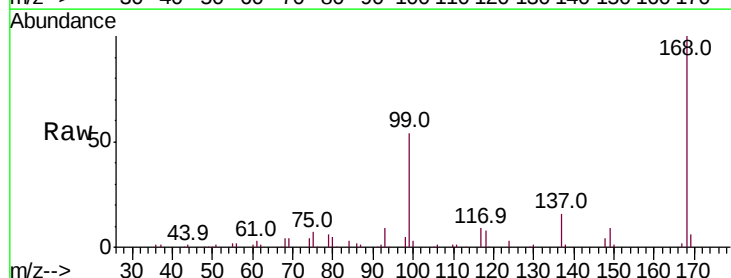
Tgt Ion: 56 Resp: 3799

Ion Ratio Lower Upper

56 100

69 183.6 26.5 39.7#

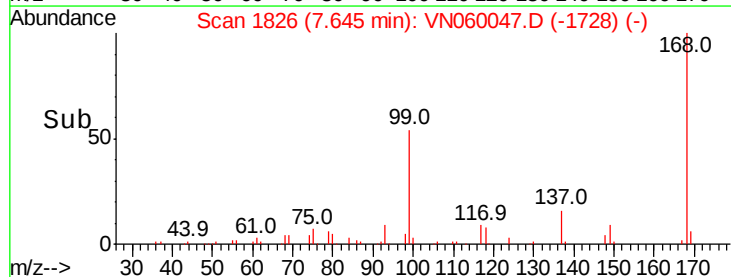
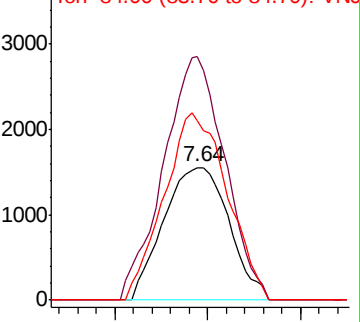
84 135.8 65.3 97.9#

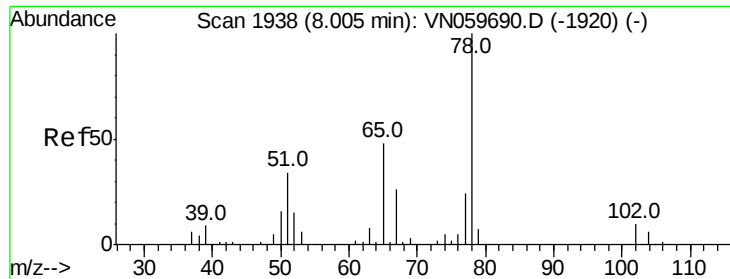


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

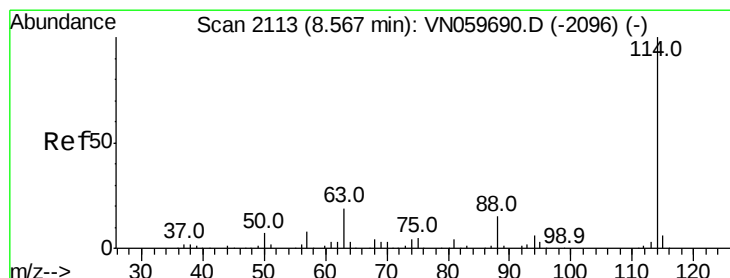
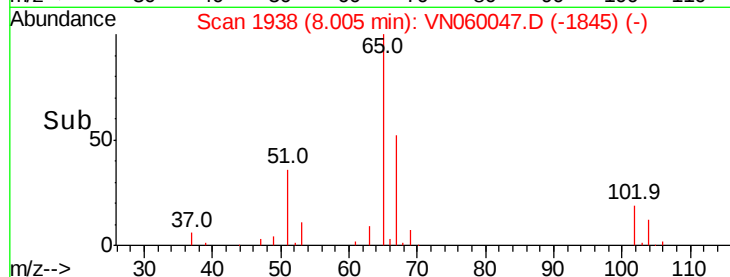
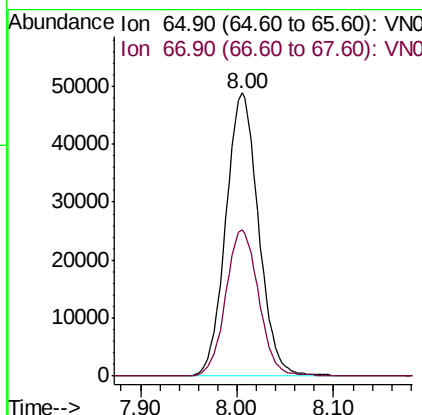
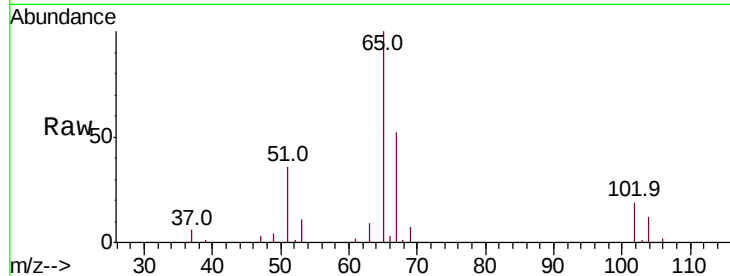




#33
 1,2-Dichloroethane-d4
 Concen: 52.666 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060047.D
 Acq: 10 Feb 2020 15:33

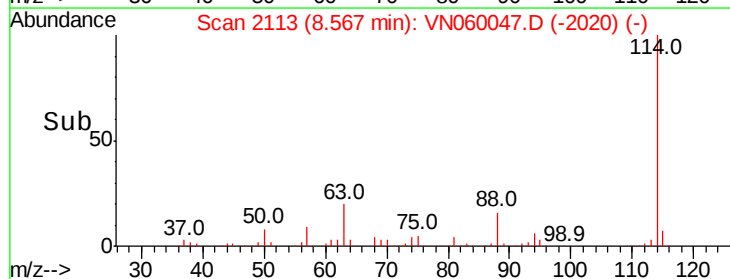
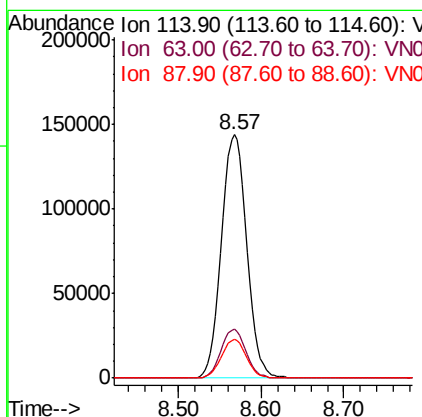
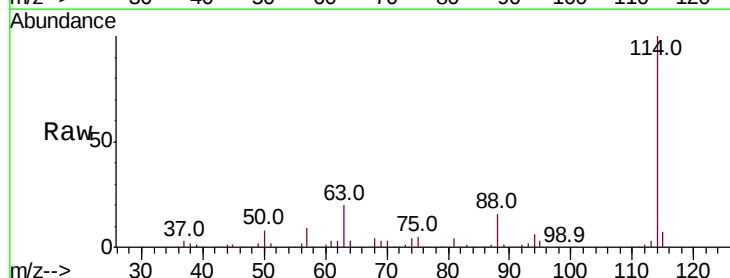
Instrument :
 MSVOA_N
 ClientSampleId :

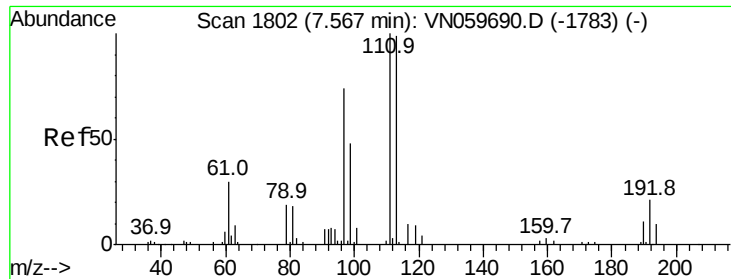
Tot Ion: 65 Resp: 114858
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060047.D
 Acq: 10 Feb 2020 15:33

Tgt Ion: 114 Resp: 306119
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 43.6
 88 16.0 0.0 31.4

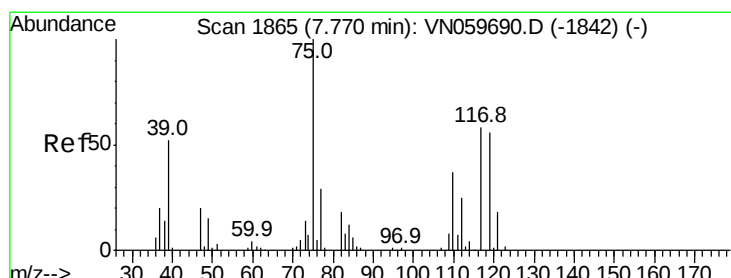
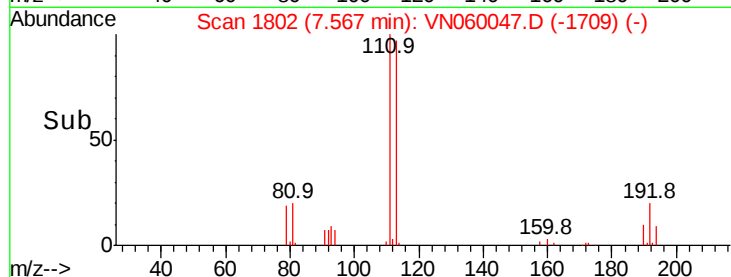
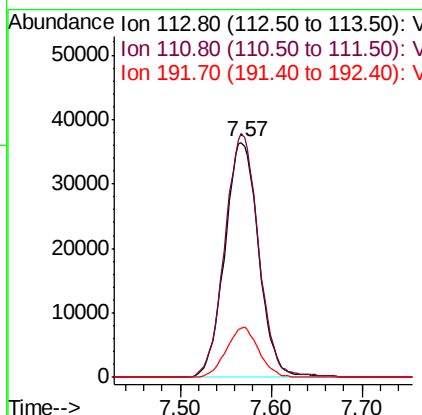
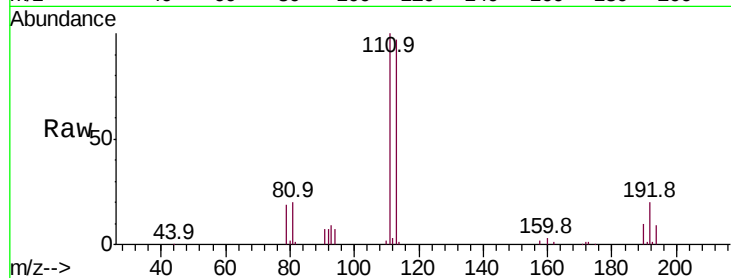




#35
 Dibromofluoromethane
 Concen: 51.590 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060047.D
 Acq: 10 Feb 2020 15:33

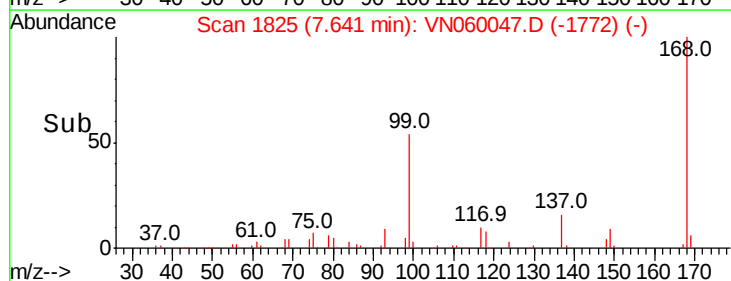
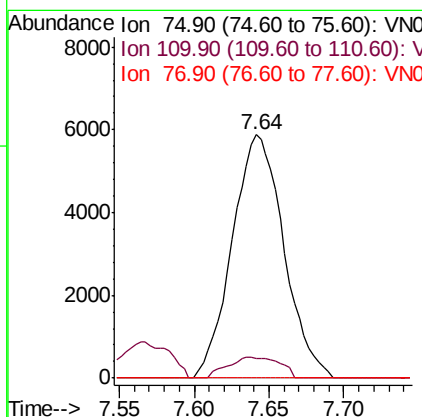
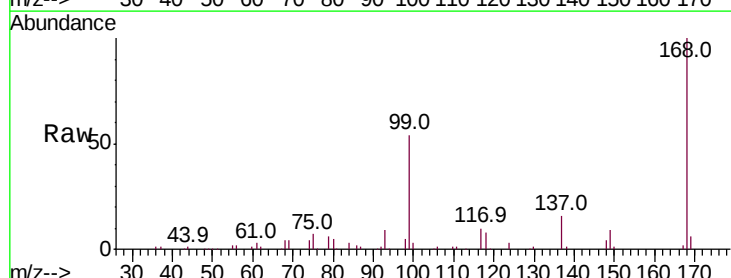
Instrument :
 MSVOA_N
 ClientSampleId :

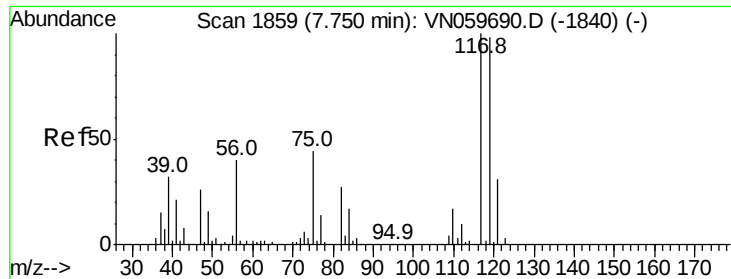
Tot Ion:113 Resp: 94179
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.5 125.3
 192 20.3 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.282 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060047.D
 Acq: 10 Feb 2020 15:33

Tgt Ion: 75 Resp: 14080
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.6 49.7#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.482 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060047.D

Acq: 10 Feb 2020 15:33

Instrument :

MSVOA_N

ClientSampled :

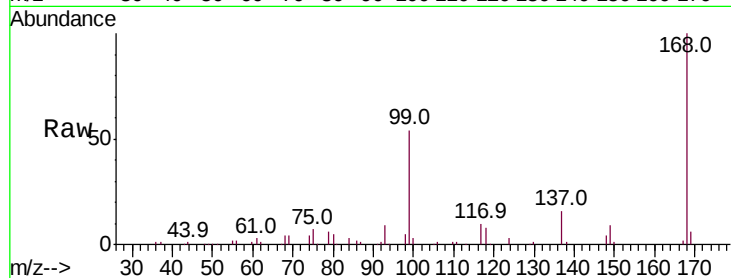
Tot Ion:117 Resp: 18797

Ion Ratio Lower Upper

117 100

119 5.0 76.5 114.7#

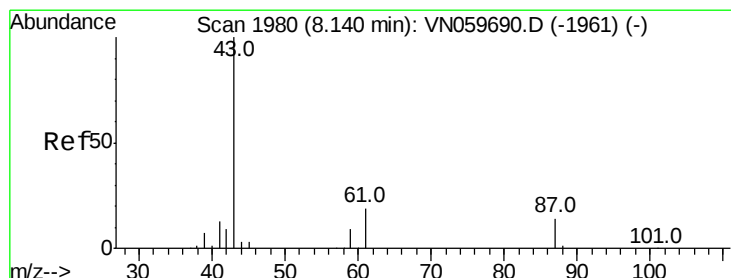
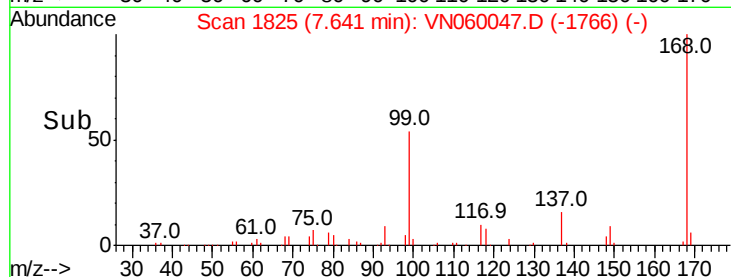
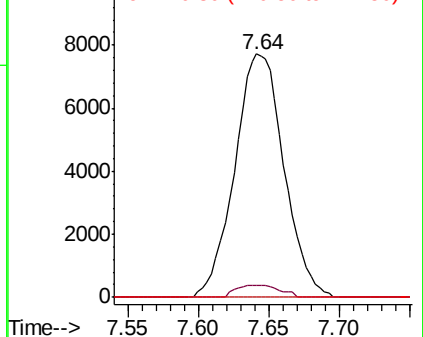
121 0.0 25.1 37.7#



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



#43

Isopropyl Acetate

Concen: 12.096 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060047.D

Acq: 10 Feb 2020 15:33

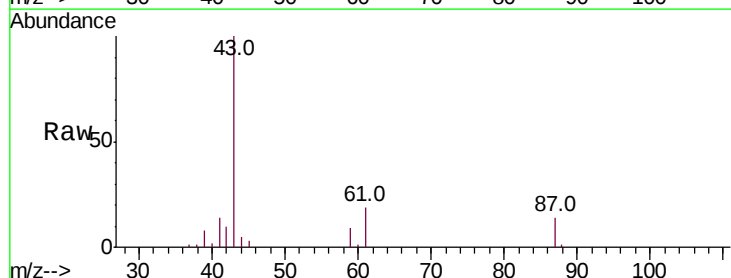
Tgt Ion: 43 Resp: 52022

Ion Ratio Lower Upper

43 100

61 19.2 20.2 30.2#

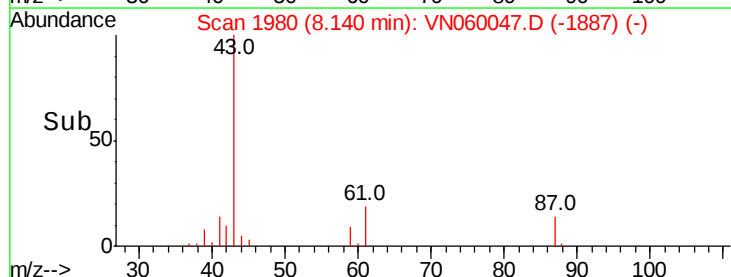
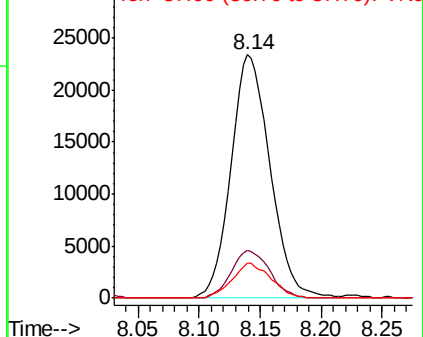
87 14.1 9.5 14.3

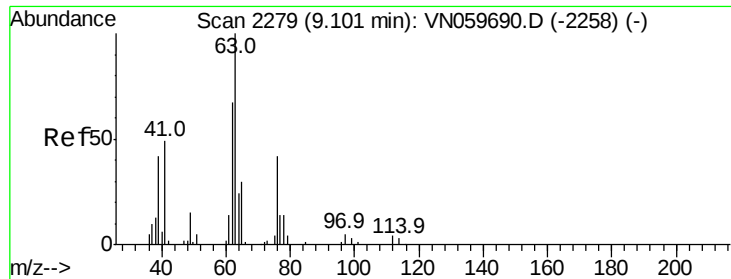


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.448 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060047.D

Acq: 10 Feb 2020 15:33

Instrument :

MSVOA_N

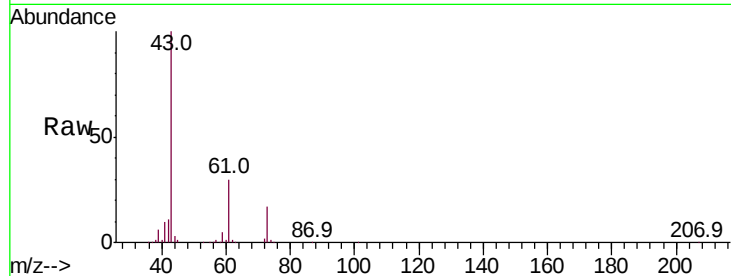
ClientSampleId :

Tot Ion: 63 Resp: 882

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

9.25

800

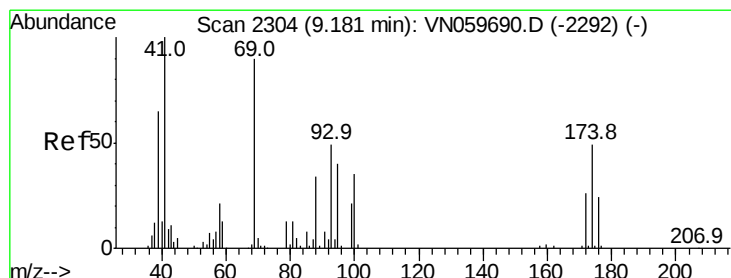
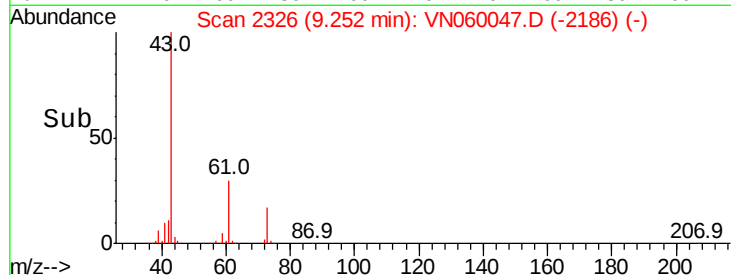
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.700 ug/l

RT: 9.16 min Scan# 2297

Delta R.T. -0.02 min

Lab File: VN060047.D

Acq: 10 Feb 2020 15:33

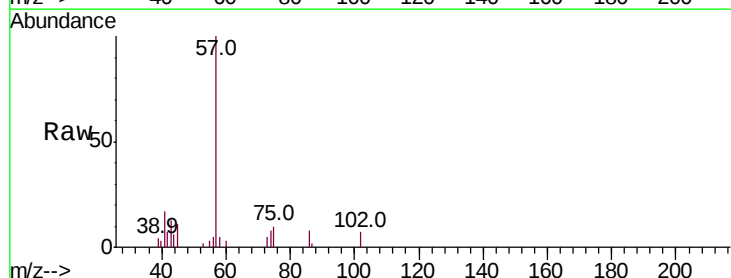
Tgt Ion: 41 Resp: 3271

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

40000

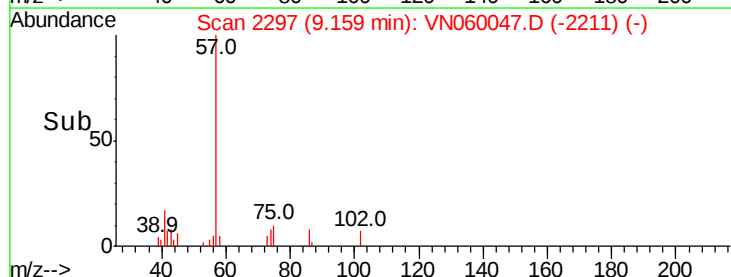
30000

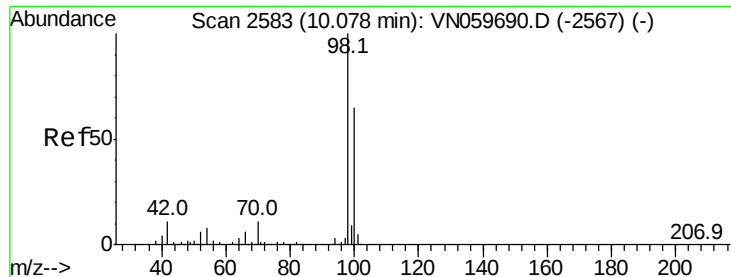
20000

10000

0

Time-->





#50

Toluene-d8

Concen: 52.872 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060047.D

Acq: 10 Feb 2020 15:33

Instrument :

MSVOA_N

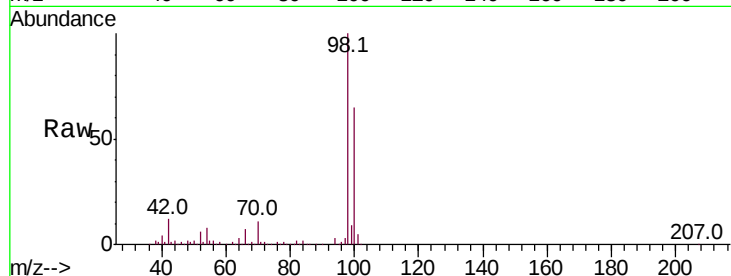
ClientSampled :

Tot Ion: 98 Resp: 373965

Ion Ratio Lower Upper

98 100

100 64.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

200000

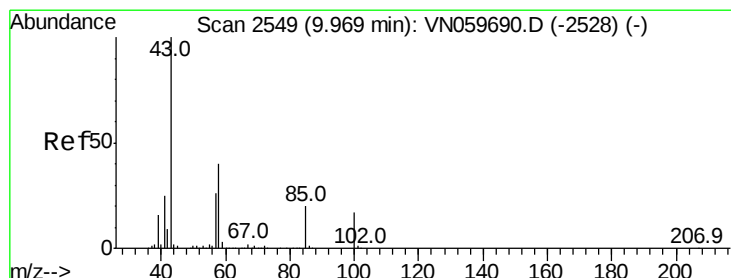
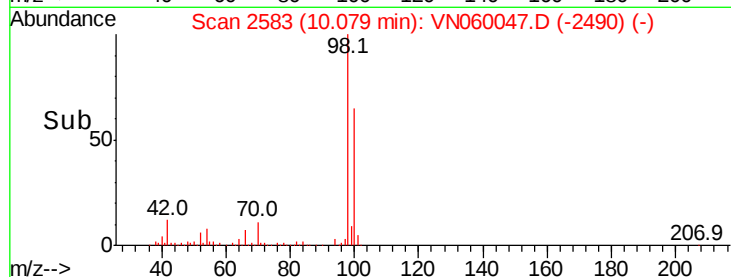
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.331 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060047.D

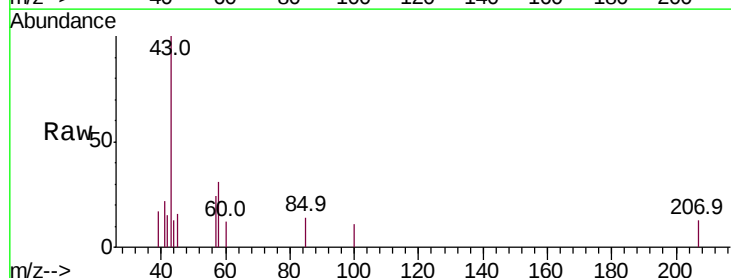
Acq: 10 Feb 2020 15:33

Tgt Ion: 43 Resp: 3310

Ion Ratio Lower Upper

43 100

58 41.7 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

2500

2000

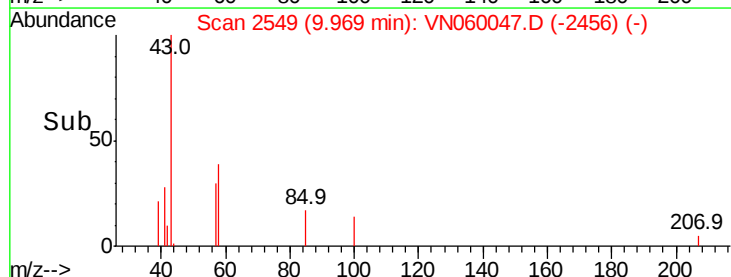
1500

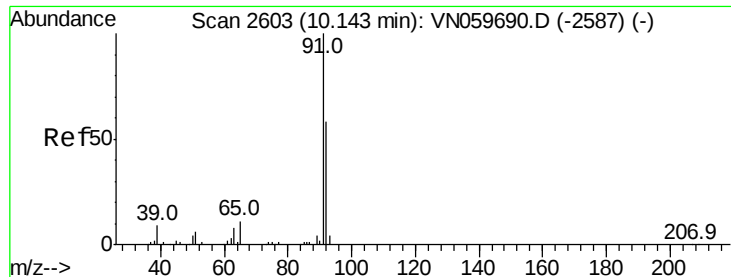
1000

500

0

Time-->





#52

Toluene

Concen: 0.207 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060047.D

Acq: 10 Feb 2020 15:33

Instrument :

MSVOA_N

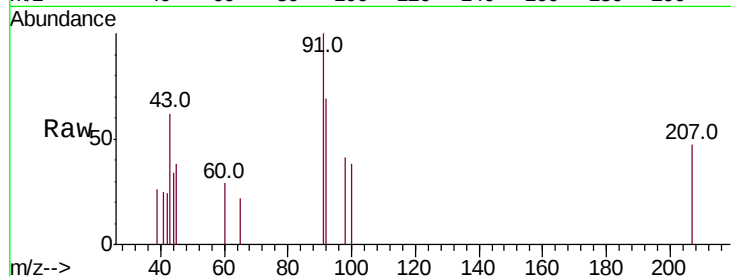
ClientSampled :

Tot Ion: 92 Resp: 1039

Ion Ratio Lower Upper

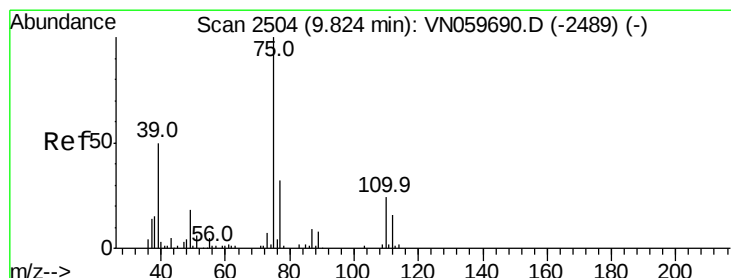
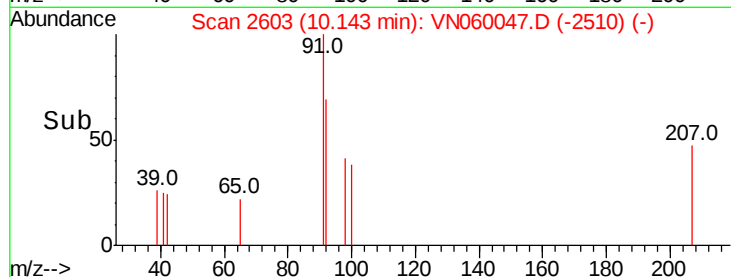
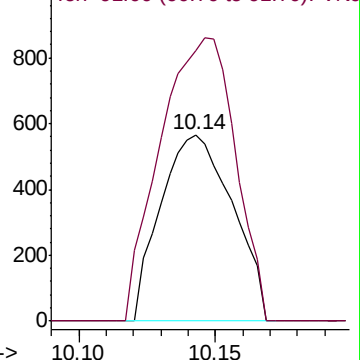
92 100

91 158.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 7.707 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060047.D

Acq: 10 Feb 2020 15:33

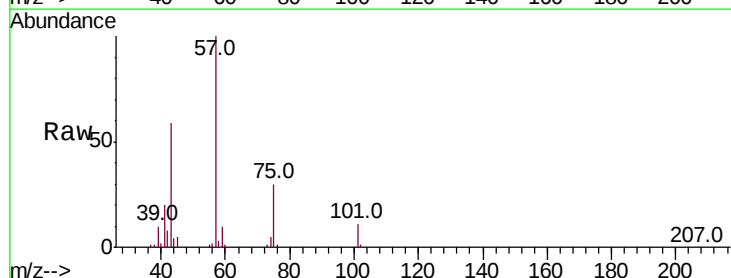
Tgt Ion: 75 Resp: 25323

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

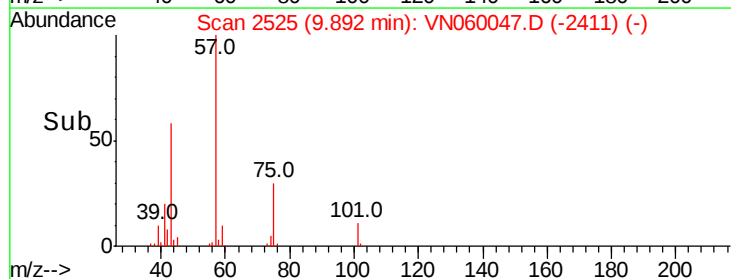
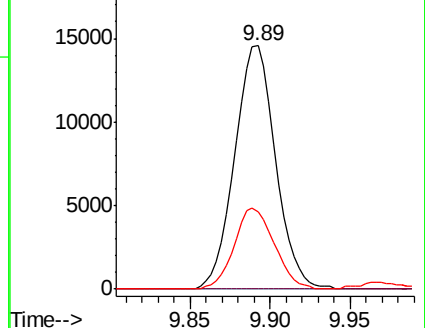
39 31.8 46.1 69.1#

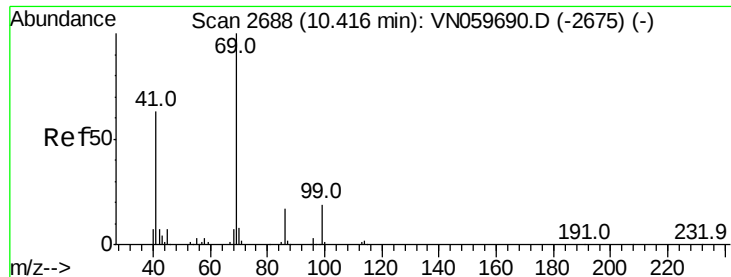


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.209 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.12 min

Lab File: VN060047.D

Acq: 10 Feb 2020 15:33

Instrument :

MSVOA_N

ClientSampled :

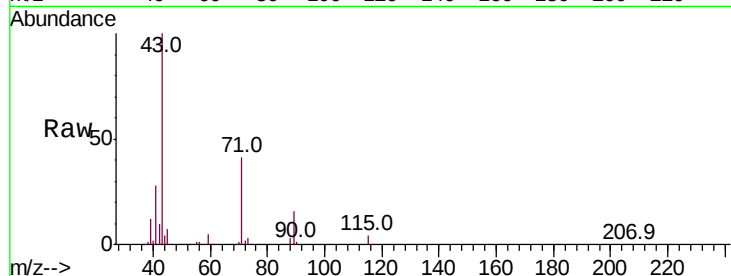
Tot Ion: 69 Resp: 635

Ion Ratio Lower Upper

69 100

41 8349.3 57.1 85.7#

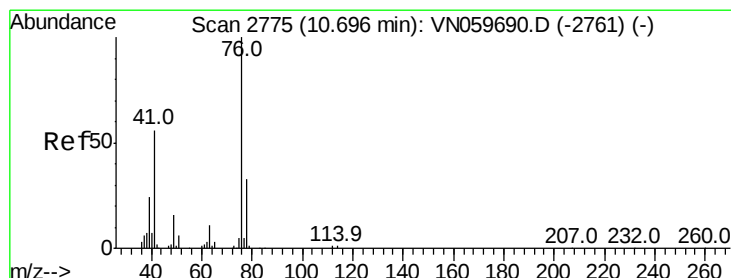
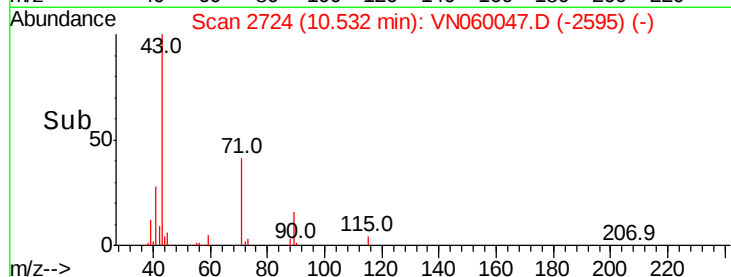
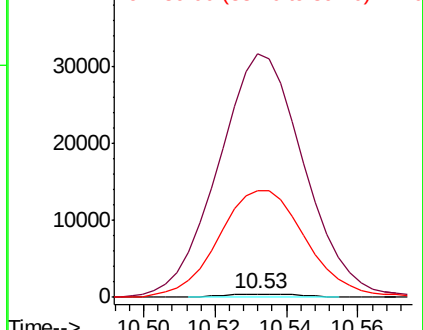
39 3742.0 34.7 52.1#



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: 1.189 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060047.D

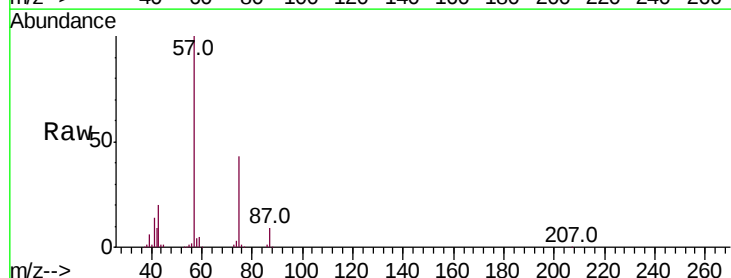
Acq: 10 Feb 2020 15:33

Tgt Ion: 76 Resp: 3756

Ion Ratio Lower Upper

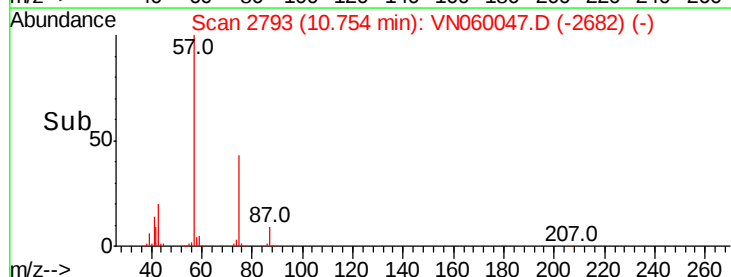
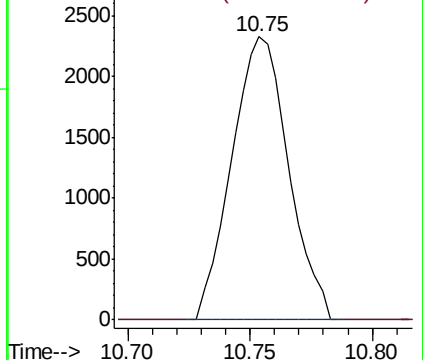
76 100

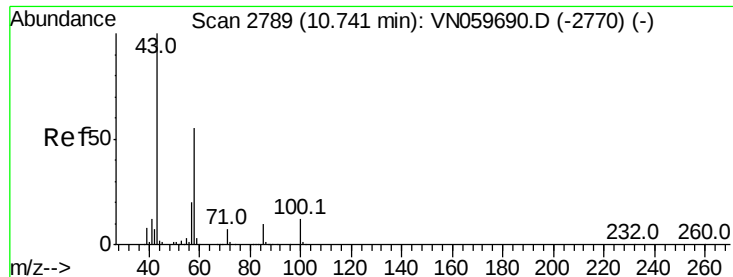
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

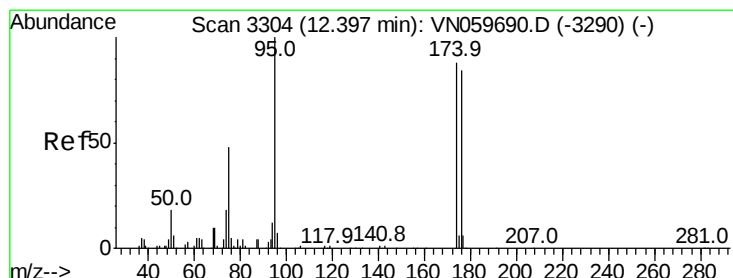
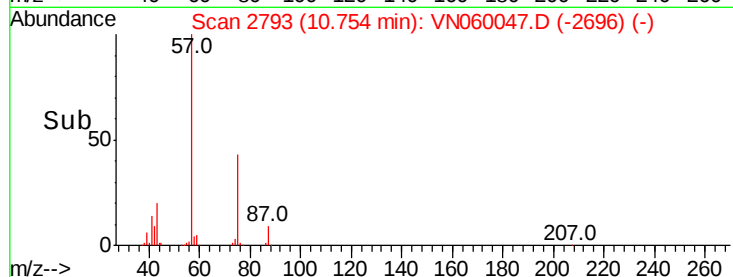
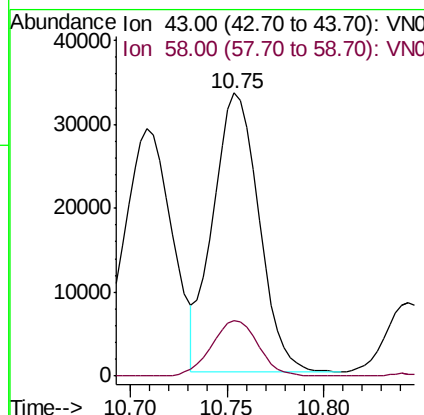
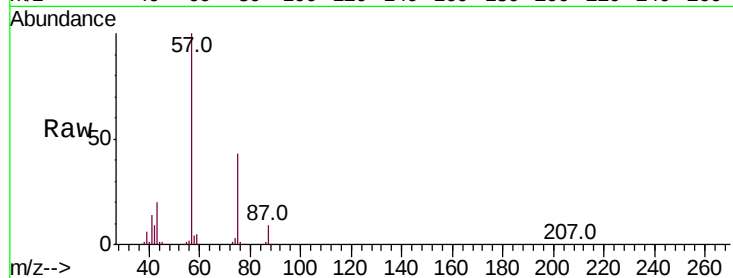




#59
2-Hexanone
Concen: 30.020 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060047.D
Acq: 10 Feb 2020 15:33

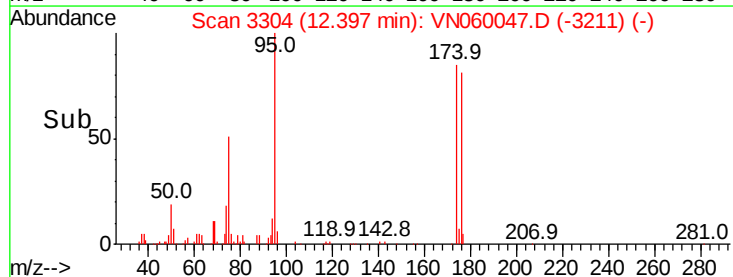
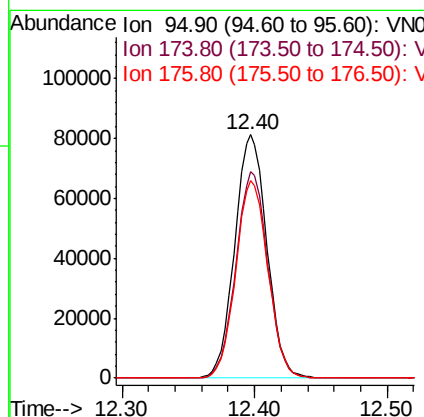
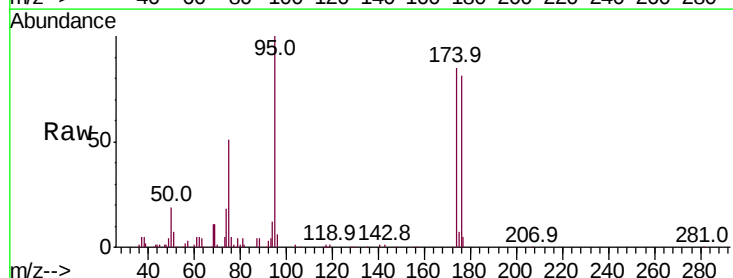
Instrument :
MSVOA_N
ClientSampled :

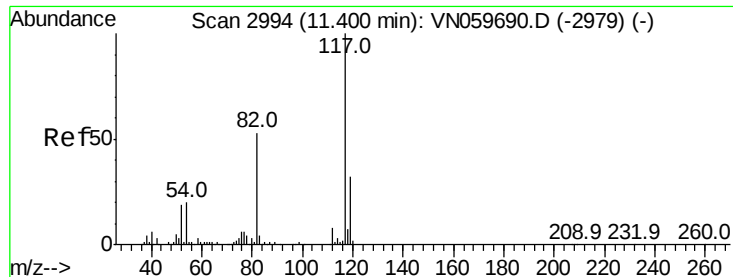
Tot Ion: 43 Resp: 54980
Ion Ratio Lower Upper
43 100
58 20.1 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 53.605 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060047.D
Acq: 10 Feb 2020 15:33

Tgt Ion: 95 Resp: 136683
Ion Ratio Lower Upper
95 100
174 84.3 0.0 151.4
176 81.3 0.0 146.0

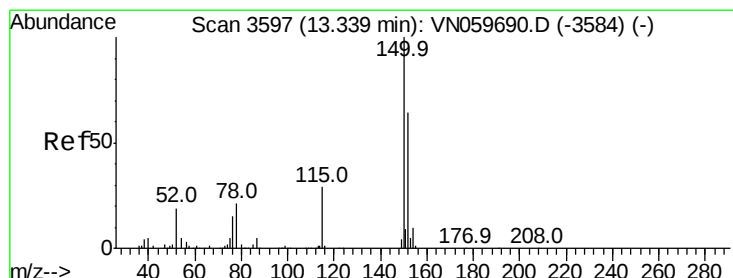
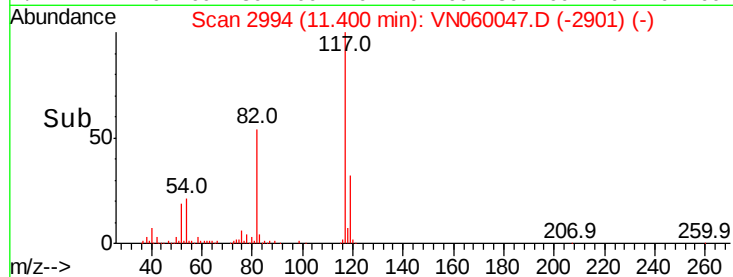
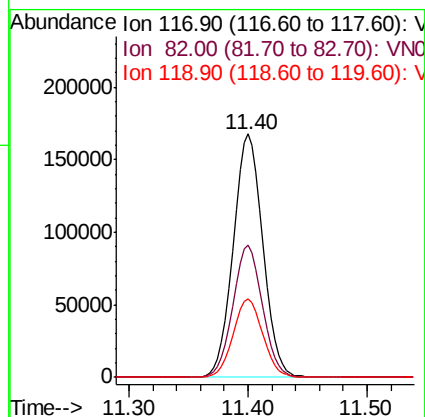
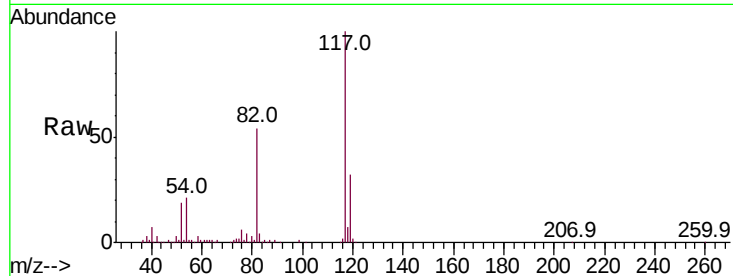




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060047.D
Acq: 10 Feb 2020 15:33

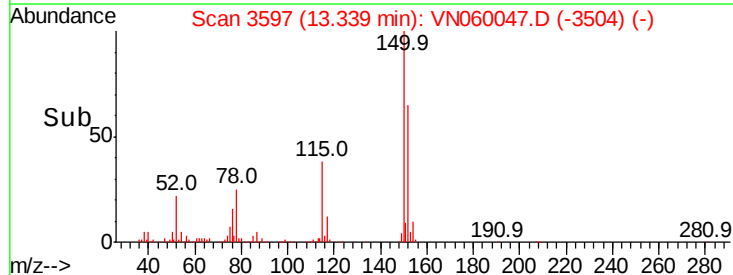
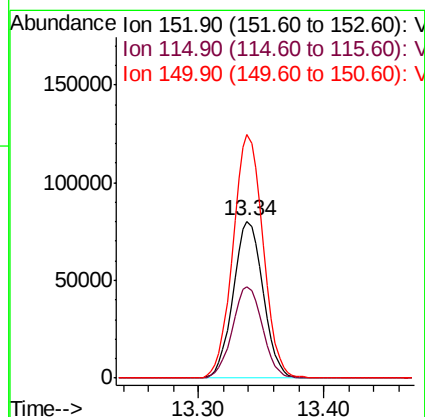
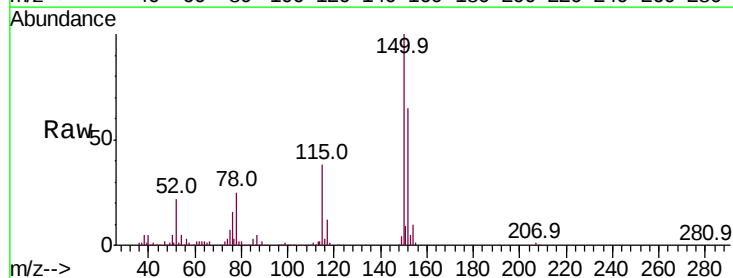
Instrument :
MSVOA_N
ClientSampleId :

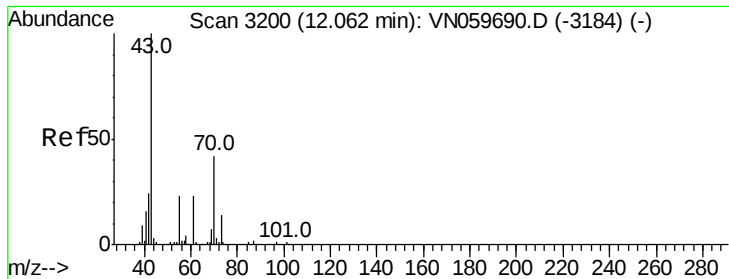
Tot Ion:117 Resp: 288921
Ion Ratio Lower Upper
117 100
82 54.3 45.9 68.9
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060047.D
Acq: 10 Feb 2020 15:33

Tgt Ion:152 Resp: 132639
Ion Ratio Lower Upper
152 100
115 58.7 30.3 90.9
150 156.9 0.0 345.2





#74

N-amyl acetate

Concen: 0.681 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN060047.D

Acq: 10 Feb 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2570

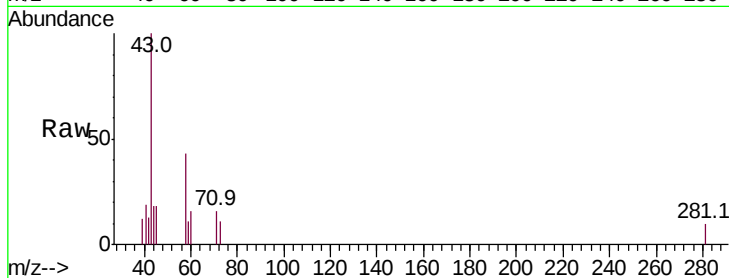
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

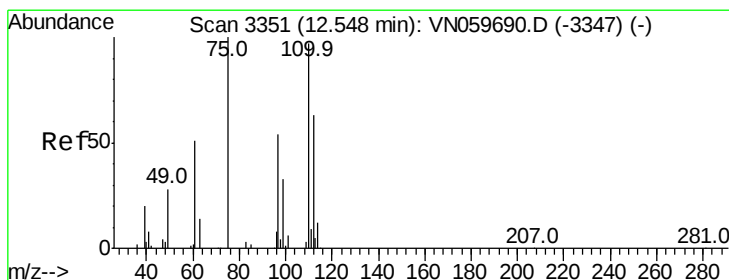
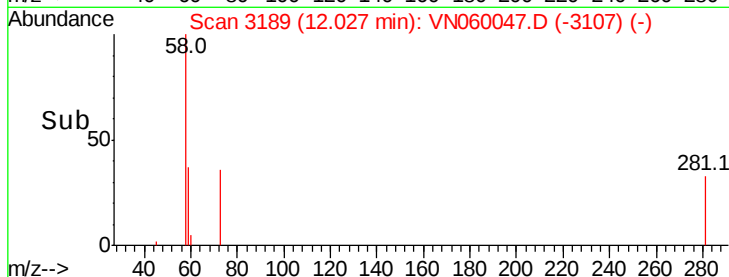
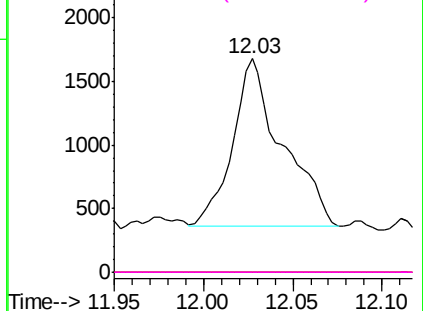


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 31.084 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060047.D

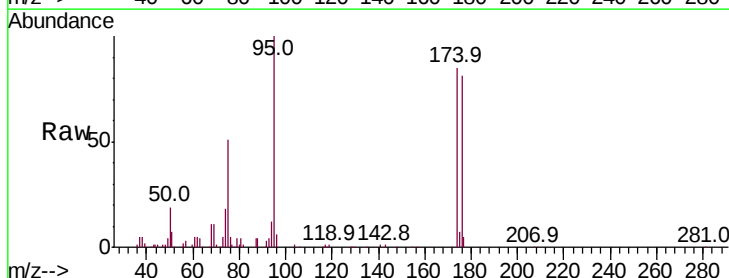
Acq: 10 Feb 2020 15:33

Tgt Ion: 75 Resp: 69386

Ion Ratio Lower Upper

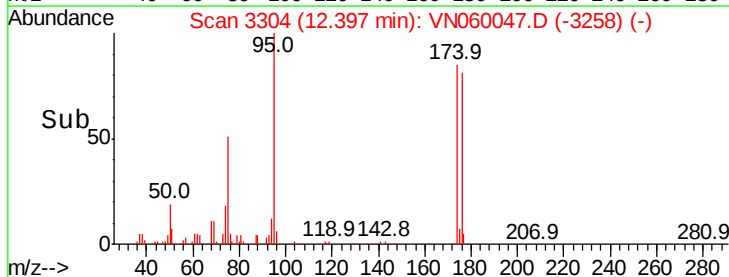
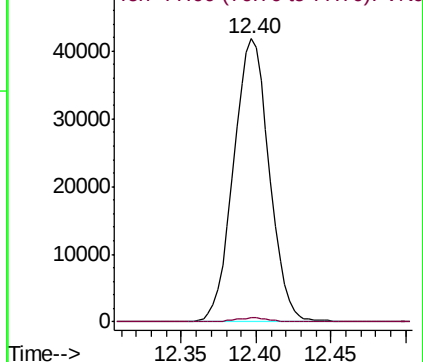
75 100

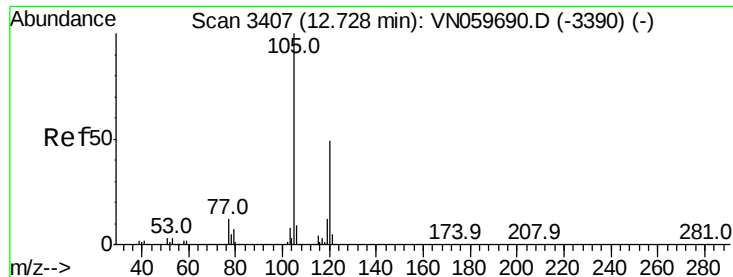
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

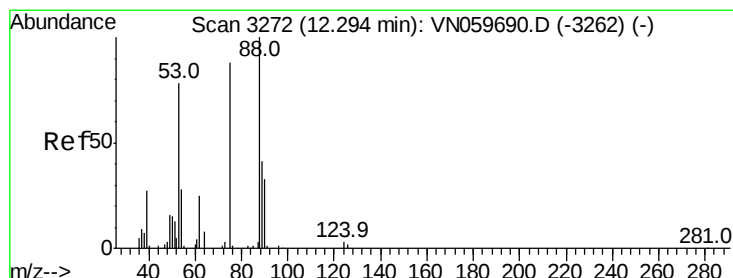
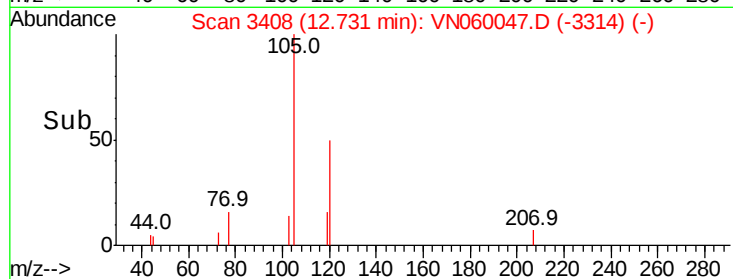
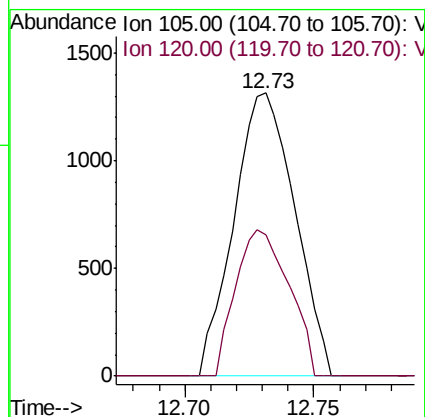
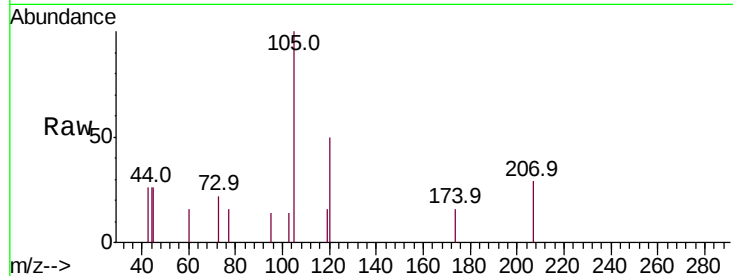




#80
 1,3,5-Trimethylbenzene
 Concen: 0.264 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060047.D
 Acq: 10 Feb 2020 15:33

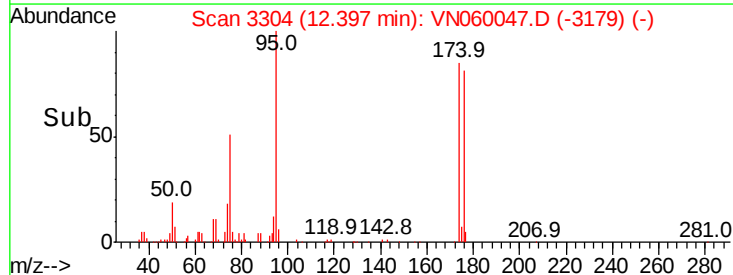
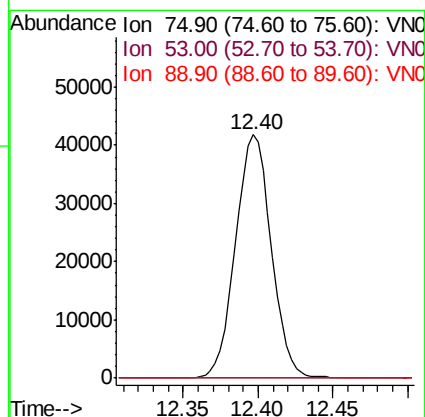
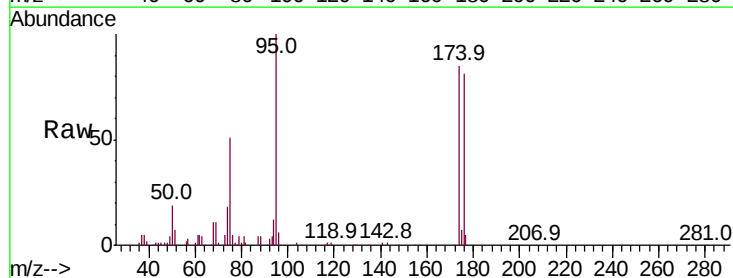
Instrument :
 MSVOA_N
 ClientSampled :

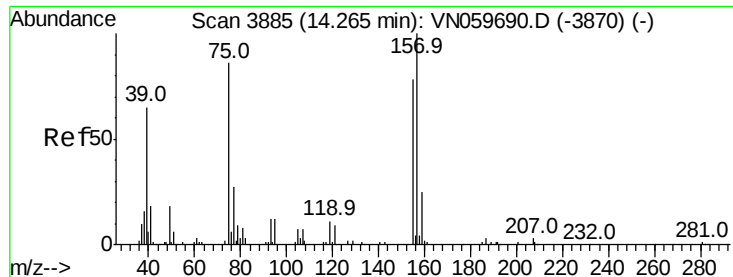
Tot Ion:105 Resp: 2162
 Ion Ratio Lower Upper
 105 100
 120 45.3 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.754 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060047.D
 Acq: 10 Feb 2020 15:33

Tgt Ion: 75 Resp: 69386
 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: VN060047.D

Acq: 10 Feb 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 94

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

