

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN059998.D
 Acq On : 4 Feb 2020 16:42
 Operator : JC/MD
 Sample : L1383-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C-1

Quant Time: Feb 05 01:24:36 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	7.65	168	210693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	324221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	303986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138424	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	118538	50.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.32%	
35) Dibromofluoromethane	7.57	113	97578	50.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.94%	
50) Toluene-d8	10.08	98	388360	51.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.40	95	141541	52.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.82%	

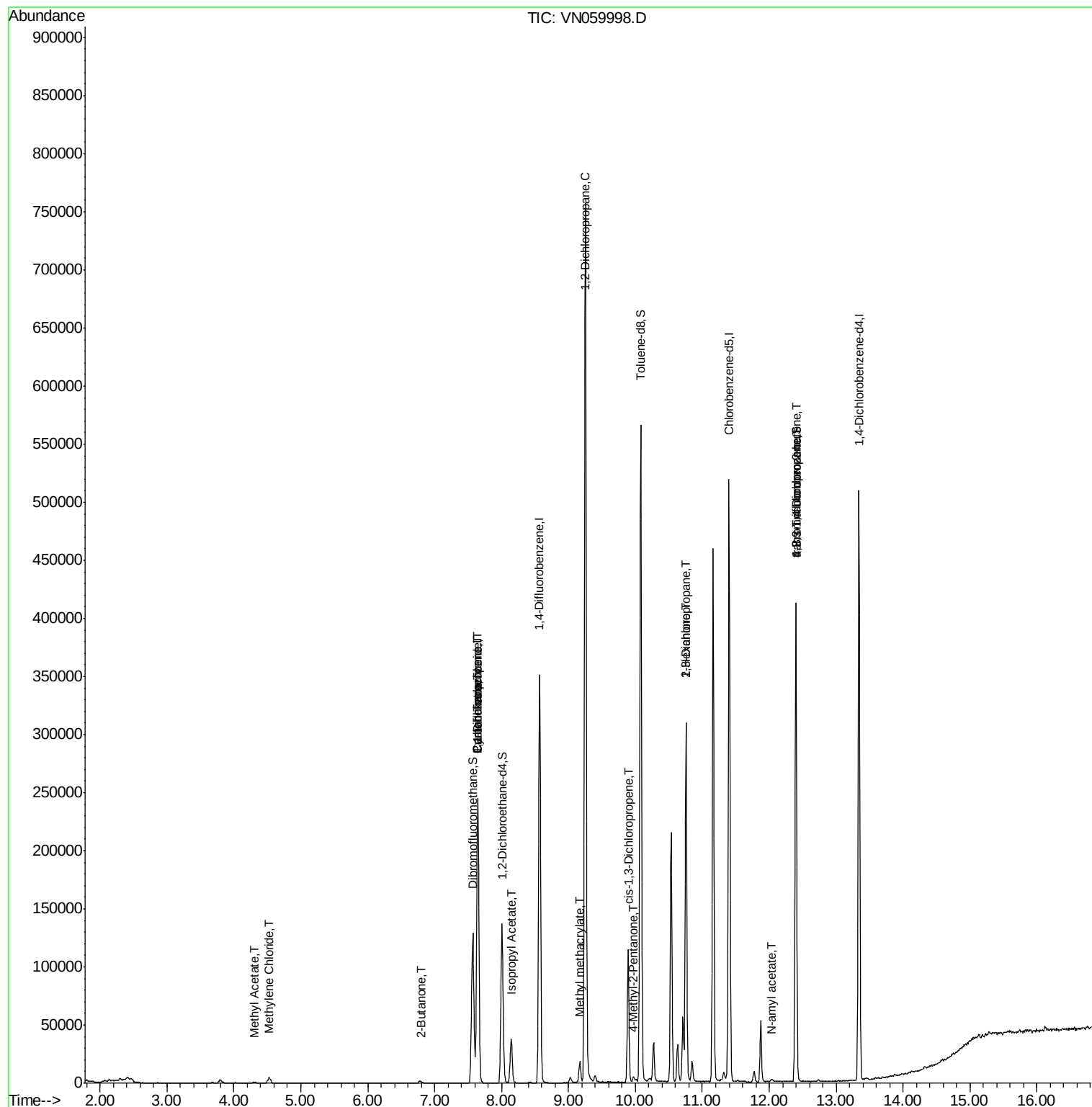
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5197	Below Cal		95
18) Methyl Acetate	4.30	43	1395	0.510	ug/l #	54
20) Methylene Chloride	4.53	84	3998	0.610	ug/l #	76
25) 2-Butanone	6.81	43	484	0.365	ug/l #	50
31) Cyclohexane	7.64	56	3853	1.113	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15067	5.336	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19259	6.271	ug/l #	16
43) Isopropyl Acetate	8.14	43	45757	10.046	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	807	0.387	ug/l #	44
48) Methyl methacrylate	9.17	41	2792	1.370	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3045	1.156	ug/l	100
54) cis-1,3-Dichloropropene	9.89	75	21123	6.070	ug/l #	59
57) 1,3-Dichloropropane	10.76	76	3330	0.996	ug/l #	42
59) 2-Hexanone	10.76	43	44320	22.848	ug/l #	55
74) N-amyl acetate	12.03	43	2002	0.508	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	73522	31.561	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	73522	67.777	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.29	75	29	Below Cal	#	6

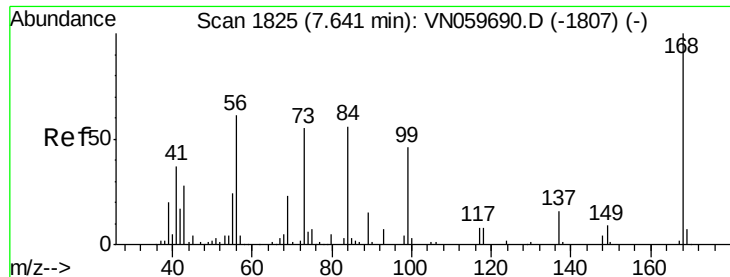
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN059998.D

Acq: 4 Feb 2020 16:42

Instrument :

MSVOA_N

ClientSampled :

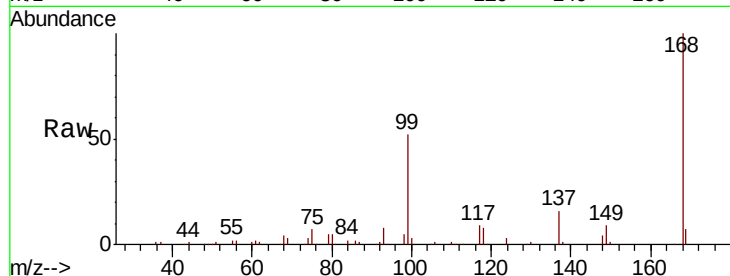
TP-C-1

Tot Ion:168 Resp: 210693

Ion Ratio Lower Upper

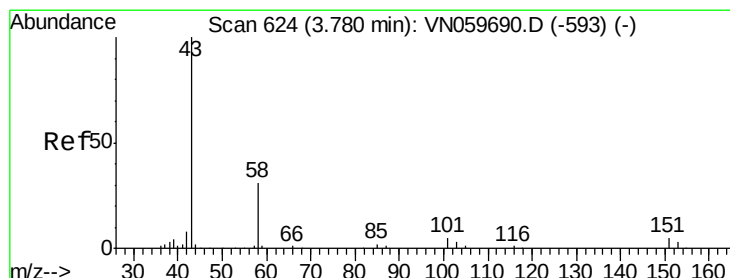
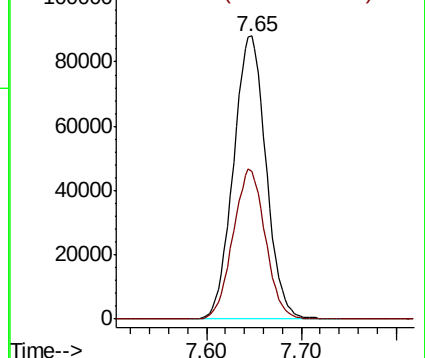
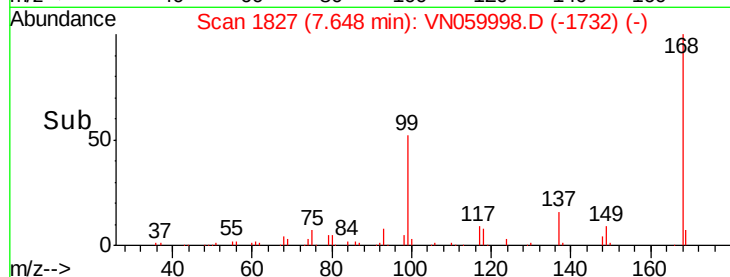
168 100

99 52.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059998.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059998.D (-1732) (-)



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059998.D

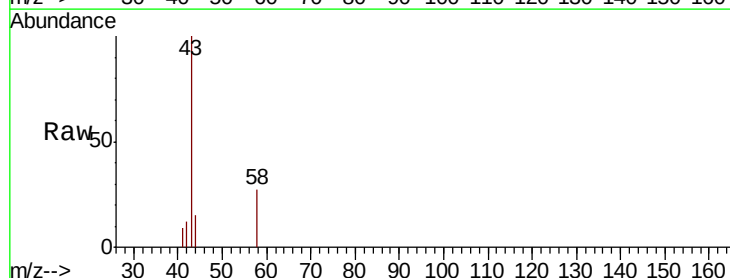
Acq: 4 Feb 2020 16:42

Tgt Ion: 43 Resp: 5197

Ion Ratio Lower Upper

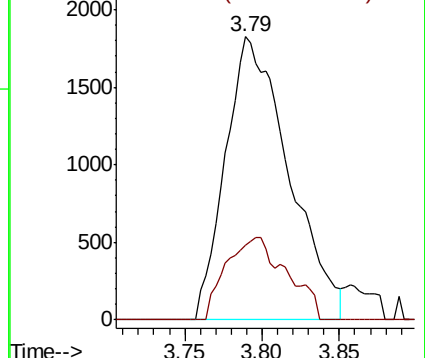
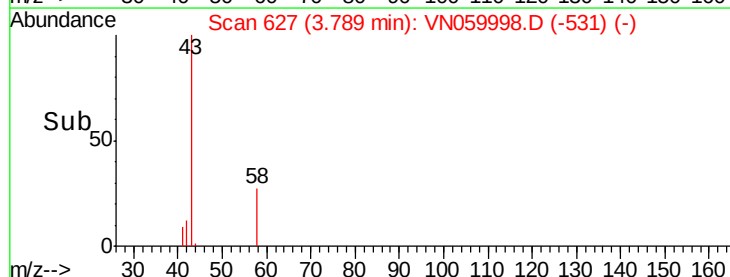
43 100

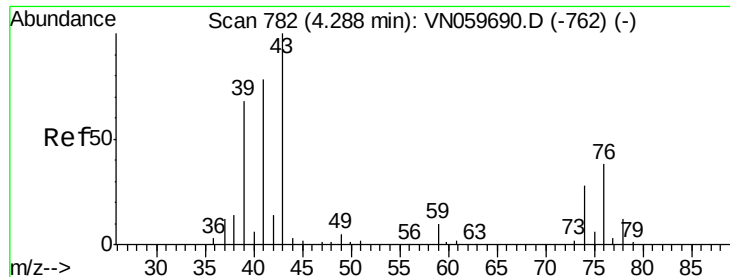
58 26.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059998.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN059998.D (-531) (-)

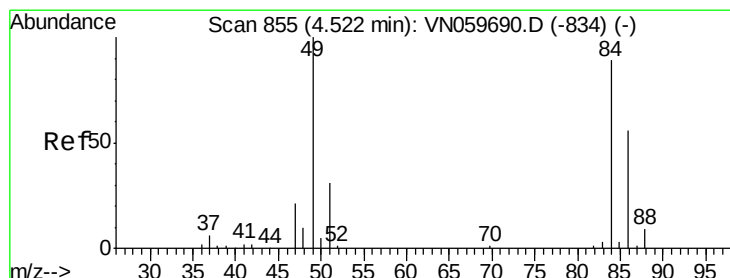
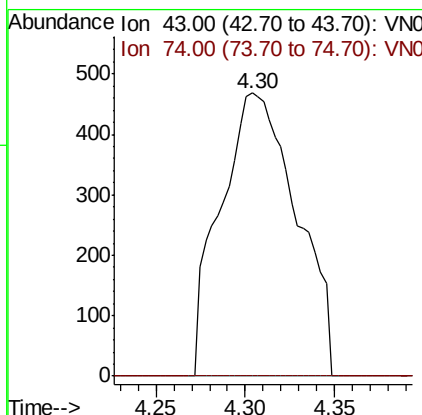
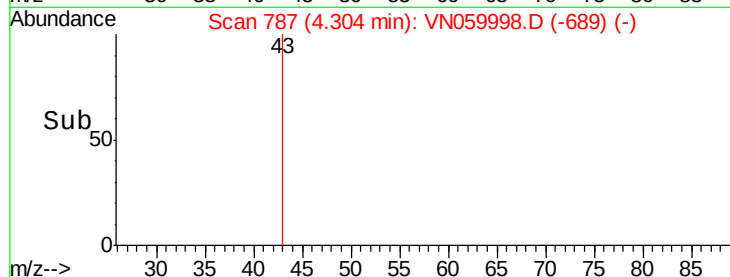
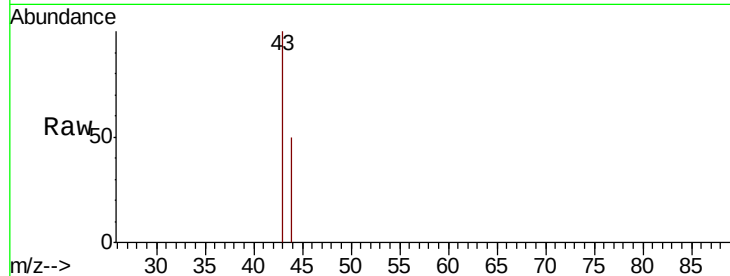




#18
Methyl Acetate
Concen: 0.510 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN059998.D
Acq: 4 Feb 2020 16:42

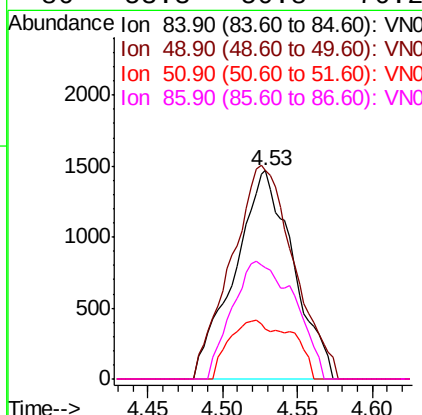
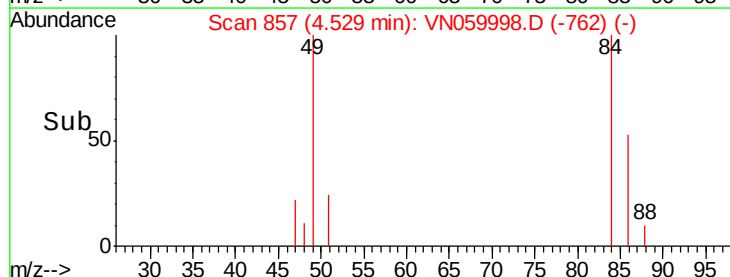
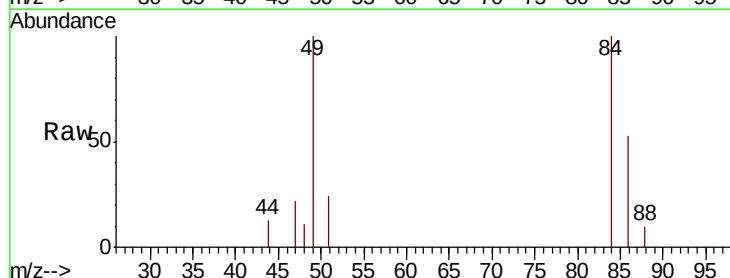
Instrument :
MSVOA_N
ClientSampled :
TP-C-1

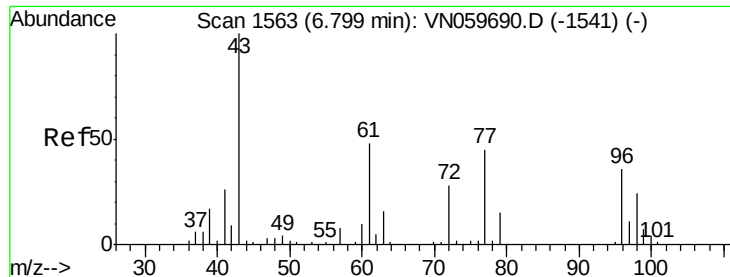
Tot Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 0.610 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059998.D
Acq: 4 Feb 2020 16:42

Tgt Ion: 84 Resp: 3998
Ion Ratio Lower Upper
84 100
49 100.1 106.6 160.0#
51 23.8 31.9 47.9#
86 53.3 50.8 76.2

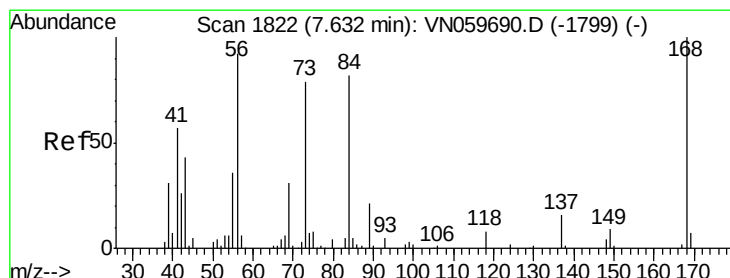
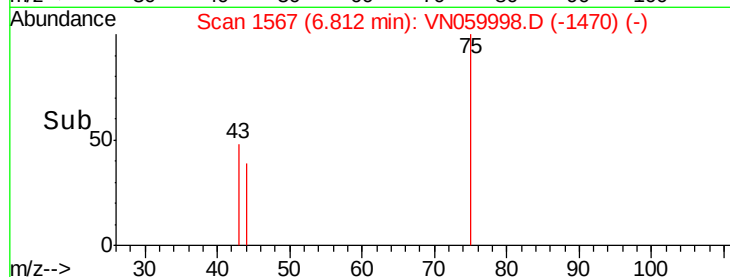
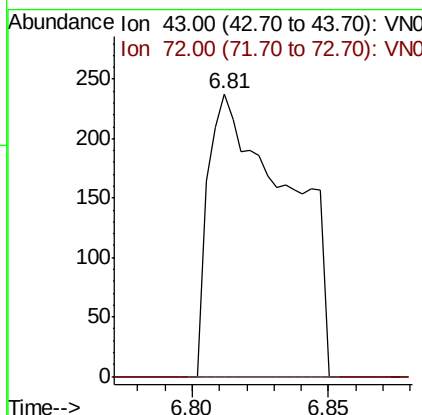
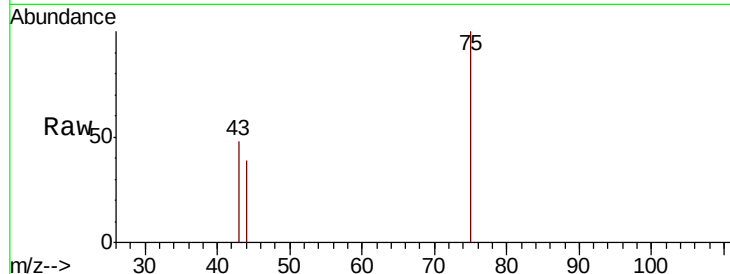




#25
2-Butanone
Concen: 0.365 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN059998.D
Acq: 4 Feb 2020 16:42

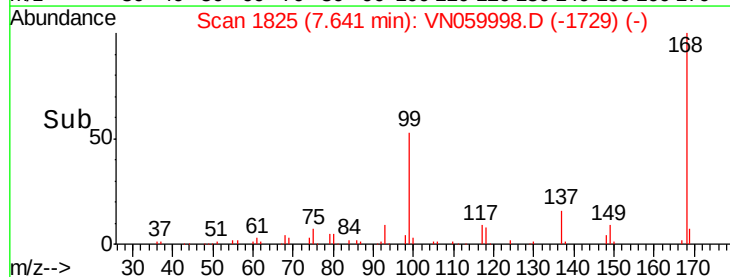
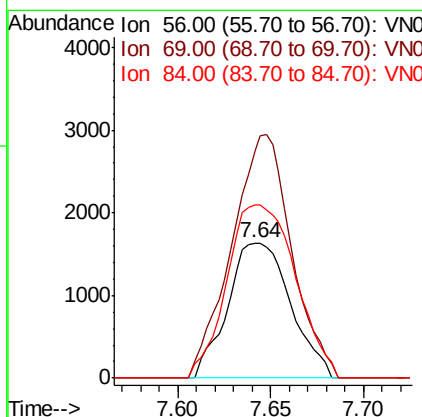
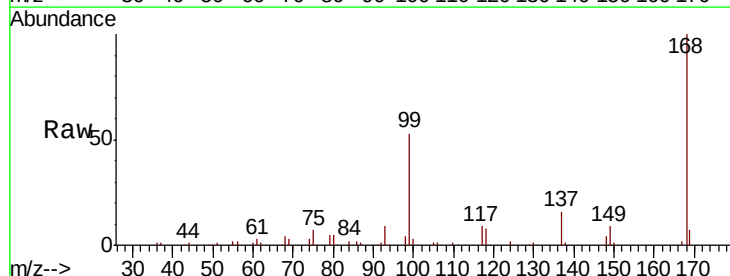
Instrument :
MSVOA_N
ClientSampled :
TP-C-1

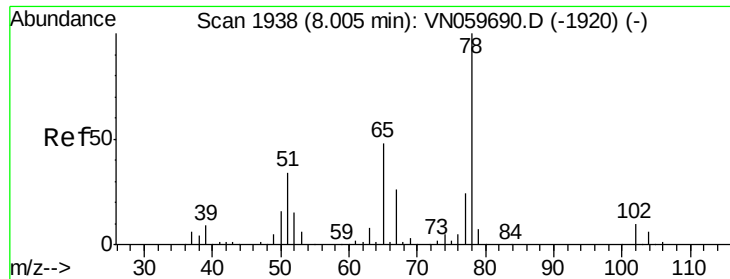
Tot Ion: 43 Resp: 484
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.113 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059998.D
Acq: 4 Feb 2020 16:42

Tgt Ion: 56 Resp: 3853
Ion Ratio Lower Upper
56 100
69 168.3 26.5 39.7#
84 128.2 65.3 97.9#

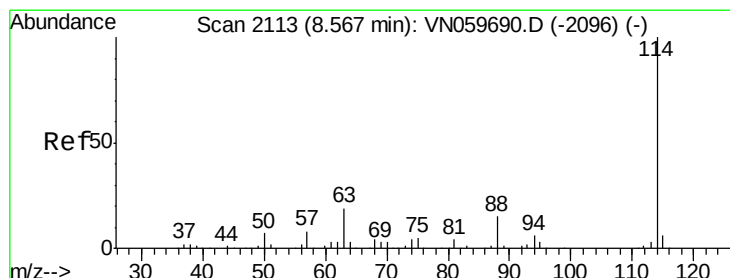
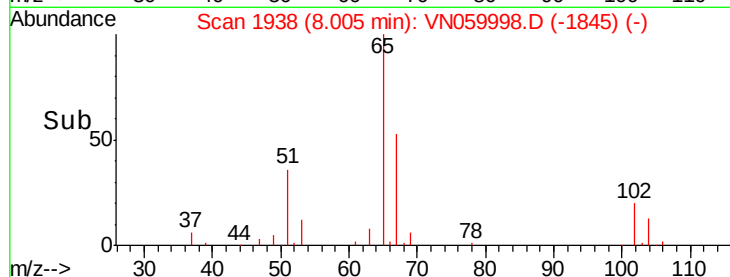
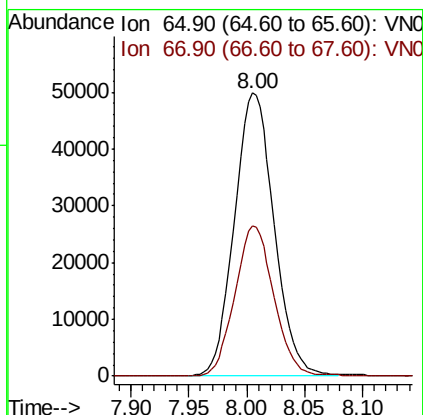
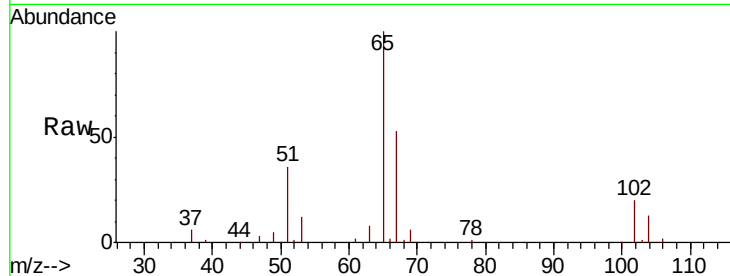




#33
 1,2-Dichloroethane-d4
 Concen: 50.662 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059998.D
 Acq: 4 Feb 2020 16:42

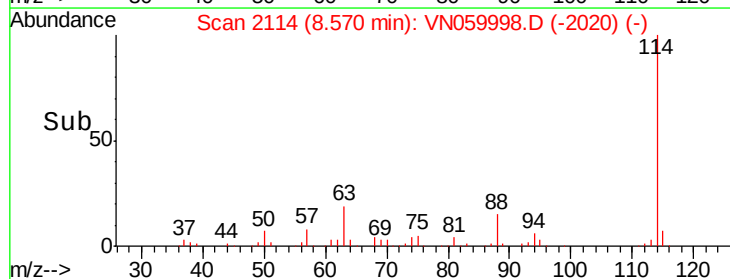
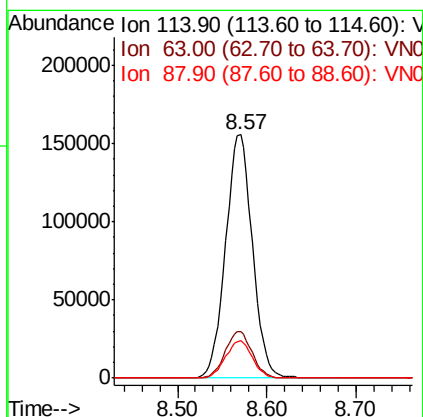
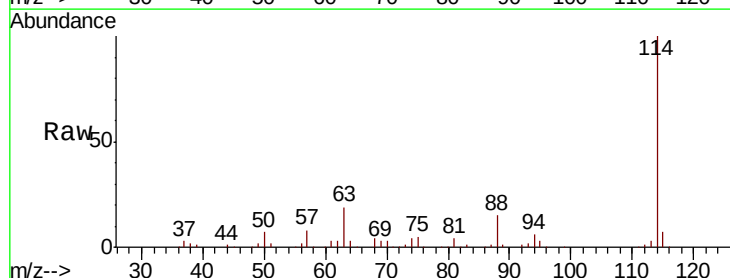
Instrument :
 MSVOA_N
 ClientSampled :
 TP-C-1

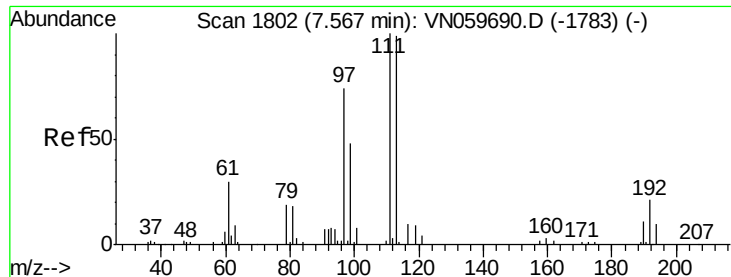
Tot Ion: 65 Resp: 118538
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059998.D
 Acq: 4 Feb 2020 16:42

Tgt Ion: 114 Resp: 324221
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 43.6
 88 15.2 0.0 31.4

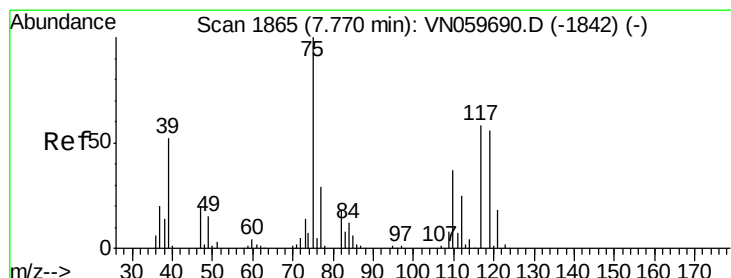
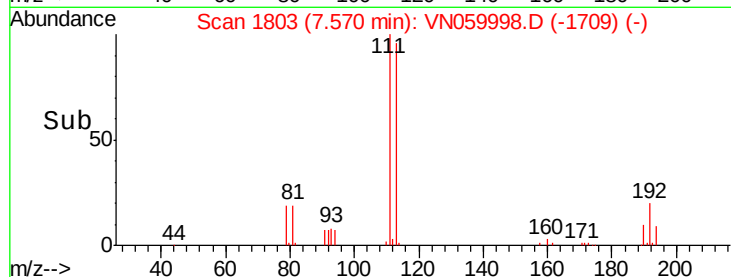
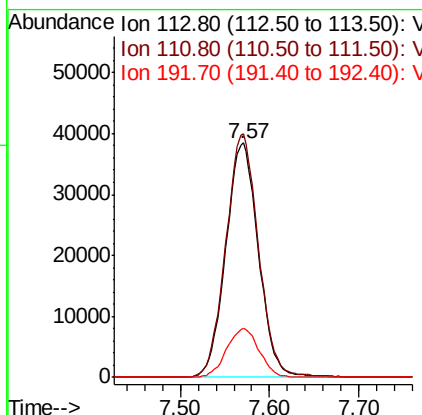
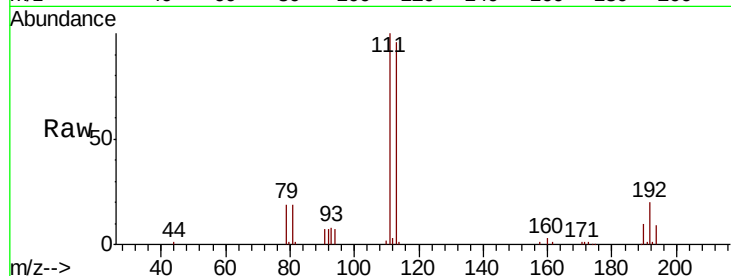




#35
 Dibromofluoromethane
 Concen: 50.468 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059998.D
 Acq: 4 Feb 2020 16:42

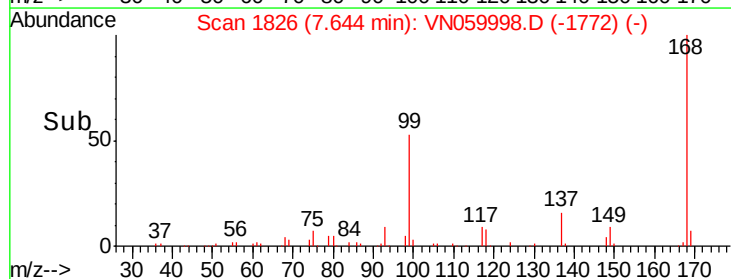
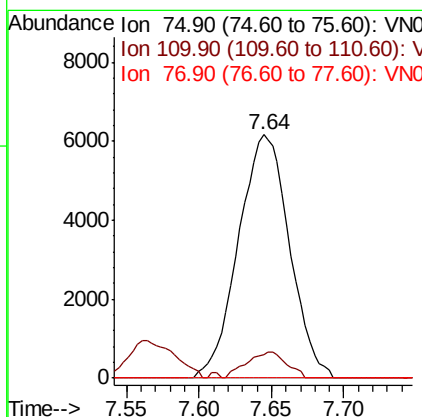
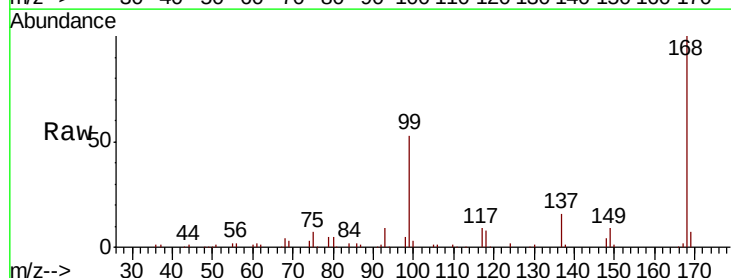
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 MSVOA_N
 ClientSampled :
 TP-C-1

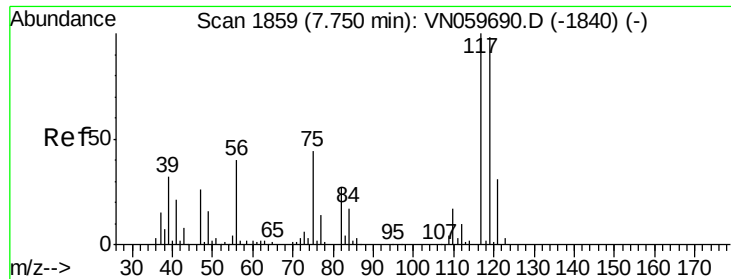
Tot Ion:113 Resp: 97578
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.5 125.3
 192 20.8 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.336 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059998.D
 Acq: 4 Feb 2020 16:42

Tgt Ion: 75 Resp: 15067
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.6 49.7#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.271 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059998.D

Acq: 4 Feb 2020 16:42

Instrument :

MSVOA_N

ClientSampled :

TP-C-1

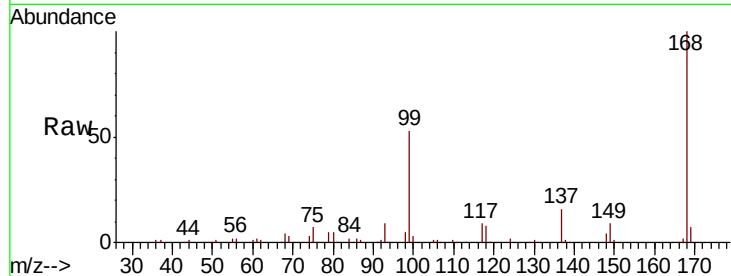
Tot Ion:117 Resp: 19259

Ion Ratio Lower Upper

117 100

119 4.7 76.5 114.7#

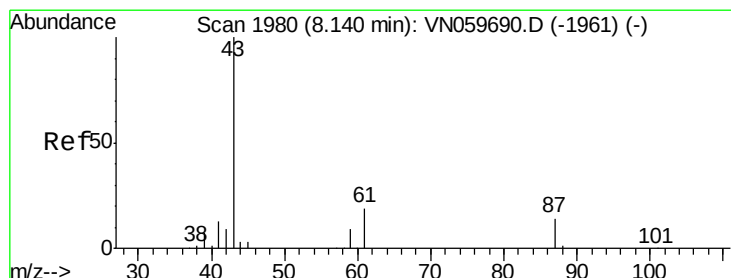
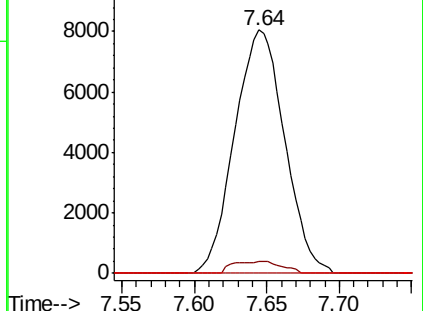
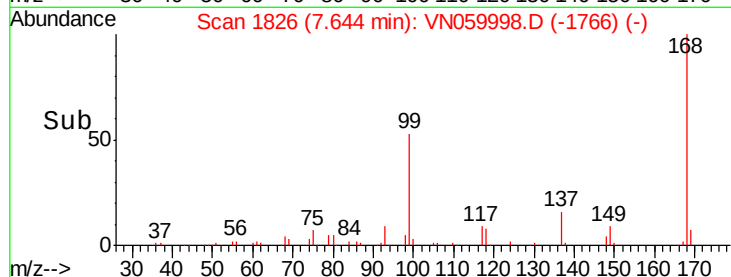
121 0.0 25.1 37.7#



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: 10.046 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059998.D

Acq: 4 Feb 2020 16:42

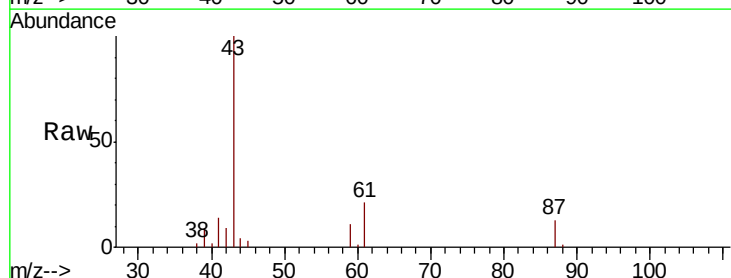
Tgt Ion: 43 Resp: 45757

Ion Ratio Lower Upper

43 100

61 19.9 20.2 30.2#

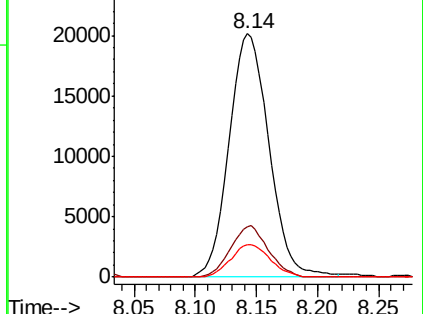
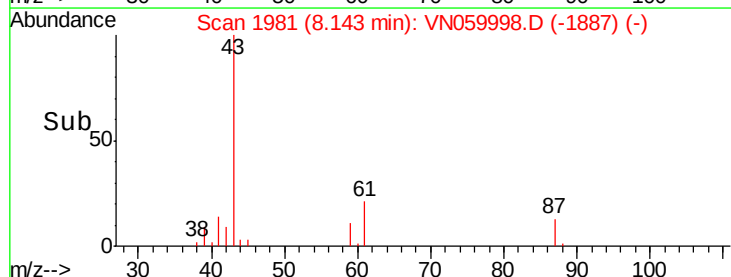
87 13.2 9.5 14.3

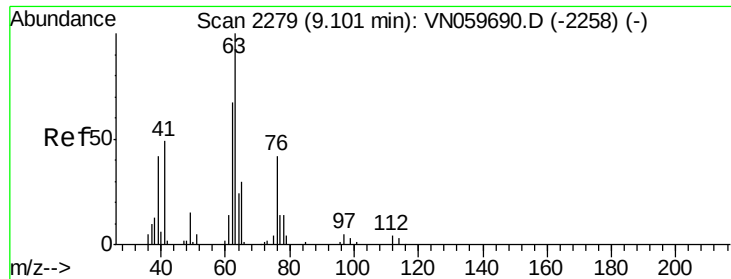


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

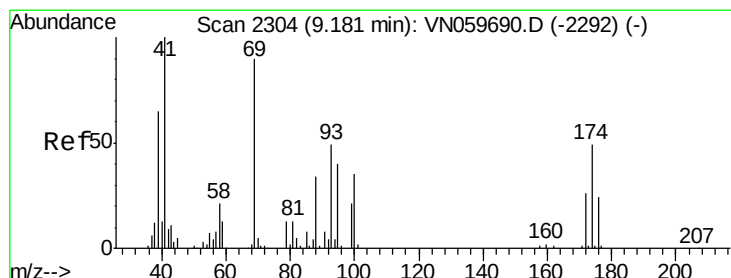
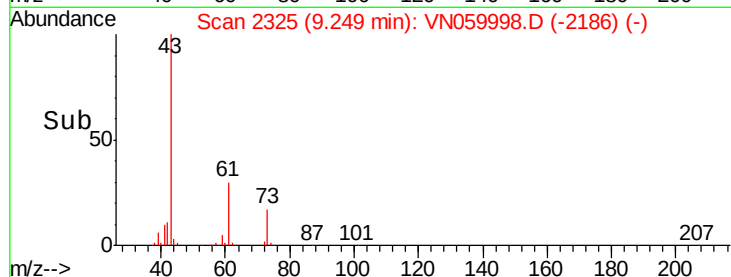
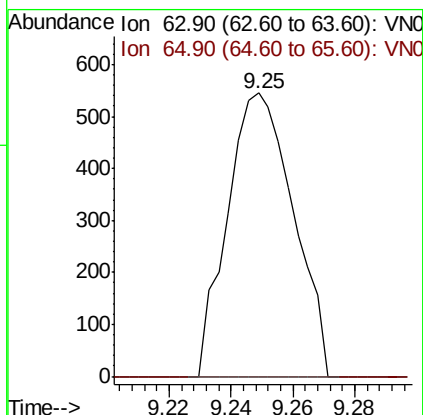
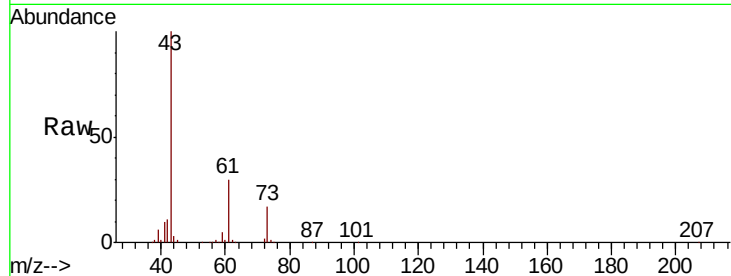




#45
 1,2-Dichloropropane
 Concen: 0.387 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN059998.D
 Acq: 4 Feb 2020 16:42

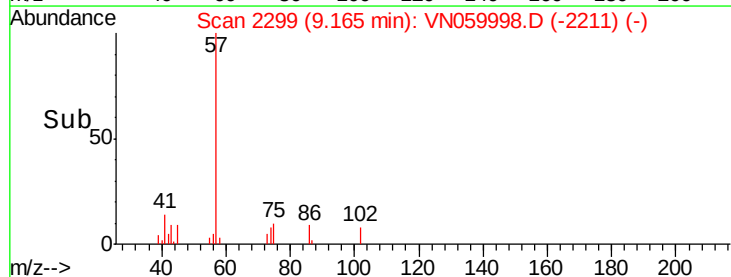
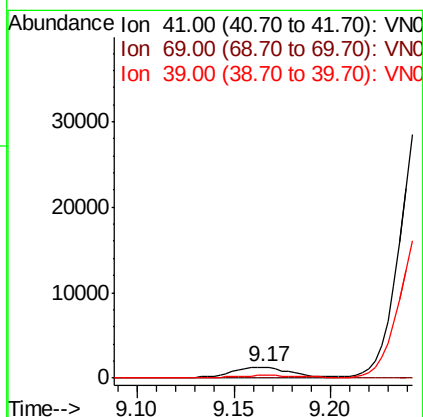
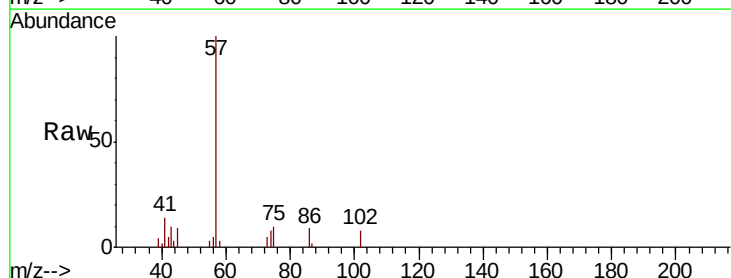
Instrument :
 MSVOA_N
 ClientSampled :
 TP-C-1

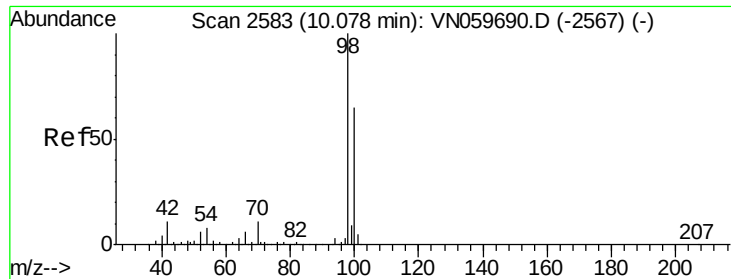
Tot Ion: 63 Resp: 807
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.370 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: VN059998.D
 Acq: 4 Feb 2020 16:42

Tgt Ion: 41 Resp: 2792
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#

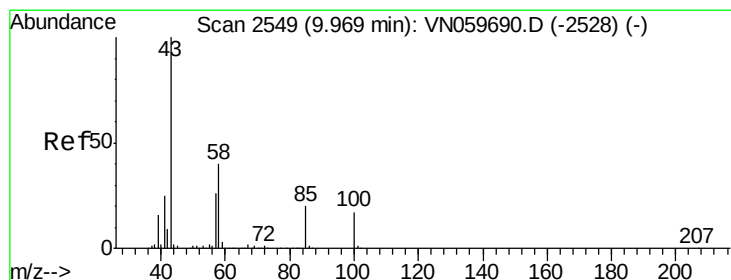
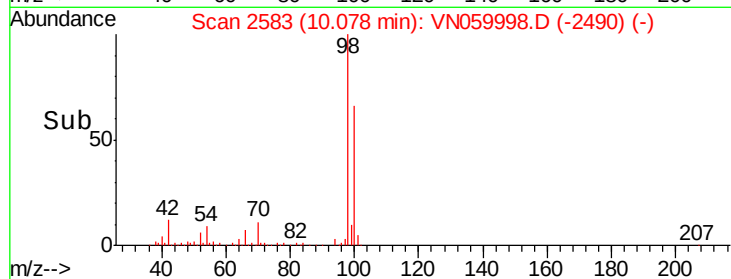
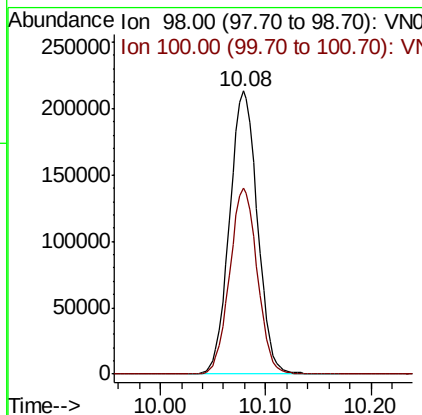
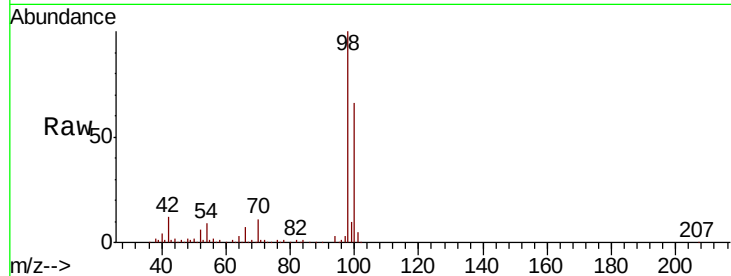




#50
Toluene-d8
Concen: 51.842 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059998.D
Acq: 4 Feb 2020 16:42

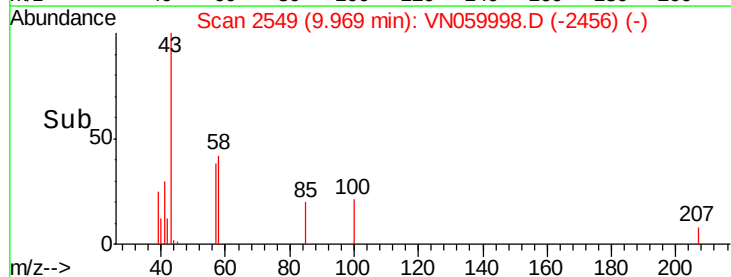
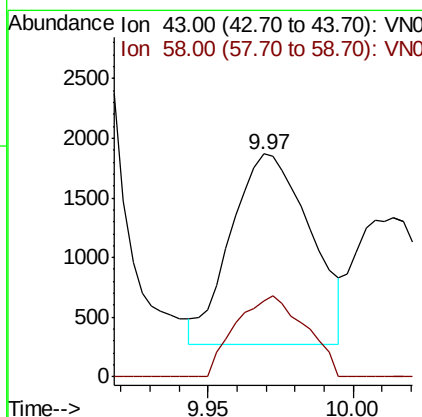
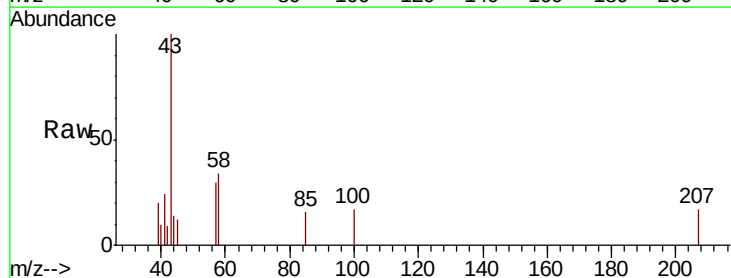
Instrument :
MSVOA_N
ClientSampled :
TP-C-1

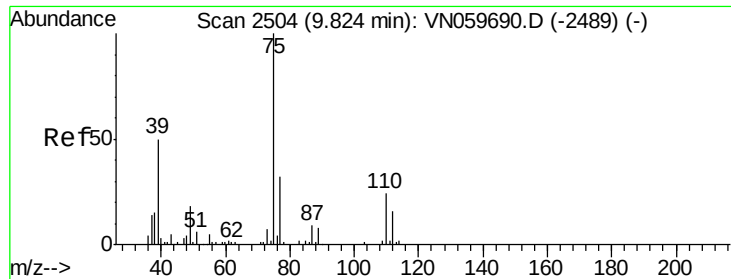
Tot Ion: 98 Resp: 388360
Ion Ratio Lower Upper
98 100
100 65.3 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 1.156 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059998.D
Acq: 4 Feb 2020 16:42

Tgt Ion: 43 Resp: 3045
Ion Ratio Lower Upper
43 100
58 37.3 29.8 44.8





#54

cis-1,3-Dichloropropene

Concen: 6.070 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN059998.D

Acq: 4 Feb 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

TP-C-1

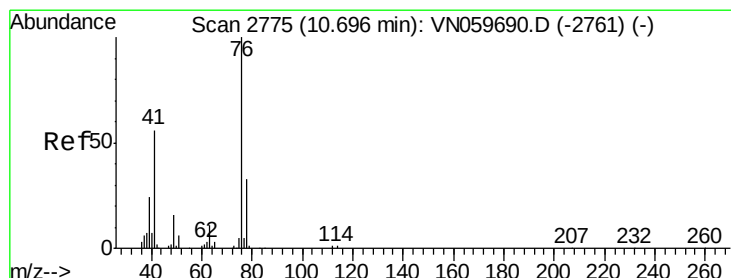
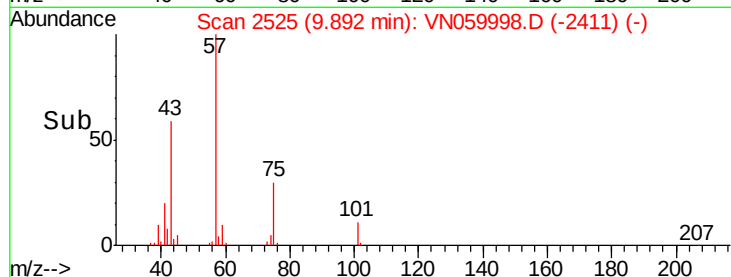
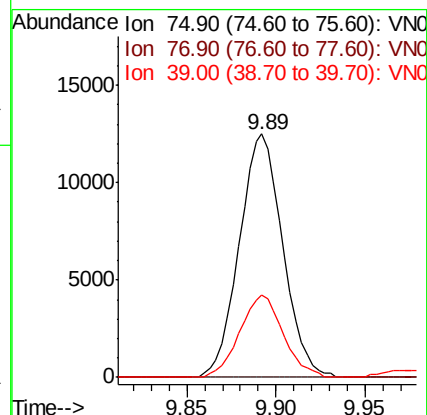
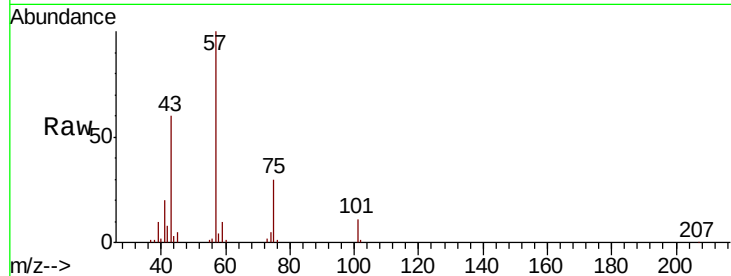
Tot Ion: 75 Resp: 21123

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 34.0 46.1 69.1#



#57

1,3-Dichloropropane

Concen: 0.996 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN059998.D

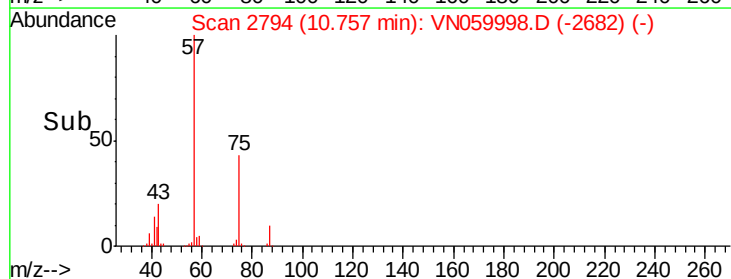
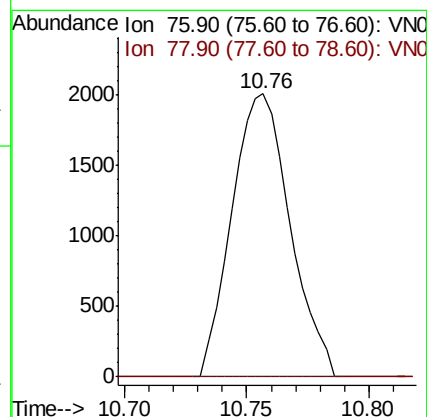
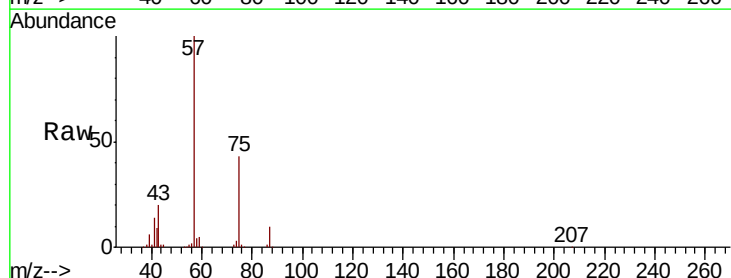
Acq: 4 Feb 2020 16:42

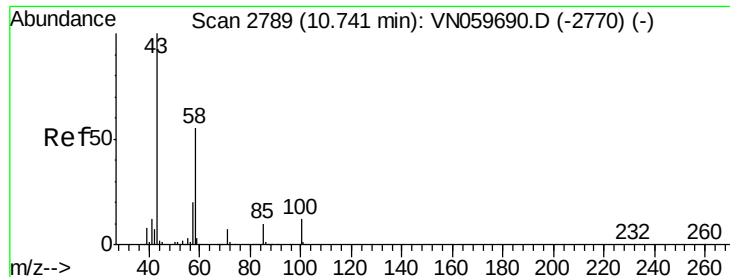
Tgt Ion: 76 Resp: 3330

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 22.848 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.02 min

Lab File: VN059998.D

Acq: 4 Feb 2020 16:42

Instrument :

MSVOA_N

ClientSampled :

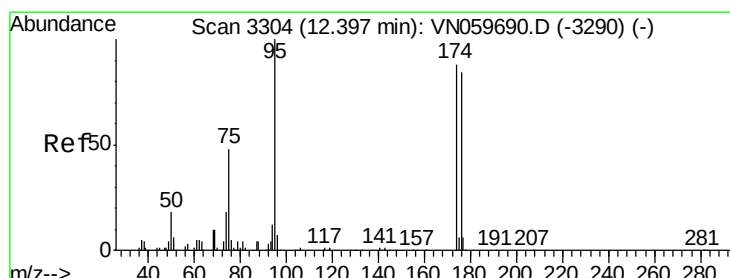
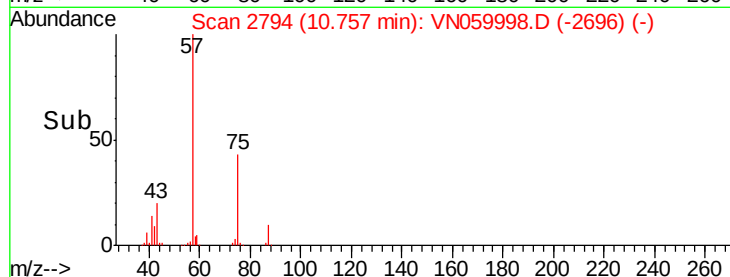
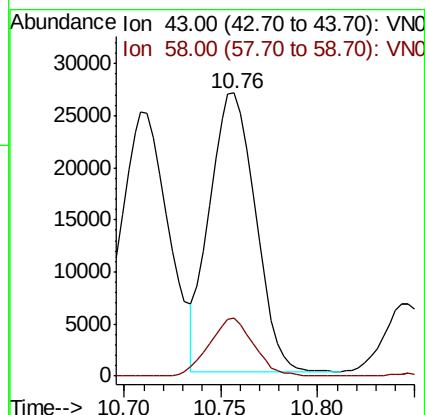
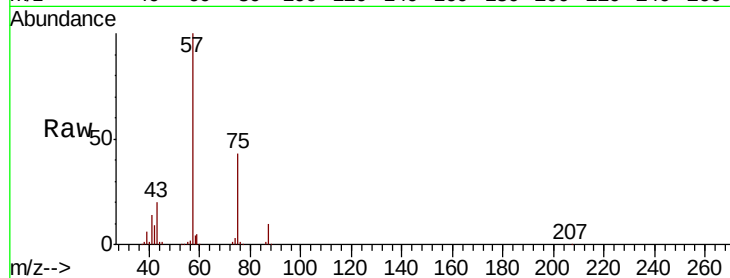
TP-C-1

Tot Ion: 43 Resp: 44320

Ion Ratio Lower Upper

43 100

58 20.2 25.8 77.3#



#62

4-Bromofluorobenzene

Concen: 52.411 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059998.D

Acq: 4 Feb 2020 16:42

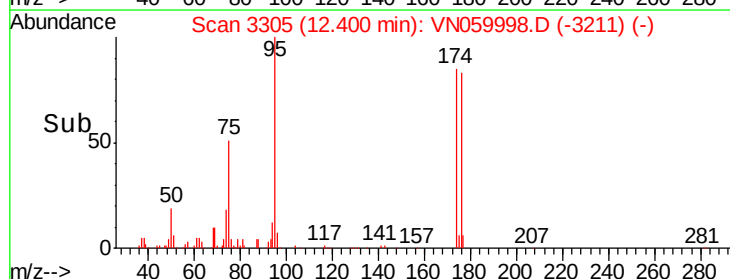
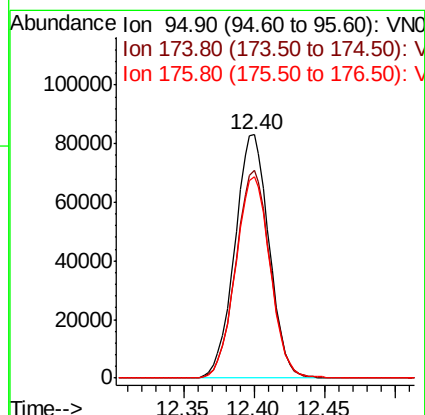
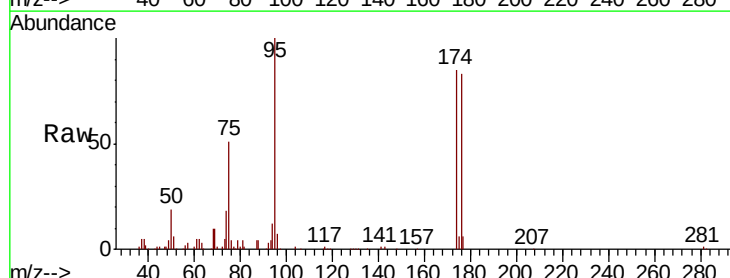
Tgt Ion: 95 Resp: 141541

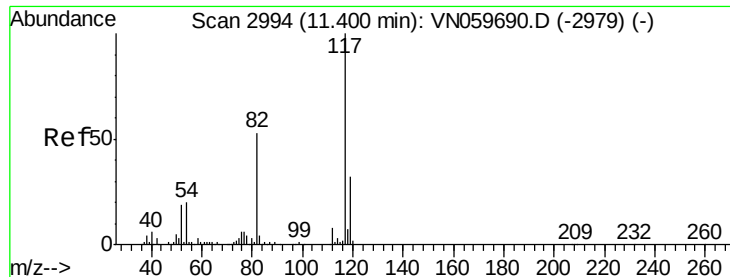
Ion Ratio Lower Upper

95 100

174 85.4 0.0 151.4

176 83.6 0.0 146.0

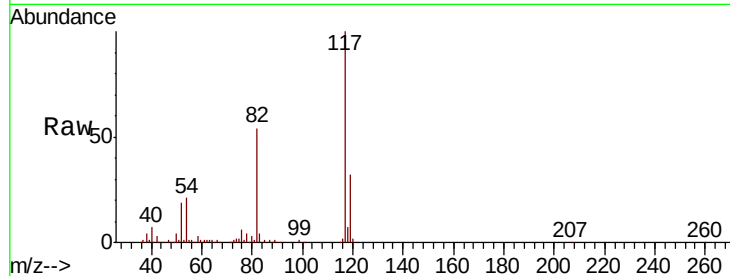




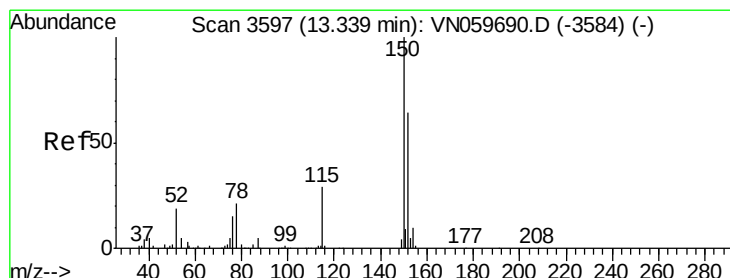
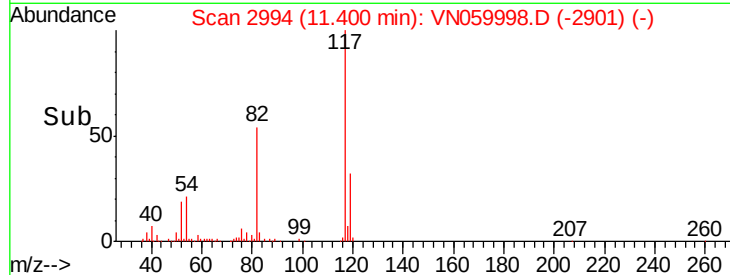
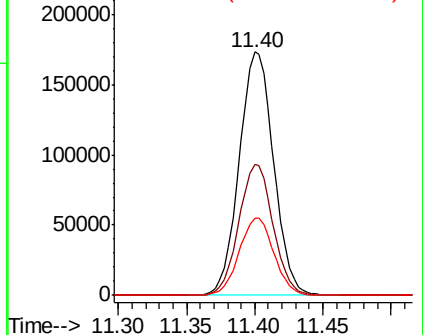
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059998.D
Acq: 4 Feb 2020 16:42

Instrument :
MSVOA_N
ClientSampleId :
TP-C-1

Tot Ion:117 Resp: 303986
Ion Ratio Lower Upper
117 100
82 53.9 45.9 68.9
119 31.6 25.5 38.3

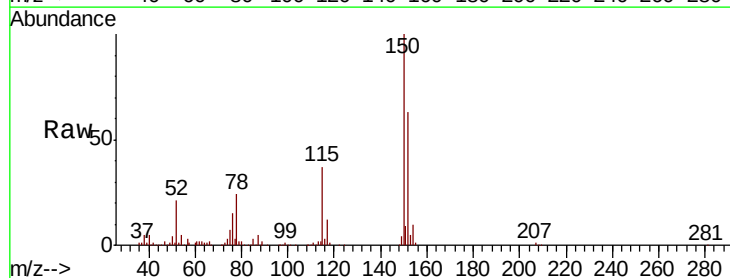


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

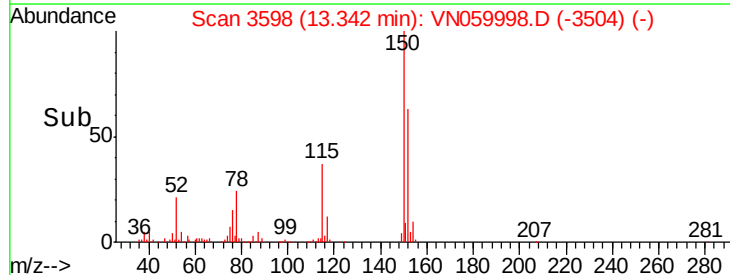
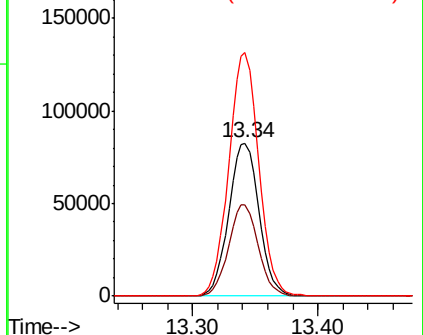


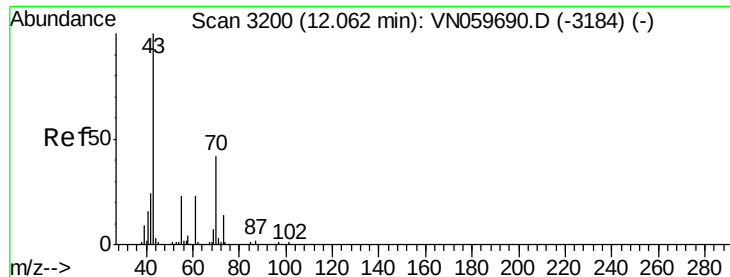
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059998.D
Acq: 4 Feb 2020 16:42

Tgt Ion:152 Resp: 138424
Ion Ratio Lower Upper
152 100
115 58.6 30.3 90.9
150 157.0 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

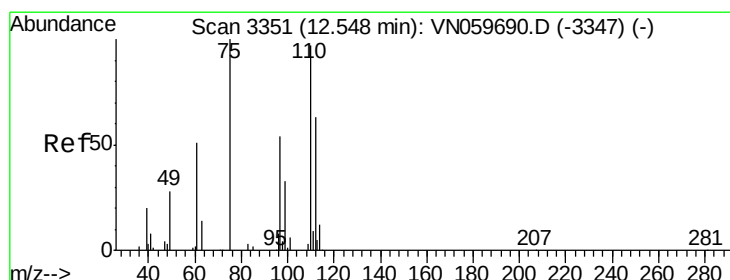
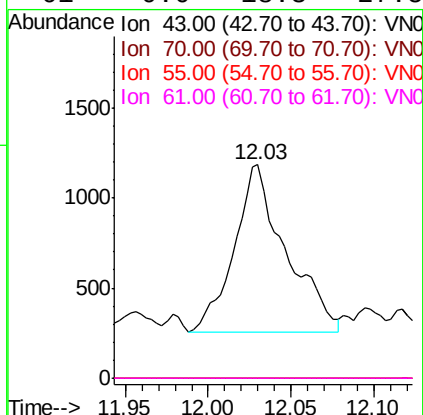
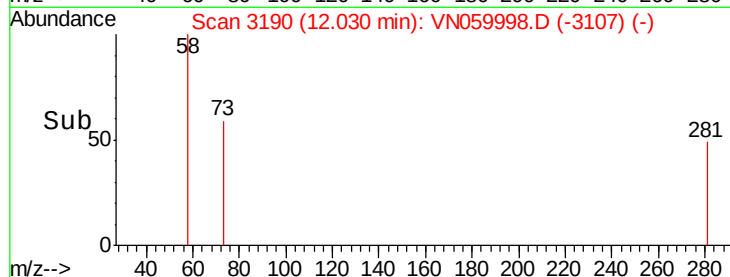
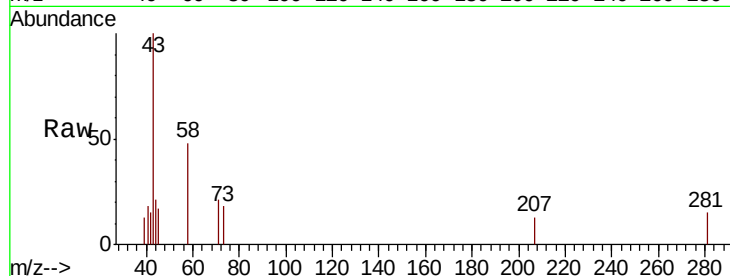




#74
N-amvl acetate
Concen: 0.508 ug/l
RT: 12.03 min Scan# 3190
Delta R.T. -0.03 min
Lab File: VN059998.D
Acq: 4 Feb 2020 16:42

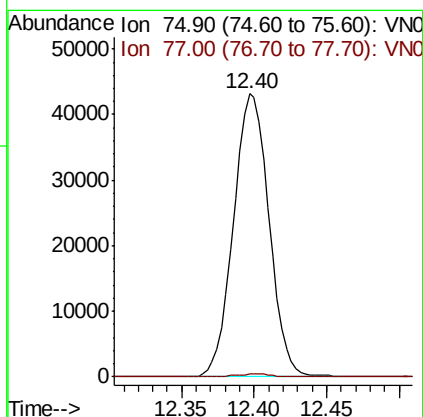
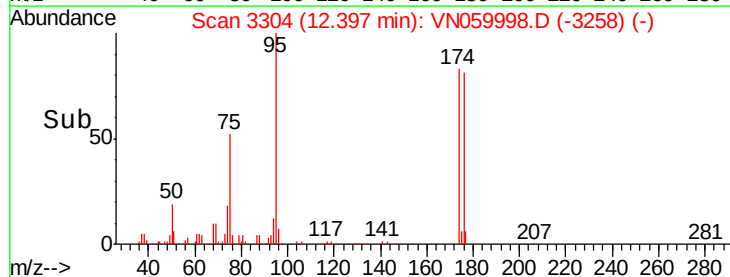
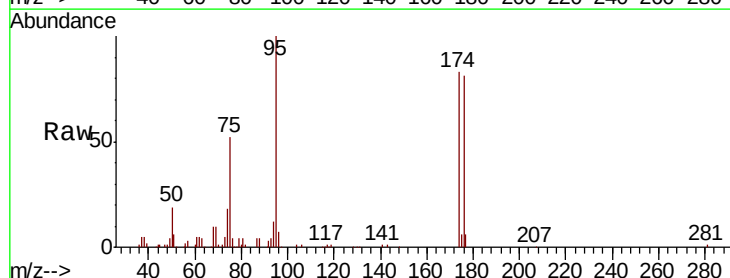
Instrument :
MSVOA_N
ClientSampleId :
TP-C-1

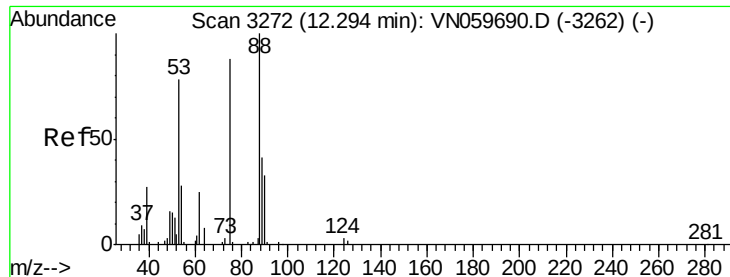
Tot Ion: 43 Resp: 2002
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 19.8 29.6#
61 0.0 18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 31.561 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN059998.D
Acq: 4 Feb 2020 16:42

Tgt Ion: 75 Resp: 73522
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 67.777 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059998.D

Acq: 4 Feb 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

TP-C-1

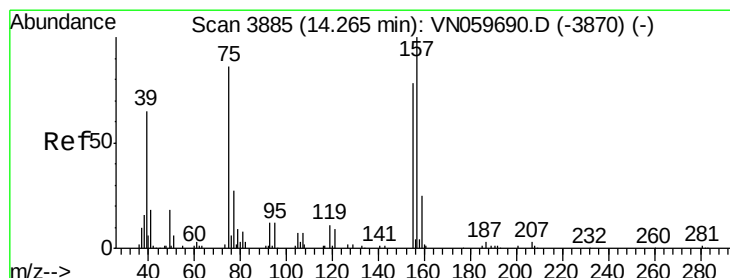
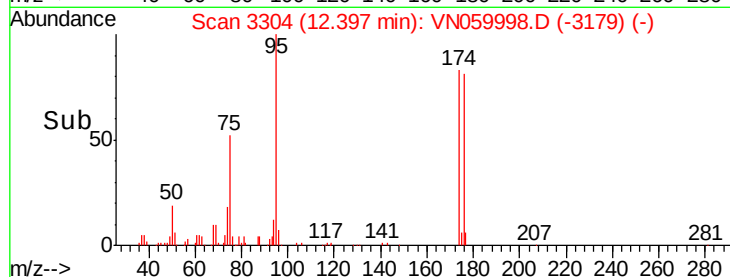
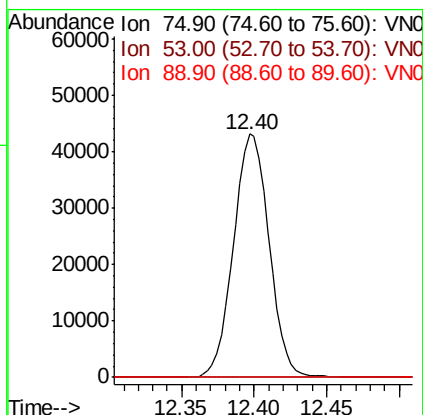
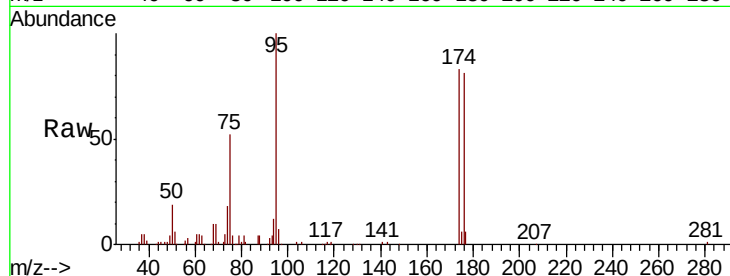
Tot Ion: 75 Resp: 73522

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# 3894

Delta R.T. 0.03 min

Lab File: VN059998.D

Acq: 4 Feb 2020 16:42

Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

