

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN059997.D
 Acq On : 4 Feb 2020 16:19
 Operator : JC/MD
 Sample : L1383-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-B-1

Quant Time: Feb 05 01:24:21 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	204617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	290718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131793	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	115025	50.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.24%	
35) Dibromofluoromethane	7.57	113	95237	50.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.78%	
50) Toluene-d8	10.08	98	379544	51.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.40	95	136886	51.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.72%	

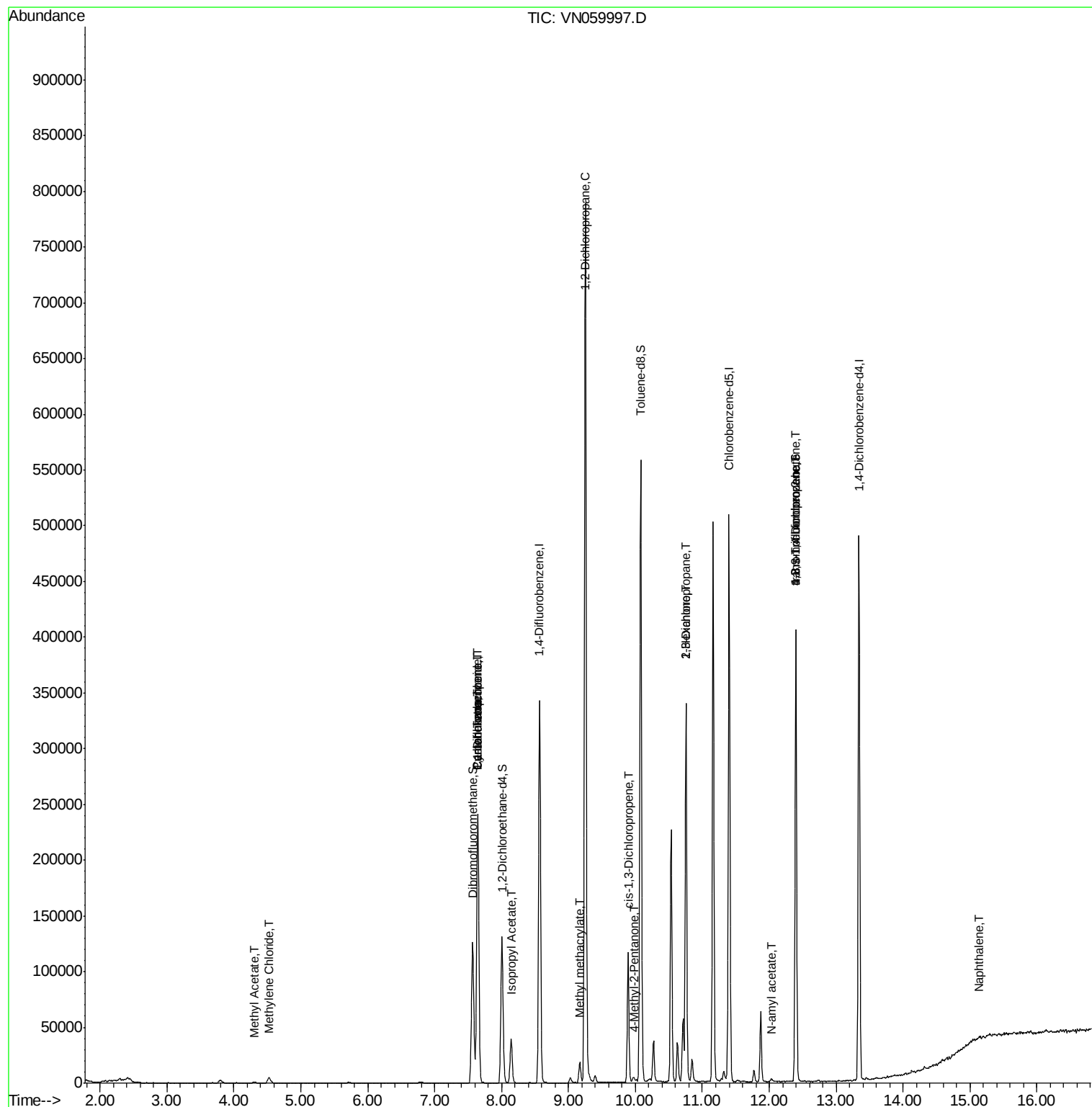
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	5434	Below Cal		95
18) Methyl Acetate	4.30	43	685	0.258	ug/l #	54
20) Methylene Chloride	4.53	84	4078	0.708	ug/l	96
31) Cyclohexane	7.64	56	4224	1.256	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14415	5.223	ug/l #	51
38) Carbon Tetrachloride	7.64	117	19589	6.525	ug/l #	16
43) Isopropyl Acetate	8.14	43	47157	10.592	ug/l #	91
45) 1,2-Dichloropropane	9.26	63	921	0.452	ug/l #	44
48) Methyl methacrylate	9.17	41	2496	1.253	ug/l #	13
51) 4-Methyl-2-Pentanone	9.98	43	3499	1.360	ug/l	97
54) cis-1,3-Dichloropropene	9.89	75	21261	6.251	ug/l #	58
57) 1,3-Dichloropropane	10.76	76	3607	1.103	ug/l #	42
59) 2-Hexanone	10.76	43	46827	24.697	ug/l #	55
74) N-amyl acetate	12.03	43	1966	0.524	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	70151	31.629	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	70151	67.923	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.28	75	67	Below Cal	#	6
95) Naphthalene	15.13	128	1911	0.266	ug/l #	82

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059997.D

Acq: 4 Feb 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

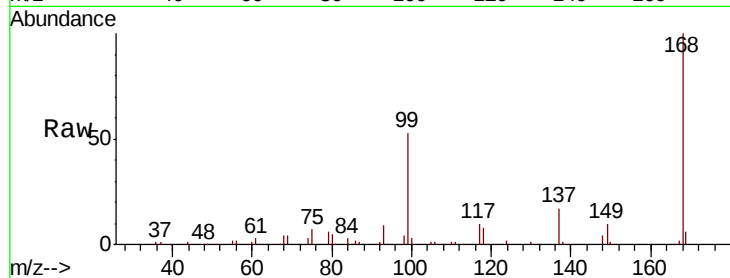
TP-B-1

Tot Ion:168 Resp: 204617

Ion Ratio Lower Upper

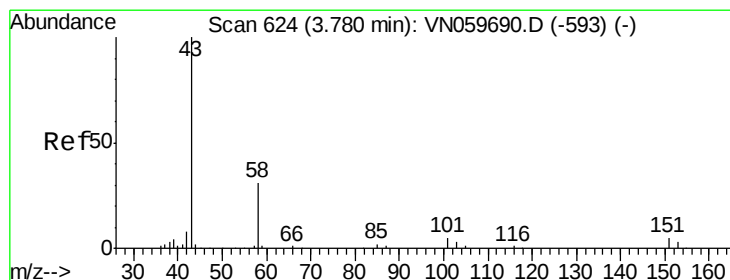
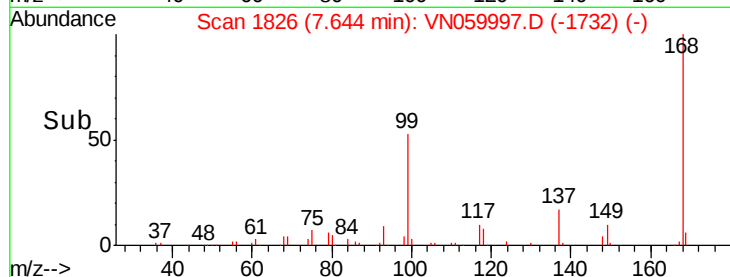
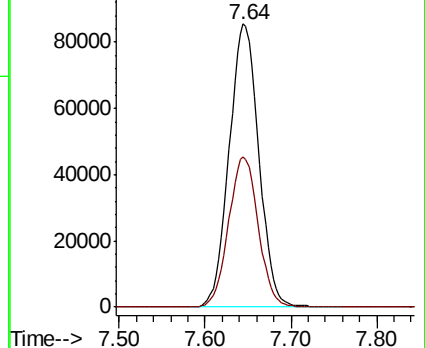
168 100

99 53.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 630

Delta R.T. 0.02 min

Lab File: VN059997.D

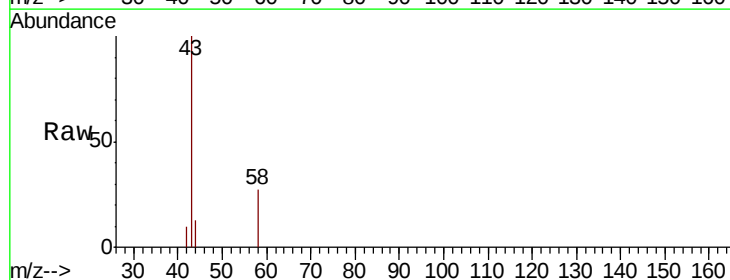
Acq: 4 Feb 2020 16:19

Tgt Ion: 43 Resp: 5434

Ion Ratio Lower Upper

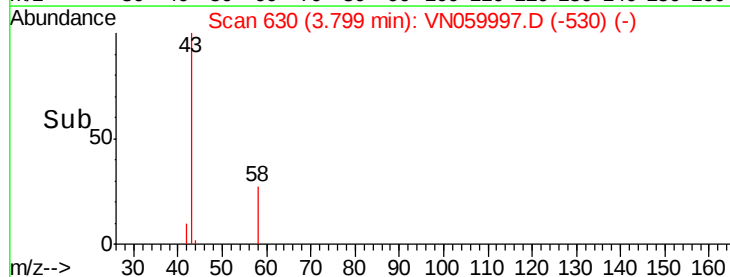
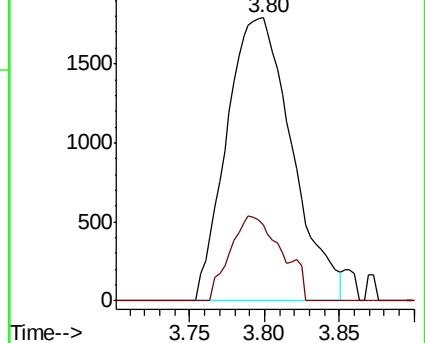
43 100

58 27.0 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

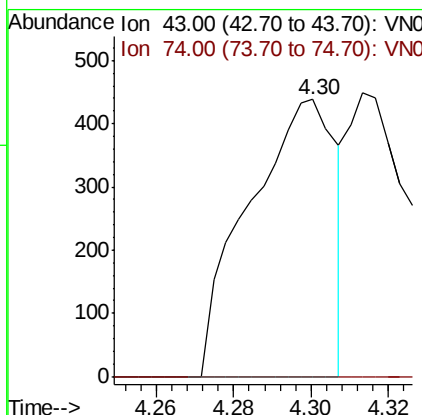
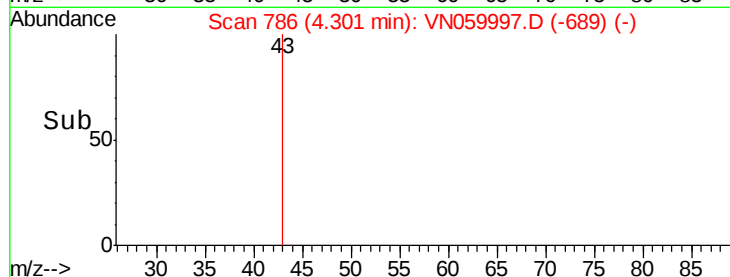
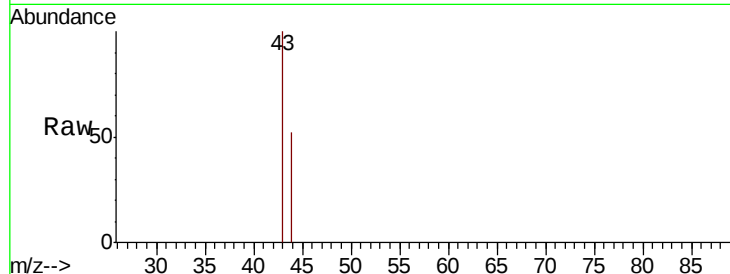




#18
Methyl Acetate
Concen: 0.258 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059997.D
Acq: 4 Feb 2020 16:19

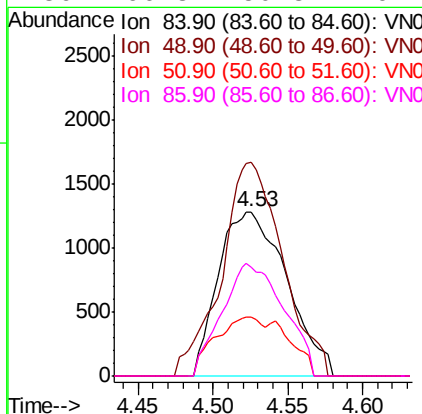
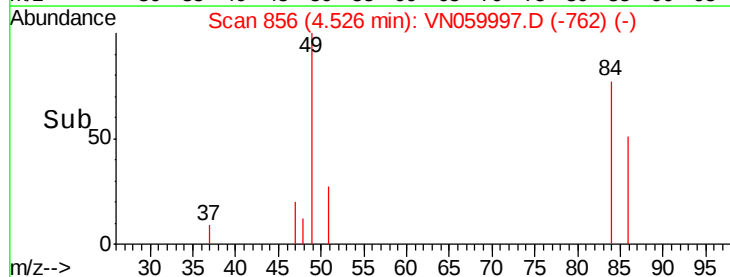
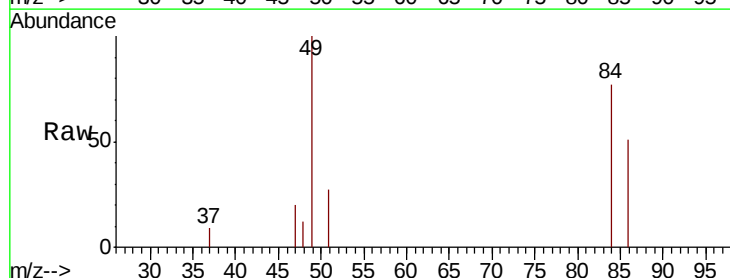
Instrument :
MSVOA_N
ClientSampled :
TP-B-1

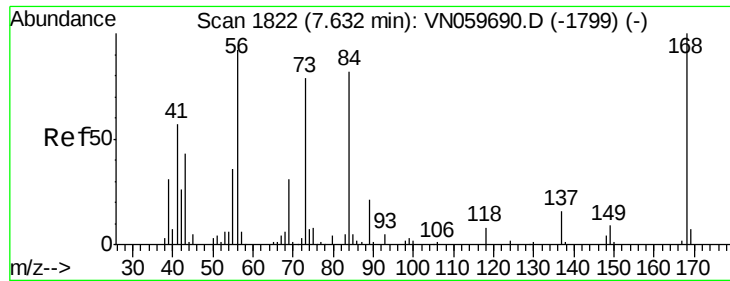
Tot Ion: 43 Resp: 685
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 0.708 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059997.D
Acq: 4 Feb 2020 16:19

Tgt Ion: 84 Resp: 4078
Ion Ratio Lower Upper
84 100
49 130.3 106.6 160.0
51 35.8 31.9 47.9
86 66.3 50.8 76.2

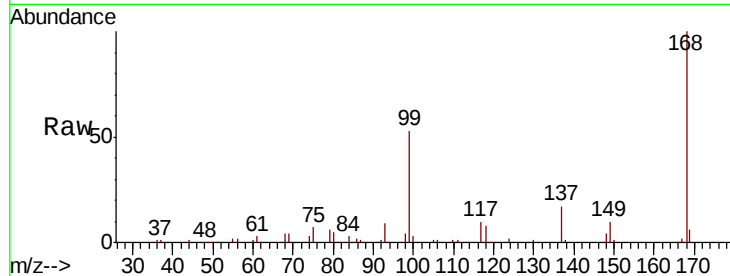




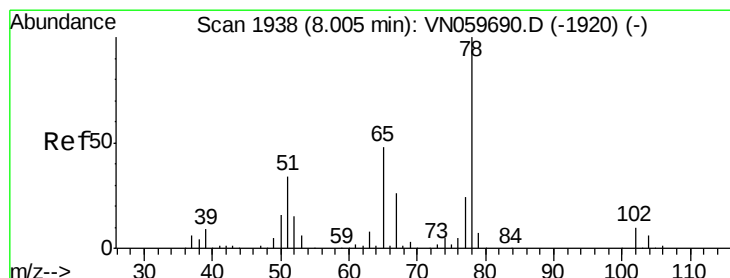
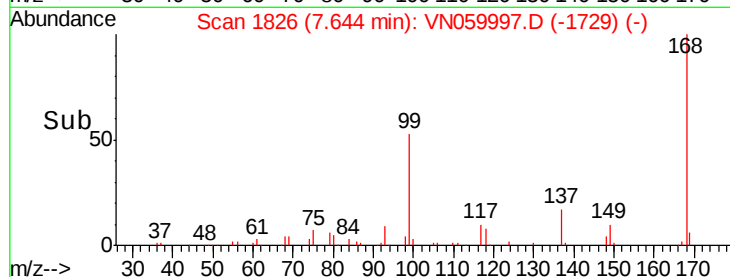
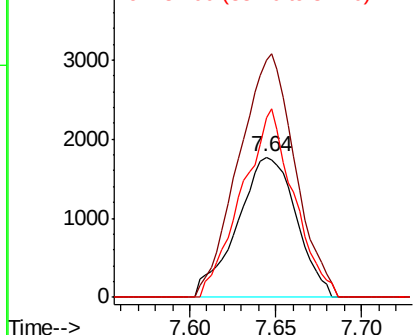
#31
Cyclohexane
Concen: 1.256 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059997.D
Acq: 4 Feb 2020 16:19

Instrument :
MSVOA_N
ClientSampled :
TP-B-1

Tot Ion: 56 Resp: 4224
Ion Ratio Lower Upper
56 100
69 169.0 26.5 39.7#
84 127.5 65.3 97.9#

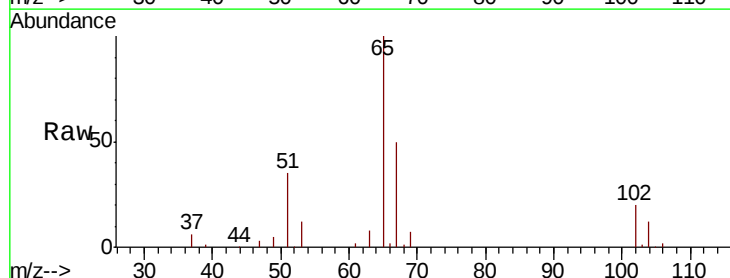


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

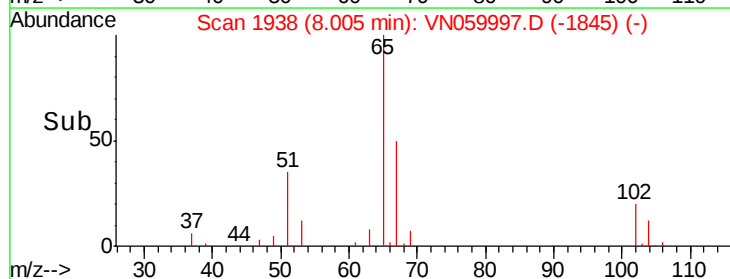
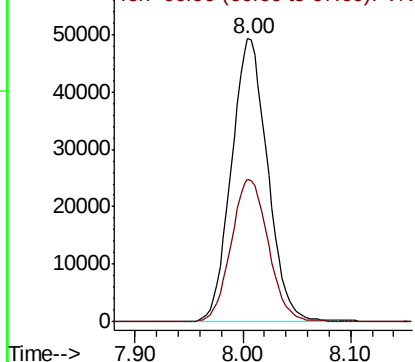


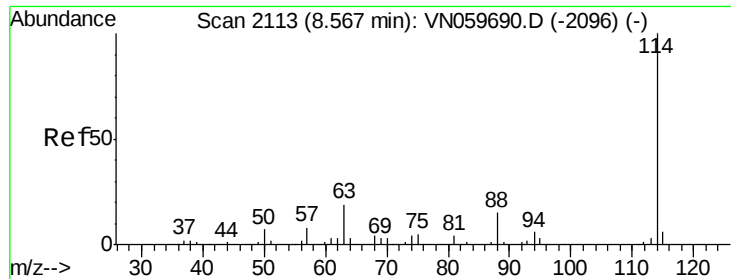
#33
1,2-Dichloroethane-d4
Concen: 50.620 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059997.D
Acq: 4 Feb 2020 16:19

Tgt Ion: 65 Resp: 115025
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

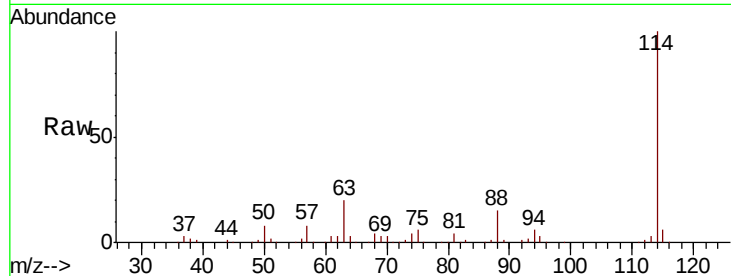




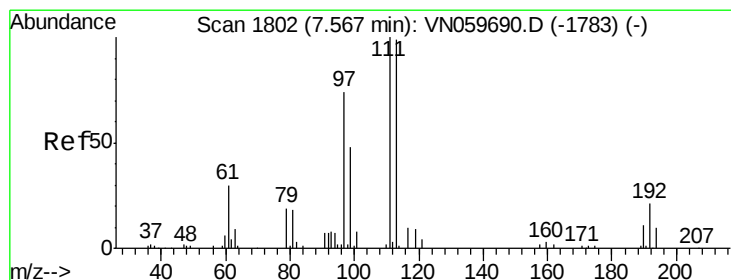
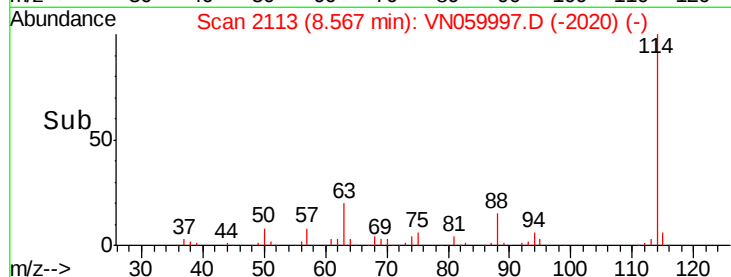
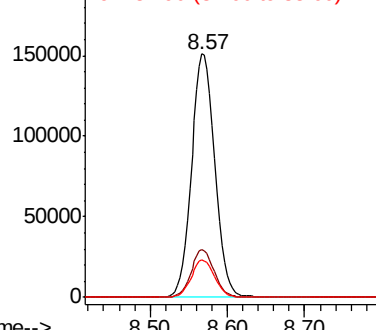
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN059997.D
Acq: 4 Feb 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
TP-B-1

Tot Ion:114 Resp: 316911
Ion Ratio Lower Upper
114 100
63 19.7 0.0 43.6
88 15.3 0.0 31.4

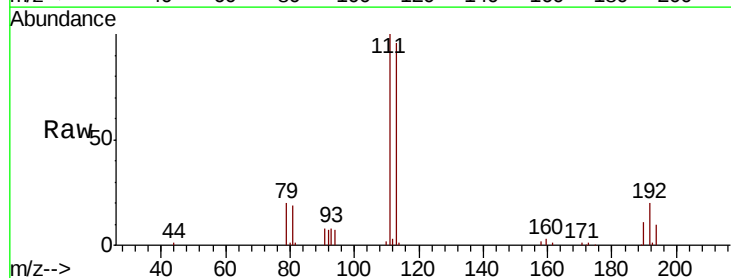


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

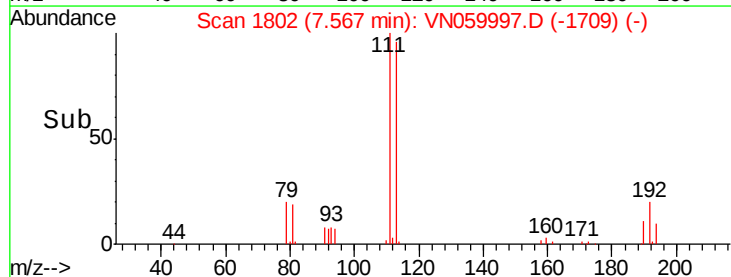
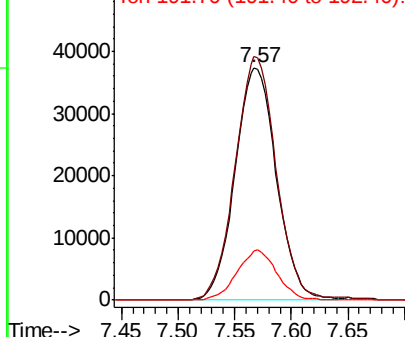


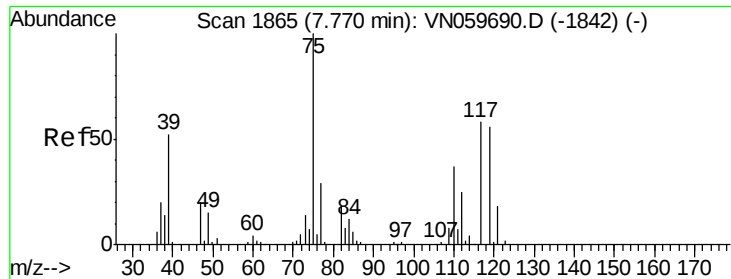
#35
Dibromofluoromethane
Concen: 50.393 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059997.D
Acq: 4 Feb 2020 16:19

Tgt Ion:113 Resp: 95237
Ion Ratio Lower Upper
113 100
111 104.5 83.5 125.3
192 20.7 15.4 23.2



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

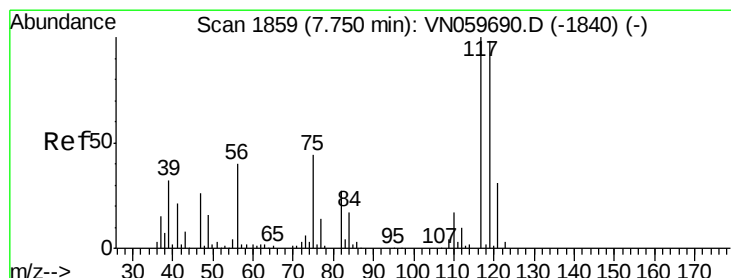
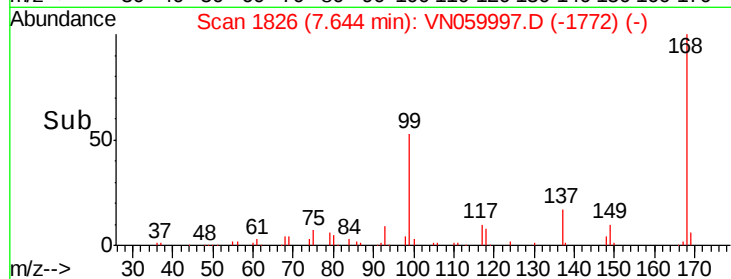
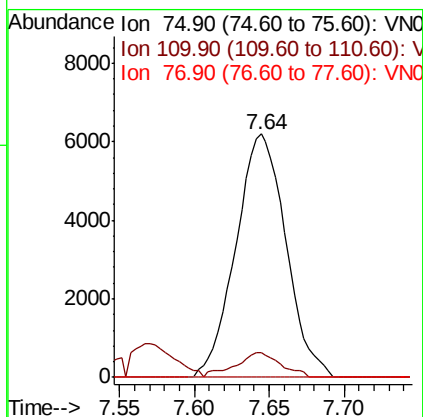
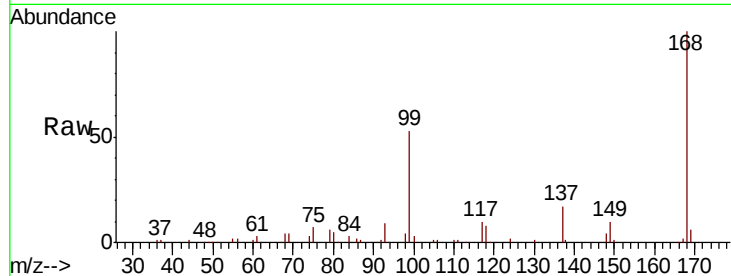




#36
 1,1-Dichloropropene
 Concen: 5.223 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059997.D
 Acq: 4 Feb 2020 16:19

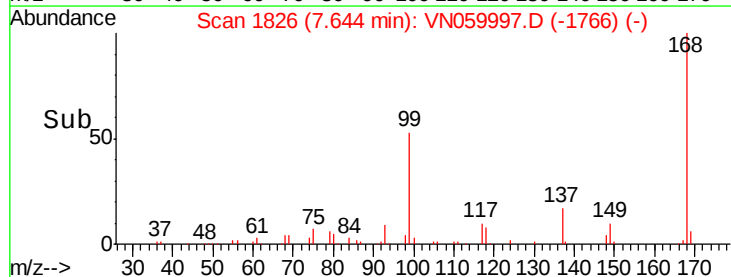
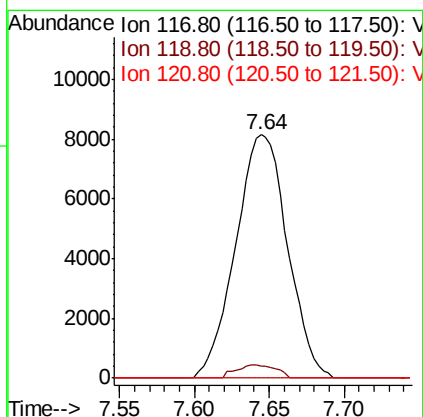
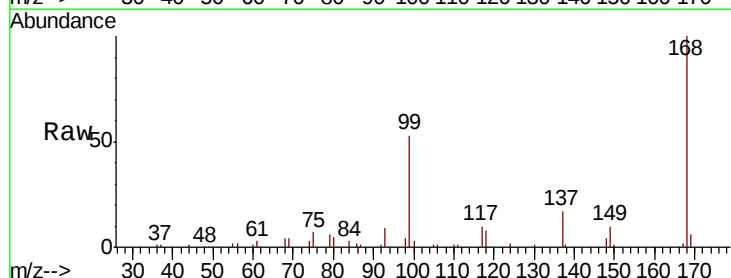
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-B-1

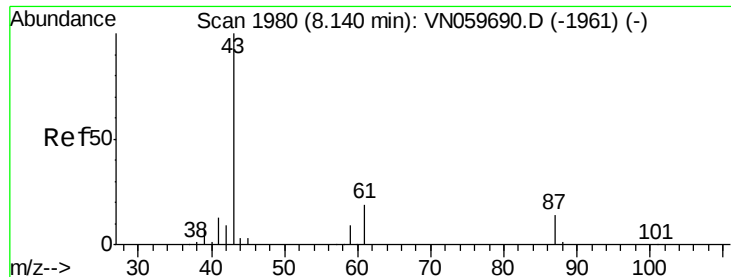
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.6	49.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.525 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059997.D
 Acq: 4 Feb 2020 16:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.5	114.7#
121	0.0	25.1	37.7#





#43

Isopropyl Acetate

Concen: 10.592 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059997.D

Acq: 4 Feb 2020 16:19

Instrument :

MSVOA_N

ClientSampled :

TP-B-1

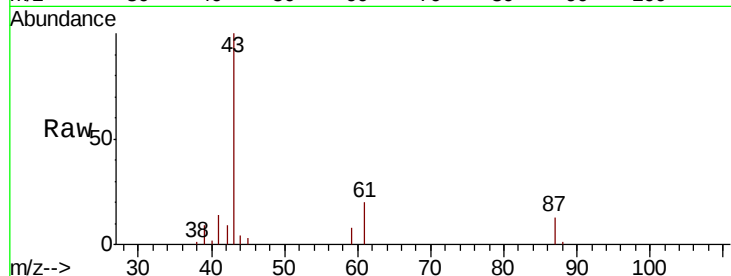
Tot Ion: 43 Resp: 47157

Ion Ratio Lower Upper

43 100

61 19.2 20.2 30.2#

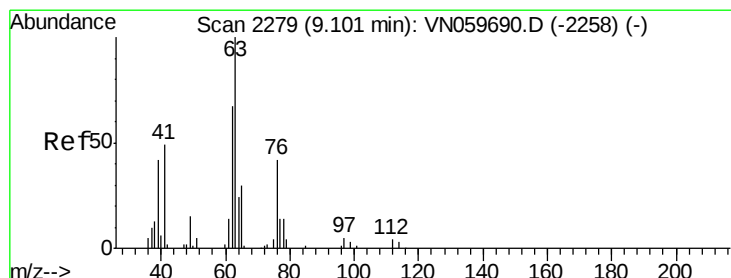
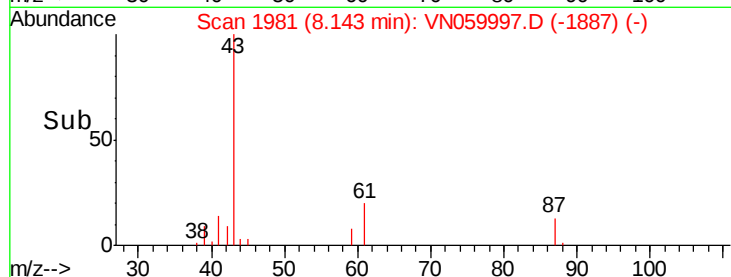
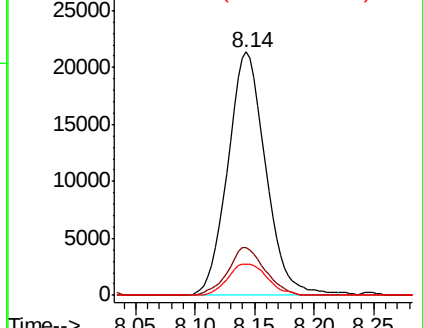
87 13.4 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059997.D (-1987) (-)

Ion 61.00 (60.70 to 61.70): VN059997.D (-1987) (-)

Ion 87.00 (86.70 to 87.70): VN059997.D (-1987) (-)



#45

1,2-Dichloropropane

Concen: 0.452 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN059997.D

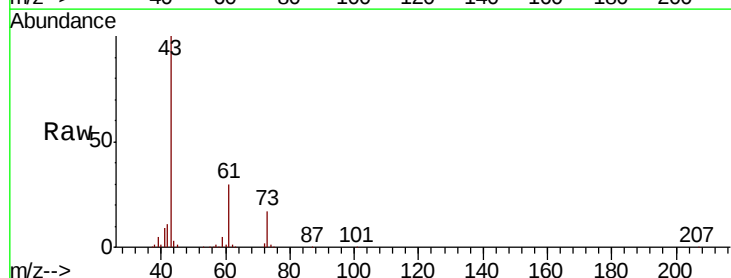
Acq: 4 Feb 2020 16:19

Tgt Ion: 63 Resp: 921

Ion Ratio Lower Upper

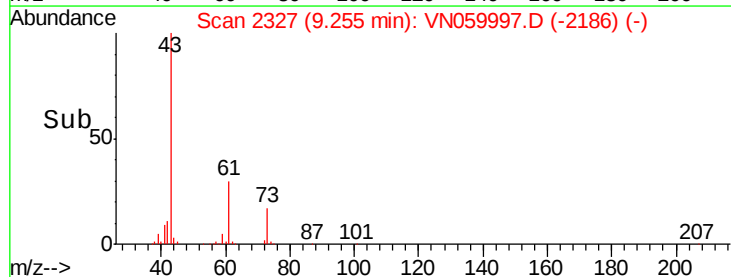
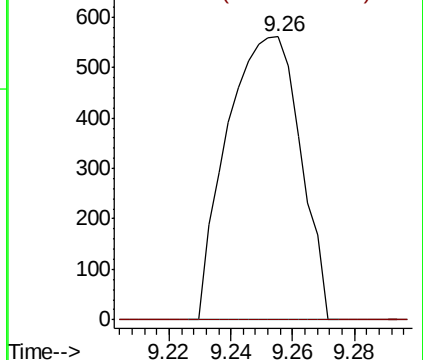
63 100

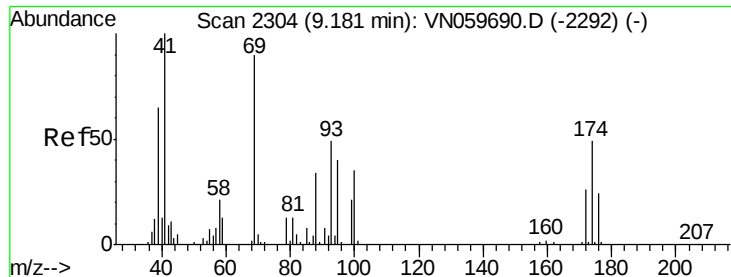
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059997.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059997.D (-2186) (-)

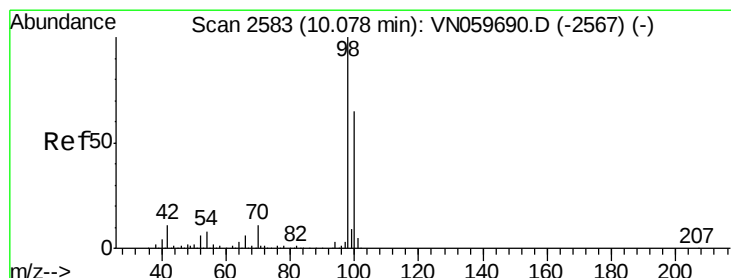
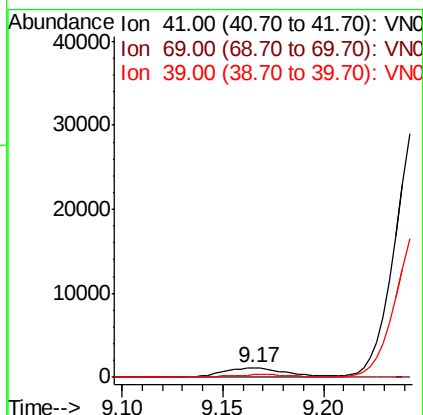
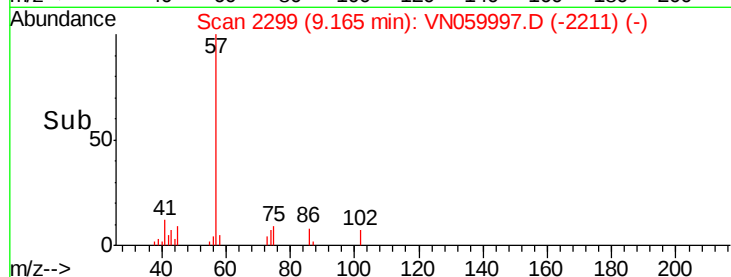
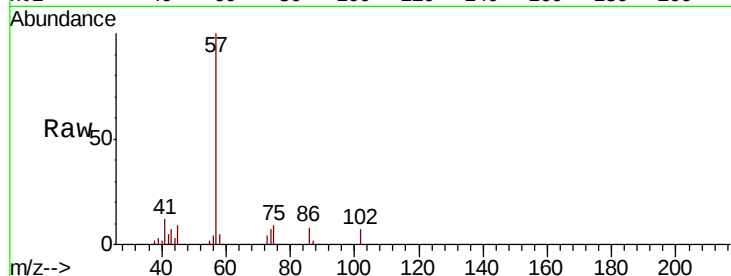




#48
Methvl methacrylate
Concen: 1.253 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN059997.D
Acq: 4 Feb 2020 16:19

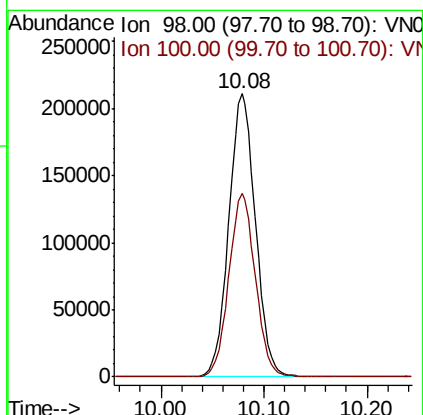
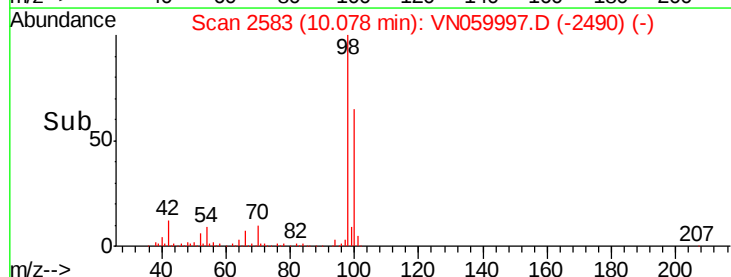
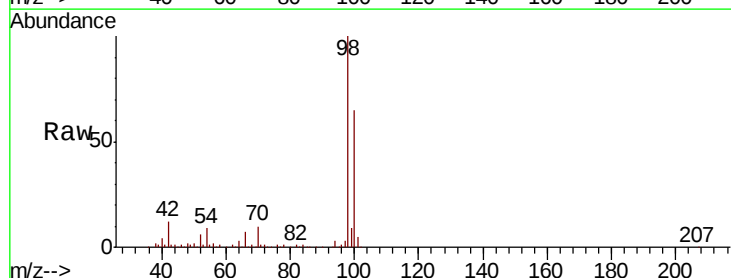
Instrument :
MSVOA_N
ClientSampleId :
TP-B-1

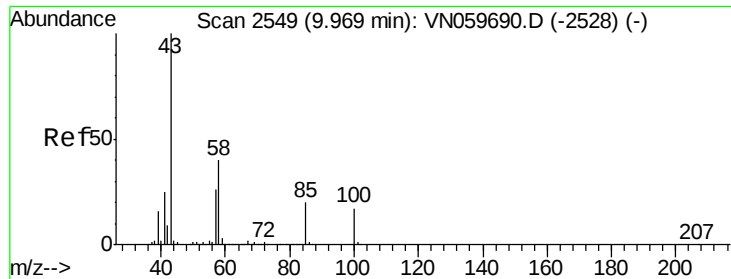
Tot Ion: 41 Resp: 2496
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.834 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059997.D
Acq: 4 Feb 2020 16:19

Tgt Ion: 98 Resp: 379544
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8

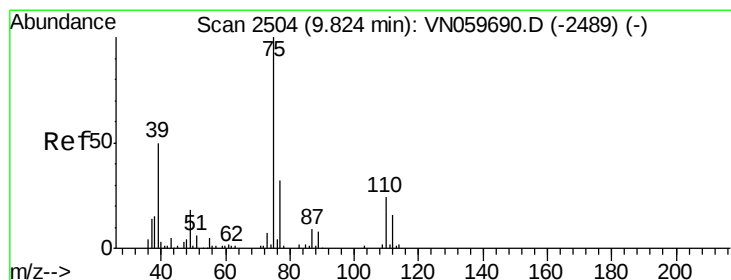
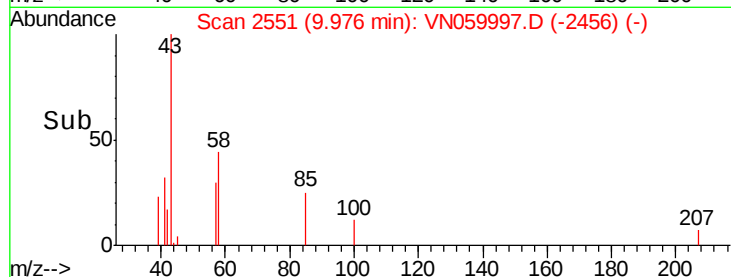
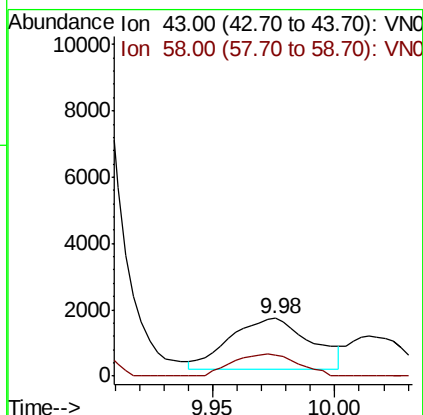
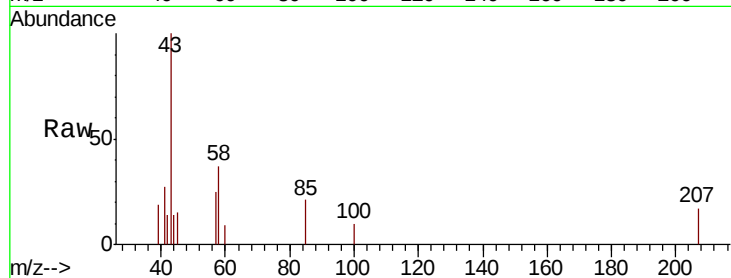




#51
 4-Methyl-2-Pentanone
 Concen: 1.360 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.01 min
 Lab File: VN059997.D
 Acq: 4 Feb 2020 16:19

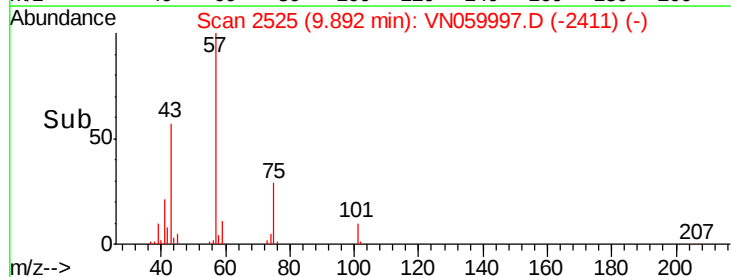
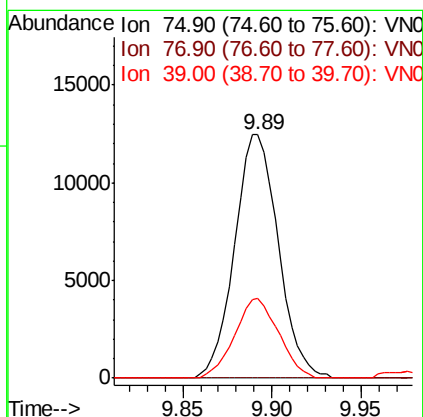
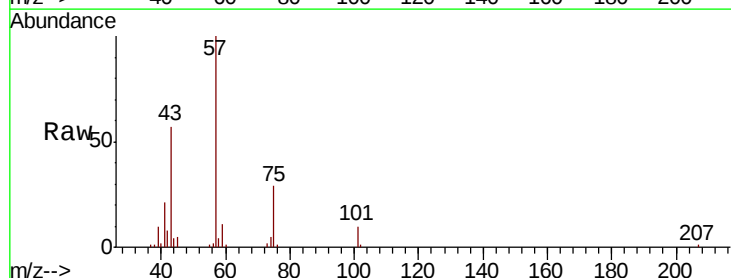
Instrument :
 MSVOA_N
 ClientSampled :
 TP-B-1

Tot Ion: 43 Resp: 3499
 Ion Ratio Lower Upper
 43 100
 58 35.5 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 6.251 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN059997.D
 Acq: 4 Feb 2020 16:19

Tgt Ion: 75 Resp: 21261
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 32.5 46.1 69.1#





#57

1,3-Dichloropropane

Concen: 1.103 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN059997.D

Acq: 4 Feb 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

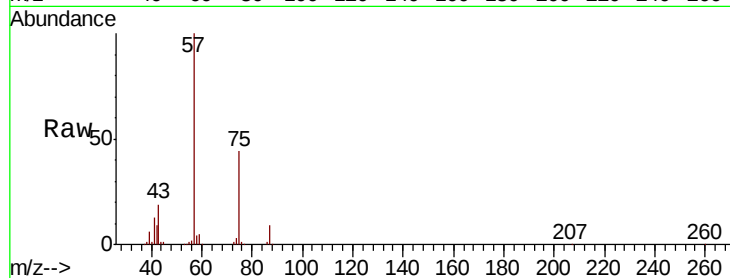
TP-B-1

Tot Ion: 76 Resp: 3607

Ion Ratio Lower Upper

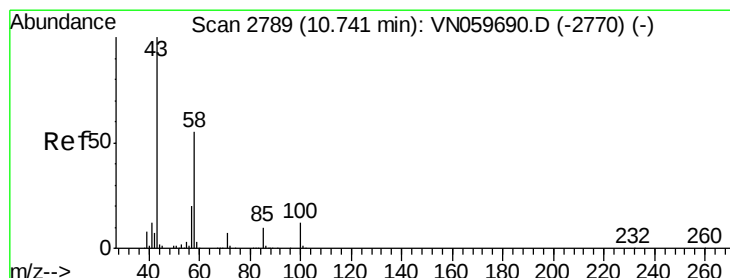
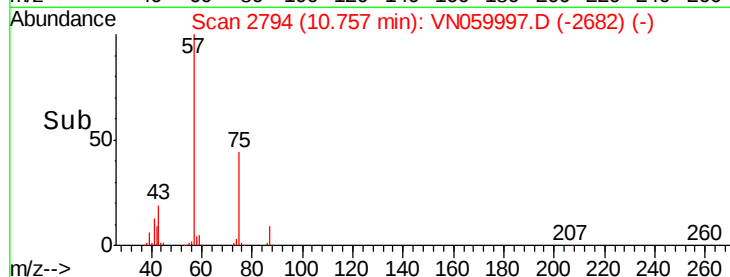
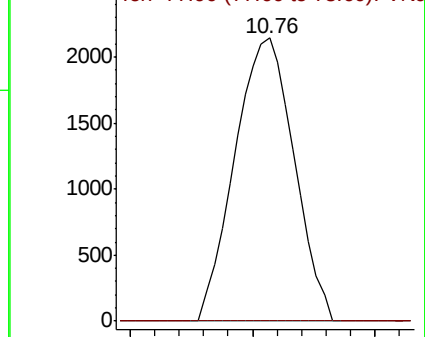
76 100

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: 24.697 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.02 min

Lab File: VN059997.D

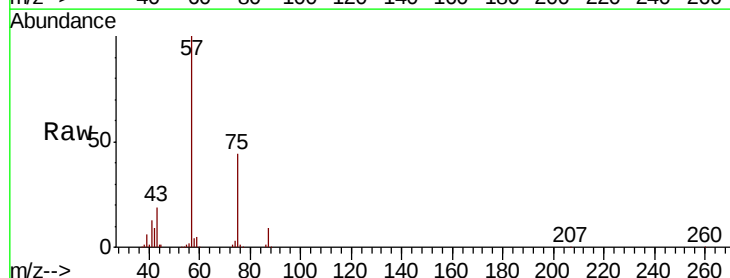
Acq: 4 Feb 2020 16:19

Tgt Ion: 43 Resp: 46827

Ion Ratio Lower Upper

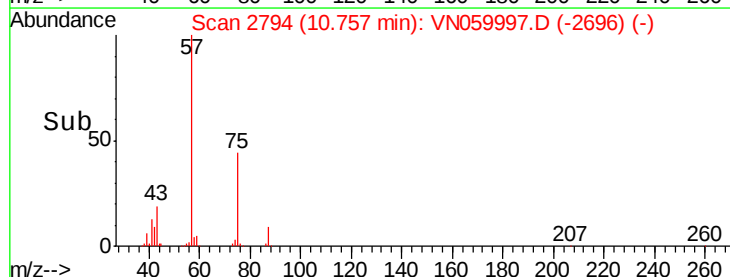
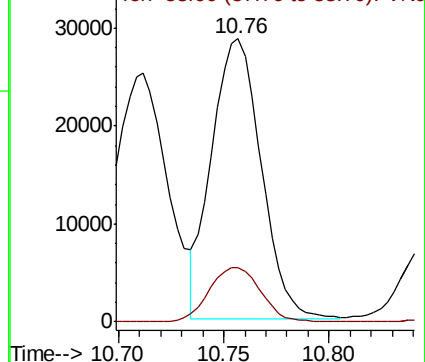
43 100

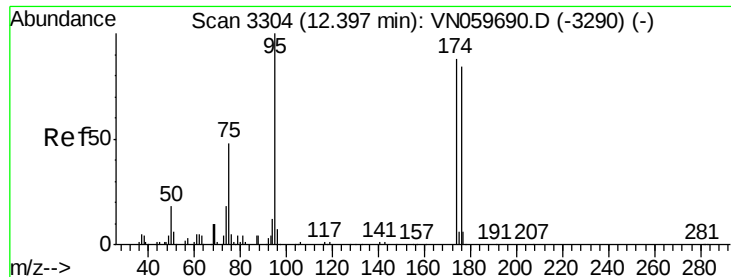
58 20.2 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

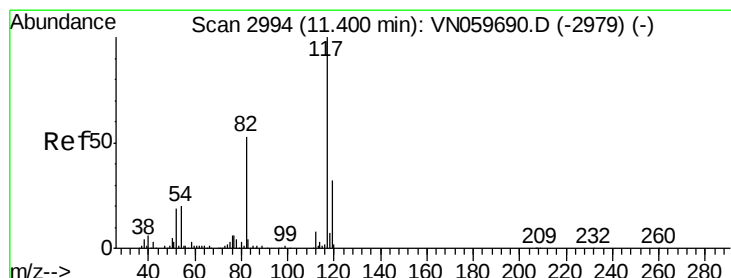
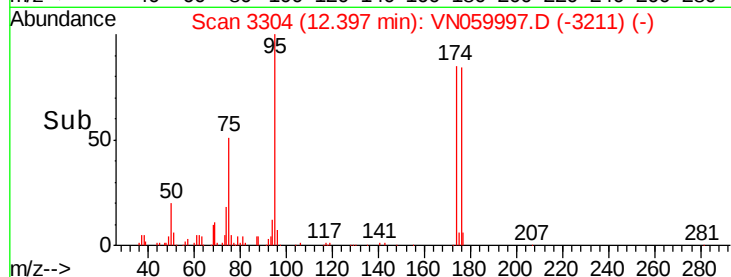
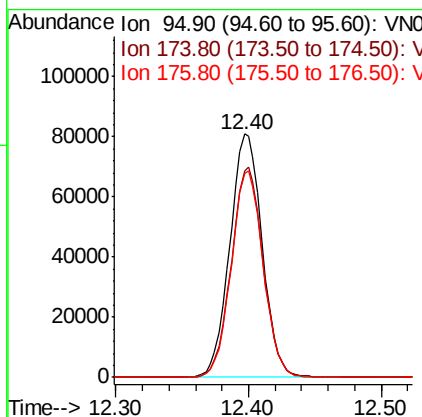
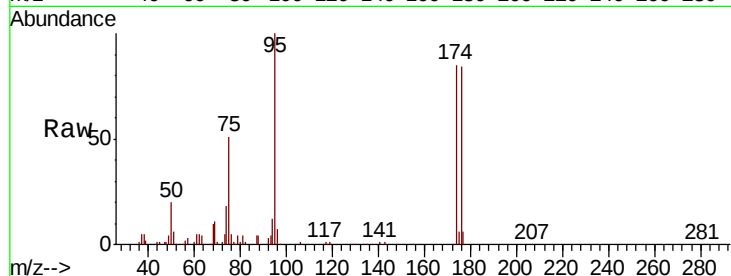




#62
4-Bromofluorobenzene
Concen: 51.857 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059997.D
Acq: 4 Feb 2020 16:19

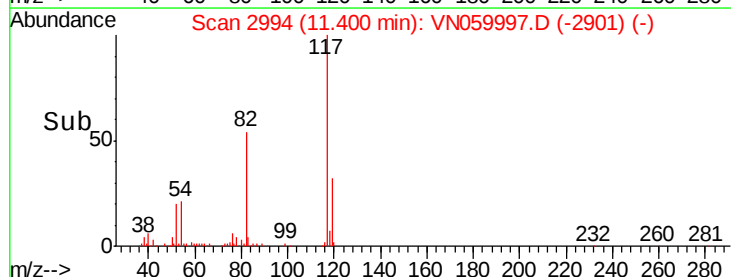
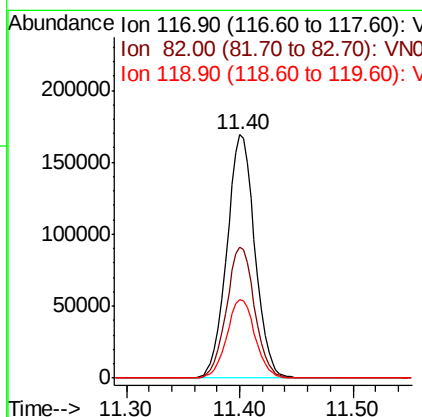
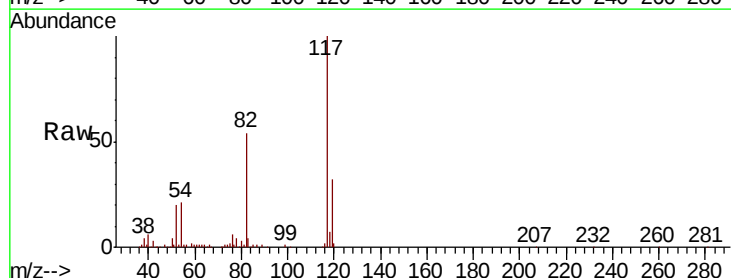
Instrument :
MSVOA_N
ClientSampled :
TP-B-1

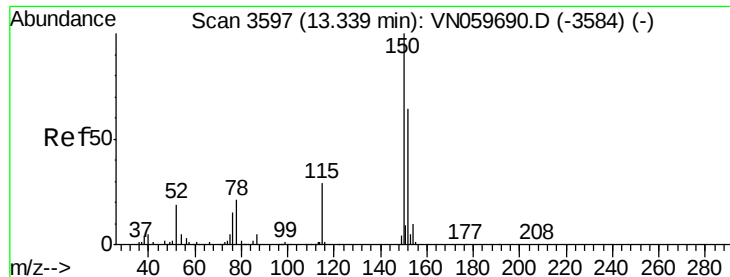
Tot Ion: 95 Resp: 136886
Ion Ratio Lower Upper
95 100
174 85.1 0.0 151.4
176 83.4 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059997.D
Acq: 4 Feb 2020 16:19

Tgt Ion: 117 Resp: 290718
Ion Ratio Lower Upper
117 100
82 54.0 45.9 68.9
119 32.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059997.D

Acq: 4 Feb 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

TP-B-1

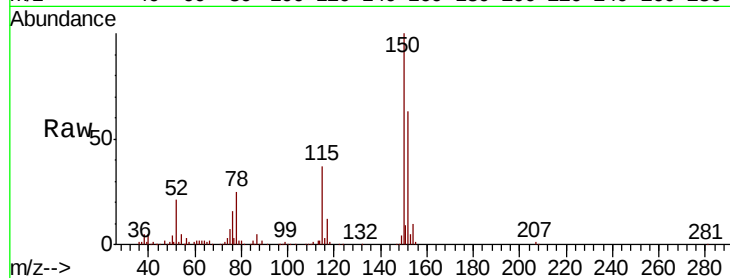
Tot Ion:152 Resp: 131793

Ion Ratio Lower Upper

152 100

115 58.5 30.3 90.9

150 158.9 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

150000

100000

50000

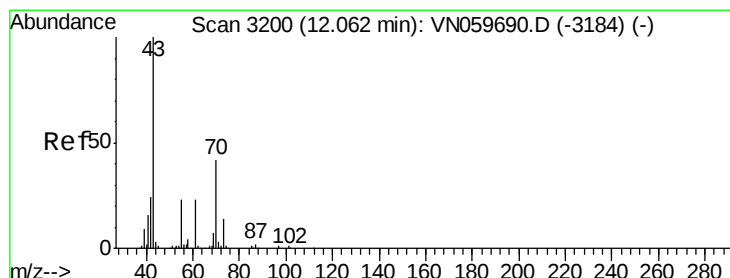
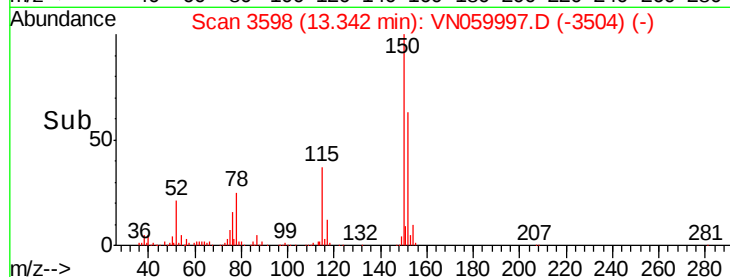
0

13.34

13.30

13.40

Time-->



#74

N-ethyl acetate

Concen: 0.524 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059997.D

Acq: 4 Feb 2020 16:19

Tgt Ion: 43 Resp: 1966

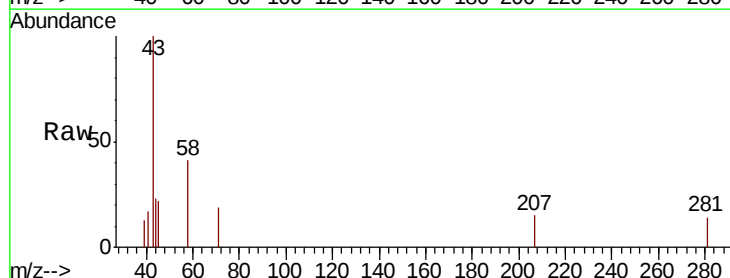
Ion Ratio Lower Upper

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): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

2000

1500

1000

500

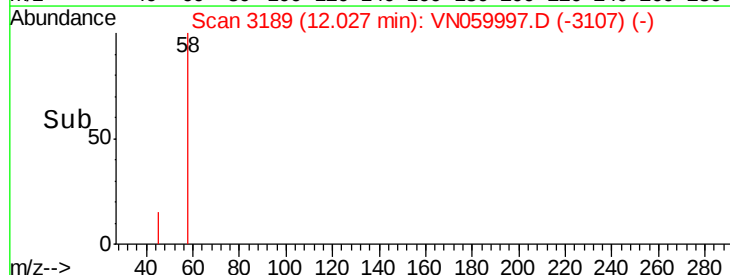
0

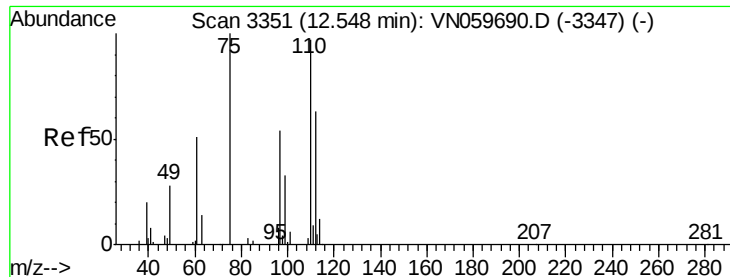
12.03

12.00

12.05

Time-->





#76

1,2,3-Trichloropropane

Concen: 31.629 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059997.D

Acq: 4 Feb 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

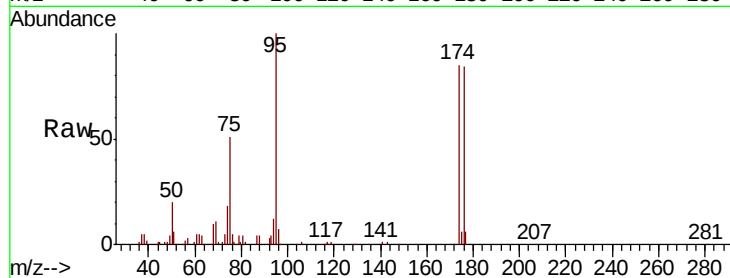
TP-B-1

Tot Ion: 75 Resp: 70151

Ion Ratio Lower Upper

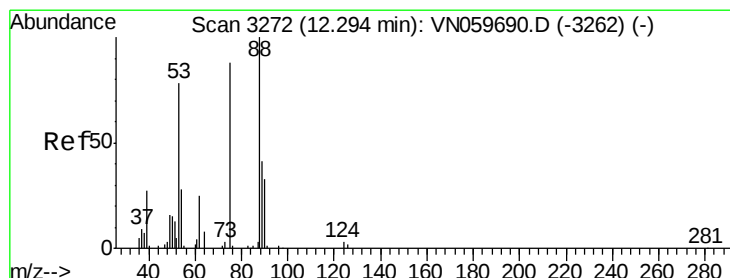
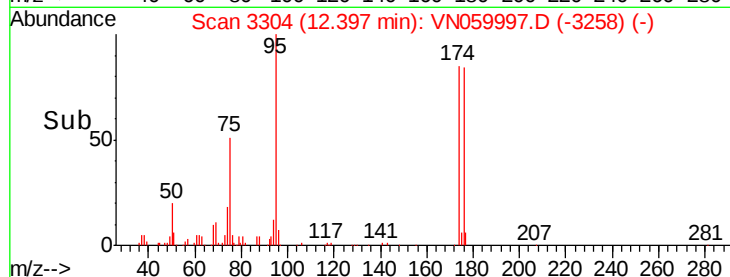
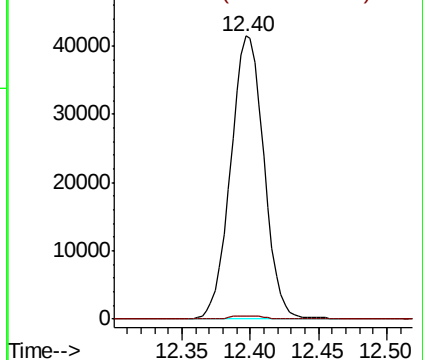
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 67.923 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059997.D

Acq: 4 Feb 2020 16:19

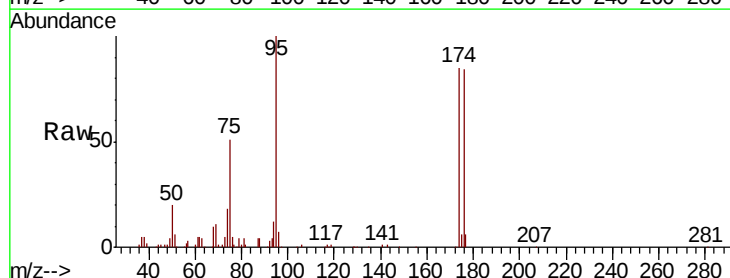
Tgt Ion: 75 Resp: 70151

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

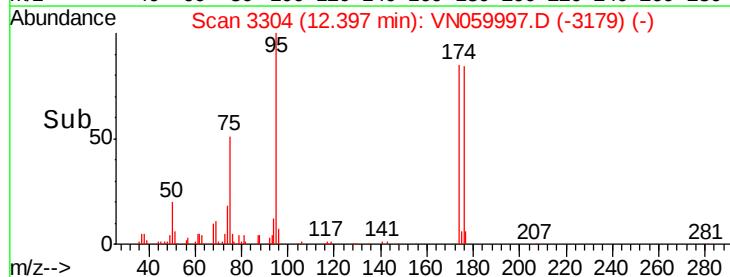
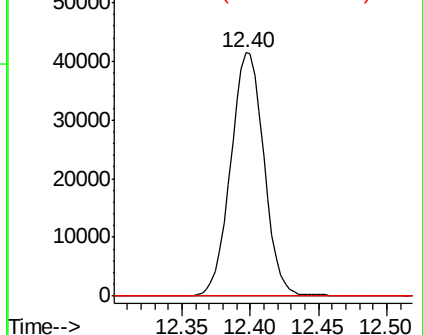
89 0.0 35.4 53.2#

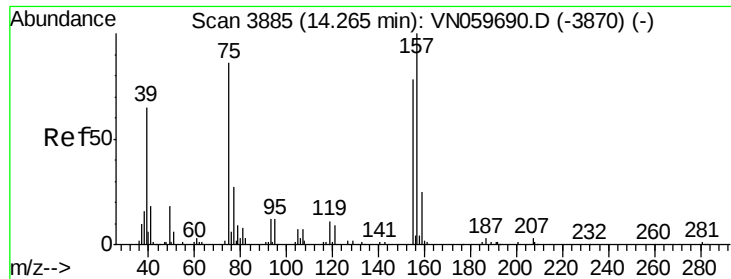


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

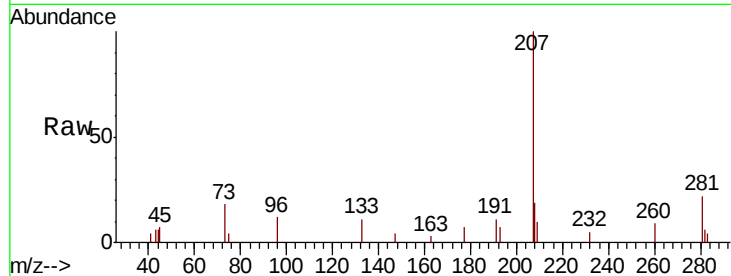




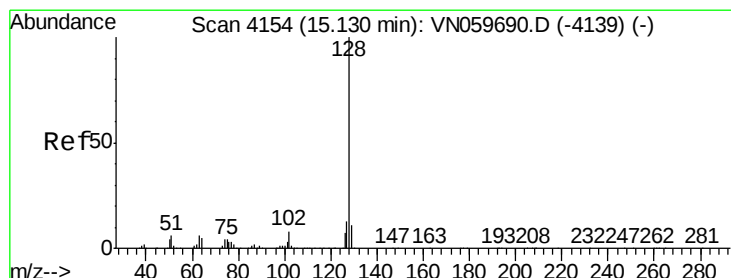
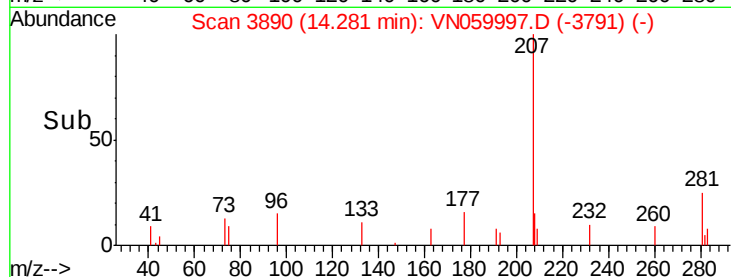
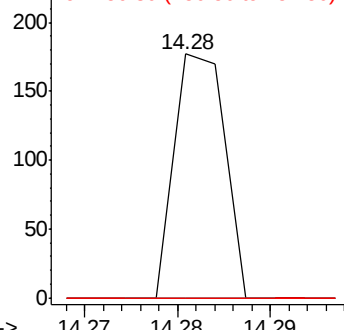
#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.02 min
 Lab File: VN059997.D
 Acq: 4 Feb 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-B-1

Tot Ion: 75 Resp: 67
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.0 110.9#
 157 0.0 48.4 145.2#

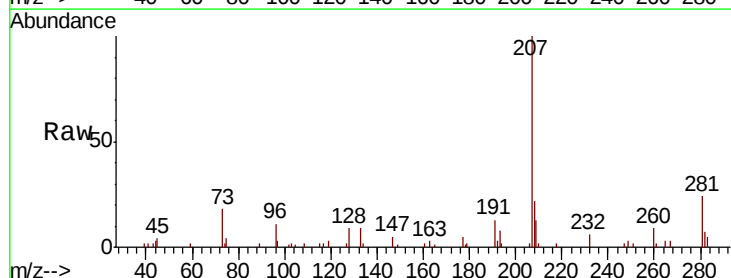


Abundance Ion 74.90 (74.60 to 75.60): VN059997.D (-3870) (-)
 Ion 154.80 (154.50 to 155.50): VN059997.D (-3870) (-)
 Ion 156.80 (156.50 to 157.50): VN059997.D (-3870) (-)



#95
 Naphthalene
 Concen: 0.266 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN059997.D
 Acq: 4 Feb 2020 16:19

Tgt Ion: 128 Resp: 1911
 Ion Ratio Lower Upper
 128 100
 127 9.4 10.4 15.6#
 129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN059997.D (-4061) (-)
 Ion 127.00 (126.70 to 127.70): VN059997.D (-4061) (-)
 Ion 129.00 (128.70 to 129.70): VN059997.D (-4061) (-)

