

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
 Data File : VN060936.D
 Acq On : 14 Apr 2020 16:15
 Operator : JC/MD
 Sample : L2230-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-12-A

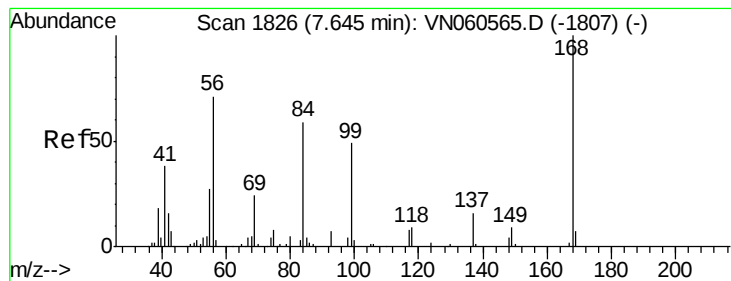
Quant Time: Apr 15 07:46:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	151367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	258572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	241811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	109208	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	100486	48.36	ug/l	0.00
Spiked Amount						
			Recovery	=	96.72%	
35) Dibromofluoromethane	7.56	113	76320	48.81	ug/l	0.00
Spiked Amount						
			Recovery	=	97.62%	
50) Toluene-d8	10.08	98	321740	50.38	ug/l	0.00
Spiked Amount						
			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.40	95	120009	51.28	ug/l	0.00
Spiked Amount						
			Recovery	=	102.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	29568	40.172	ug/l	100
18) Methyl Acetate	4.29	43	1327	0.641	ug/l #	59
20) Methylene Chloride	4.52	84	3392	1.873	ug/l	87
25) 2-Butanone	6.80	43	10653	8.944	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	956	0.482	ug/l	83
31) Cyclohexane	7.64	56	3262	0.975	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12111	4.837	ug/l #	50
37) Ethyl Acetate	6.80	43	10653	3.938	ug/l #	88
38) Carbon Tetrachloride	7.64	117	14834	6.610	ug/l #	17
43) Isopropyl Acetate	8.14	43	41138	9.220	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	520	0.261	ug/l #	43
48) Methyl methacrylate	9.16	41	2657	1.338	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	3649	1.437	ug/l #	84
54) cis-1,3-Dichloropropene	9.89	75	15392	4.875	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	1758	0.577	ug/l #	42
59) 2-Hexanone	10.75	43	29863	16.328	ug/l #	52
74) N-amyl acetate	12.02	43	1697	0.448	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	62275	26.427	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	62275	67.873	ug/l #	13
95) Naphthalene	15.13	128	2185	0.355	ug/l #	80

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060936.D

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Instrument :

MSVOA_N

ClientSampleId :

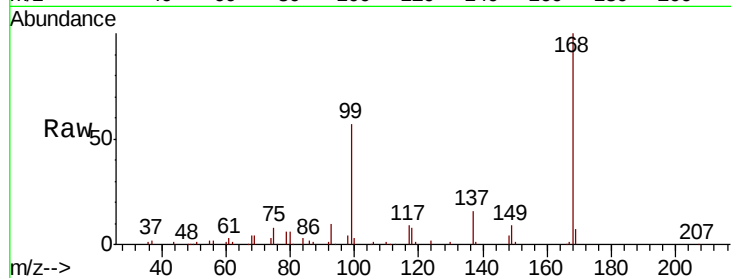
TP-12-A

Tot Ion:168 Resp: 151367

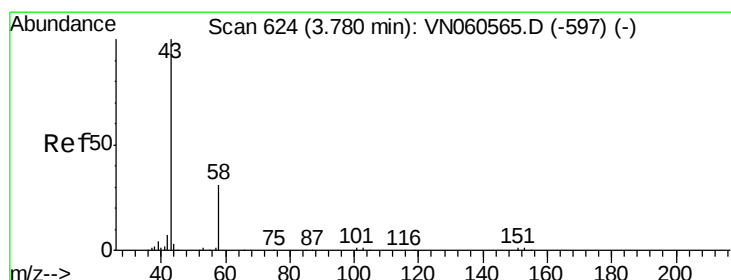
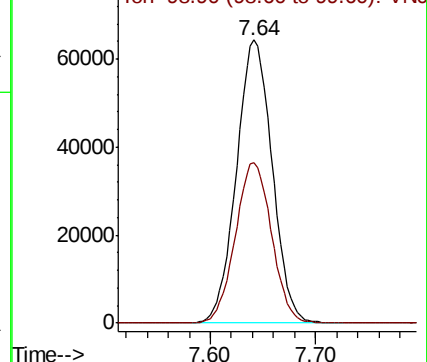
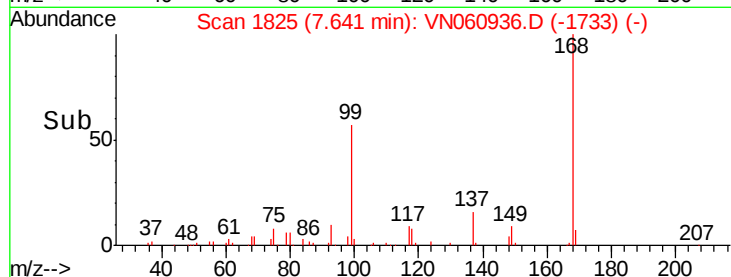
Ion Ratio Lower Upper

168 100

99 56.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060936.D (-1733) (-)



#16

Acetone

Concen: 40.172 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060936.D

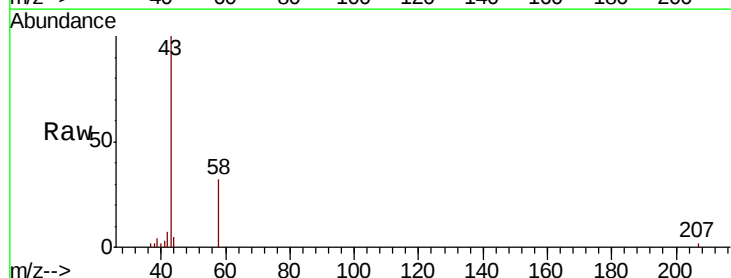
Acq: 14 Apr 2020 16:15

Tgt Ion: 43 Resp: 29568

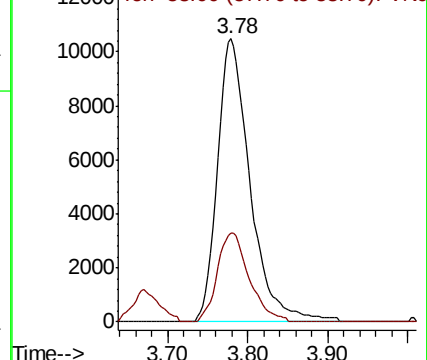
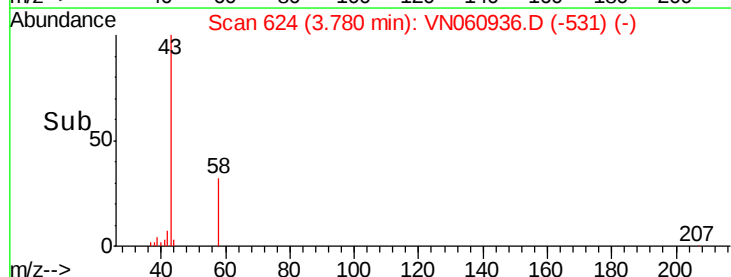
Ion Ratio Lower Upper

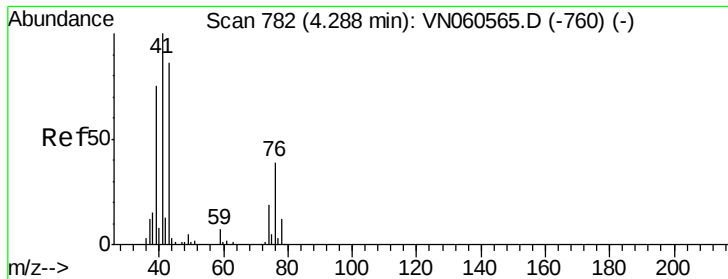
43 100

58 31.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060936.D (-531) (-)

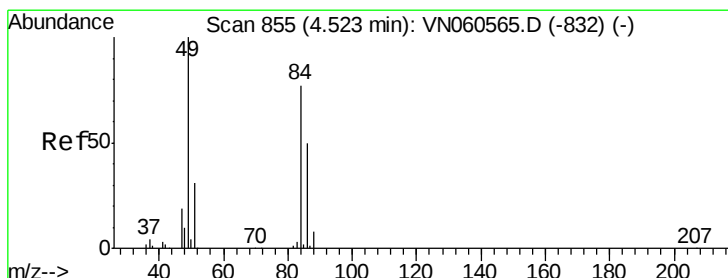
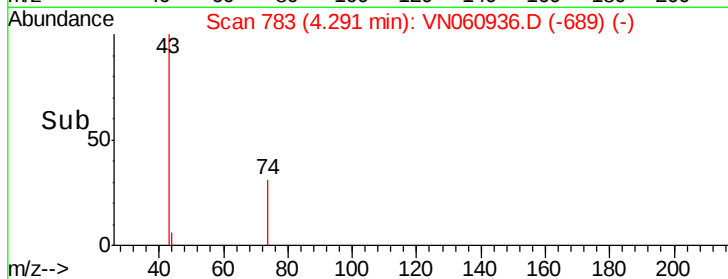
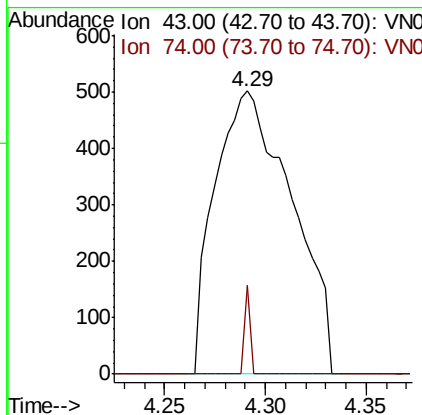
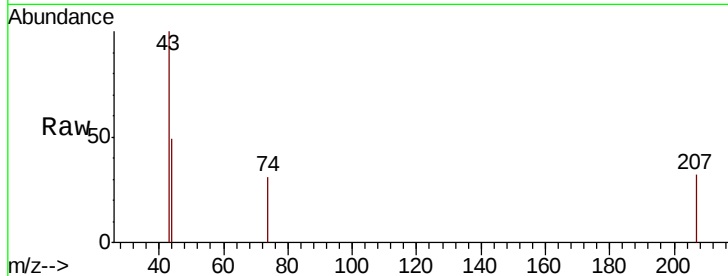




#18
Methvl Acetate
Concen: 0.641 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060936.D
Acq: 14 Apr 2020 16:15

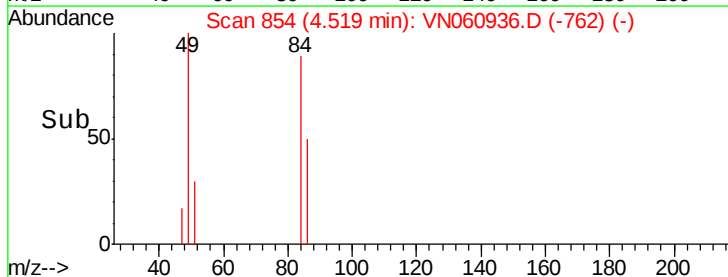
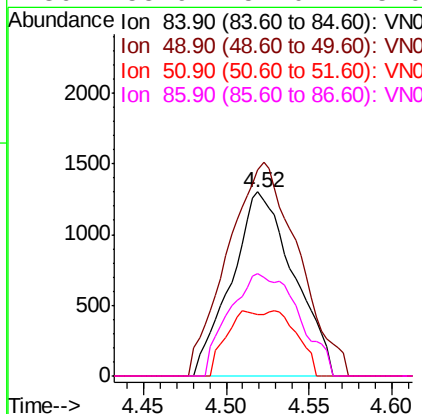
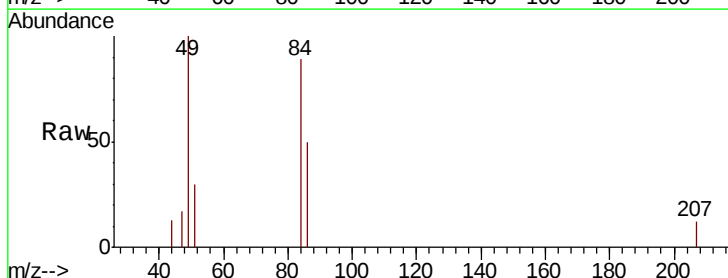
Instrument :
MSVOA_N
ClientSampleId :
TP-12-A

Tot Ion: 43 Resp: 1327
Ion Ratio Lower Upper
43 100
74 2.3 17.5 26.3#



#20
Methylene Chloride
Concen: 1.873 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060936.D
Acq: 14 Apr 2020 16:15

Tgt Ion: 84 Resp: 3392
Ion Ratio Lower Upper
84 100
49 112.3 103.3 154.9
51 33.2 31.6 47.4
86 55.9 52.0 78.0

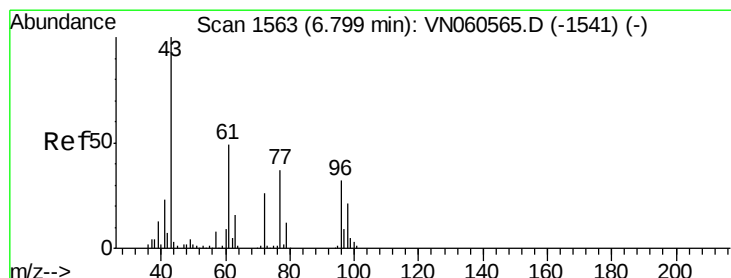
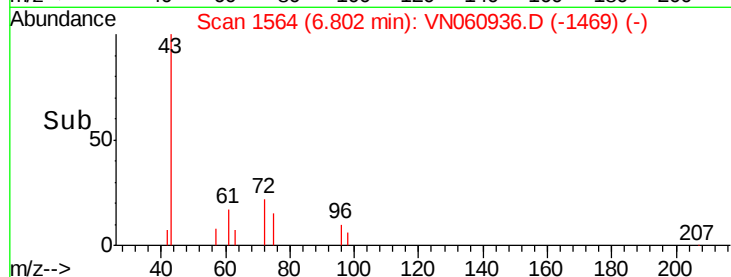
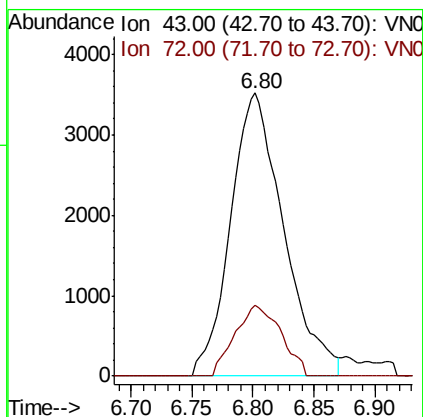
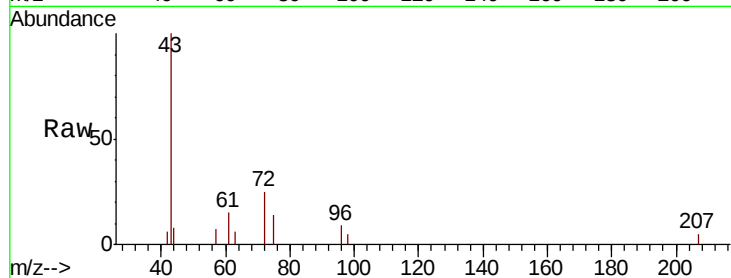




#25
 2-Butanone
 Concen: 8.944 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: VN060936.D
 Acq: 14 Apr 2020 16:15

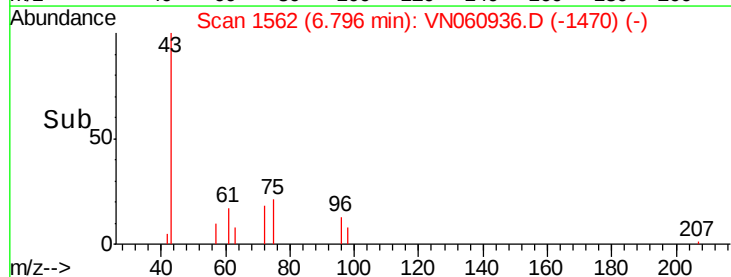
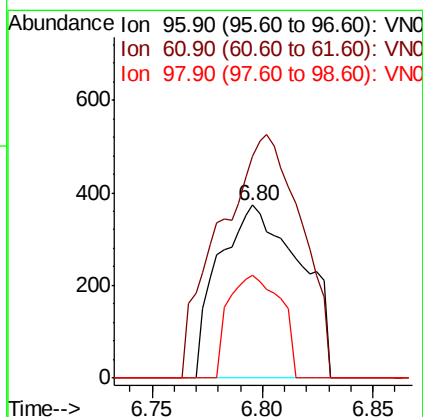
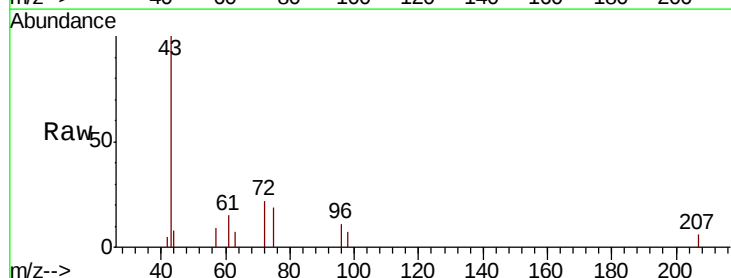
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-12-A

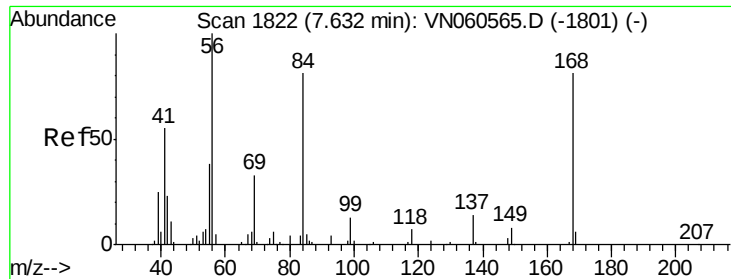
Tot Ion: 43 Resp: 10653
 Ion Ratio Lower Upper
 43 100
 72 25.0 20.4 30.6



#27
 cis-1,2-Dichloroethene
 Concen: 0.482 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060936.D
 Acq: 14 Apr 2020 16:15

Tgt Ion: 96 Resp: 956
 Ion Ratio Lower Upper
 96 100
 61 140.4 0.0 305.6
 98 37.8 0.0 127.6

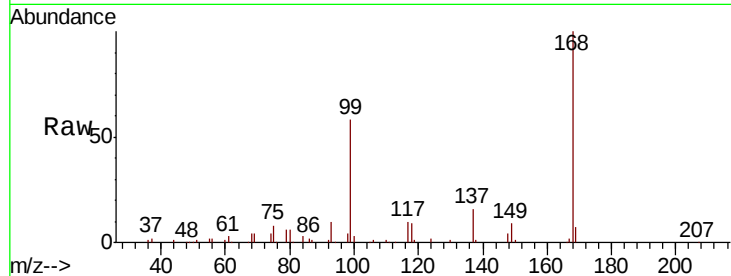




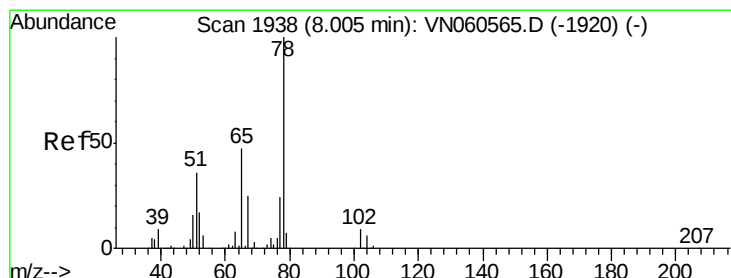
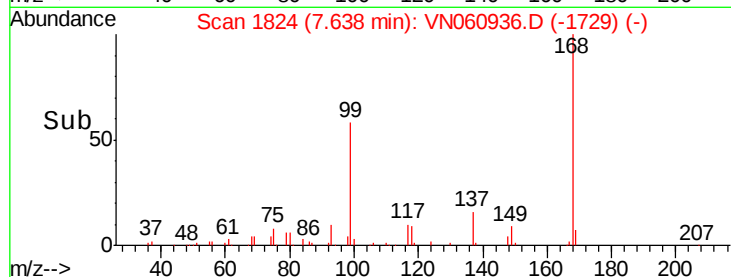
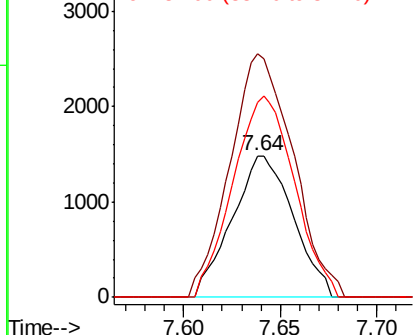
#31
Cyclohexane
Concen: 0.975 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060936.D
Acq: 14 Apr 2020 16:15

Instrument :
MSVOA_N
ClientSampled :
TP-12-A

Tot Ion: 56 Resp: 3262
Ion Ratio Lower Upper
56 100
69 172.3 26.6 40.0#
84 138.3 64.3 96.5#

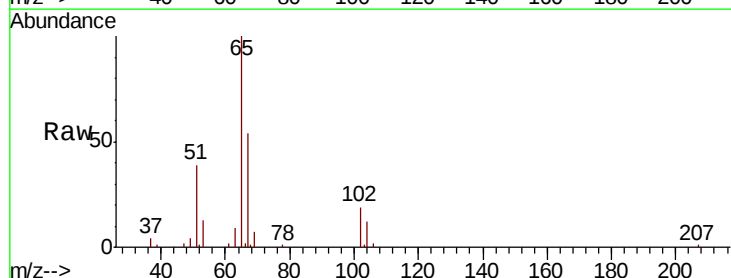


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

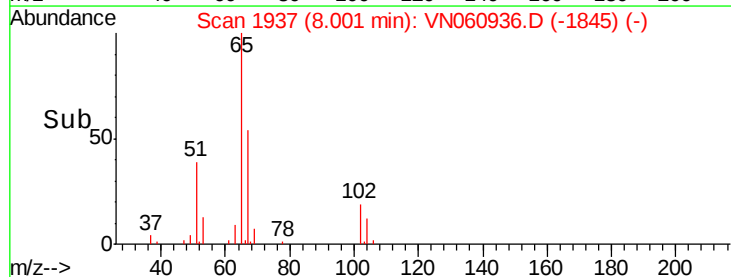
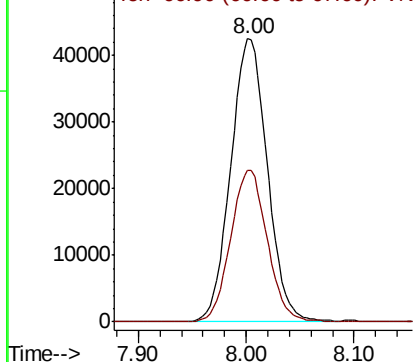


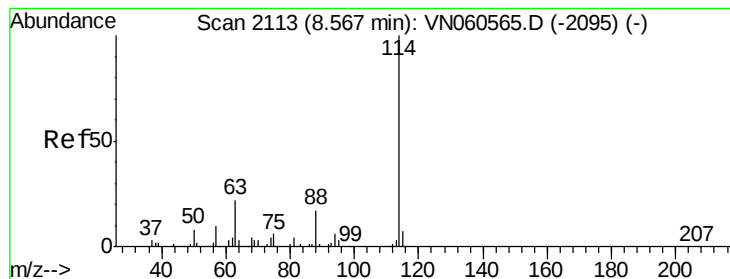
#33
1,2-Dichloroethane-d4
Concen: 48.359 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060936.D
Acq: 14 Apr 2020 16:15

Tgt Ion: 65 Resp: 100486
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.6



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: VN060936.D

Acq: 14 Apr 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

TP-12-A

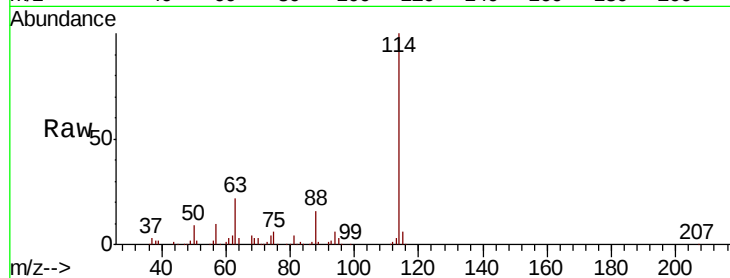
Tot Ion:114 Resp: 258572

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

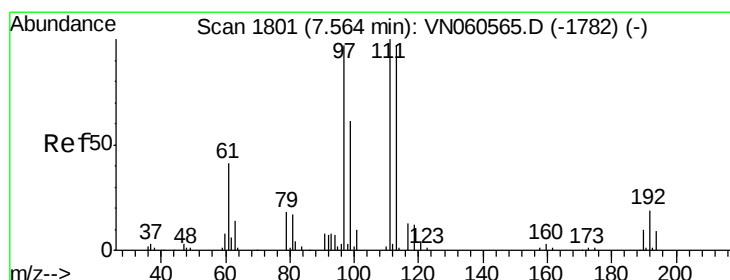
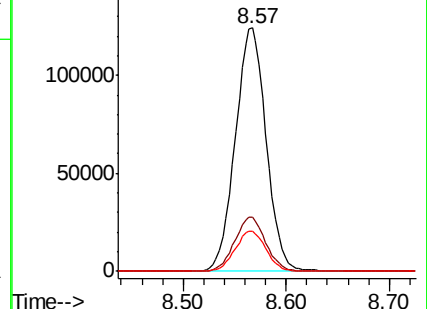
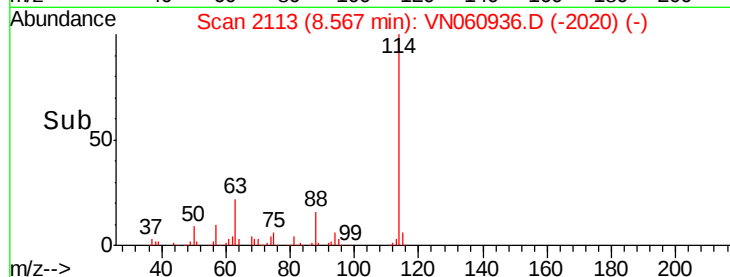
88 16.4 0.0 33.0



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: 48.813 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060936.D

Acq: 14 Apr 2020 16:15

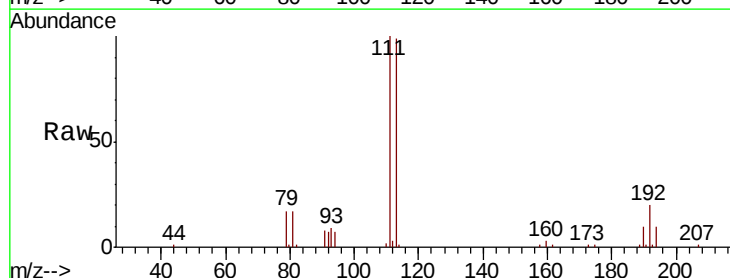
Tgt Ion:113 Resp: 76320

Ion Ratio Lower Upper

113 100

111 103.3 82.9 124.3

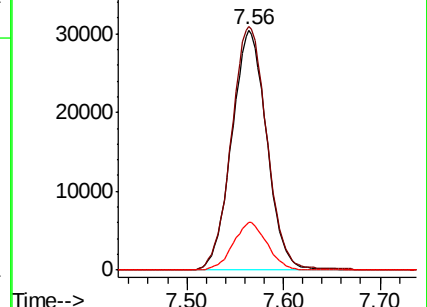
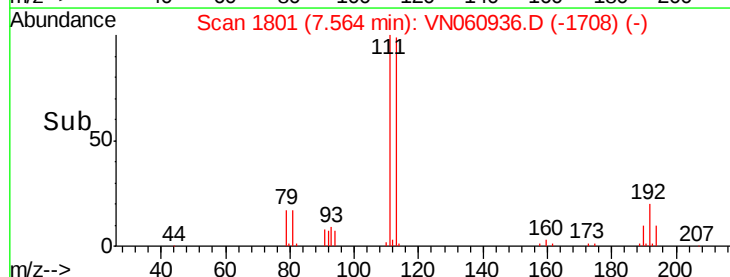
192 19.2 15.8 23.8

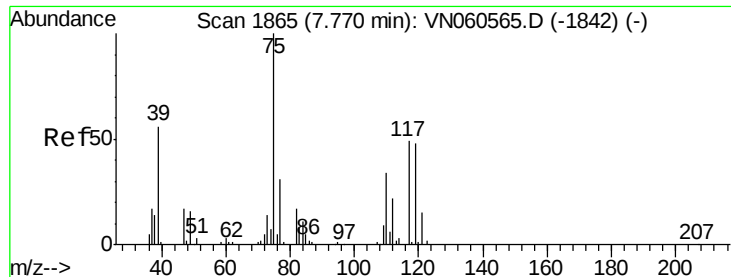


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

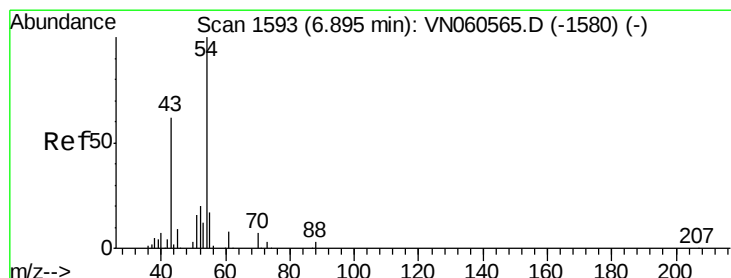
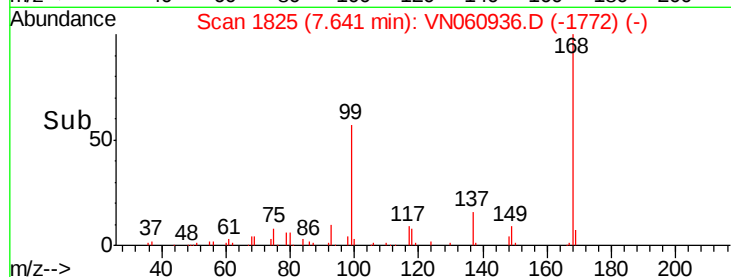
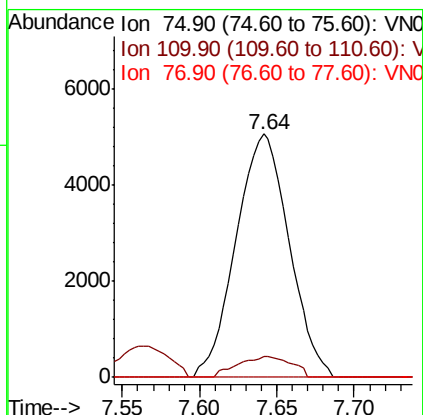
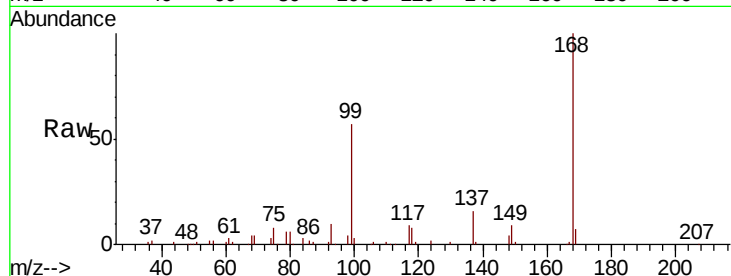




#36
 1,1-Dichloropropene
 Concen: 4.837 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060936.D
 Acq: 14 Apr 2020 16:15

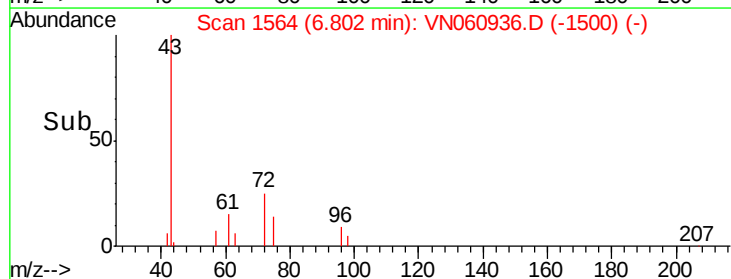
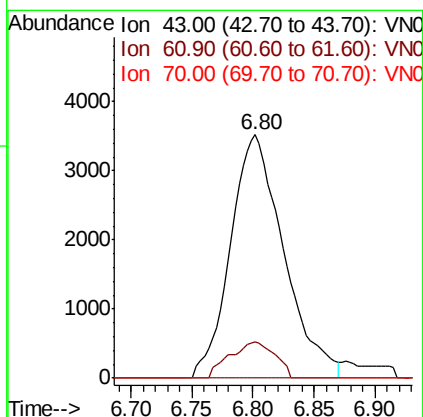
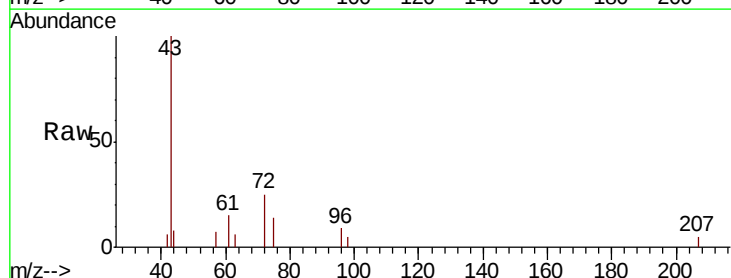
Instrument :
 MSVOA_N
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 TP-12-A

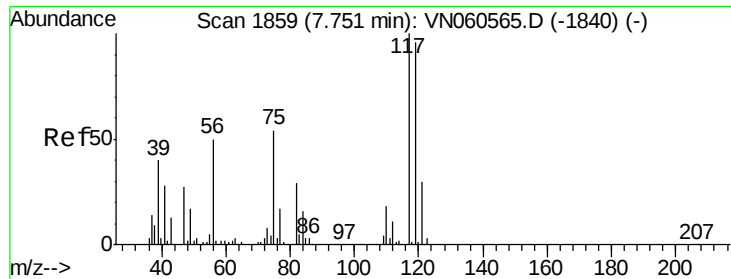
Tot Ion: 75 Resp: 12111
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.9 50.6#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 3.938 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.09 min
 Lab File: VN060936.D
 Acq: 14 Apr 2020 16:15

Tgt Ion: 43 Resp: 10653
 Ion Ratio Lower Upper
 43 100
 61 12.6 10.6 15.8
 70 0.0 7.9 11.9#





#38

Carbon Tetrachloride

Concen: 6.610 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060936.D

Acq: 14 Apr 2020 16:15

Instrument :

MSVOA_N

ClientSampled :

TP-12-A

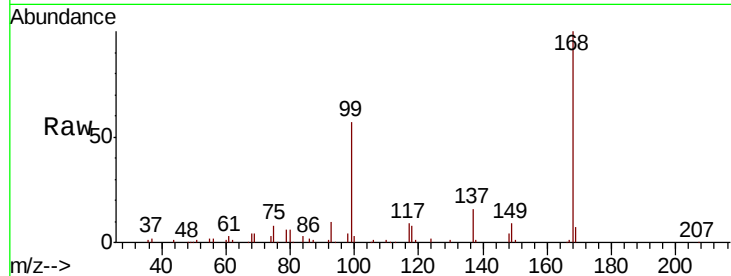
Tot Ion:117 Resp: 14834

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

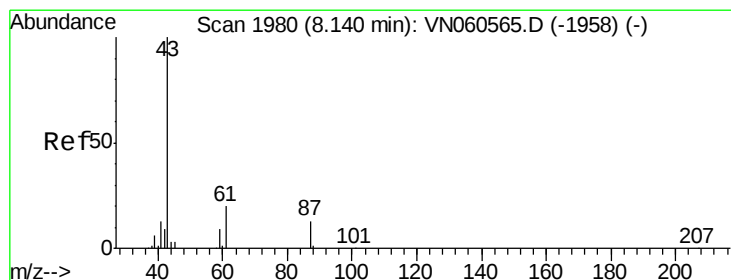
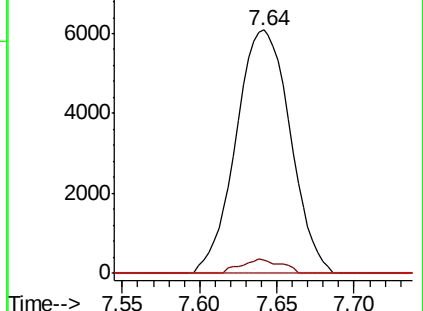
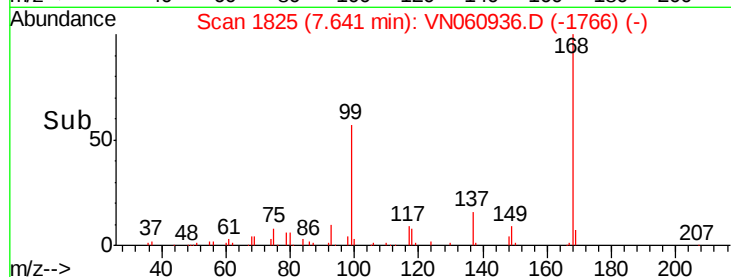
121 0.0 23.7 35.5#



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: 9.220 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060936.D

Acq: 14 Apr 2020 16:15

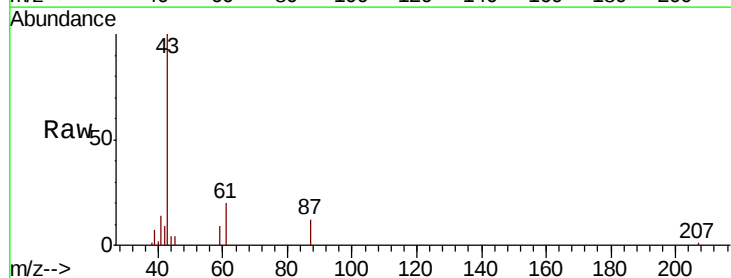
Tgt Ion: 43 Resp: 41138

Ion Ratio Lower Upper

43 100

61 19.5 20.7 31.1#

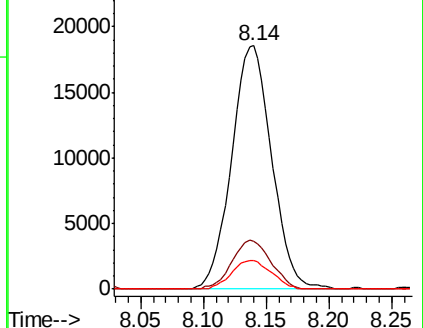
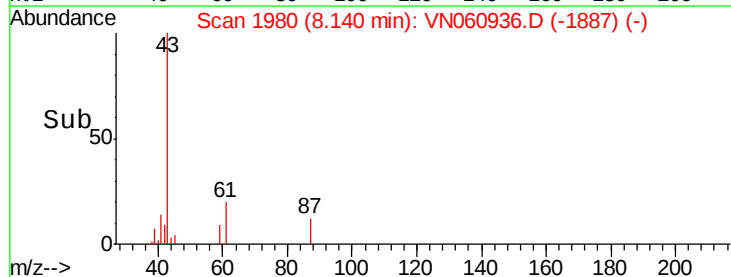
87 11.6 9.8 14.8

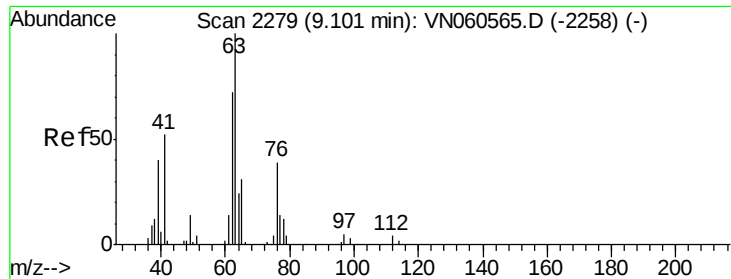


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

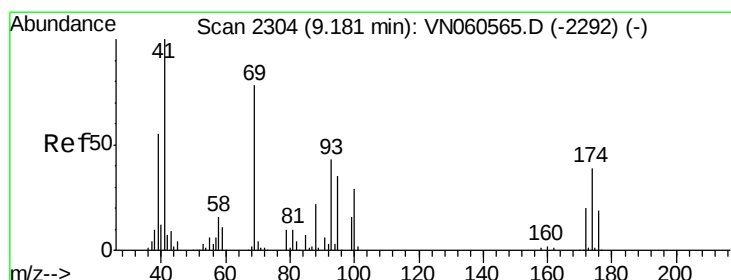
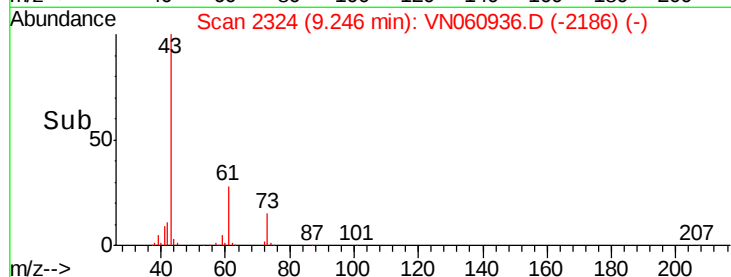
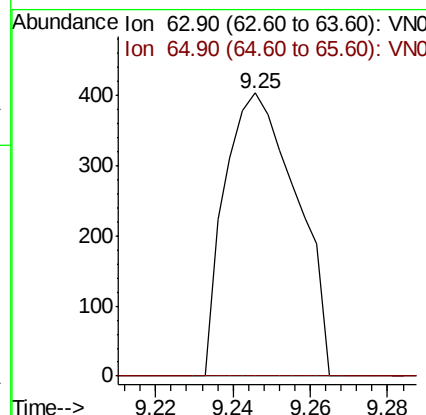
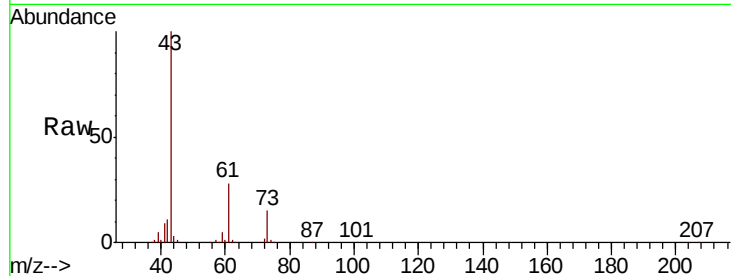




#45
 1,2-Dichloropropane
 Concen: 0.261 ug/l
 RT: 9.25 min Scan# 2324
 Delta R.T. 0.14 min
 Lab File: VN060936.D
 Acq: 14 Apr 2020 16:15

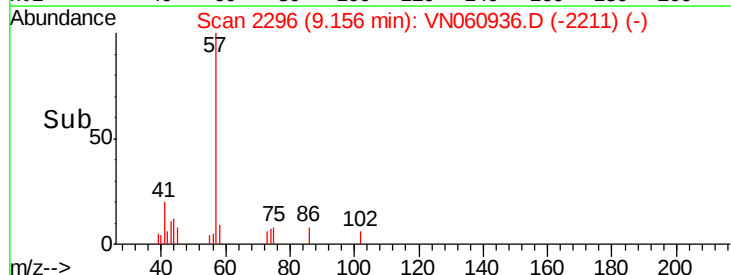
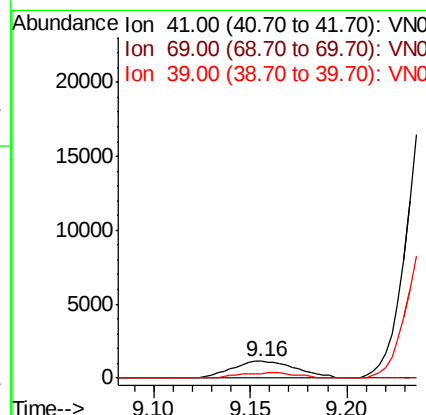
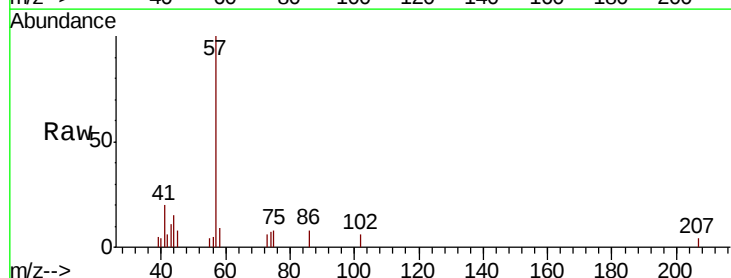
Instrument :
 MSVOA_N
 ClientSampled :
 TP-12-A

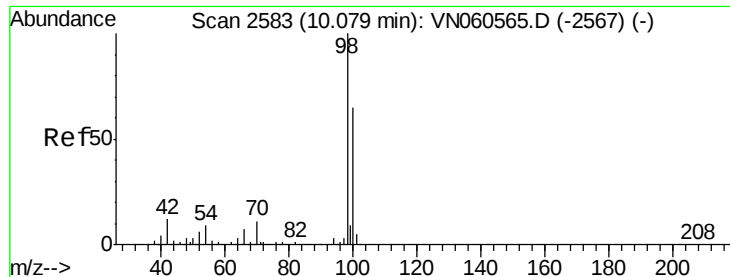
Tot Ion: 63 Resp: 520
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.338 ug/l
 RT: 9.16 min Scan# 2296
 Delta R.T. -0.03 min
 Lab File: VN060936.D
 Acq: 14 Apr 2020 16:15

Tgt Ion: 41 Resp: 2657
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 50.380 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060936.D

Acq: 14 Apr 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

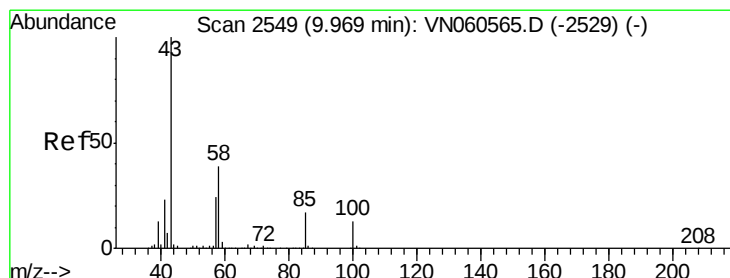
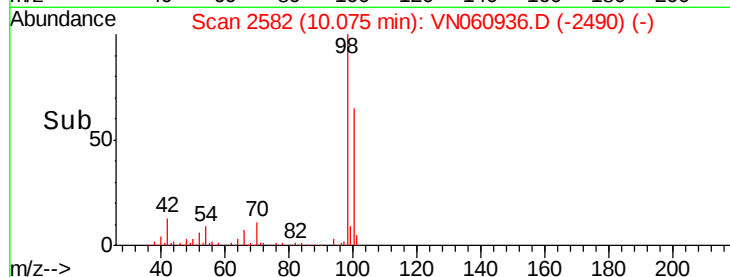
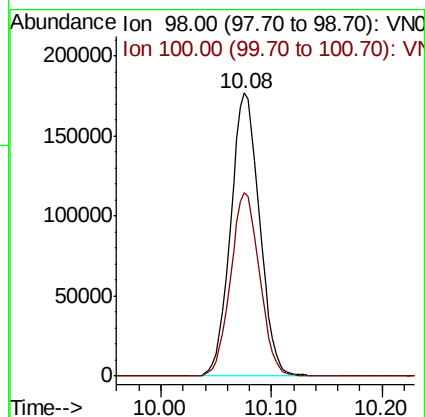
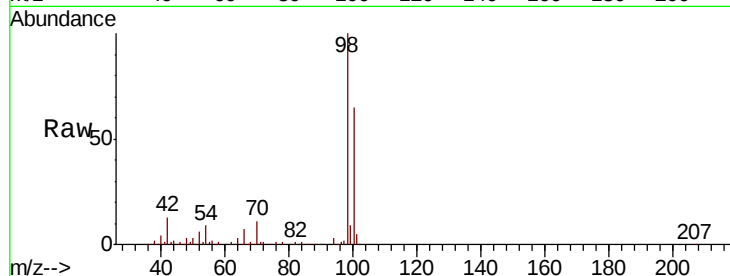
TP-12-A

Tot Ion: 98 Resp: 321740

Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.437 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060936.D

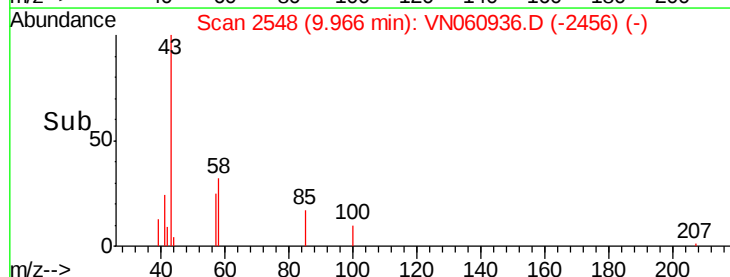
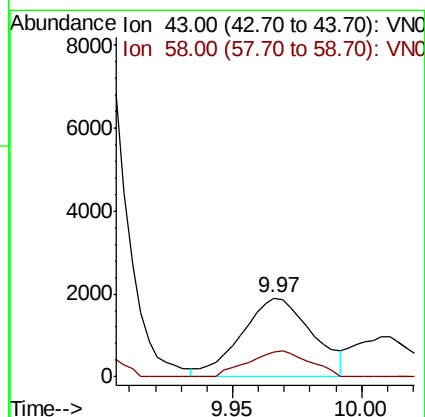
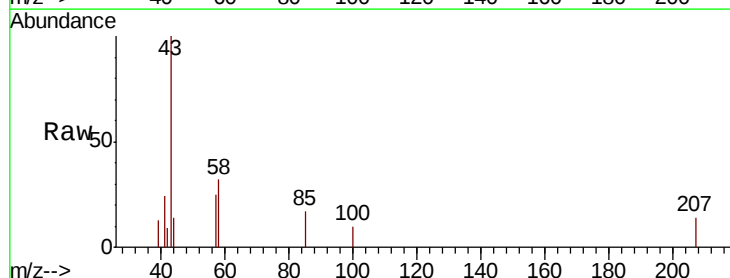
Acq: 14 Apr 2020 16:15

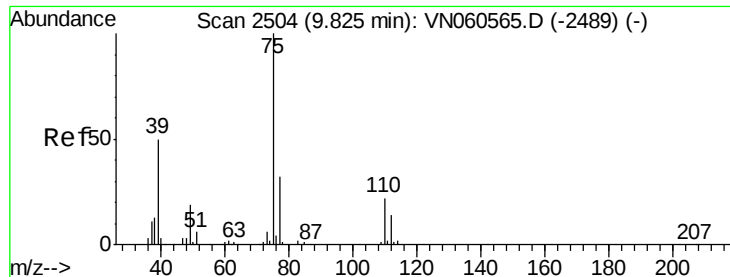
Tgt Ion: 43 Resp: 3649

Ion Ratio Lower Upper

43 100

58 28.8 30.8 46.2#





#54

cis-1,3-Dichloropropene

Concen: 4.875 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060936.D

Acq: 14 Apr 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

TP-12-A

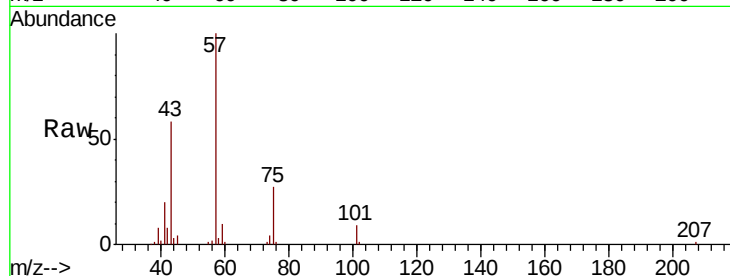
Tot Ion: 75 Resp: 15392

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

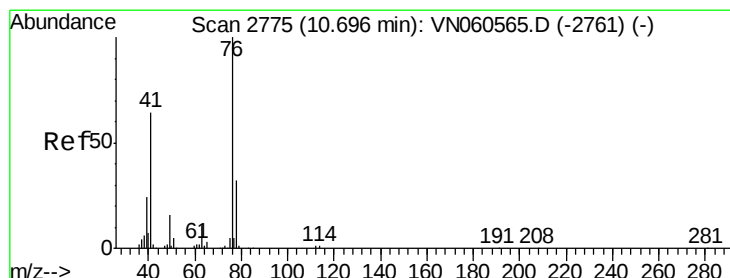
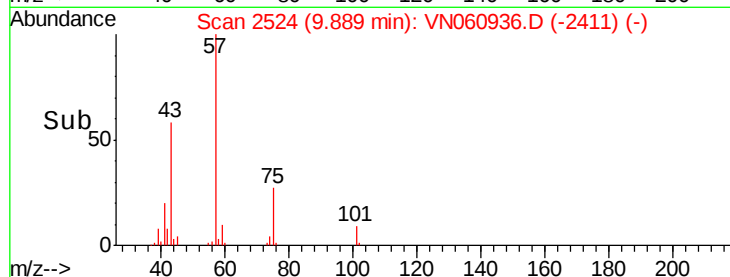
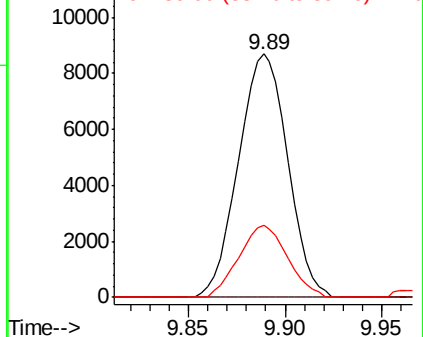
39 29.6 40.2 60.4#



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



#57

1,3-Dichloropropane

Concen: 0.577 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060936.D

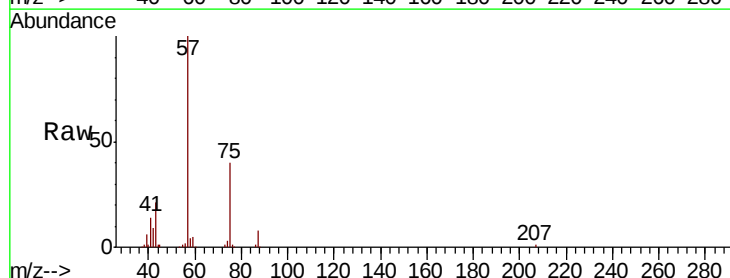
Acq: 14 Apr 2020 16:15

Tgt Ion: 76 Resp: 1758

Ion Ratio Lower Upper

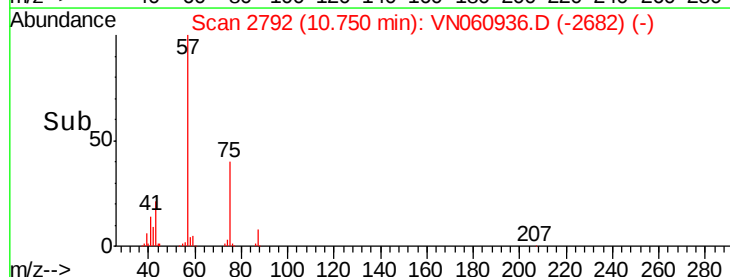
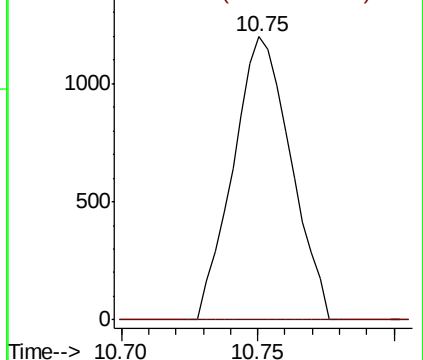
76 100

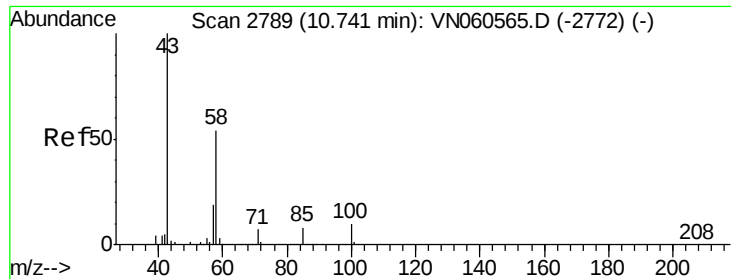
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

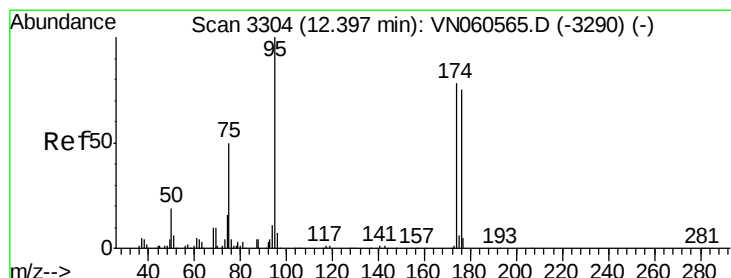
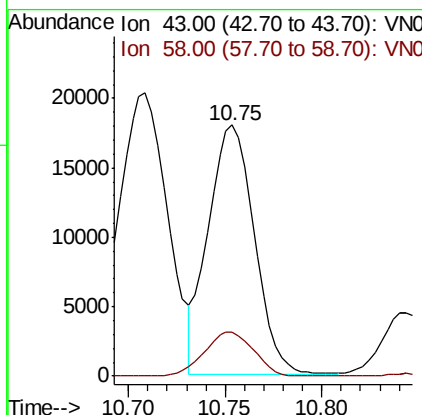
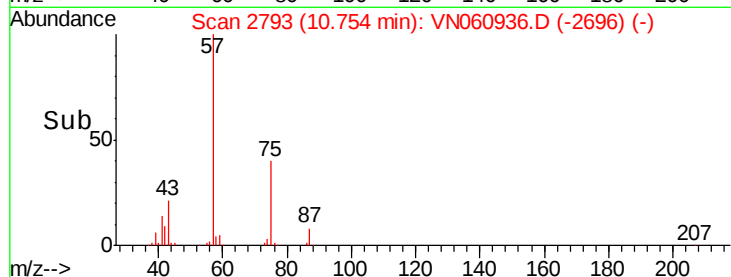
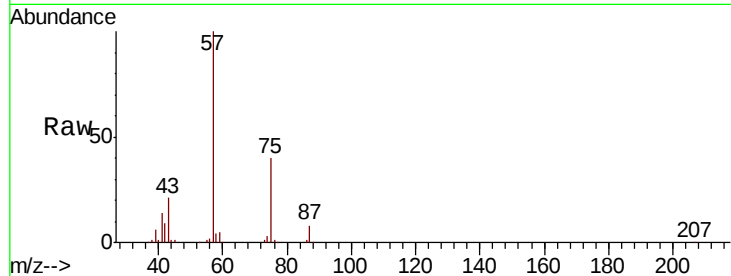




#59
2-Hexanone
Concen: 16.328 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060936.D
Acq: 14 Apr 2020 16:15

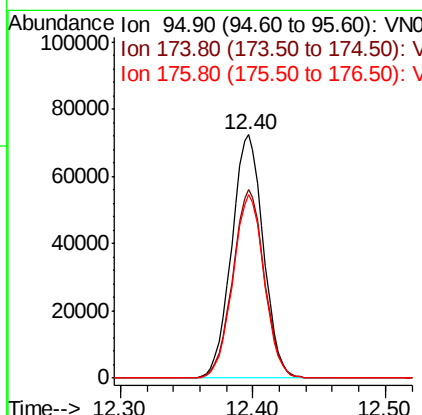
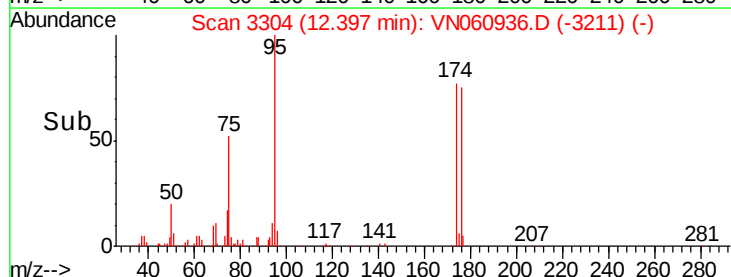
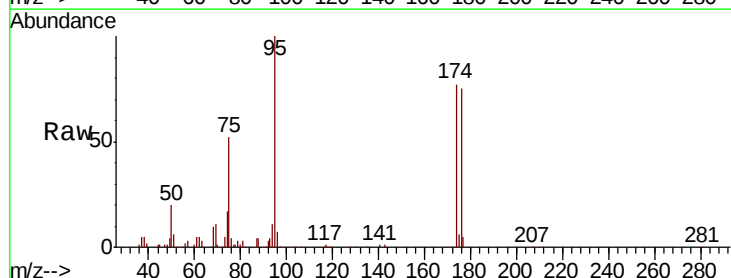
Instrument :
MSVOA_N
ClientSampled :
TP-12-A

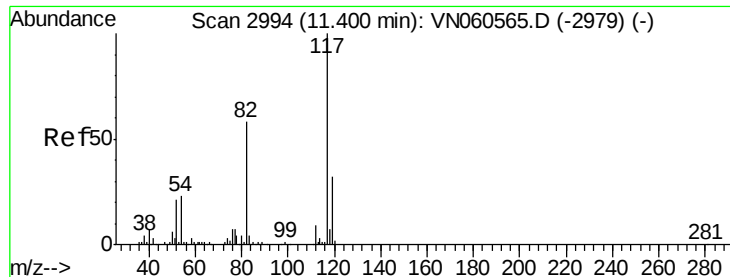
Tot Ion: 43 Resp: 29863
Ion Ratio Lower Upper
43 100
58 18.9 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.275 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060936.D
Acq: 14 Apr 2020 16:15

Tgt Ion: 95 Resp: 120009
Ion Ratio Lower Upper
95 100
174 77.1 0.0 157.6
176 74.4 0.0 150.6

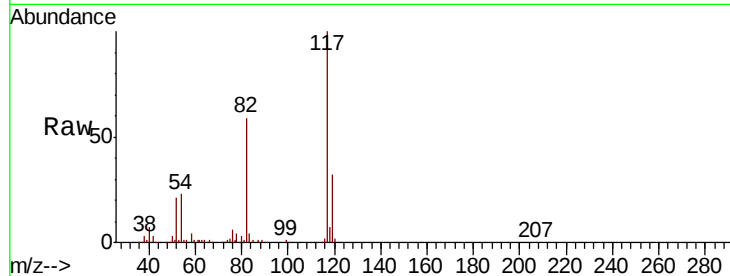




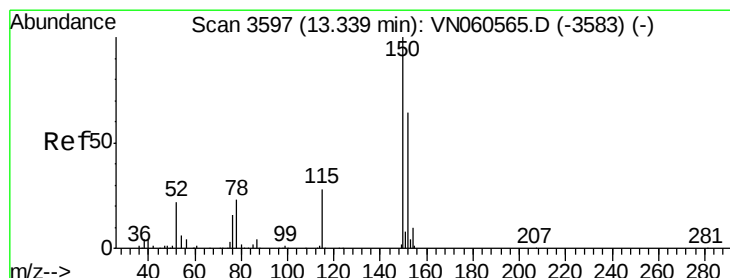
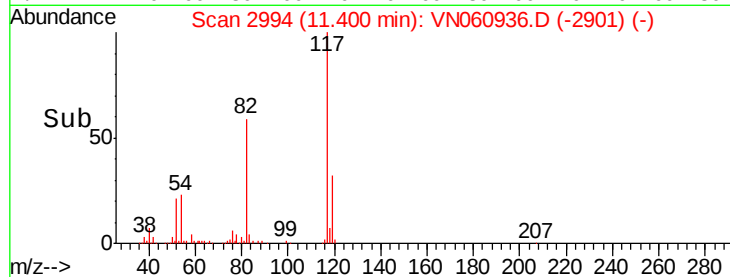
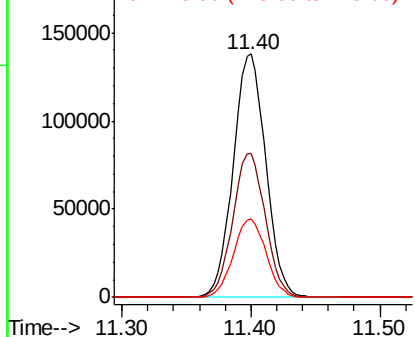
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060936.D
Acq: 14 Apr 2020 16:15

Instrument :
MSVOA_N
ClientSampled :
TP-12-A

Tot Ion:117 Resp: 241811
Ion Ratio Lower Upper
117 100
82 59.0 46.7 70.1
119 32.2 25.5 38.3

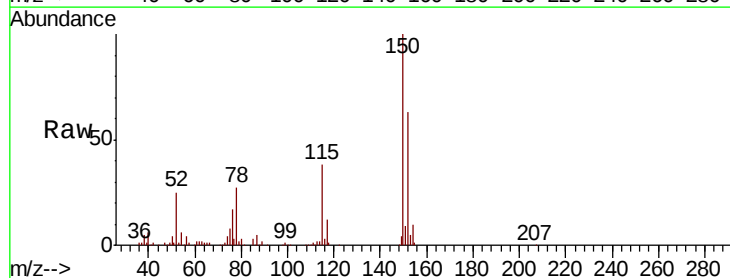


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

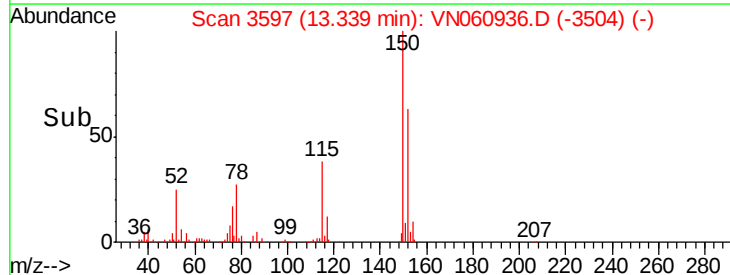
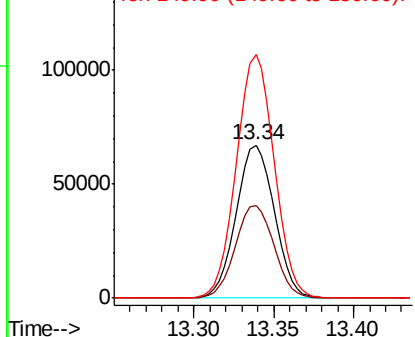


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060936.D
Acq: 14 Apr 2020 16:15

Tgt Ion:152 Resp: 109208
Ion Ratio Lower Upper
152 100
115 61.1 30.2 90.6
150 157.7 0.0 350.2



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: 0.448 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060936.D

Acq: 14 Apr 2020 16:15

Instrument :

MSVOA_N

ClientSampled :

TP-12-A

Tot Ion: 43 Resp: 1697

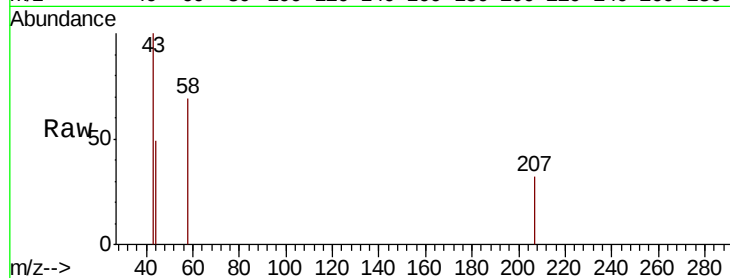
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

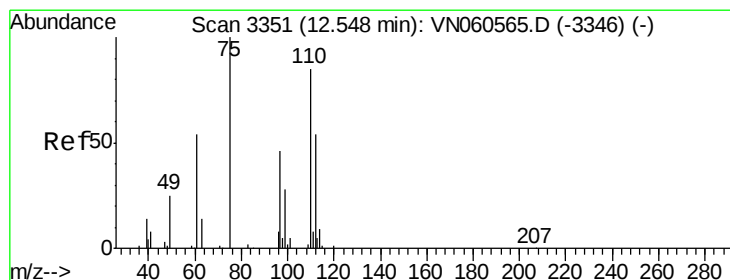
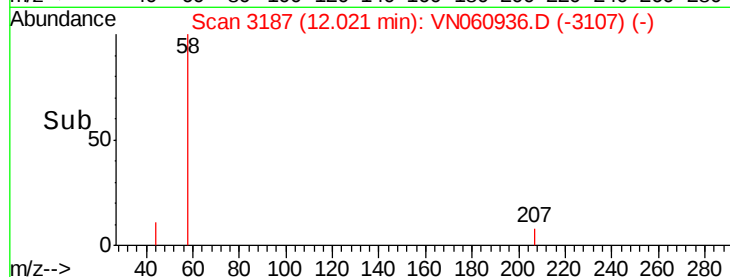
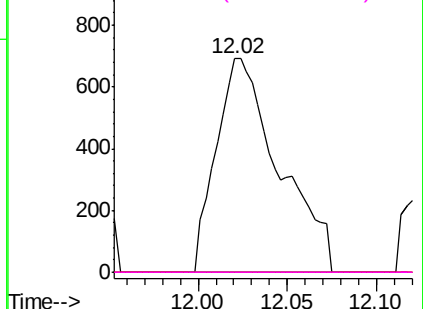


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 26.427 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060936.D

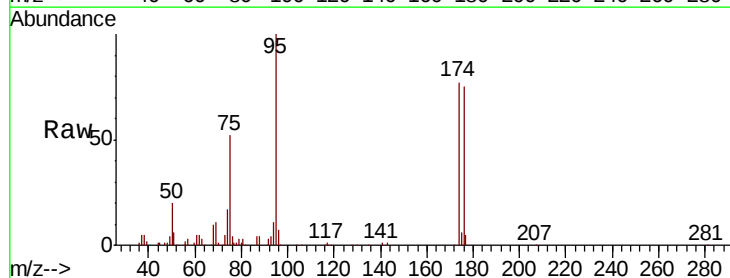
Acq: 14 Apr 2020 16:15

Tgt Ion: 75 Resp: 62275

Ion Ratio Lower Upper

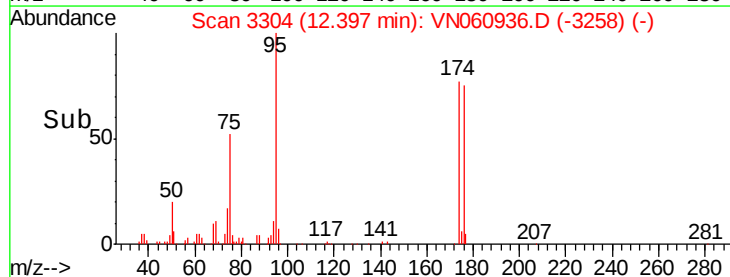
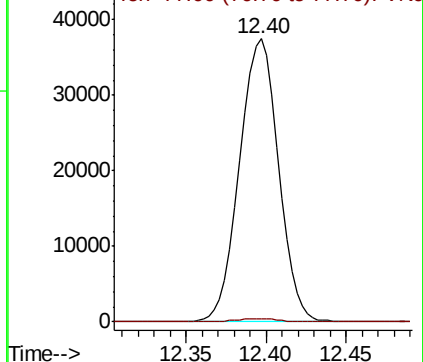
75 100

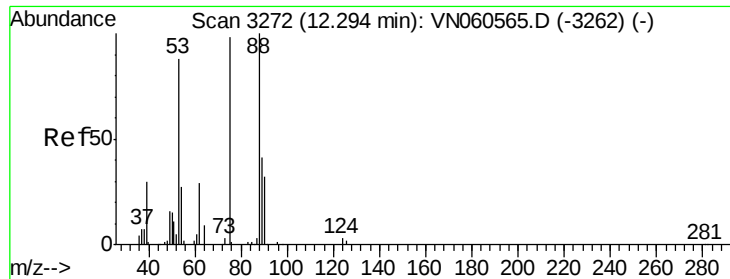
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

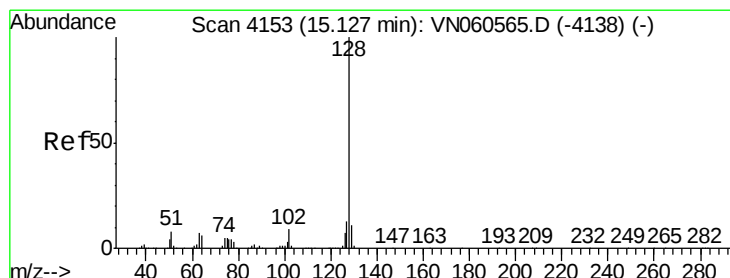
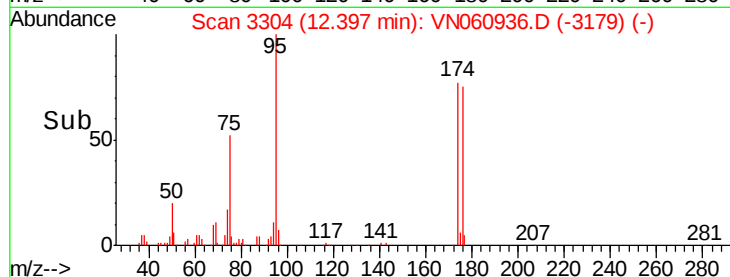
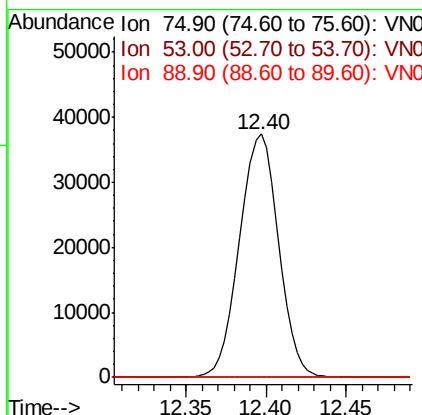
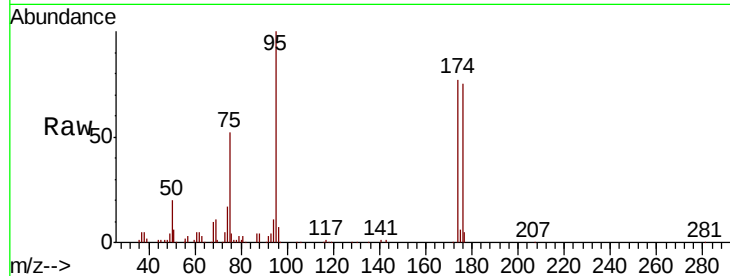




#81
trans-1,4-Dichloro-2-butene
Concen: 67.873 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060936.D
Acq: 14 Apr 2020 16:15

Instrument :
MSVOA_N
ClientSampled :
TP-12-A

Tot Ion: 75 Resp: 62275
Ion Ratio Lower Upper
75 100
53 0.0 73.0 109.4#
89 0.0 34.8 52.2#



#95
Naphthalene
Concen: 0.355 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060936.D
Acq: 14 Apr 2020 16:15

Tgt Ion: 128 Resp: 2185
Ion Ratio Lower Upper
128 100
127 7.6 10.2 15.2#
129 0.0 8.8 13.2#

