

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060972.D
 Acq On : 15 Apr 2020 19:16
 Operator : JC/MD
 Sample : L2255-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:37:19 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

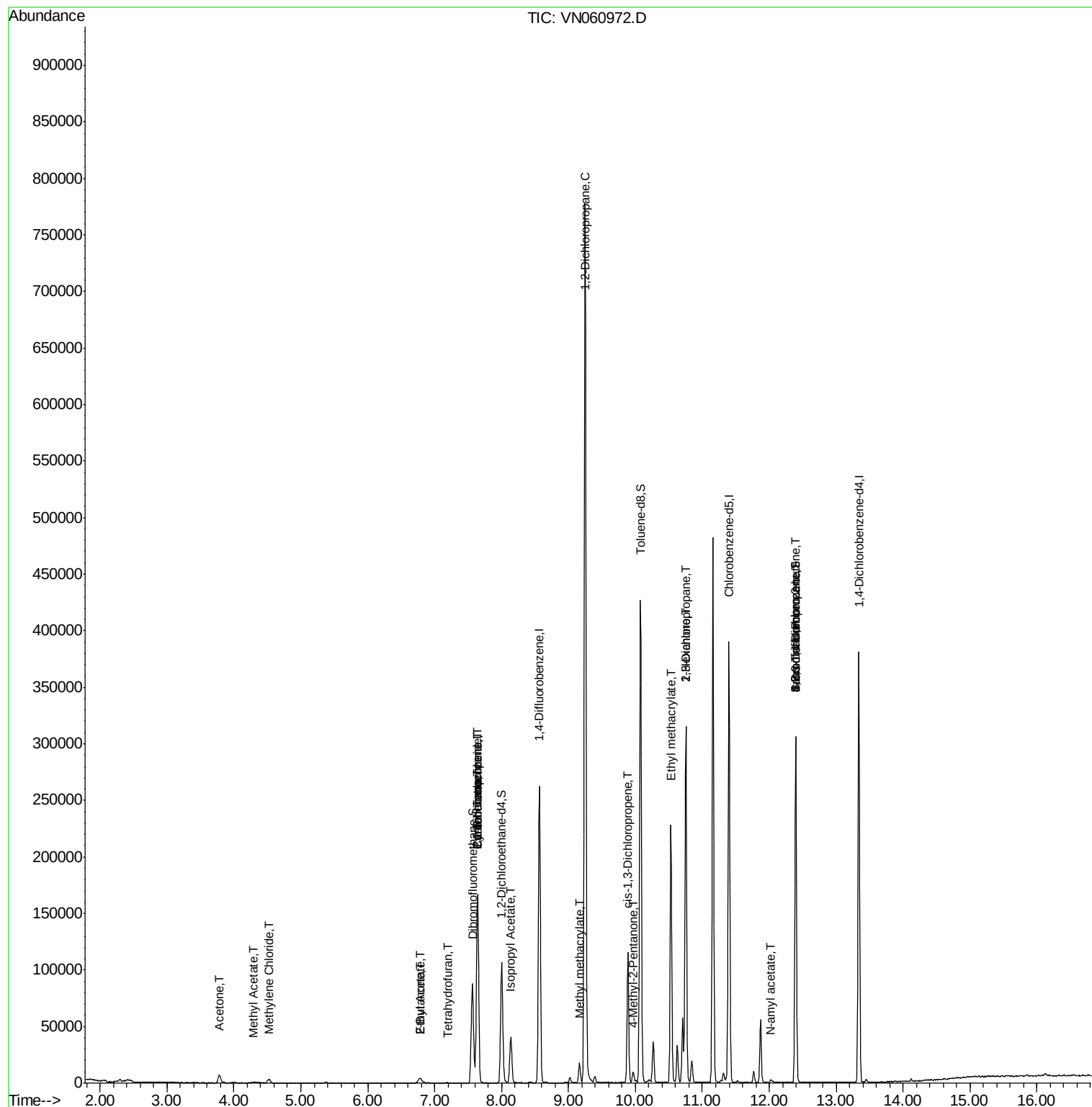
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	136617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	231340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	220671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	98538	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	90959	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	7.56	113	69179	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.08	98	288377	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	108978	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
Target Compounds				Qvalue		
16) Acetone	3.78	43	13135	19.772	ug/l	97
18) Methyl Acetate	4.29	43	1363	0.729	ug/l #	54
20) Methylene Chloride	4.52	84	2524	1.544	ug/l	96
25) 2-Butanone	6.80	43	4075	3.791	ug/l	96
29) Tetrahydrofuran	7.20	42	309	0.406	ug/l #	35
31) Cyclohexane	7.64	56	2919	0.966	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11039	4.928	ug/l #	49
37) Ethyl Acetate	6.80	43	4075	1.684	ug/l #	70
38) Carbon Tetrachloride	7.64	117	13205	6.577	ug/l #	17
43) Isopropyl Acetate	8.14	43	49321	12.356	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	892	0.500	ug/l #	43
48) Methyl methacrylate	9.16	41	2391	1.345	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	7040	3.099	ug/l	94
54) cis-1,3-Dichloropropene	9.89	75	20421	7.229	ug/l #	61
56) Ethyl methacrylate	10.53	69	510	0.208	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	3091	1.134	ug/l #	42
59) 2-Hexanone	10.75	43	47879	29.261	ug/l #	52
71) Bromoform	12.39	173	578	2.105	ug/l #	1
74) N-amyl acetate	12.02	43	3115	0.912	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	55416	26.063	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	55416	66.937	ug/l #	13

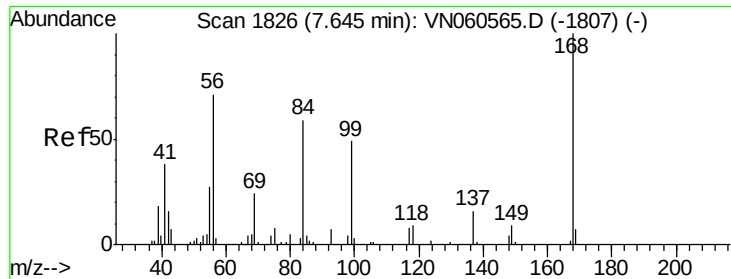
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN060972.D
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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060972.D

Acq: 15 Apr 2020 19:16

Instrument :

MSVOA_N

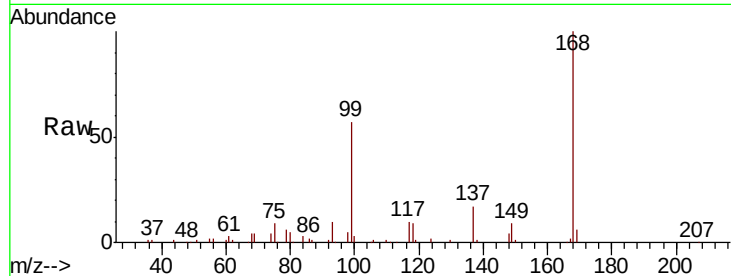
ClientSampleId :

Tot Ion:168 Resp: 136617

Ion Ratio Lower Upper

168 100

99 56.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

60000

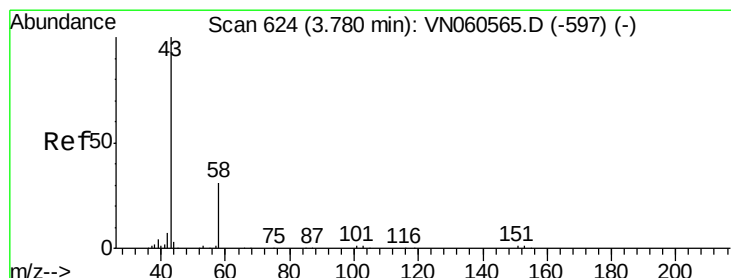
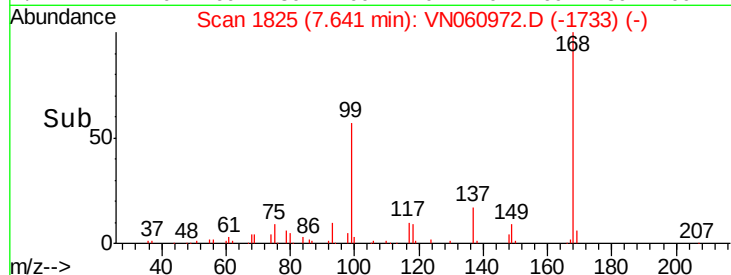
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 19.772 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060972.D

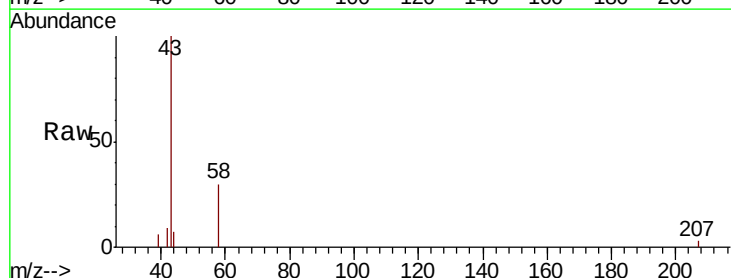
Acq: 15 Apr 2020 19:16

Tgt Ion: 43 Resp: 13135

Ion Ratio Lower Upper

43 100

58 29.7 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

5000

4000

3000

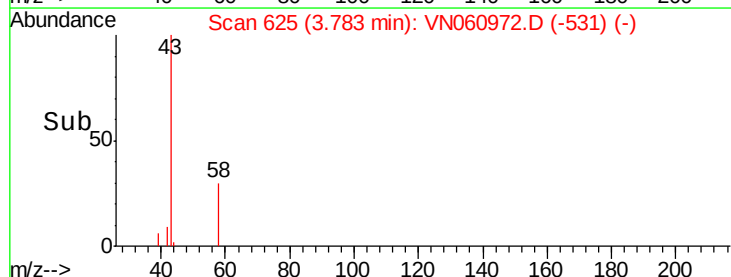
2000

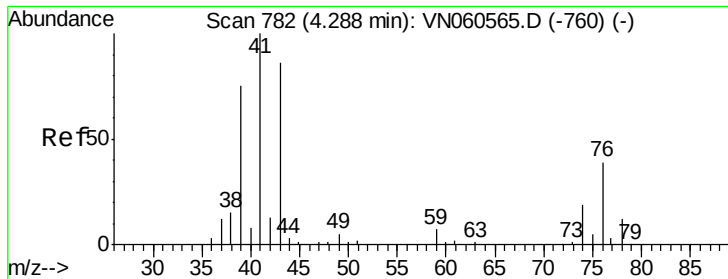
1000

0

3.70 3.80 3.90

Time-->

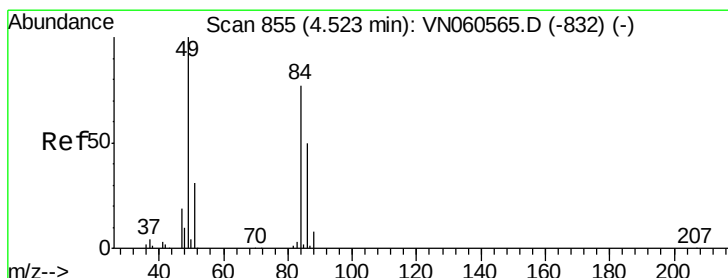
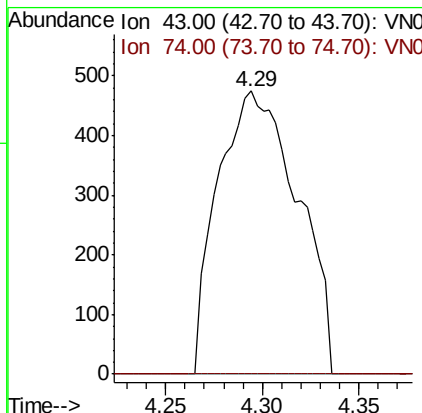
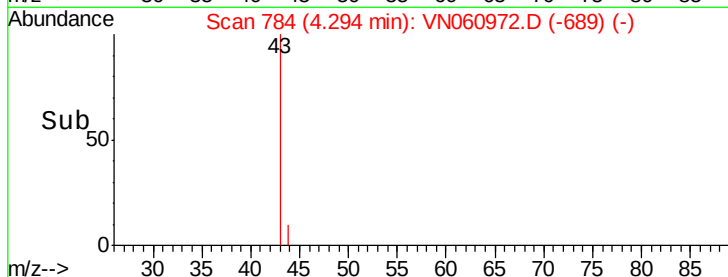
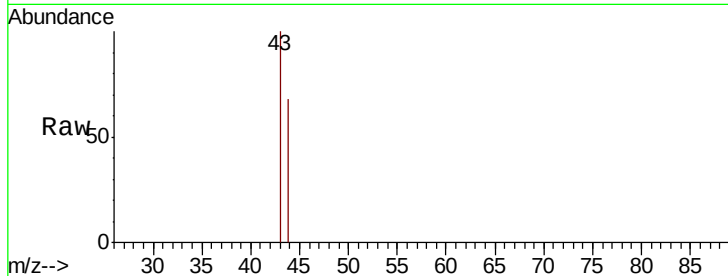




#18
Methyl Acetate
Concen: 0.729 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060972.D
Acq: 15 Apr 2020 19:16

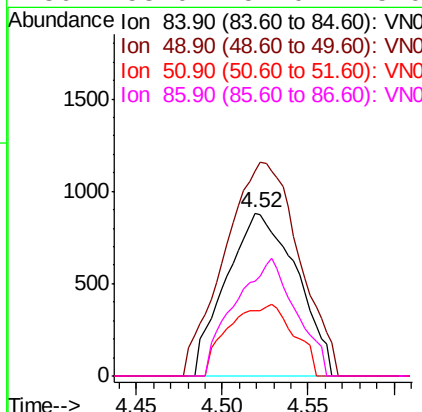
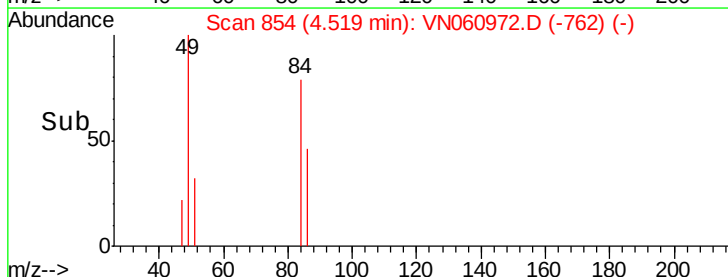
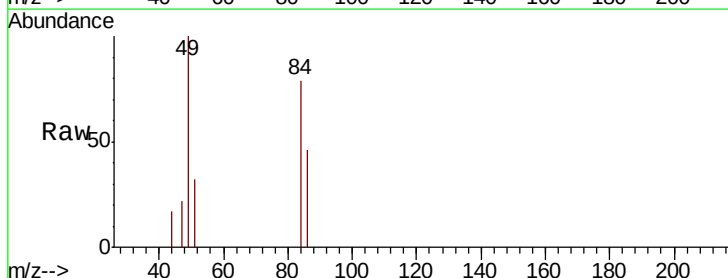
Instrument :
MSVOA_N
ClientSampled :

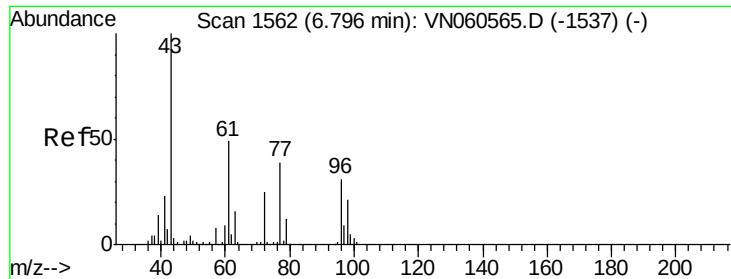
Tot Ion: 43 Resp: 1363
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.544 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060972.D
Acq: 15 Apr 2020 19:16

Tgt Ion: 84 Resp: 2524
Ion Ratio Lower Upper
84 100
49 126.1 103.3 154.9
51 39.8 31.6 47.4
86 58.0 52.0 78.0

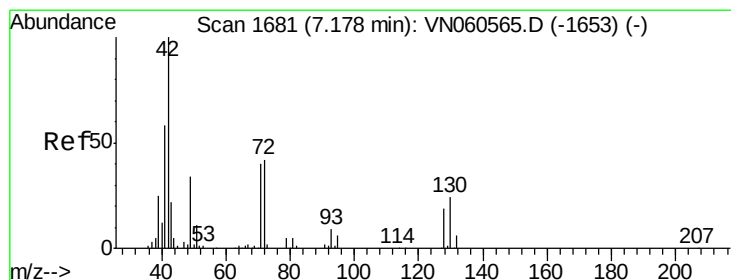
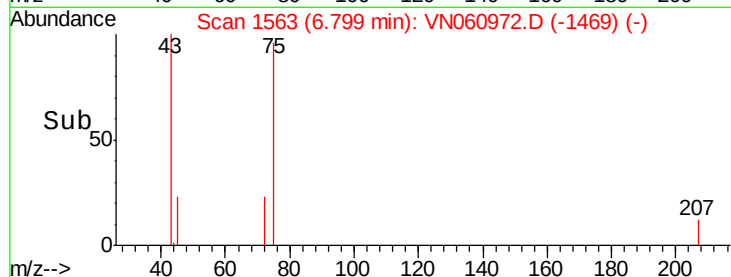
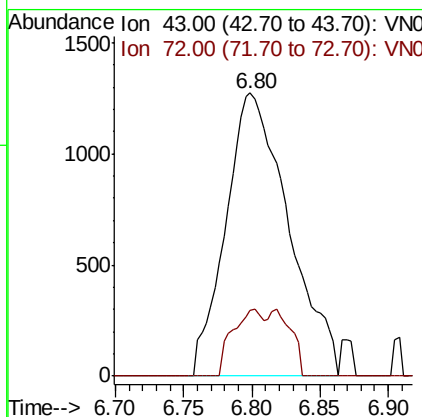
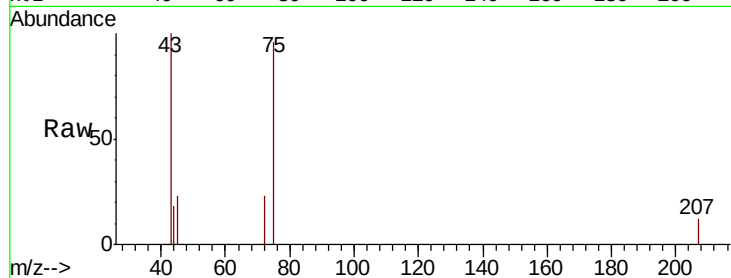




#25
2-Butanone
Concen: 3.791 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060972.D
Acq: 15 Apr 2020 19:16

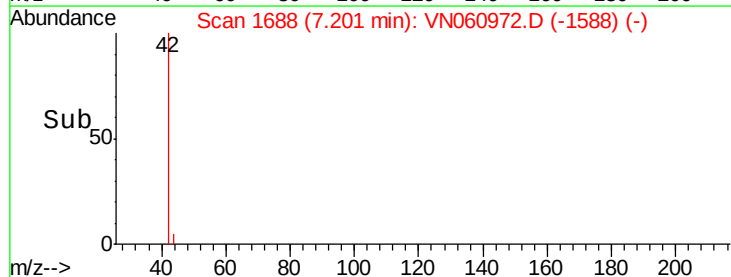
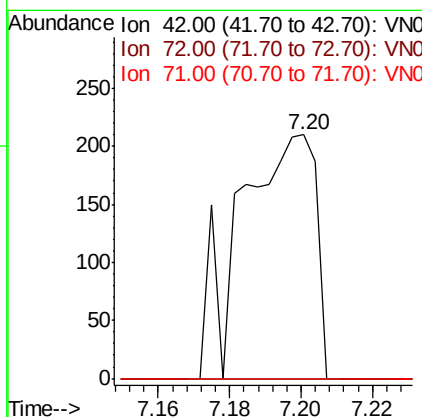
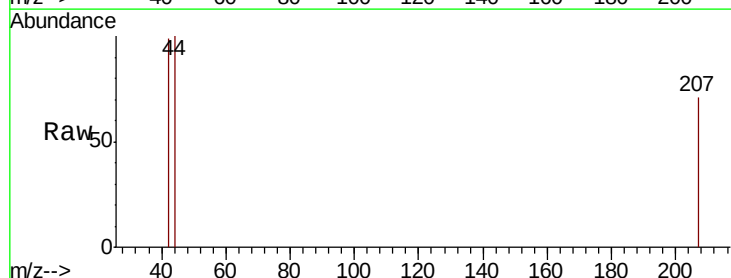
Instrument :
MSVOA_N
ClientSampled :

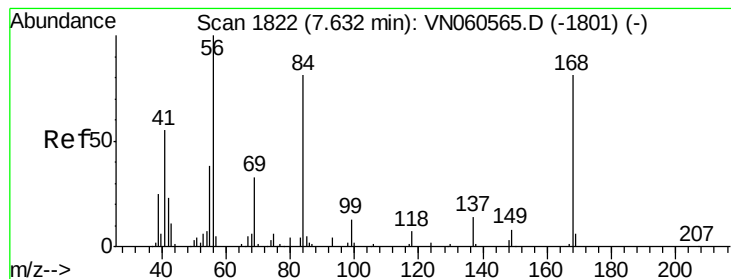
Tot Ion: 43 Resp: 4075
Ion Ratio Lower Upper
43 100
72 23.3 20.4 30.6



#29
Tetrahydrofuran
Concen: 0.406 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.02 min
Lab File: VN060972.D
Acq: 15 Apr 2020 19:16

Tgt Ion: 42 Resp: 309
Ion Ratio Lower Upper
42 100
72 0.0 33.2 49.8#
71 0.0 31.1 46.7#





#31

Cyclohexane

Concen: 0.966 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060972.D

Acq: 15 Apr 2020 19:16

Instrument :

MSVOA_N

ClientSampled :

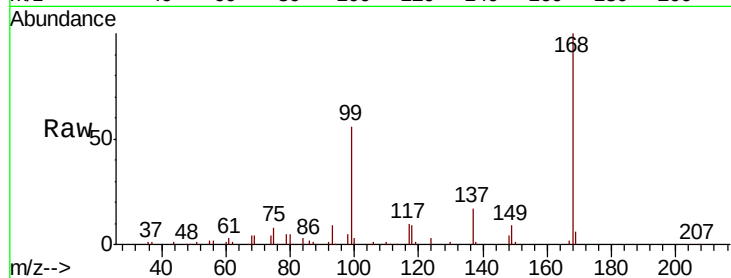
Tot Ion: 56 Resp: 2919

Ion Ratio Lower Upper

56 100

69 179.3 26.6 40.0#

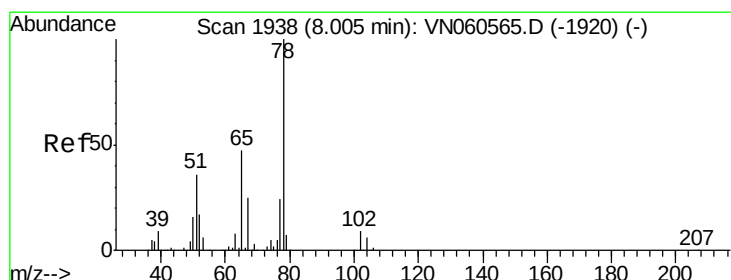
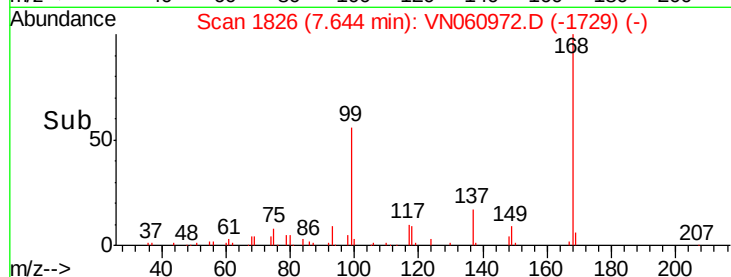
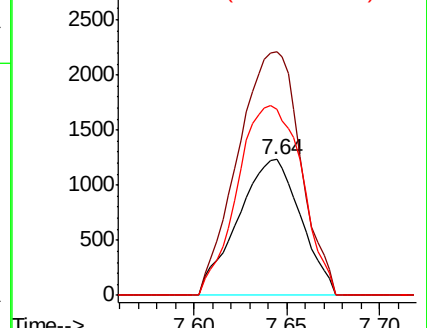
84 136.9 64.3 96.5#



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: 48.500 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060972.D

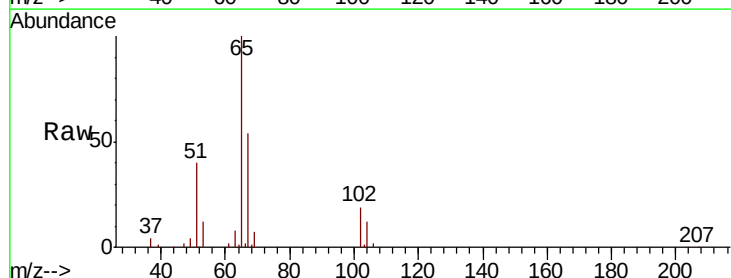
Acq: 15 Apr 2020 19:16

Tgt Ion: 65 Resp: 90959

Ion Ratio Lower Upper

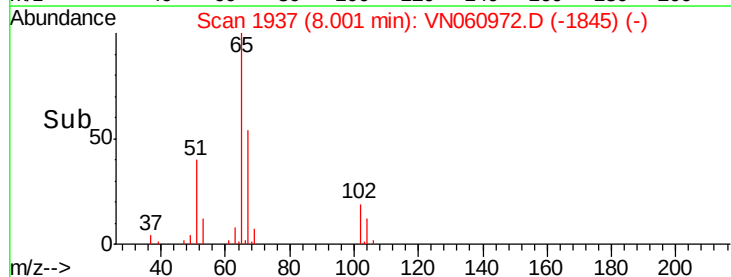
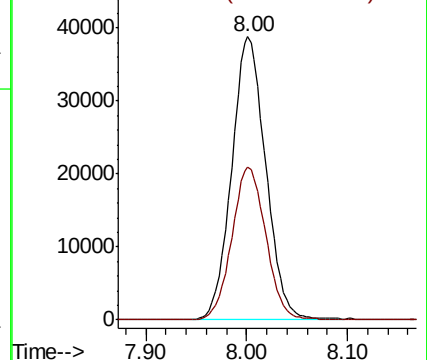
65 100

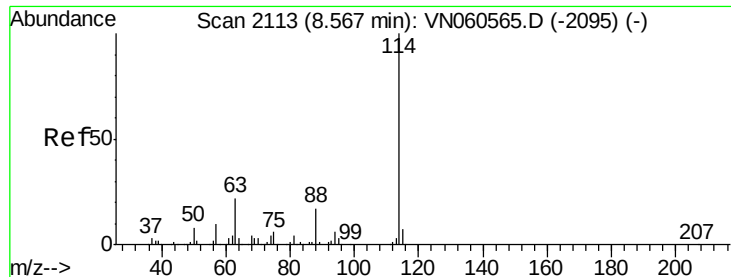
67 53.9 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

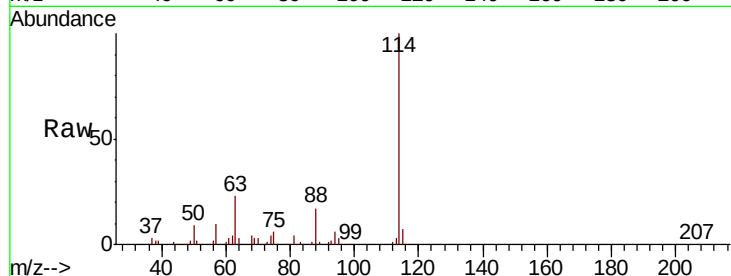




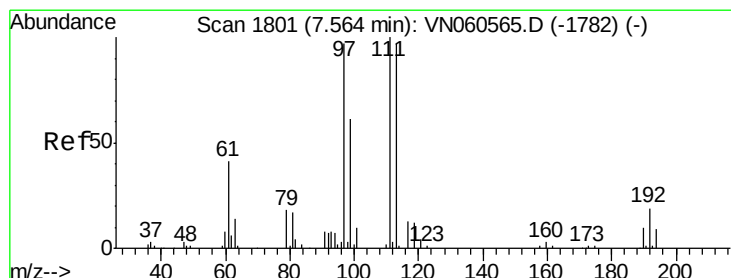
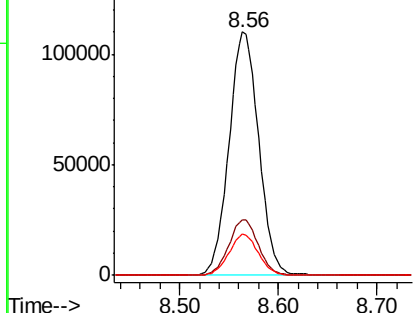
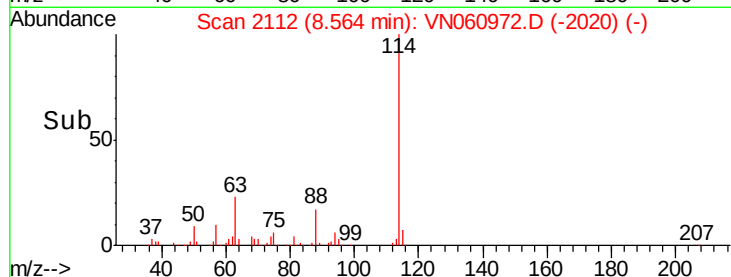
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060972.D
 Acq: 15 Apr 2020 19:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114	Resp:	231340
Ion Ratio	Lower	Upper
114 100		
63 22.8	0.0	43.8
88 16.9	0.0	33.0

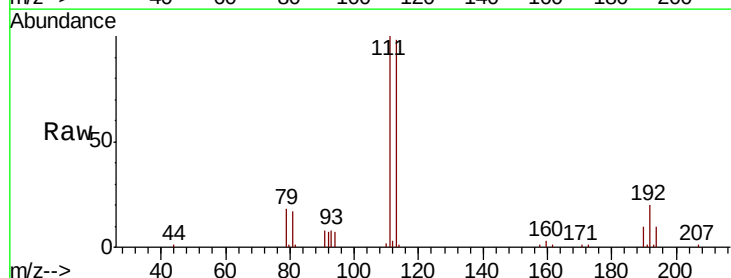


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

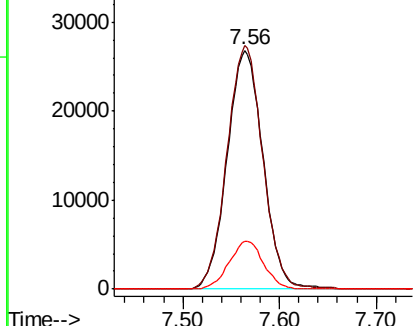
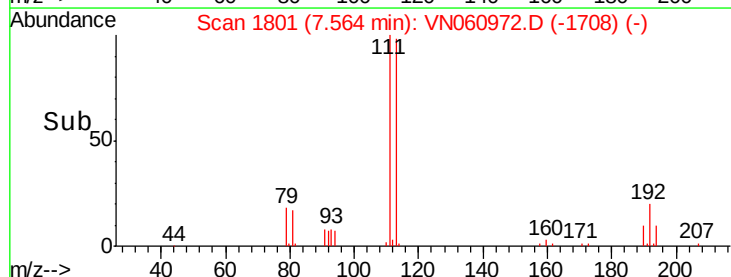


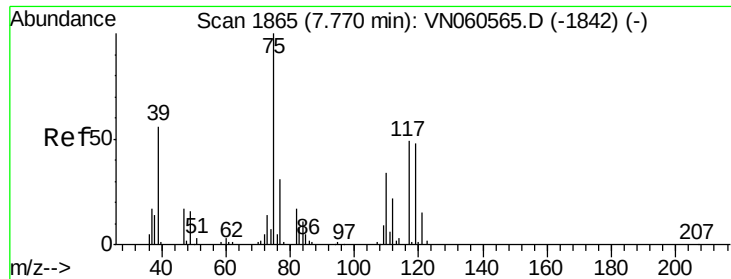
#35
 Dibromofluoromethane
 Concen: 49.455 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060972.D
 Acq: 15 Apr 2020 19:16

Tgt Ion:113	Resp:	69179
Ion Ratio	Lower	Upper
113 100		
111 101.1	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

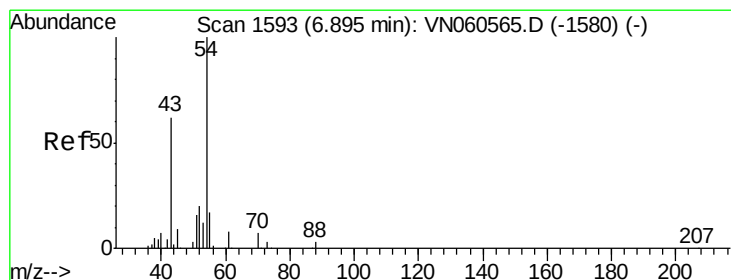
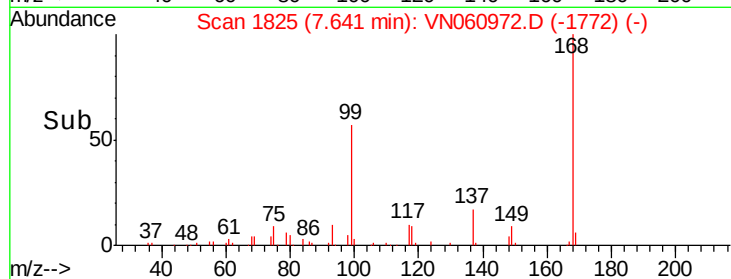
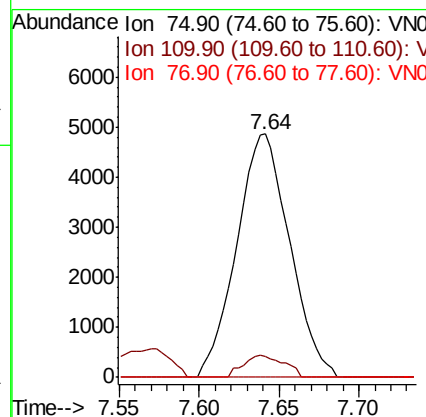
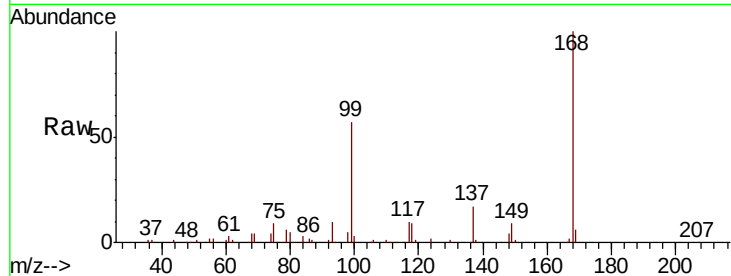




#36
 1,1-Dichloropropene
 Concen: 4.928 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060972.D
 Acq: 15 Apr 2020 19:16

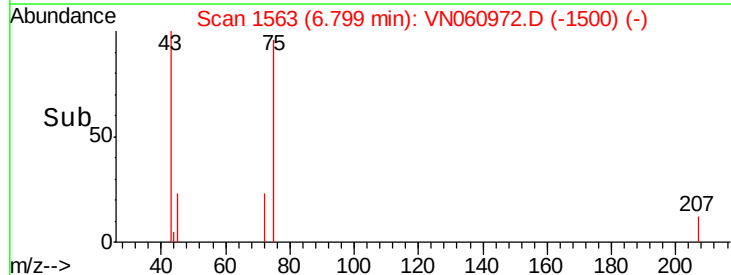
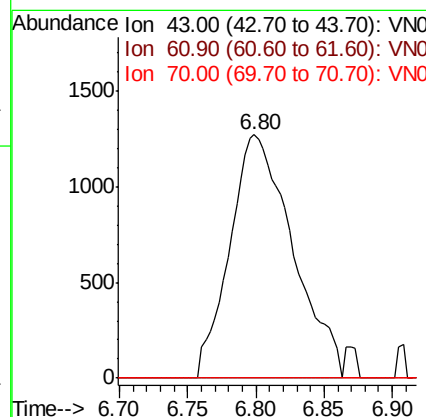
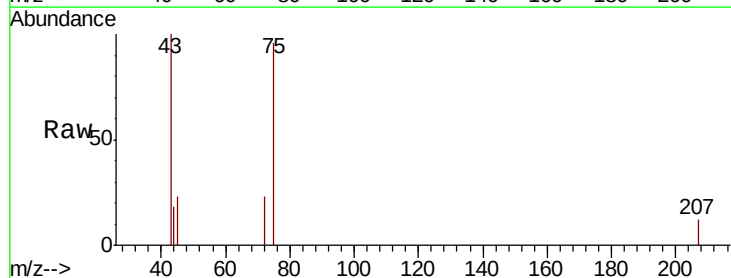
Instrument :
 MSVOA_N
 ClientSampled :

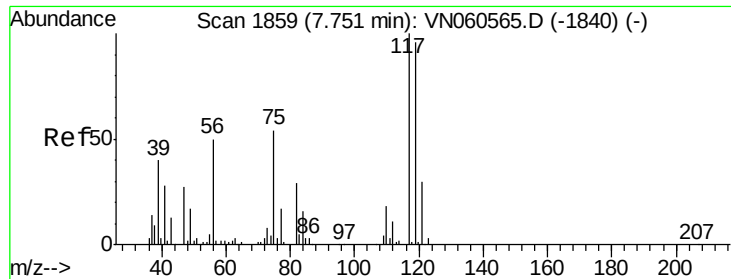
Tot Ion: 75 Resp: 11039
 Ion Ratio Lower Upper
 75 100
 110 6.9 16.9 50.6#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 1.684 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VN060972.D
 Acq: 15 Apr 2020 19:16

Tgt Ion: 43 Resp: 4075
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 15.8#
 70 0.0 7.9 11.9#





#38

Carbon Tetrachloride

Concen: 6.577 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060972.D

Acq: 15 Apr 2020 19:16

Instrument :

MSVOA_N

ClientSampled :

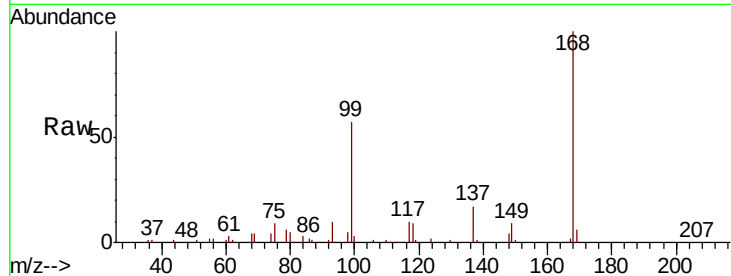
Tot Ion:117 Resp: 13205

Ion Ratio Lower Upper

117 100

119 6.3 76.2 114.2#

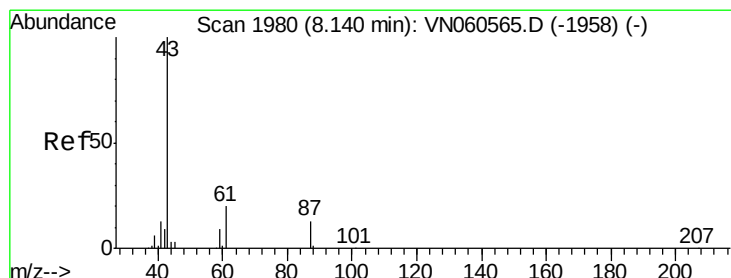
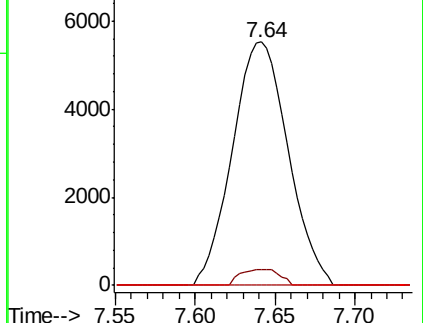
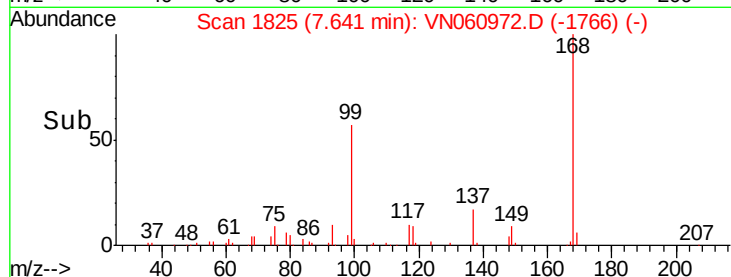
121 0.0 23.7 35.5#



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: 12.356 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060972.D

Acq: 15 Apr 2020 19:16

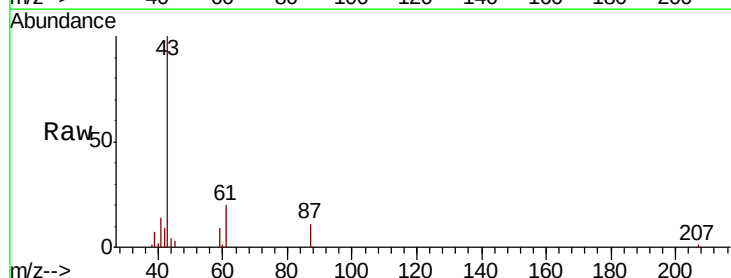
Tgt Ion: 43 Resp: 49321

Ion Ratio Lower Upper

43 100

61 19.1 20.7 31.1#

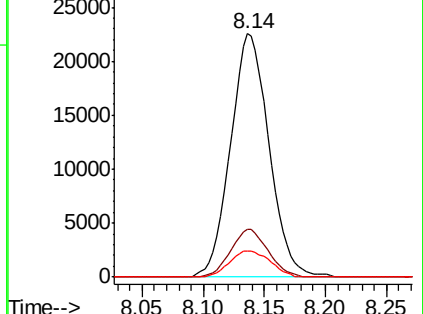
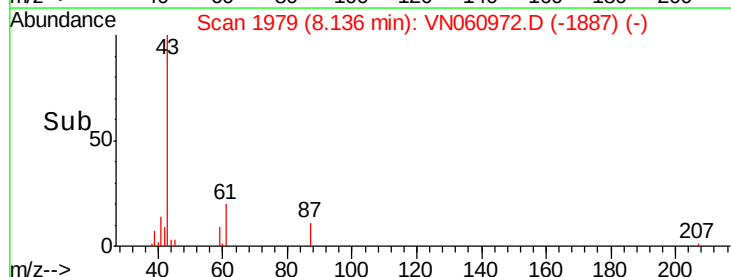
87 11.2 9.8 14.8

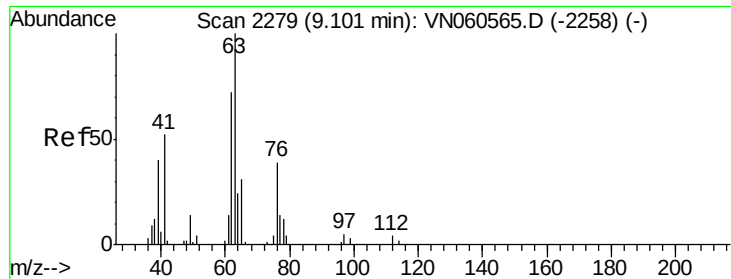


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

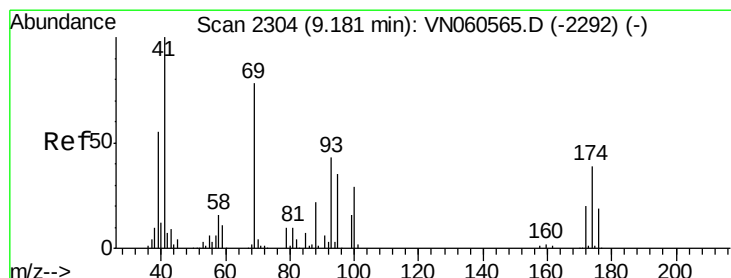
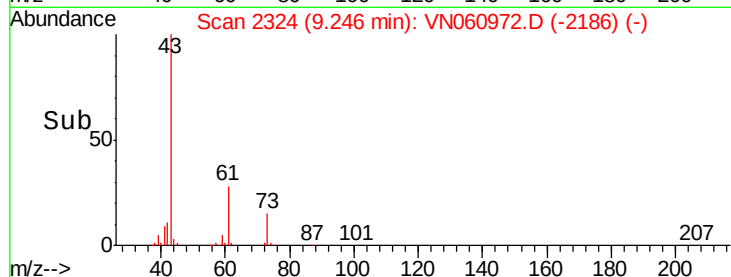
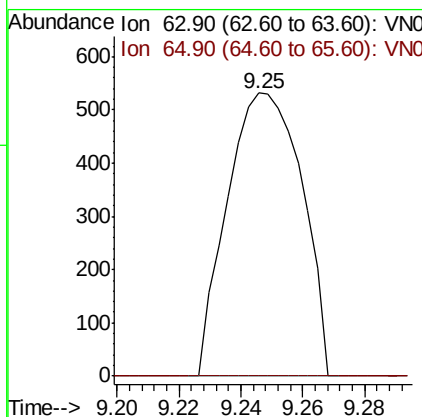
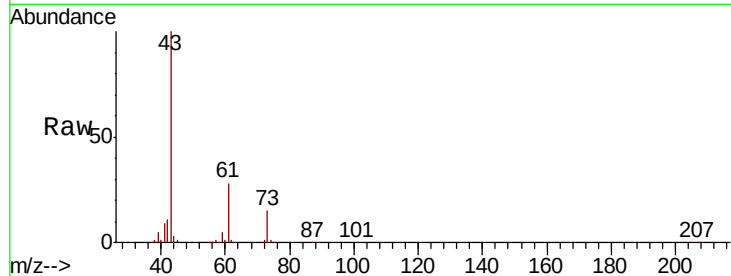




#45
 1,2-Dichloropropane
 Concen: 0.500 ug/l
 RT: 9.25 min Scan# 2324
 Delta R.T. 0.14 min
 Lab File: VN060972.D
 Acq: 15 Apr 2020 19:16

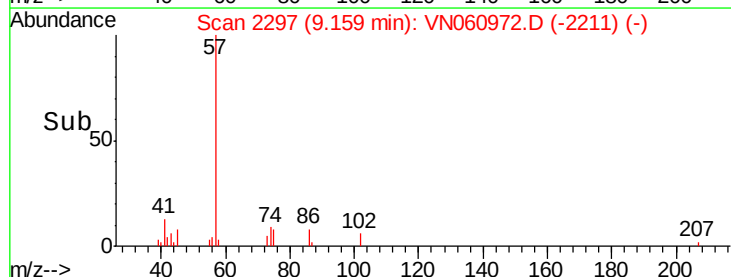
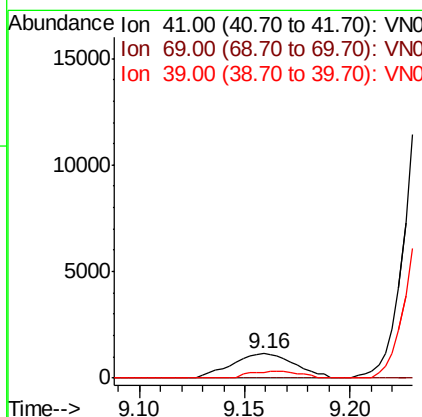
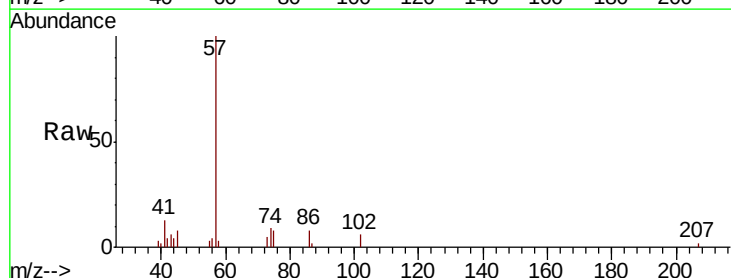
Instrument :
 MSVOA_N
 ClientSampleId :

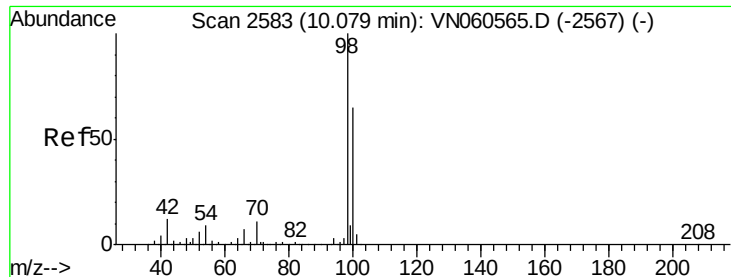
Tot Ion: 63 Resp: 892
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.345 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060972.D
 Acq: 15 Apr 2020 19:16

Tgt Ion: 41 Resp: 2391
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#

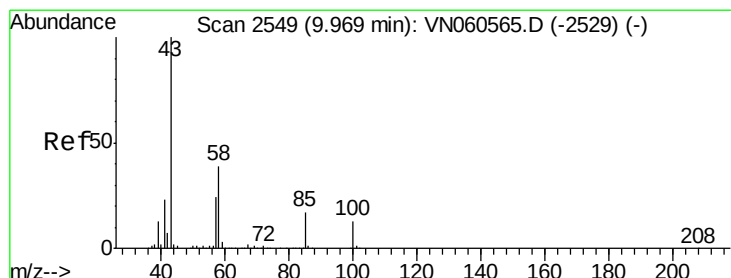
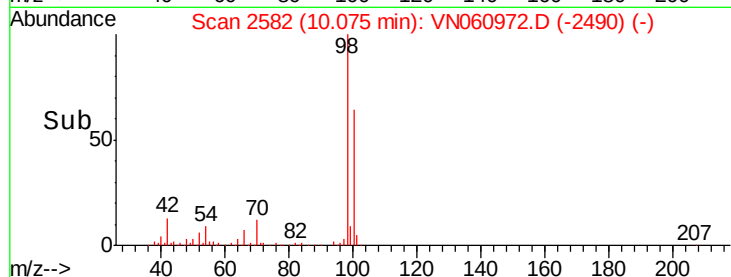
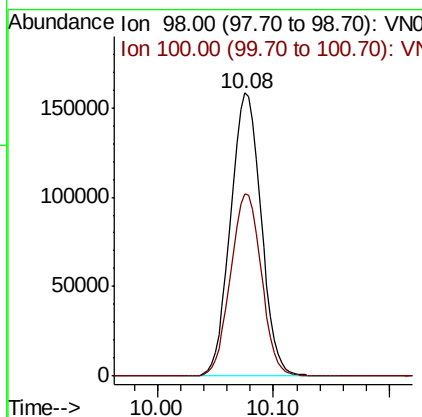
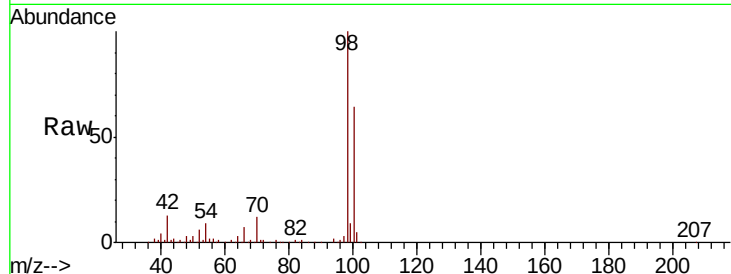




#50
Toluene-d8
Concen: 50.471 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060972.D
Acq: 15 Apr 2020 19:16

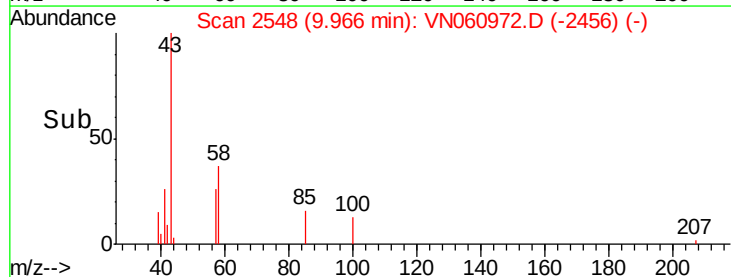
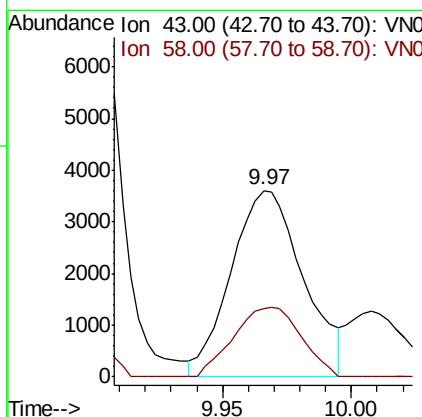
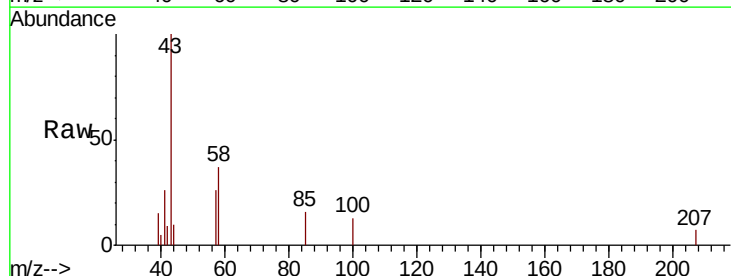
Instrument :
MSVOA_N
ClientSampled :

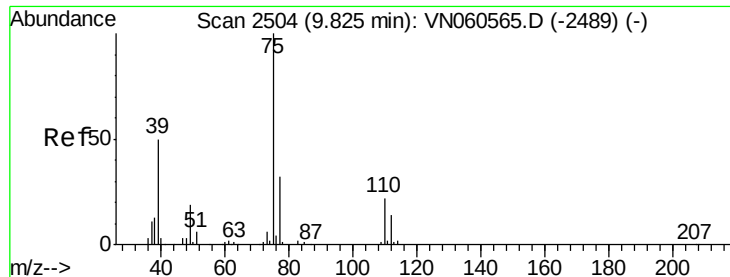
Tot Ion: 98 Resp: 288377
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 3.099 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060972.D
Acq: 15 Apr 2020 19:16

Tgt Ion: 43 Resp: 7040
Ion Ratio Lower Upper
43 100
58 34.9 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 7.229 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060972.D

Acq: 15 Apr 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

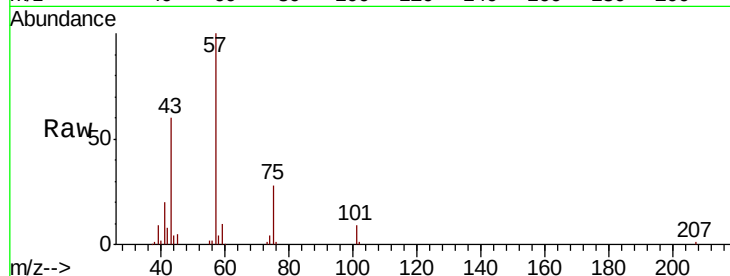
Tot Ion: 75 Resp: 20421

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

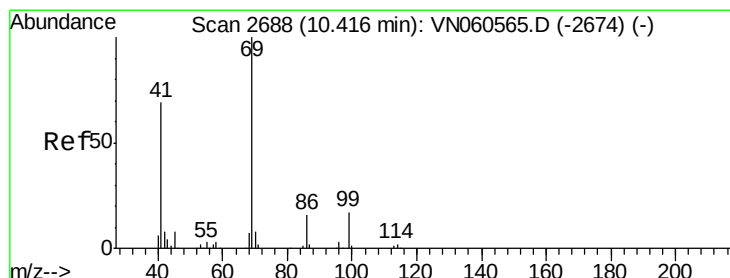
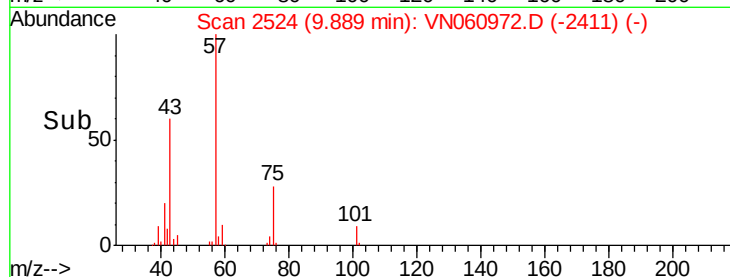
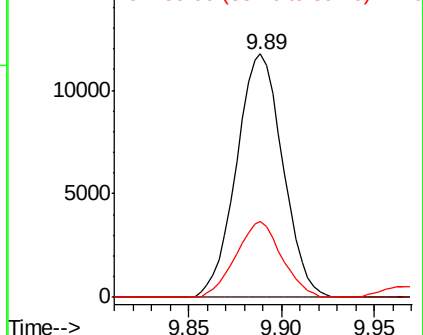
39 31.0 40.2 60.4#



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



#56

Ethyl methacrylate

Concen: 0.208 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.12 min

Lab File: VN060972.D

Acq: 15 Apr 2020 19:16

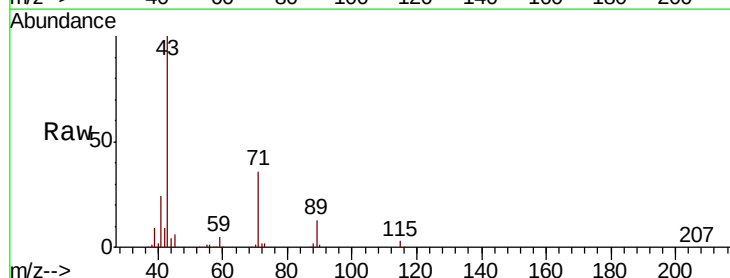
Tgt Ion: 69 Resp: 510

Ion Ratio Lower Upper

69 100

41 8043.7 55.4 83.2#

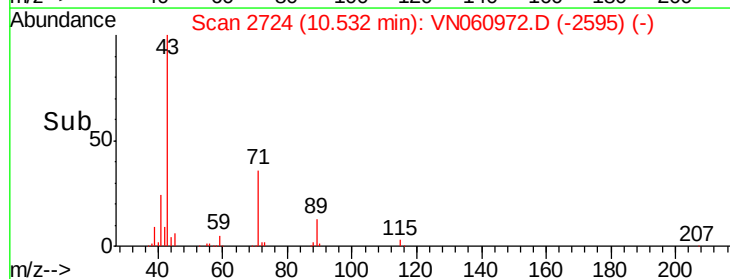
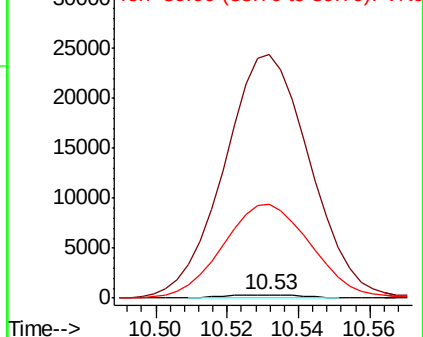
39 3170.8 29.4 44.0#

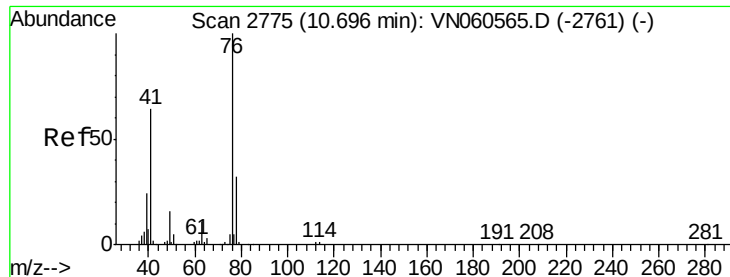


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.134 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060972.D

Acq: 15 Apr 2020 19:16

Instrument :

MSVOA_N

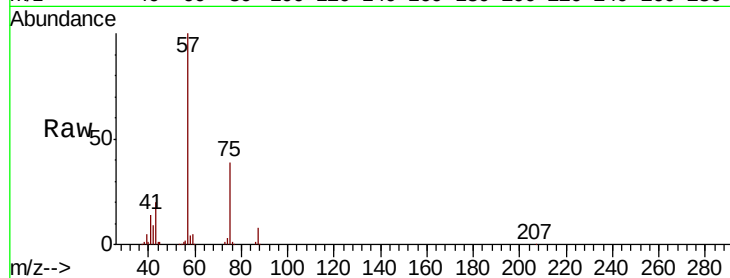
ClientSampleId :

Tot Ion: 76 Resp: 3091

Ion Ratio Lower Upper

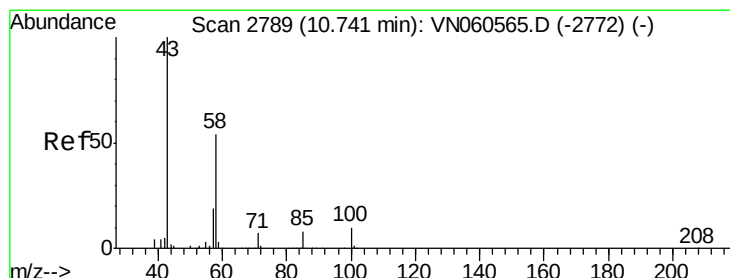
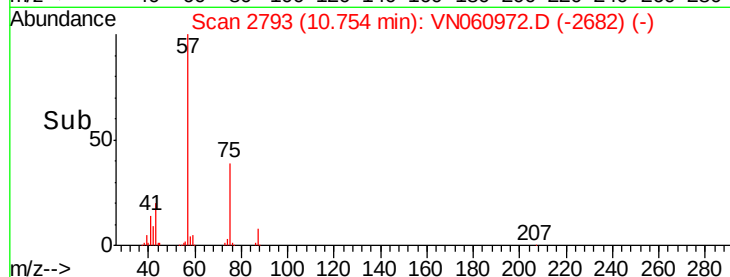
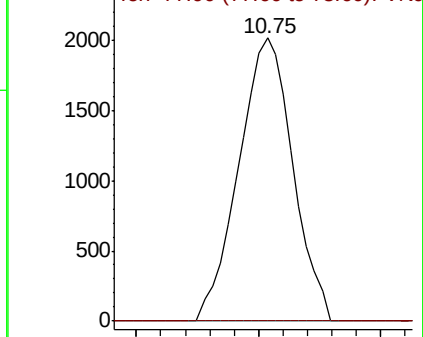
76 100

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: 29.261 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060972.D

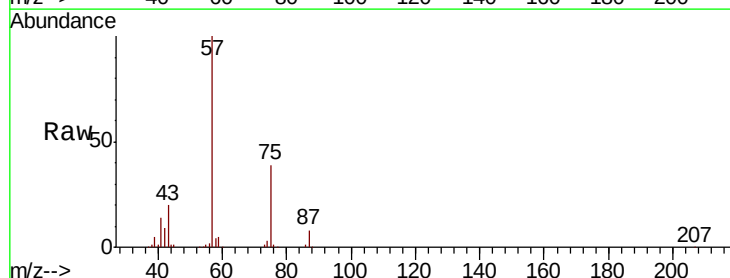
Acq: 15 Apr 2020 19:16

Tgt Ion: 43 Resp: 47879

Ion Ratio Lower Upper

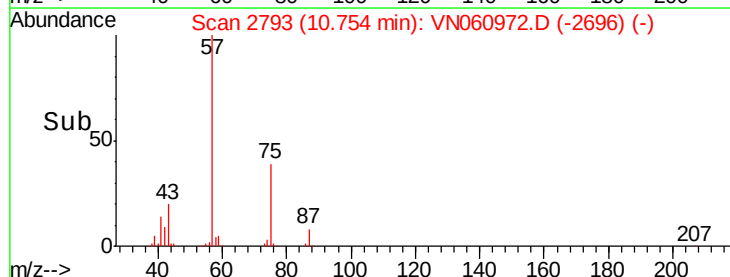
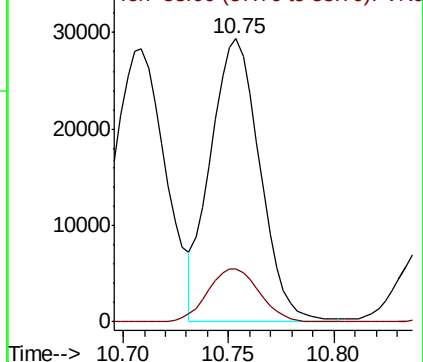
43 100

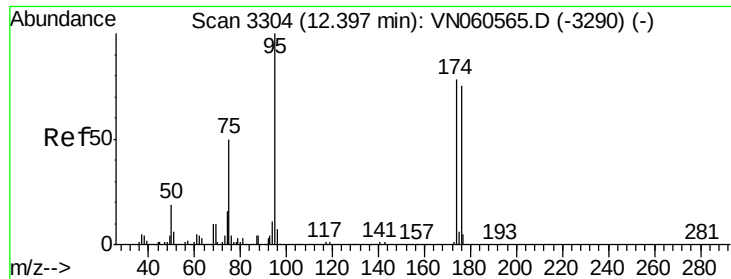
58 19.5 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 52.043 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060972.D

Acq: 15 Apr 2020 19:16

Instrument :

MSVOA_N

ClientSampled :

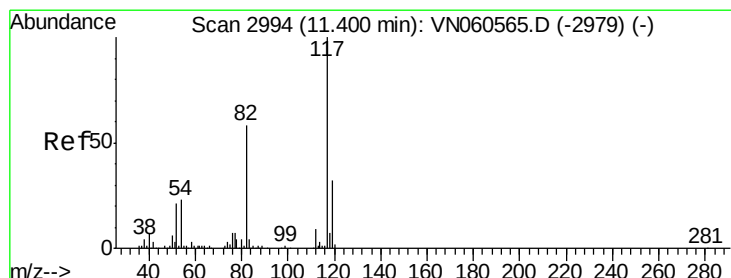
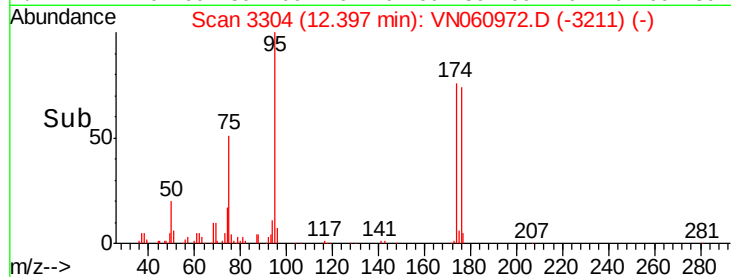
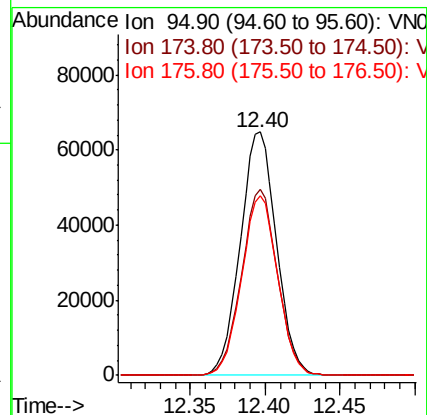
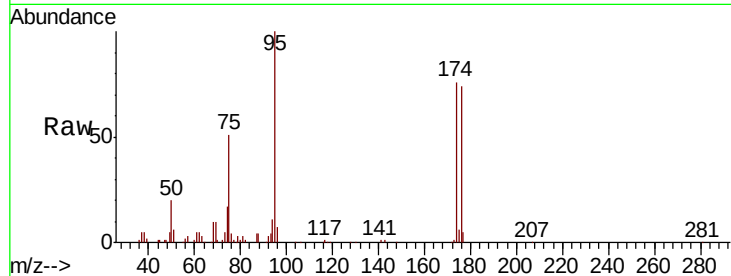
Tot Ion: 95 Resp: 108978

Ion Ratio Lower Upper

95 100

174 75.7 0.0 157.6

176 73.5 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: VN060972.D

Acq: 15 Apr 2020 19:16

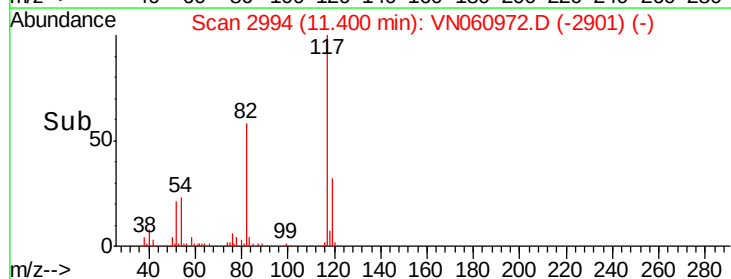
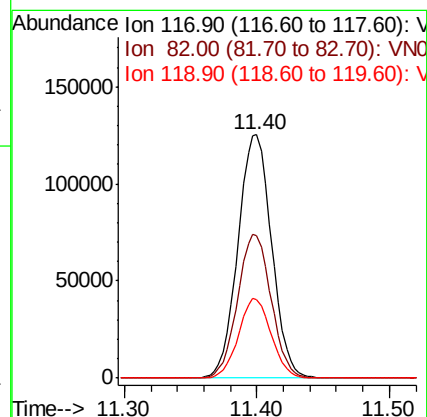
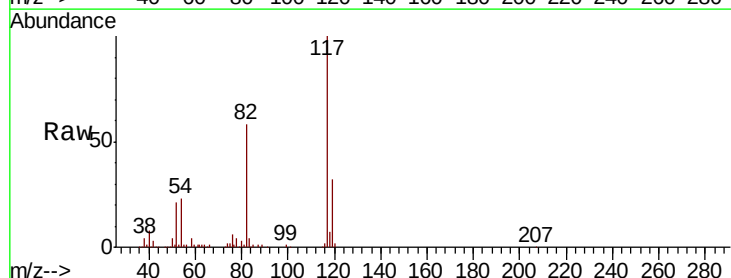
Tgt Ion: 117 Resp: 220671

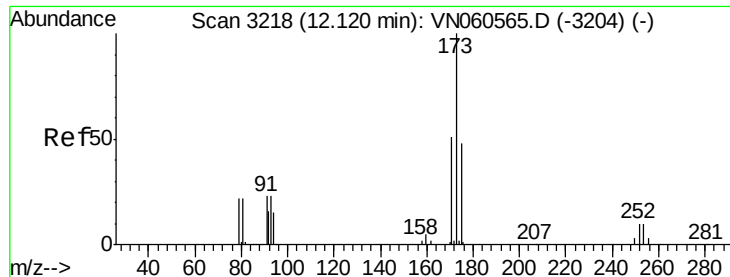
Ion Ratio Lower Upper

117 100

82 58.3 46.7 70.1

119 32.2 25.5 38.3





#71

Bromoform

Concen: 2.105 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060972.D

Acq: 15 Apr 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

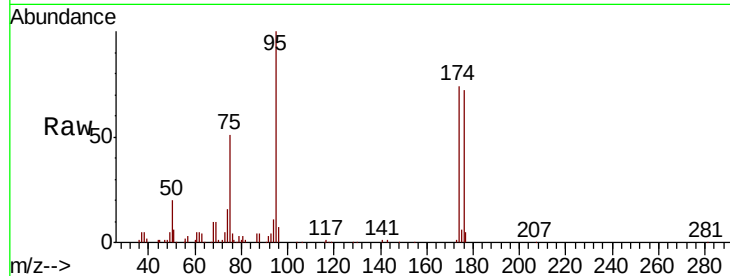
Tot Ion:173 Resp: 578

Ion Ratio Lower Upper

173 100

175 923.2 24.1 72.4#

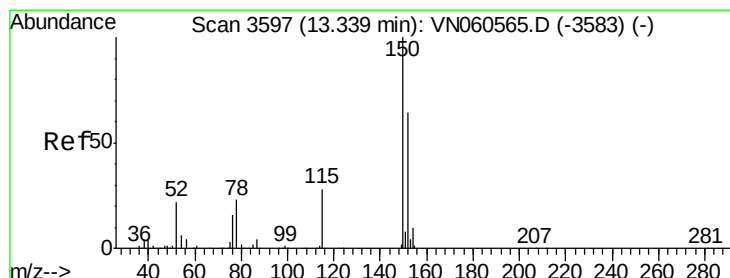
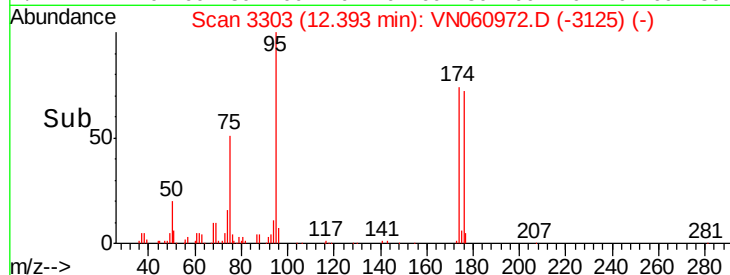
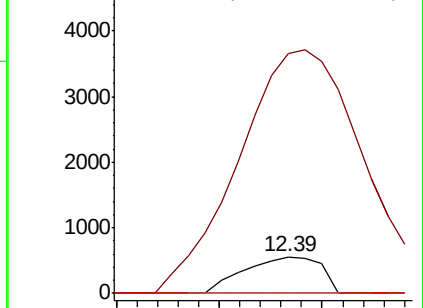
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VN060972.D

Acq: 15 Apr 2020 19:16

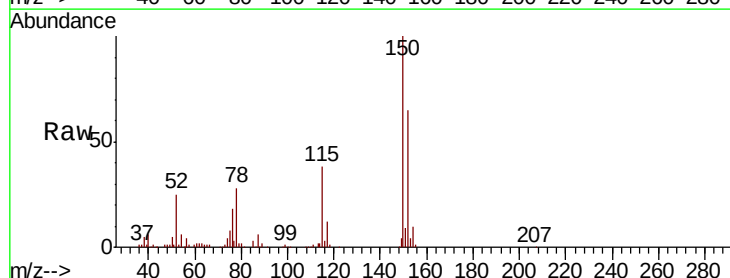
Tgt Ion:152 Resp: 98538

Ion Ratio Lower Upper

152 100

115 60.3 30.2 90.6

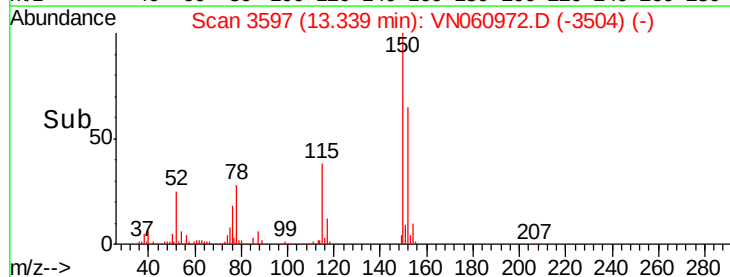
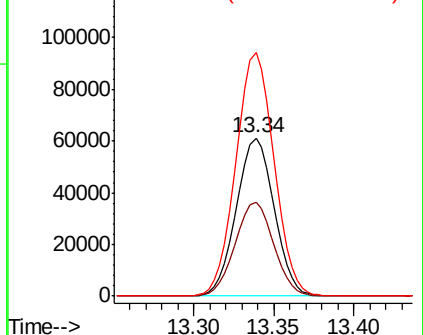
150 155.5 0.0 350.2

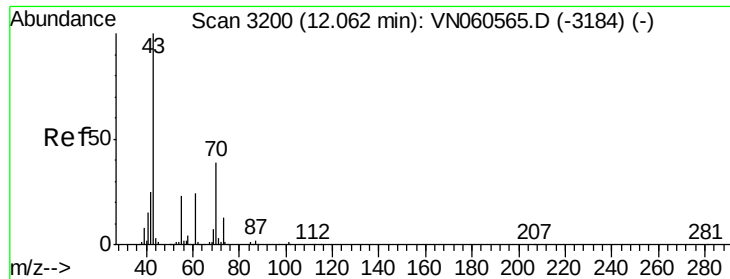


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

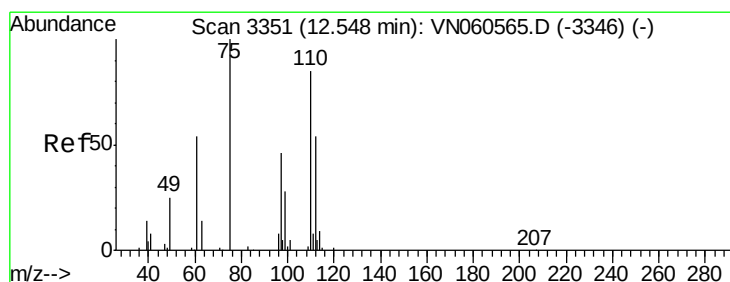
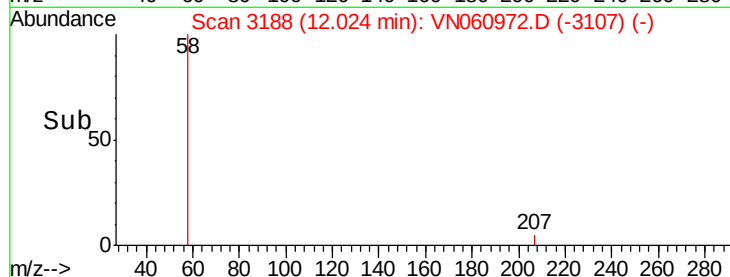
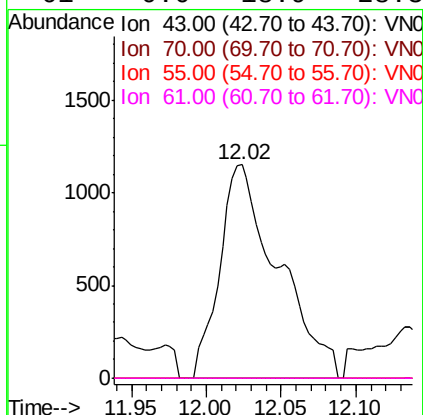
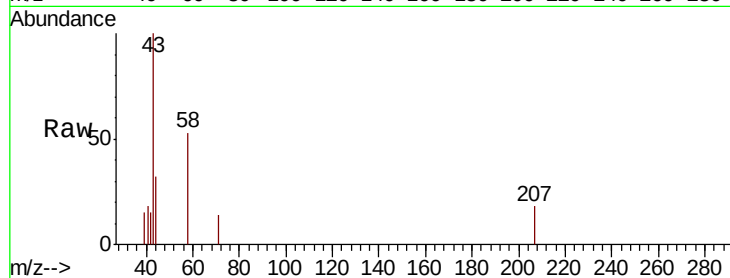




#74
N-amvl acetate
Concen: 0.912 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060972.D
Acq: 15 Apr 2020 19:16

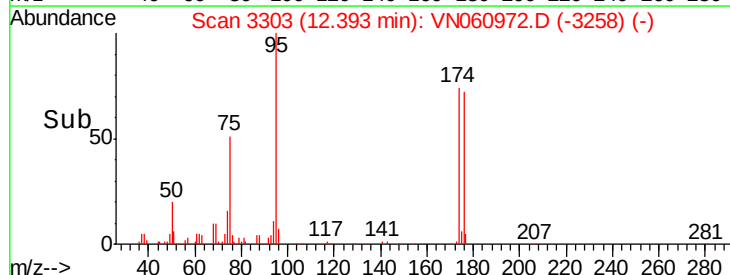
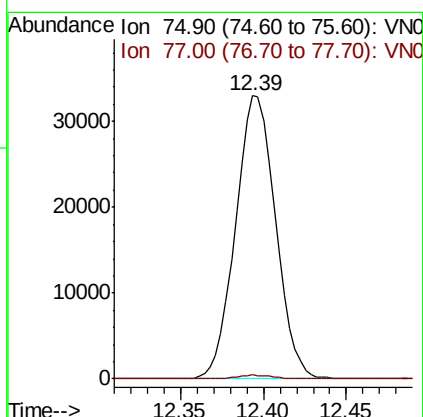
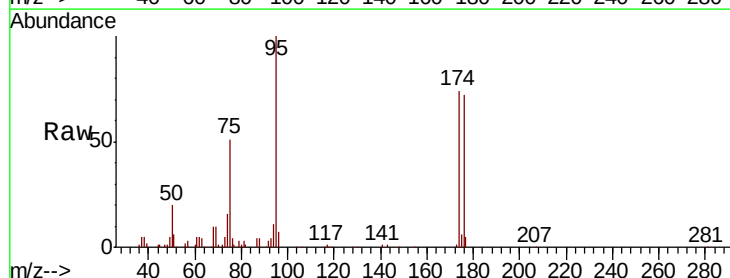
Instrument :
MSVOA_N
ClientSampleId :

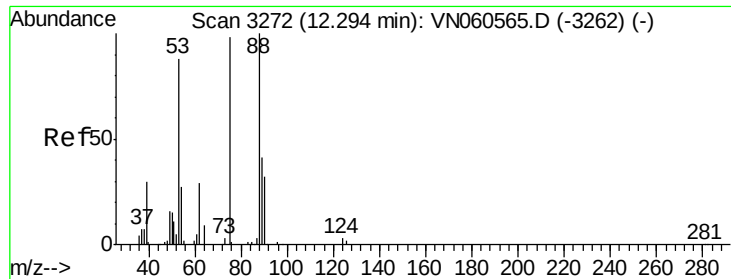
Tot Ion:	43	Resp:	3115
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.1	46.7#
55	0.0	18.6	27.8#
61	0.0	18.9	28.3#



#76
1,2,3-Trichloropropane
Concen: 26.063 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.15 min
Lab File: VN060972.D
Acq: 15 Apr 2020 19:16

Tgt Ion:	75	Resp:	55416
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.937 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.10 min
 Lab File: VN060972.D
 Acq: 15 Apr 2020 19:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 55416
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

