

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060971.D
 Acq On : 15 Apr 2020 18:53
 Operator : JC/MD
 Sample : L2230-54
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:37:04 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	137203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	232861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	220489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	97629	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	93118	49.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.88%	
35) Dibromofluoromethane	7.56	113	69797	49.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.14%	
50) Toluene-d8	10.08	98	292266	50.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.40	95	108784	51.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.22%	

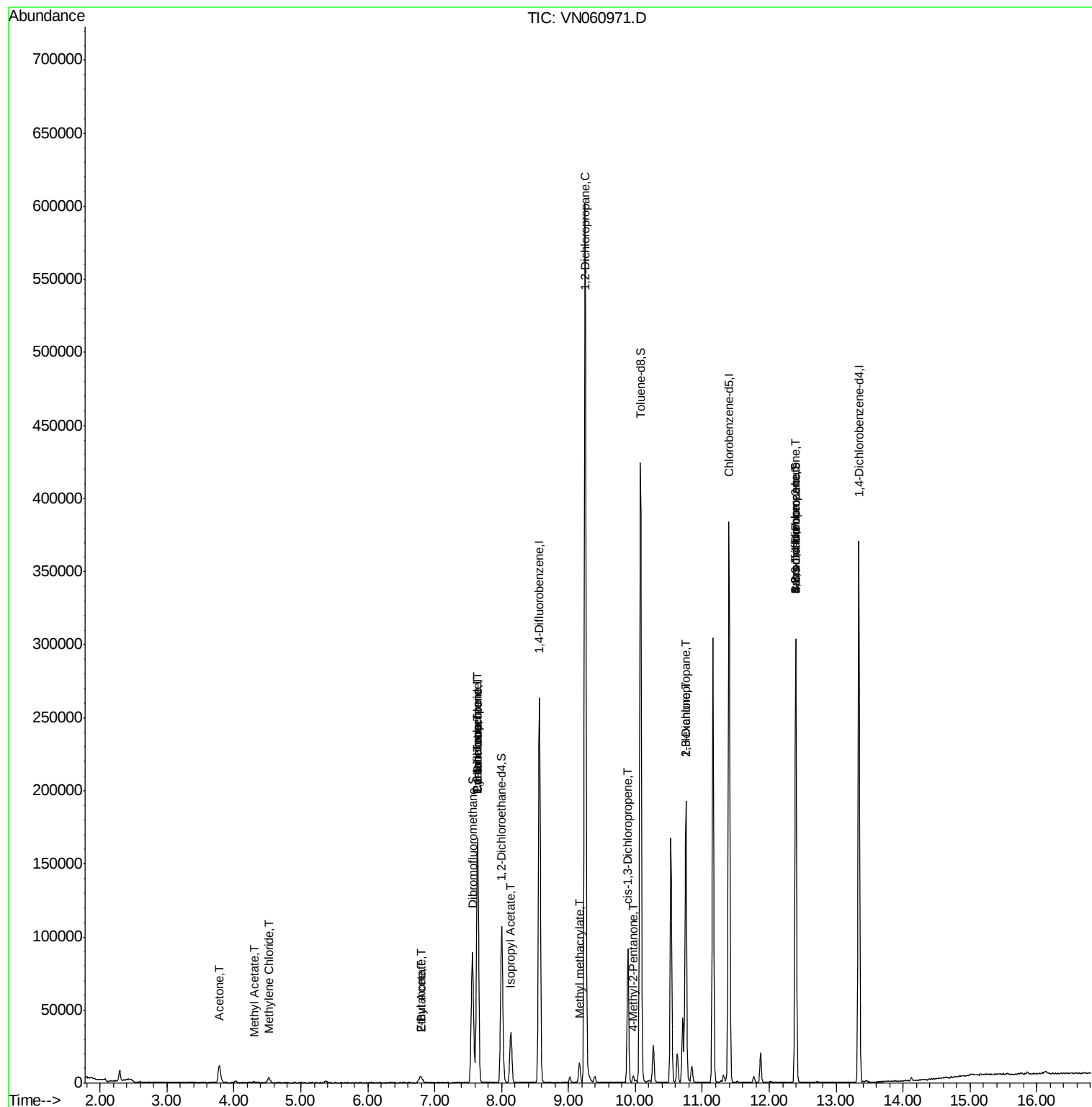
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	21122	31.659	ug/l	96
18) Methyl Acetate	4.30	43	1389	0.740	ug/l #	54
20) Methylene Chloride	4.52	84	2703	1.647	ug/l	88
25) 2-Butanone	6.80	43	6771	6.272	ug/l	99
31) Cyclohexane	7.64	56	2825	0.931	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	10679	4.736	ug/l #	49
37) Ethyl Acetate	6.80	43	6771	2.779	ug/l #	70
38) Carbon Tetrachloride	7.64	117	13351	6.607	ug/l #	15
43) Isopropyl Acetate	8.14	43	41972	10.446	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	636	0.354	ug/l #	43
48) Methyl methacrylate	9.16	41	2333	1.304	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	3917	1.713	ug/l #	81
54) cis-1,3-Dichloropropene	9.89	75	16331	5.743	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	1793	0.653	ug/l #	42
59) 2-Hexanone	10.75	43	29977	18.200	ug/l #	50
71) Bromoform	12.40	173	662	2.167	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	55469	26.331	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	55469	67.625	ug/l #	13

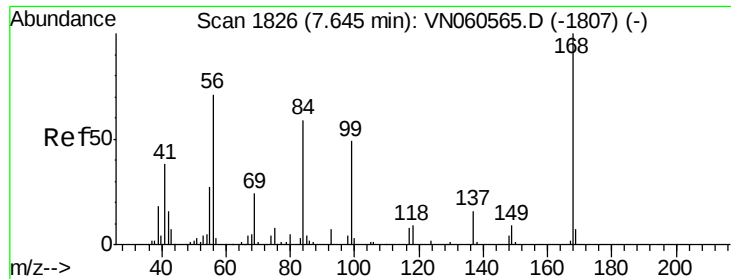
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041520\
Data File : VN060971.D
Acq On : 15 Apr 2020 18:53
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

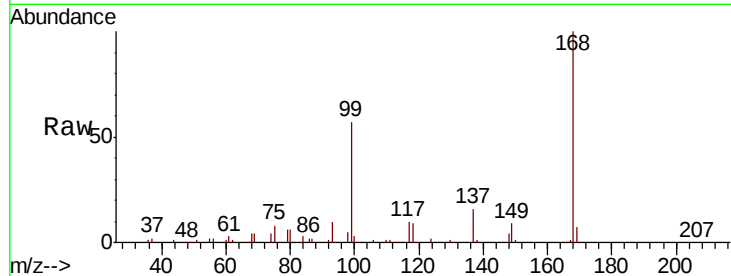




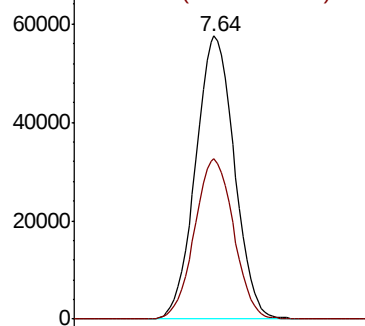
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN060971.D
Acq: 15 Apr 2020 18:53

Instrument :
MSVOA_N
ClientSampled :

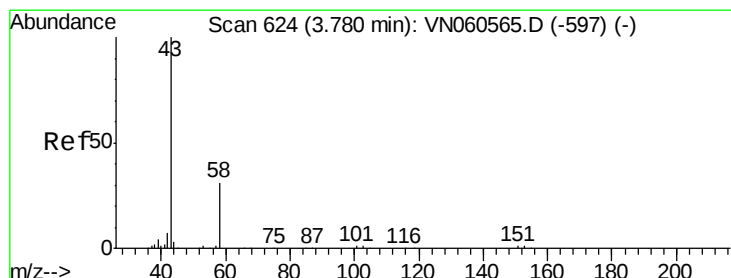
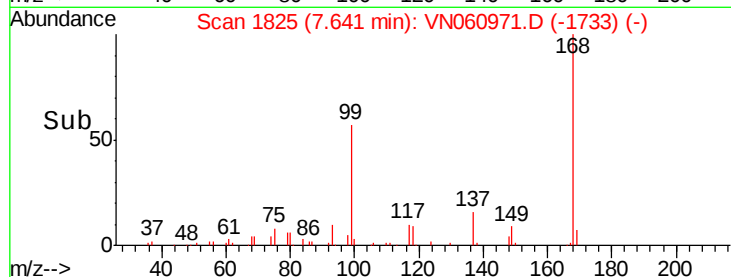
Tot Ion:168 Resp: 137203
Ion Ratio Lower Upper
168 100
99 56.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN

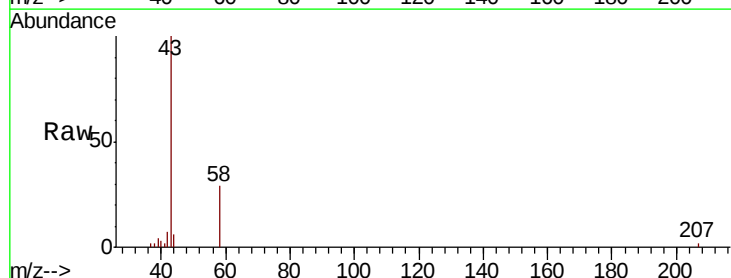


Time-->

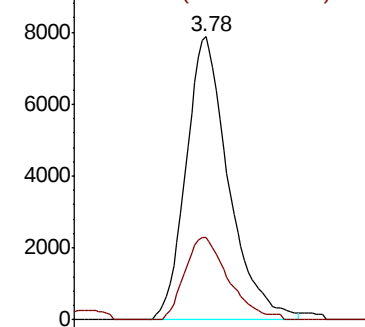


#16
Acetone
Concen: 31.659 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.00 min
Lab File: VN060971.D
Acq: 15 Apr 2020 18:53

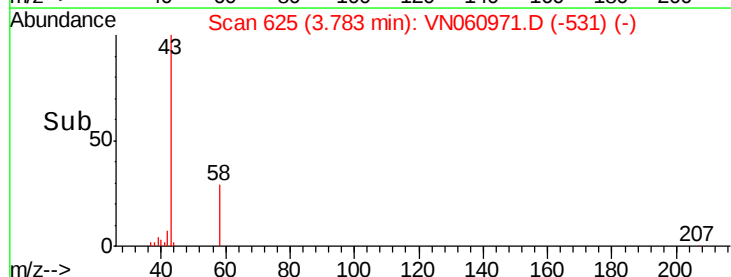
Tgt Ion: 43 Resp: 21122
Ion Ratio Lower Upper
43 100
58 29.2 25.1 37.7

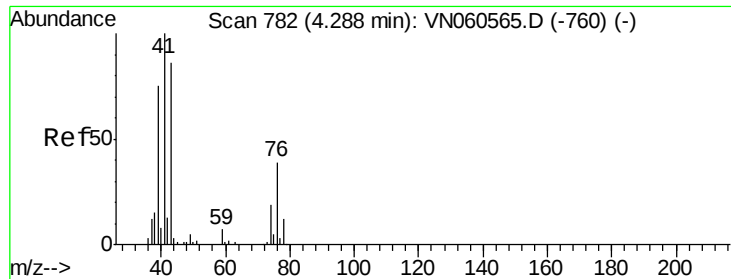


Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



Time-->

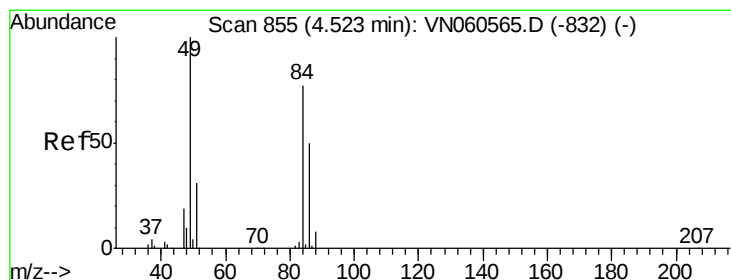
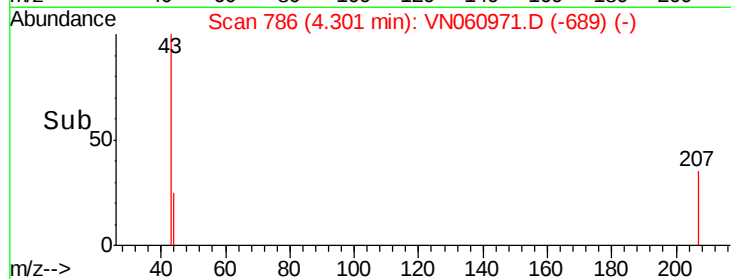
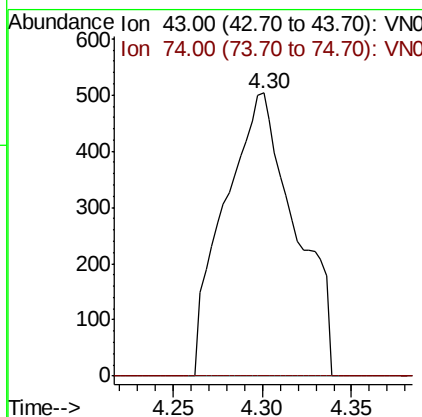
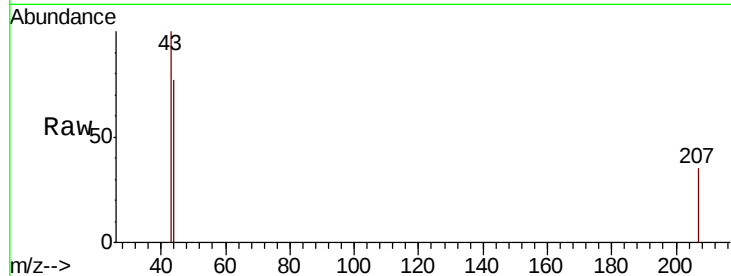




#18
Methvl Acetate
Concen: 0.740 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060971.D
Acq: 15 Apr 2020 18:53

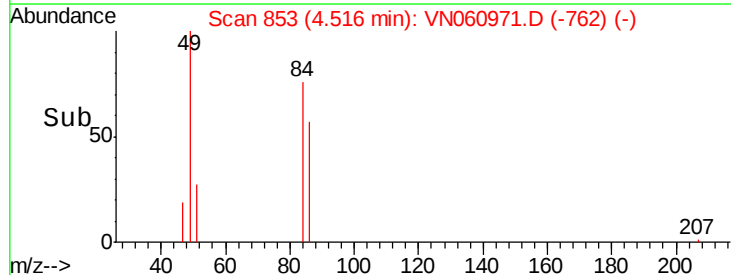
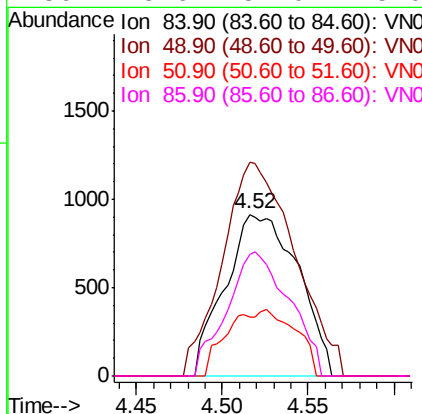
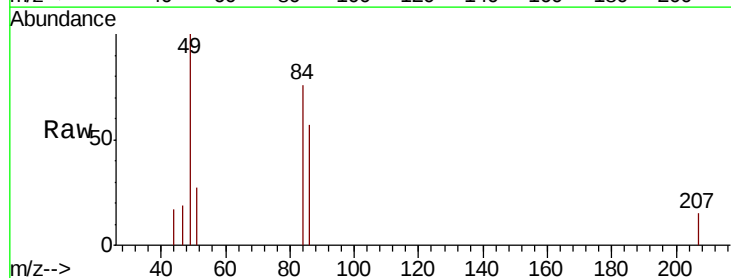
Instrument :
MSVOA_N
ClientSampleId :

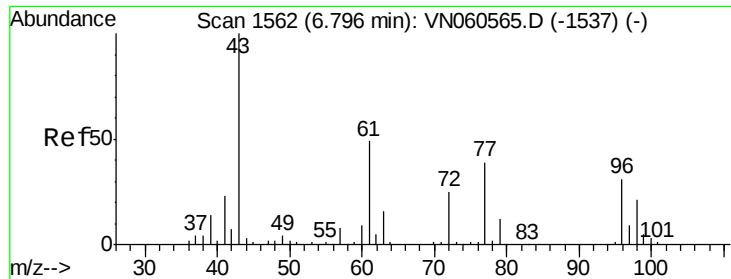
Tot Ion: 43 Resp: 1389
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.647 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060971.D
Acq: 15 Apr 2020 18:53

Tgt Ion: 84 Resp: 2703
Ion Ratio Lower Upper
84 100
49 114.6 103.3 154.9
51 36.1 31.6 47.4
86 75.6 52.0 78.0

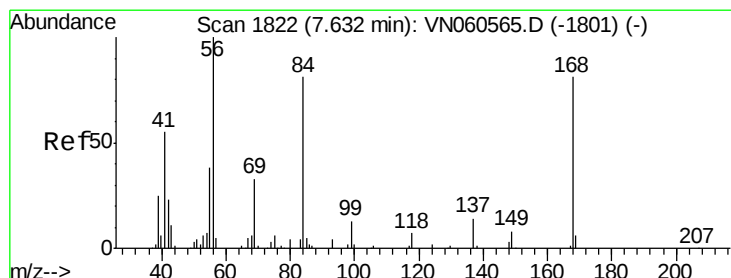
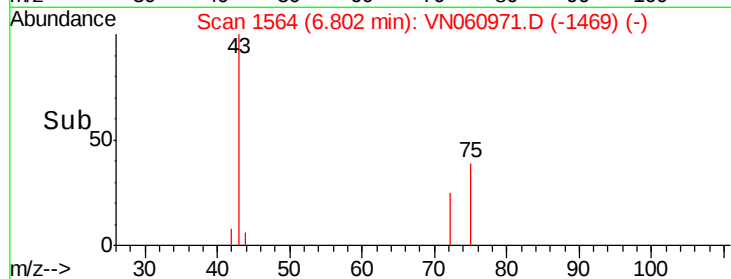
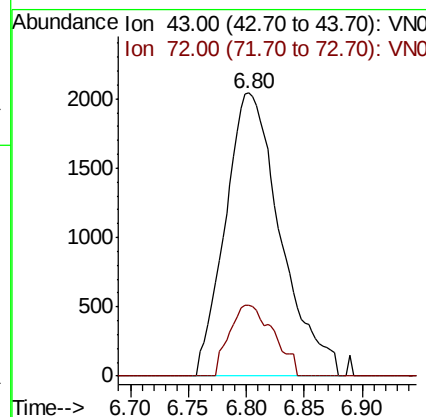
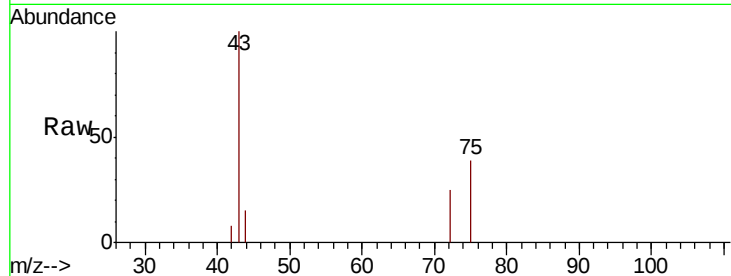




#25
 2-Butanone
 Concen: 6.272 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: VN060971.D
 Acq: 15 Apr 2020 18:53

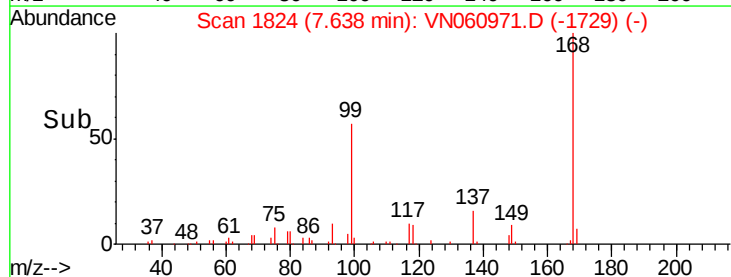
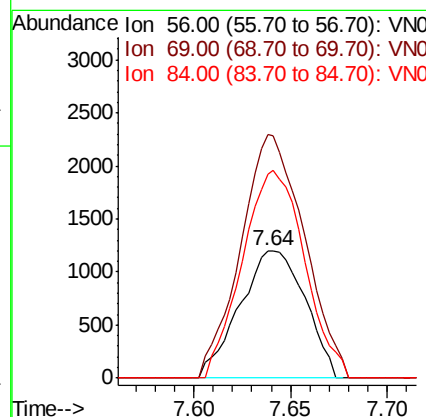
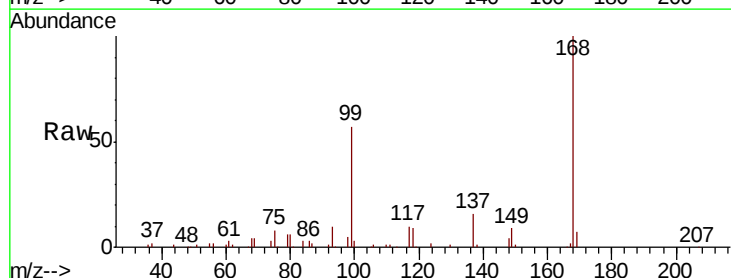
Instrument :
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 ClientSampleId :

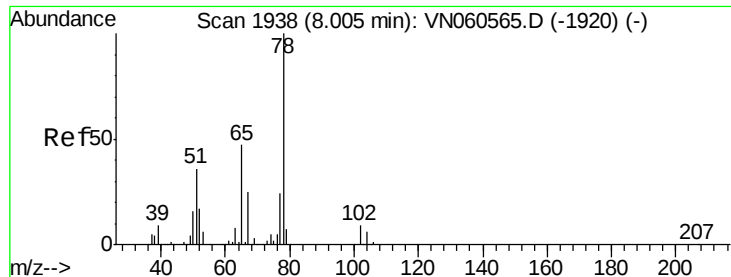
Tot Ion: 43 Resp: 6771
 Ion Ratio Lower Upper
 43 100
 72 25.0 20.4 30.6



#31
 Cyclohexane
 Concen: 0.931 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. 0.01 min
 Lab File: VN060971.D
 Acq: 15 Apr 2020 18:53

Tgt Ion: 56 Resp: 2825
 Ion Ratio Lower Upper
 56 100
 69 191.0 26.6 40.0#
 84 159.9 64.3 96.5#

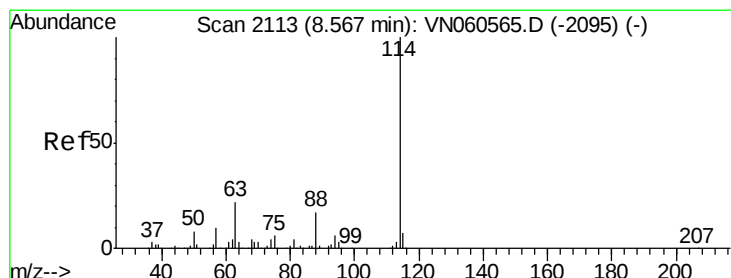
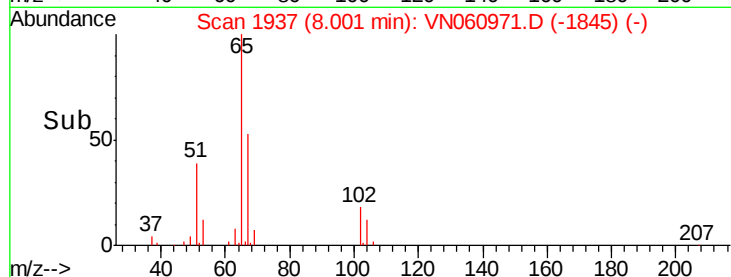
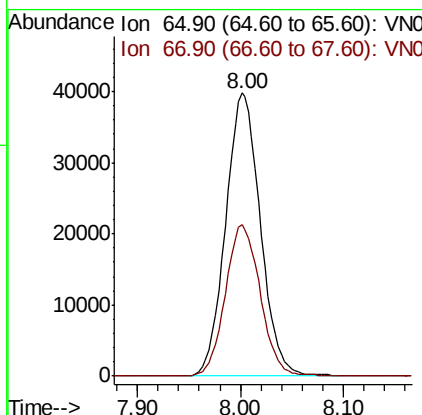
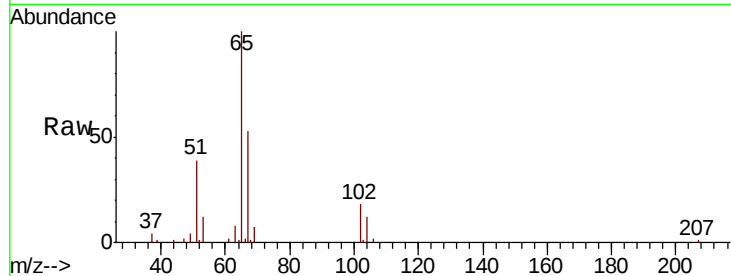




#33
 1,2-Dichloroethane-d4
 Concen: 49.439 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060971.D
 Acq: 15 Apr 2020 18:53

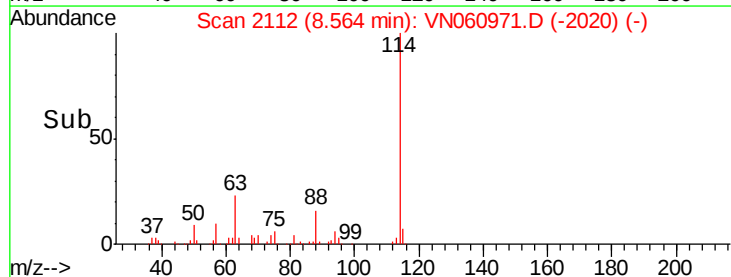
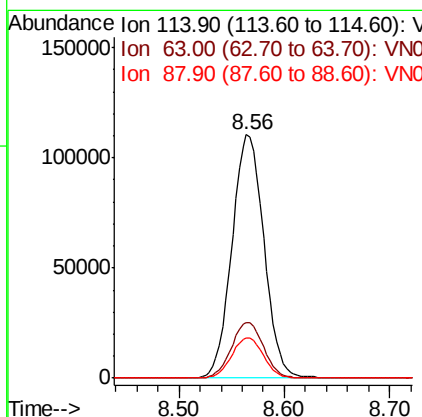
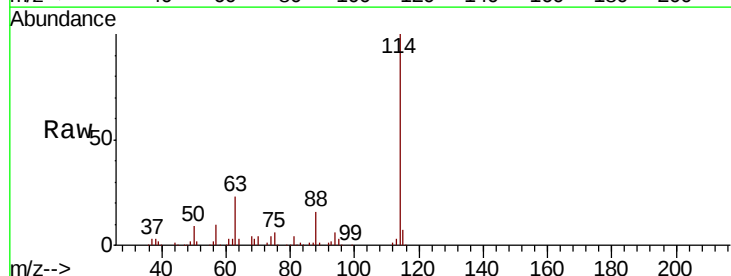
Instrument :
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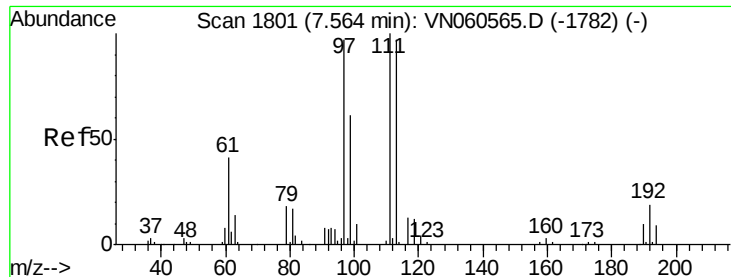
Tot Ion: 65 Resp: 93118
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060971.D
 Acq: 15 Apr 2020 18:53

Tgt Ion: 114 Resp: 232861
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 43.8
 88 16.3 0.0 33.0

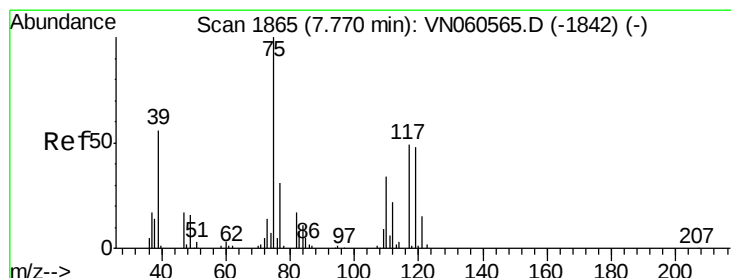
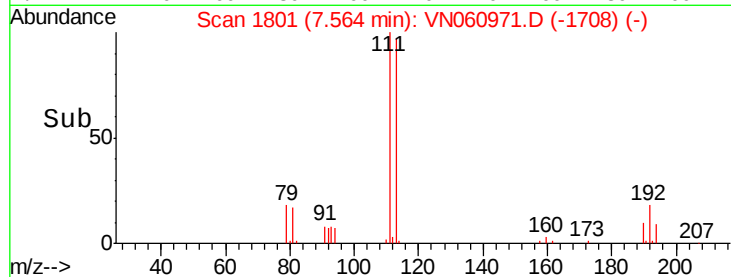
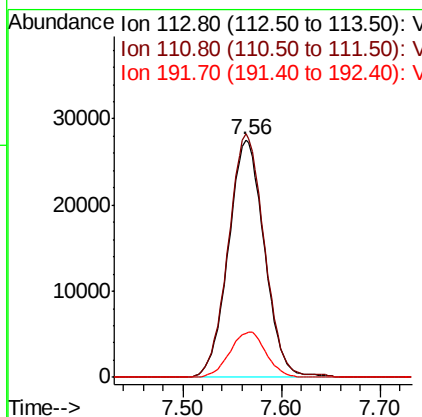
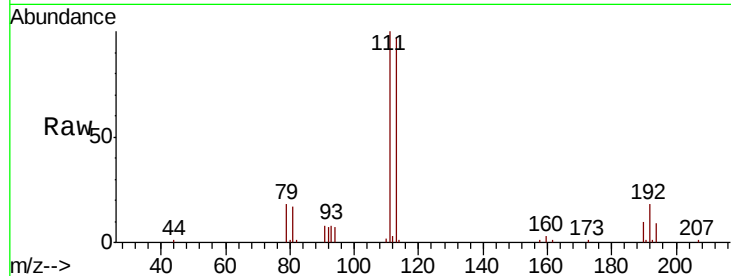




#35
 Dibromofluoromethane
 Concen: 49.570 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060971.D
 Acq: 15 Apr 2020 18:53

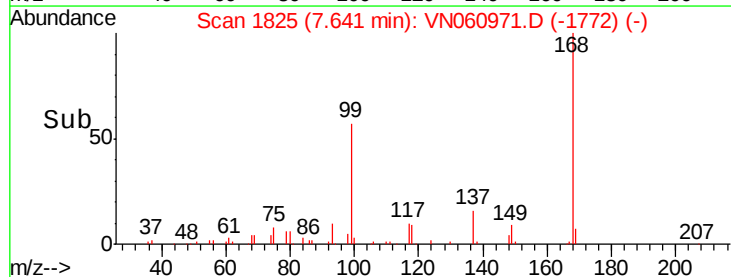
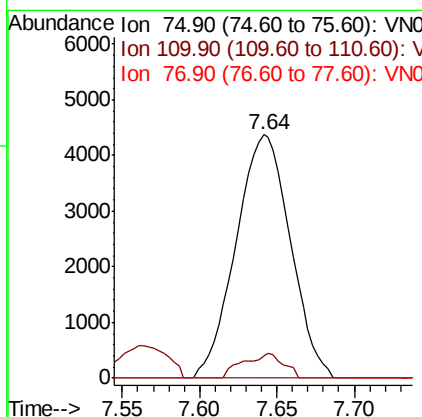
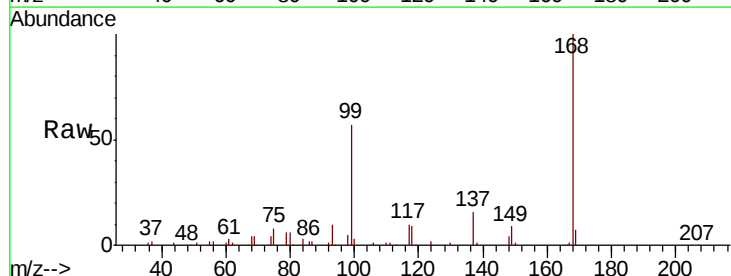
Instrument :
 MSVOA_N
 ClientSampled :

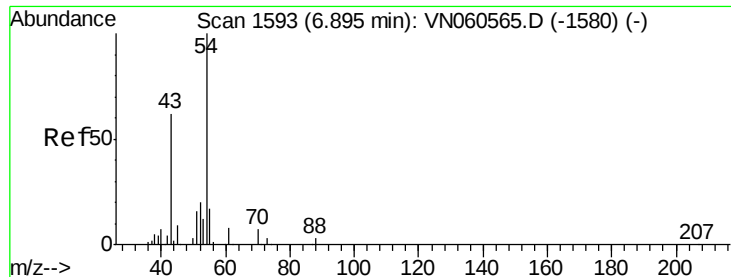
Tot Ion:113 Resp: 69797
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 19.2 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.736 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060971.D
 Acq: 15 Apr 2020 18:53

Tgt Ion: 75 Resp: 10679
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.9 50.6#
 77 0.0 24.6 36.8#

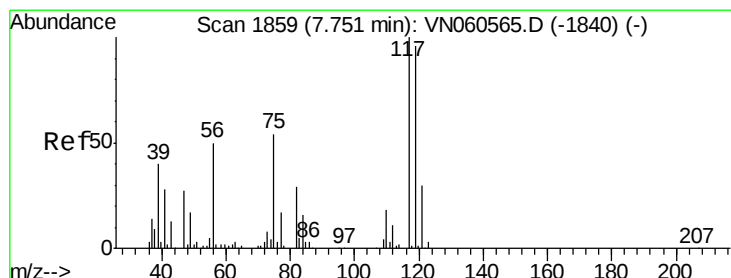
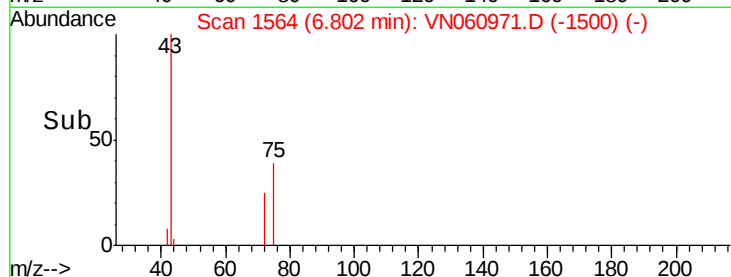
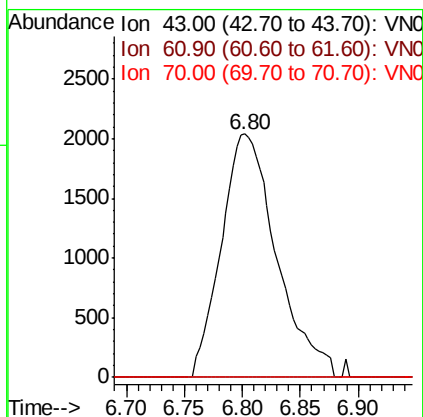
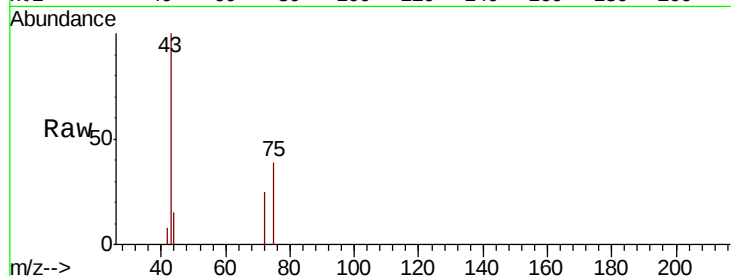




#37
Ethyl Acetate
Concen: 2.779 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.09 min
Lab File: VN060971.D
Acq: 15 Apr 2020 18:53

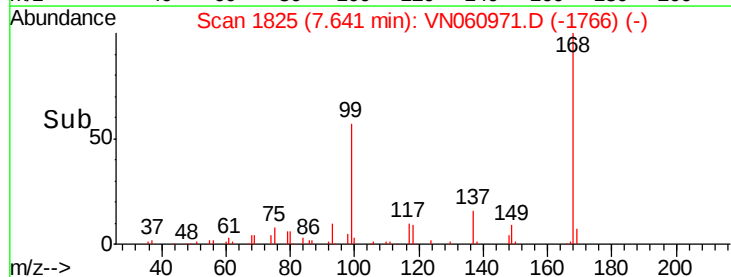
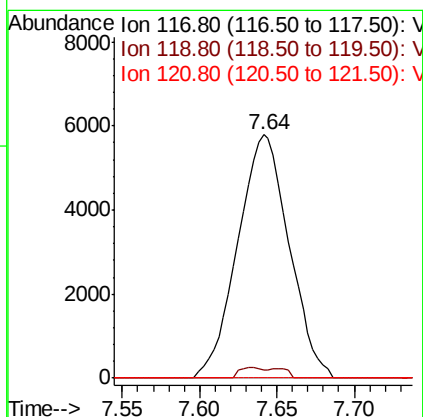
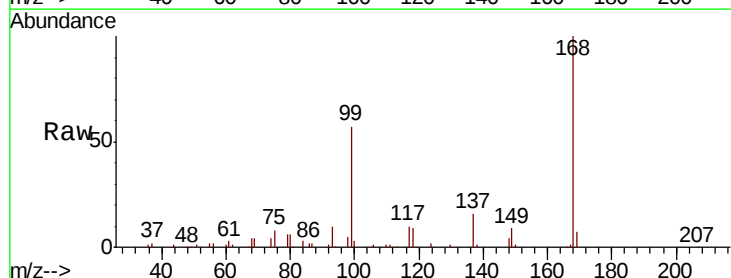
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MSVOA_N
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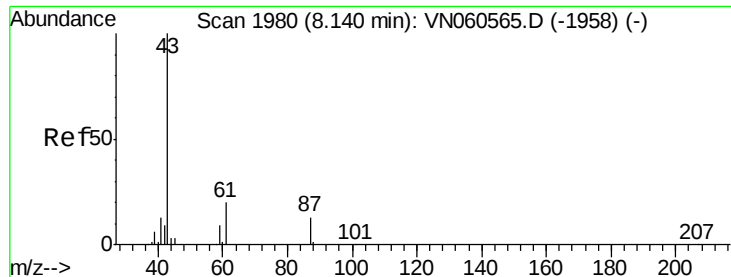
Tot Ion: 43 Resp: 6771
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.607 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060971.D
Acq: 15 Apr 2020 18:53

Tgt Ion: 117 Resp: 13351
Ion Ratio Lower Upper
117 100
119 3.5 76.2 114.2#
121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 10.446 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060971.D

Acq: 15 Apr 2020 18:53

Instrument :

MSVOA_N

ClientSampled :

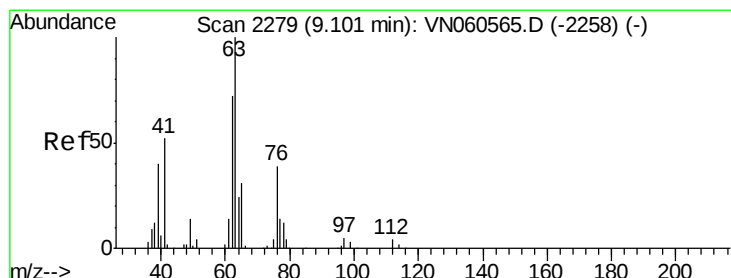
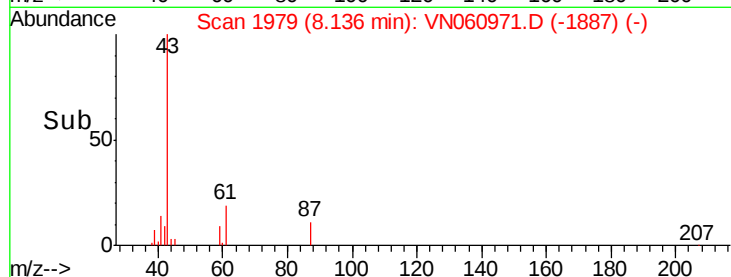
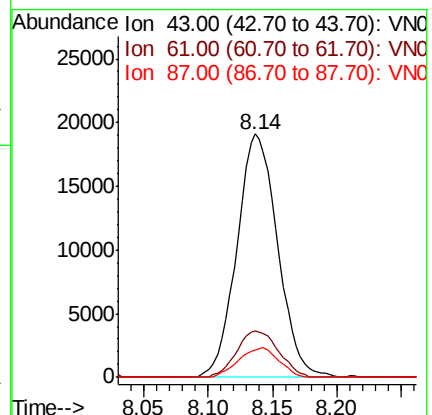
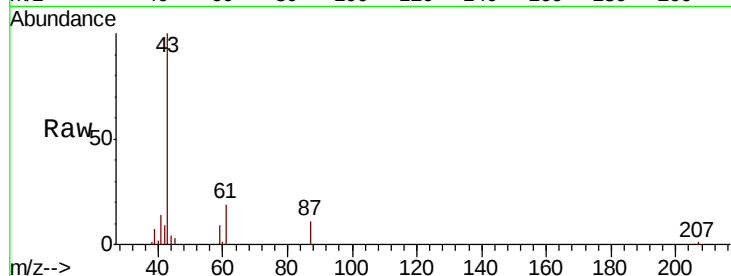
Tot Ion: 43 Resp: 41972

Ion Ratio Lower Upper

43 100

61 19.6 20.7 31.1#

87 11.9 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.354 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060971.D

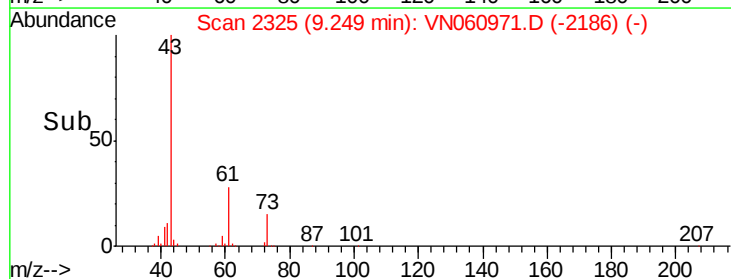
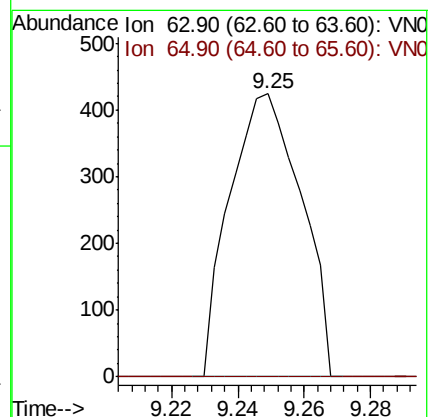
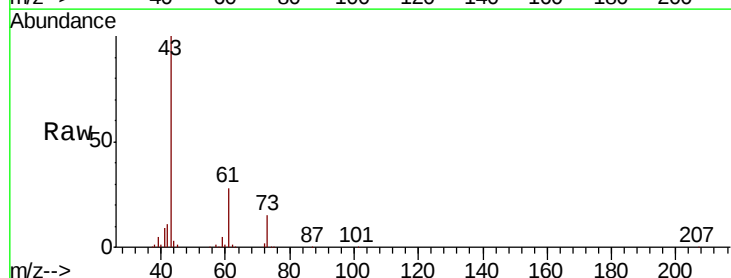
Acq: 15 Apr 2020 18:53

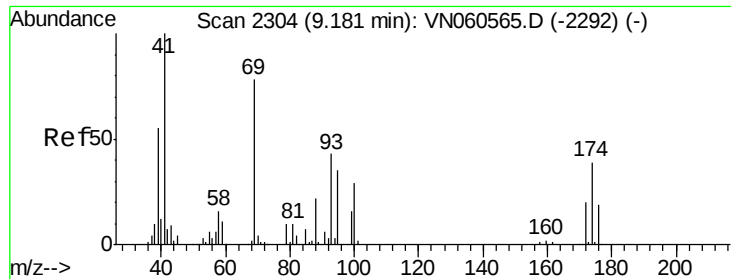
Tgt Ion: 63 Resp: 636

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

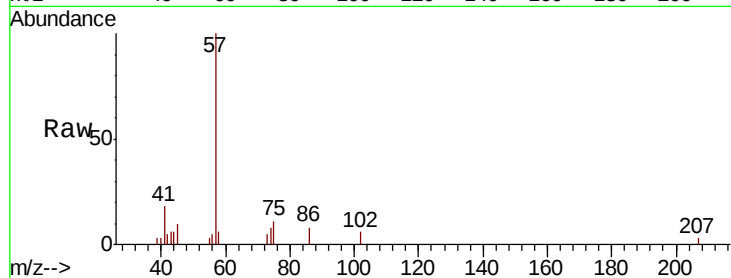




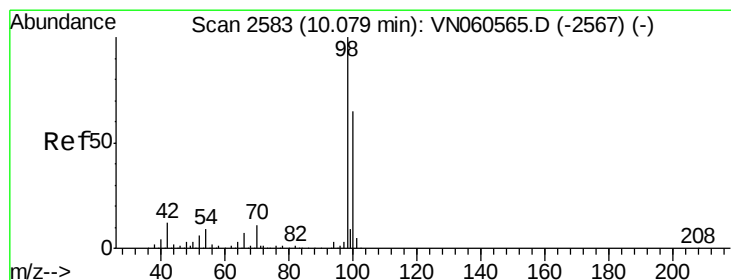
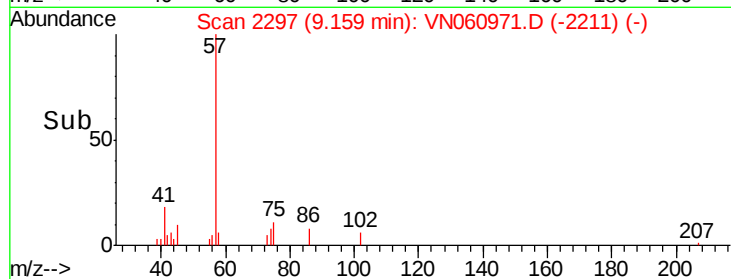
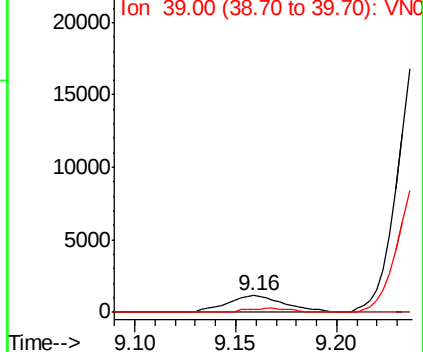
#48
Methvl methacrylate
Concen: 1.304 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060971.D
Acq: 15 Apr 2020 18:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 2333
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

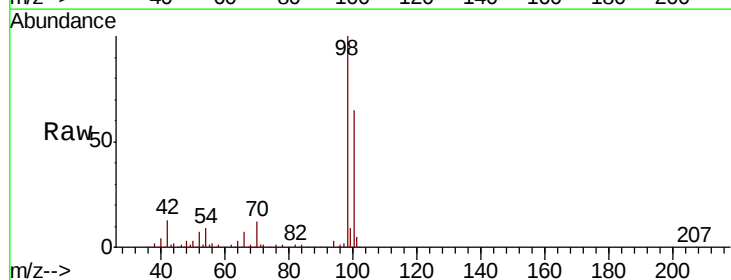


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

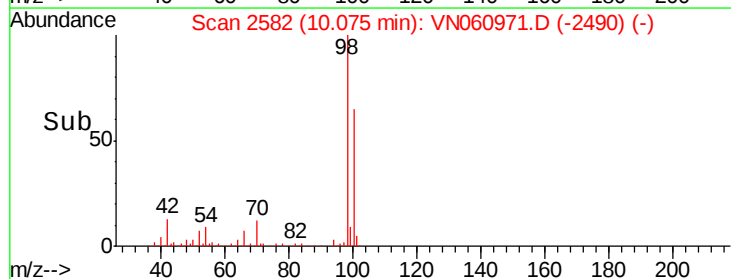
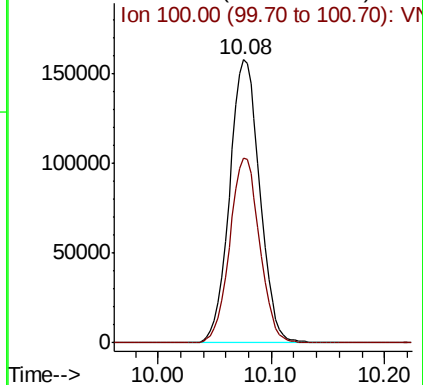


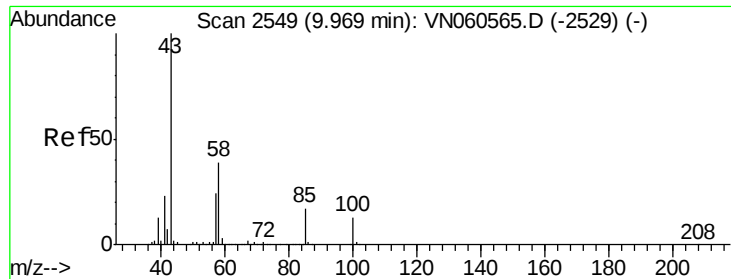
#50
Toluene-d8
Concen: 50.818 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060971.D
Acq: 15 Apr 2020 18:53

Tgt Ion: 98 Resp: 292266
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

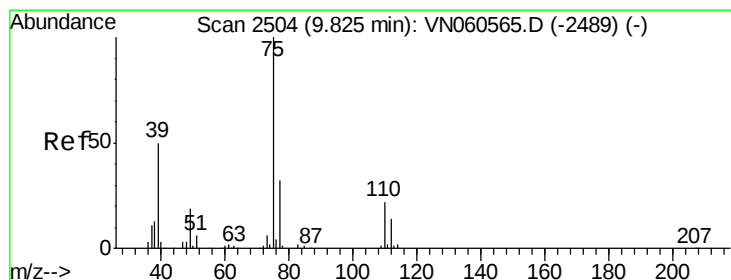
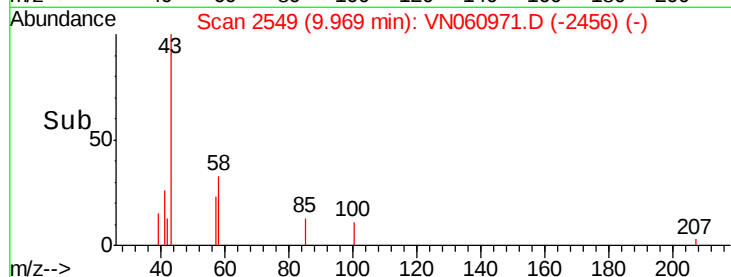
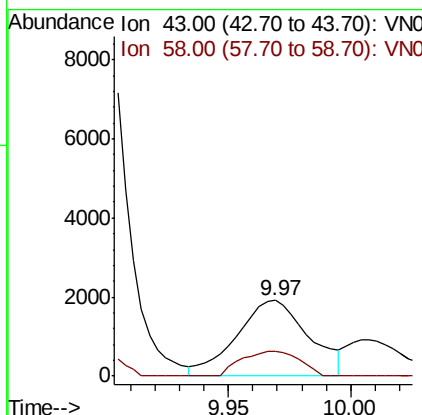
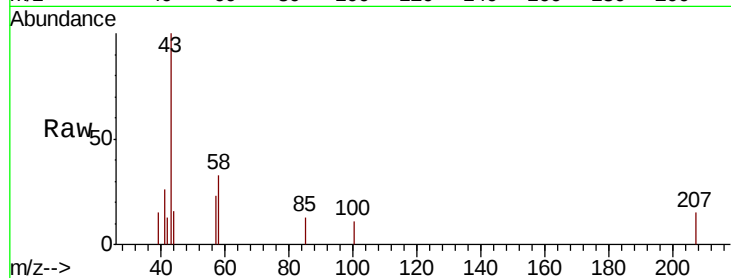




#51
 4-Methyl-2-Pentanone
 Concen: 1.713 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060971.D
 Acq: 15 Apr 2020 18:53

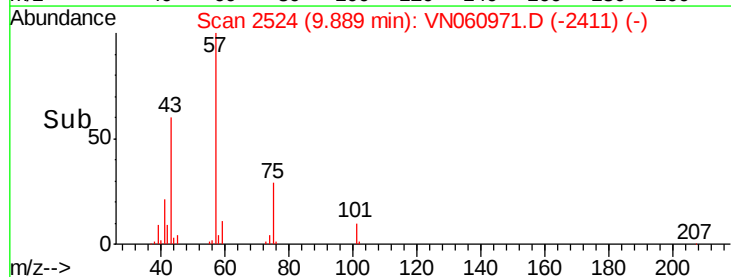
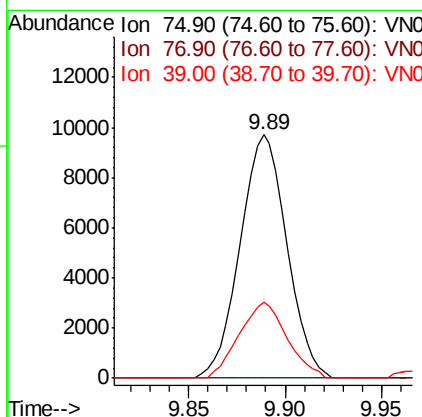
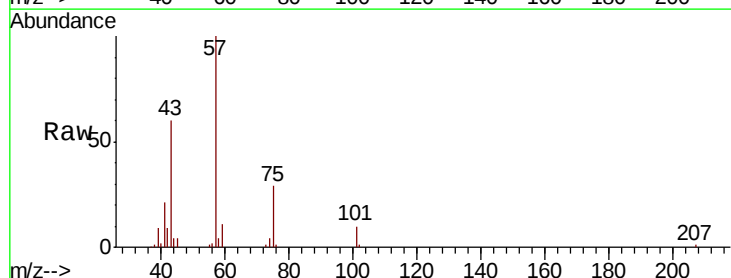
Instrument :
 MSVOA_N
 ClientSampled :

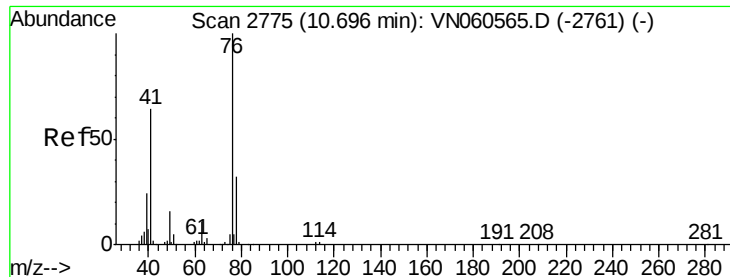
Tot Ion: 43 Resp: 3917
 Ion Ratio Lower Upper
 43 100
 58 26.8 30.8 46.2#



#54
 cis-1,3-Dichloropropene
 Concen: 5.743 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060971.D
 Acq: 15 Apr 2020 18:53

Tgt Ion: 75 Resp: 16331
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 31.0 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 0.653 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060971.D

Acq: 15 Apr 2020 18:53

Instrument :

MSVOA_N

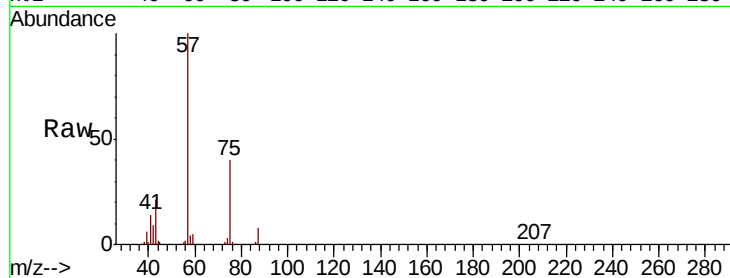
ClientSampled :

Tot Ion: 76 Resp: 1793

Ion Ratio Lower Upper

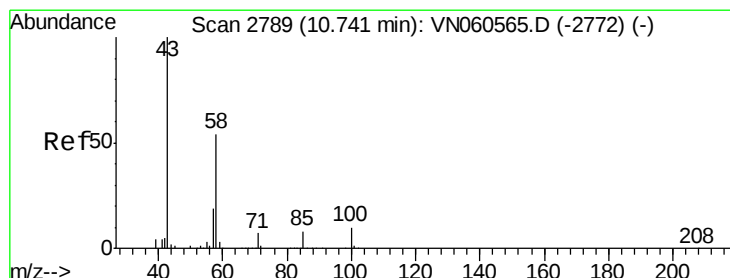
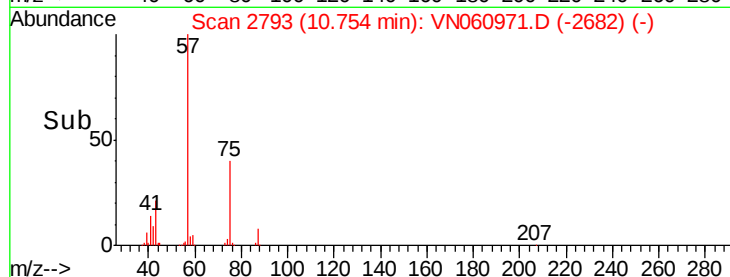
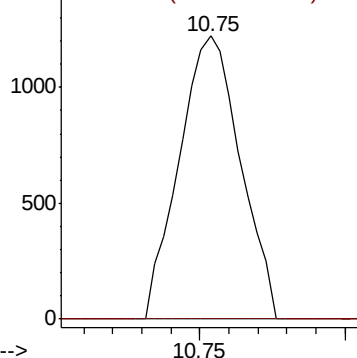
76 100

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: 18.200 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060971.D

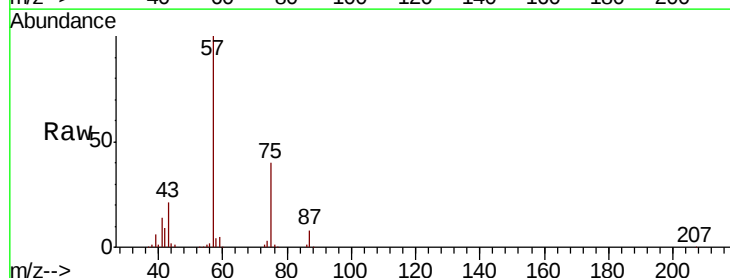
Acq: 15 Apr 2020 18:53

Tgt Ion: 43 Resp: 29977

Ion Ratio Lower Upper

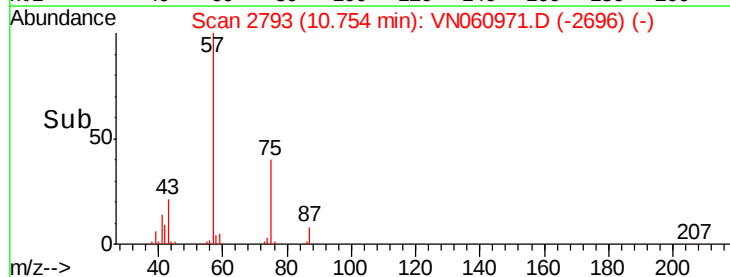
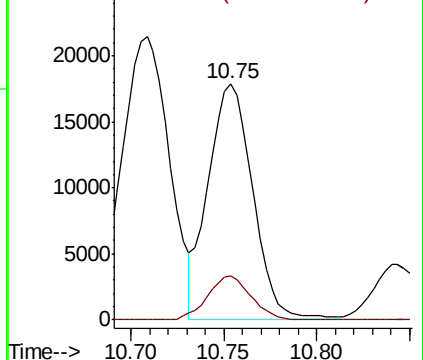
43 100

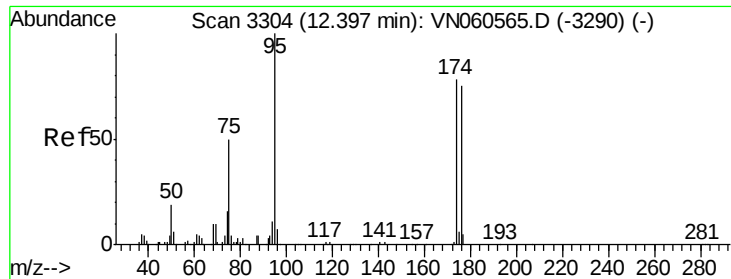
58 17.8 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 51.611 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060971.D

Acq: 15 Apr 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

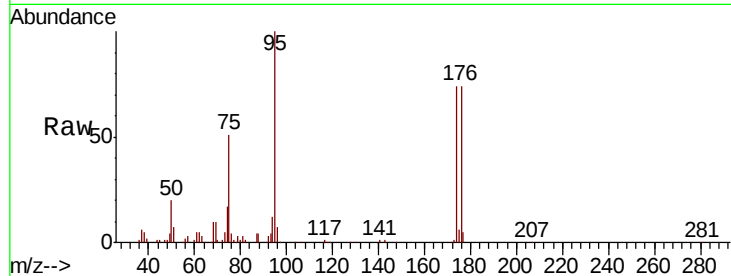
Tot Ion: 95 Resp: 108784

Ion Ratio Lower Upper

95 100

174 75.6 0.0 157.6

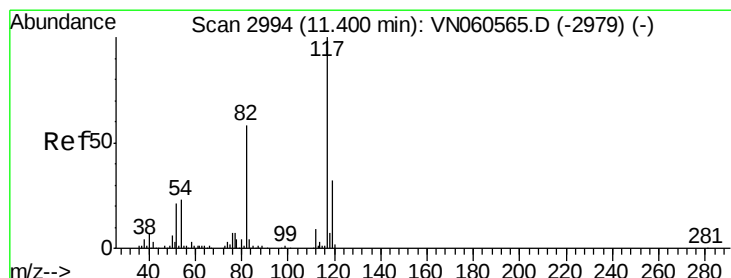
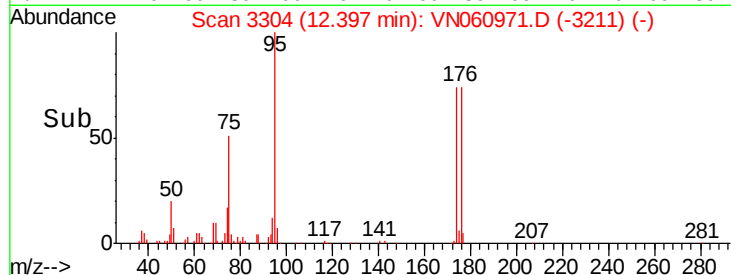
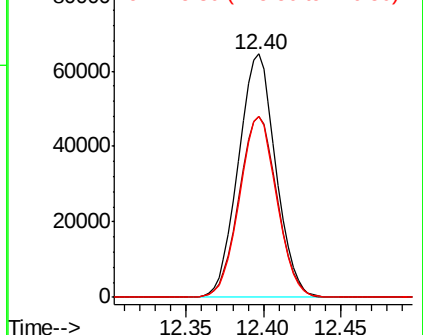
176 73.8 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060971.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060971.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060971.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060971.D

Acq: 15 Apr 2020 18:53

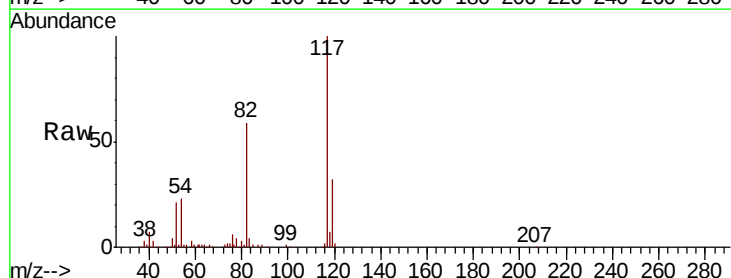
Tgt Ion: 117 Resp: 220489

Ion Ratio Lower Upper

117 100

82 58.7 46.7 70.1

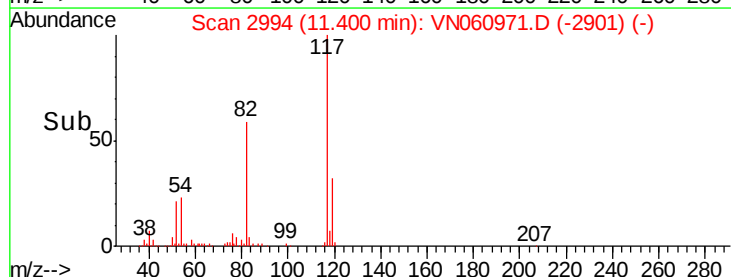
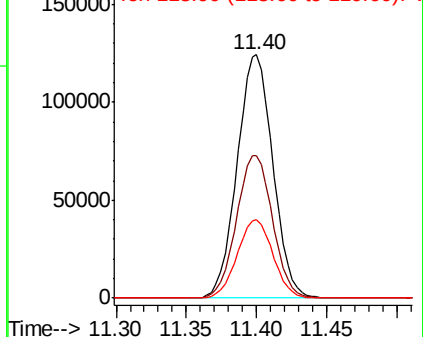
119 32.2 25.5 38.3

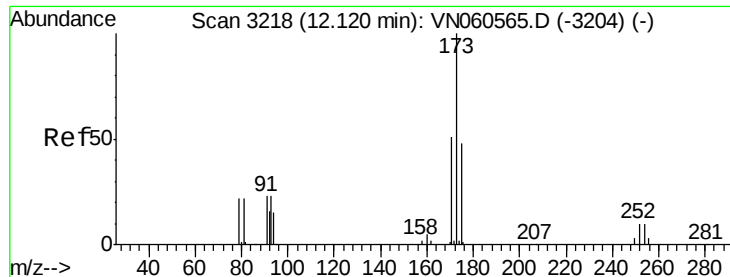


Abundance Ion 116.90 (116.60 to 117.60): VN060971.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060971.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060971.D (-2979) (-)





#71

Bromoform

Concen: 2.167 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060971.D

Acq: 15 Apr 2020 18:53

Instrument :

MSVOA_N

ClientSampleId :

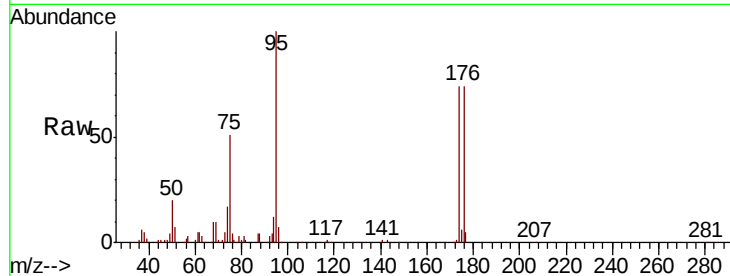
Tot Ion:173 Resp: 662

Ion Ratio Lower Upper

173 100

175 783.4 24.1 72.4#

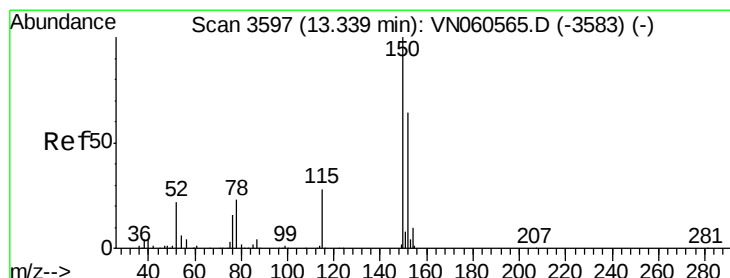
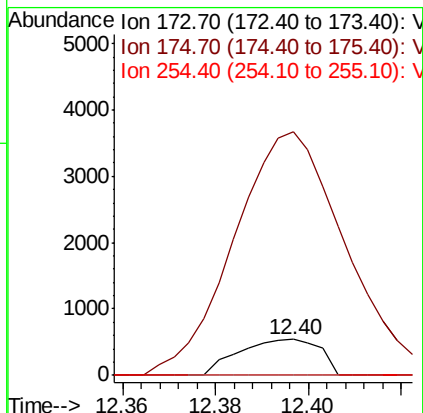
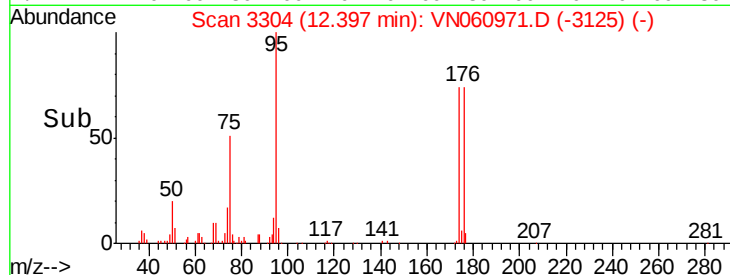
254 0.0 0.0 0.0



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: VN060971.D

Acq: 15 Apr 2020 18:53

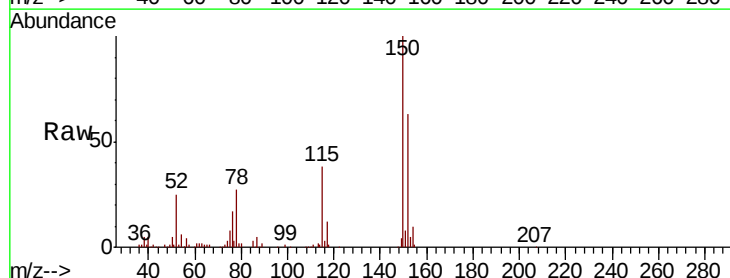
Tgt Ion:152 Resp: 97629

Ion Ratio Lower Upper

152 100

115 60.4 30.2 90.6

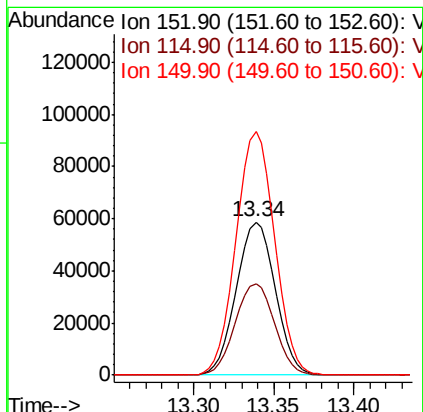
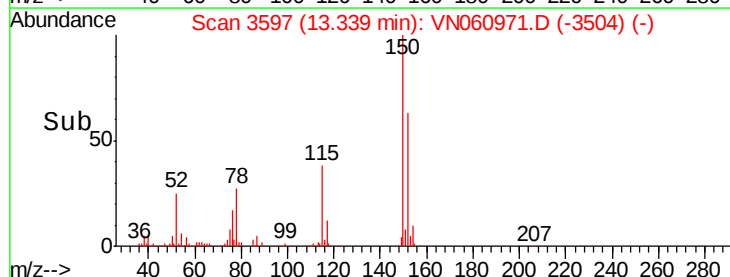
150 157.5 0.0 350.2

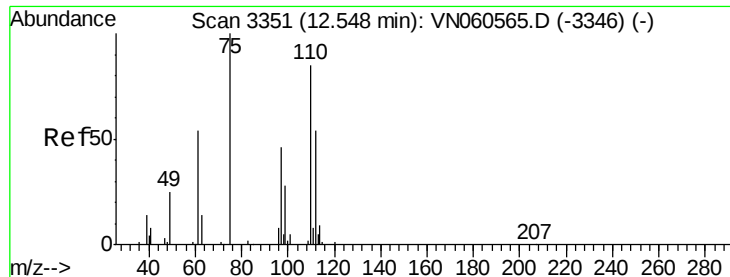


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.331 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060971.D

Acq: 15 Apr 2020 18:53

Instrument :

MSVOA_N

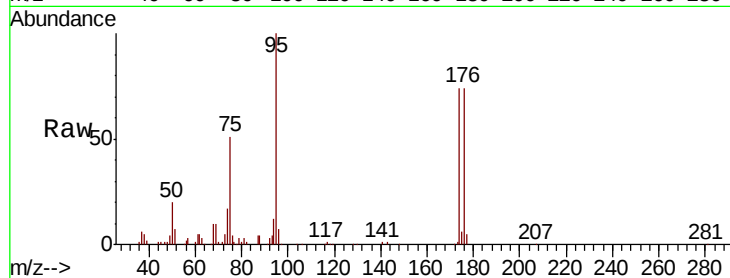
ClientSampleId :

Tot Ion: 75 Resp: 55469

Ion Ratio Lower Upper

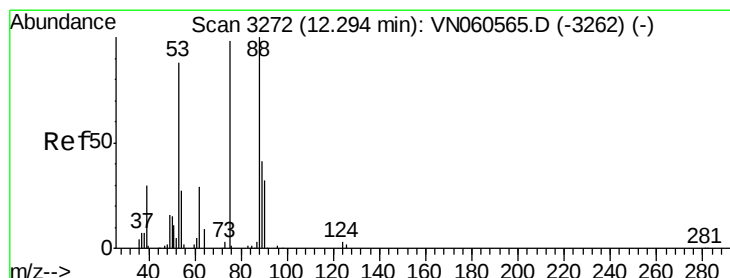
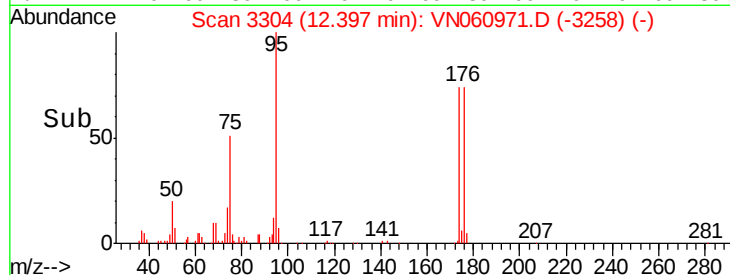
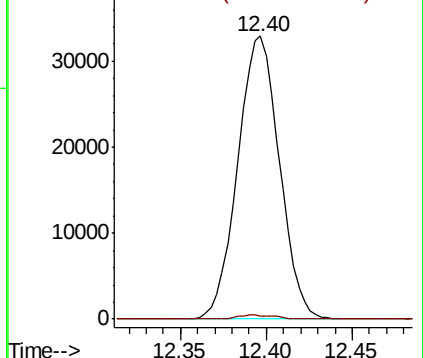
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 67.625 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060971.D

Acq: 15 Apr 2020 18:53

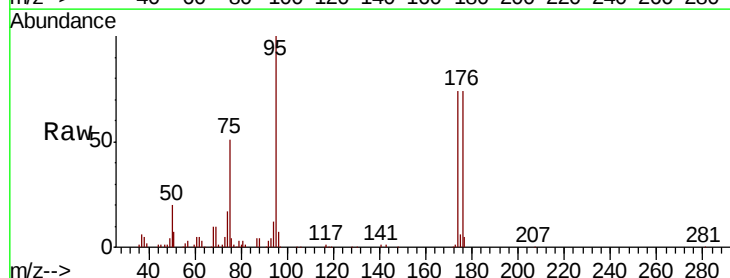
Tgt Ion: 75 Resp: 55469

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



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

