

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063658.D
 Acq On : 25 Sep 2020 4:13
 Operator : JC/MD
 Sample : L3863-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-01-092220

Quant Time: Sep 25 05:37:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	202470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	388098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	393975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	160475	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	177947	51.63	ug/l	0.00
Spiked Amount						
			Recovery	=	103.26%	
35) Dibromofluoromethane	7.55	113	127148	47.32	ug/l	0.00
Spiked Amount						
			Recovery	=	94.64%	
50) Toluene-d8	10.06	98	500257	49.52	ug/l	0.00
Spiked Amount						
			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.38	95	189019	51.04	ug/l	0.00
Spiked Amount						
			Recovery	=	102.08%	

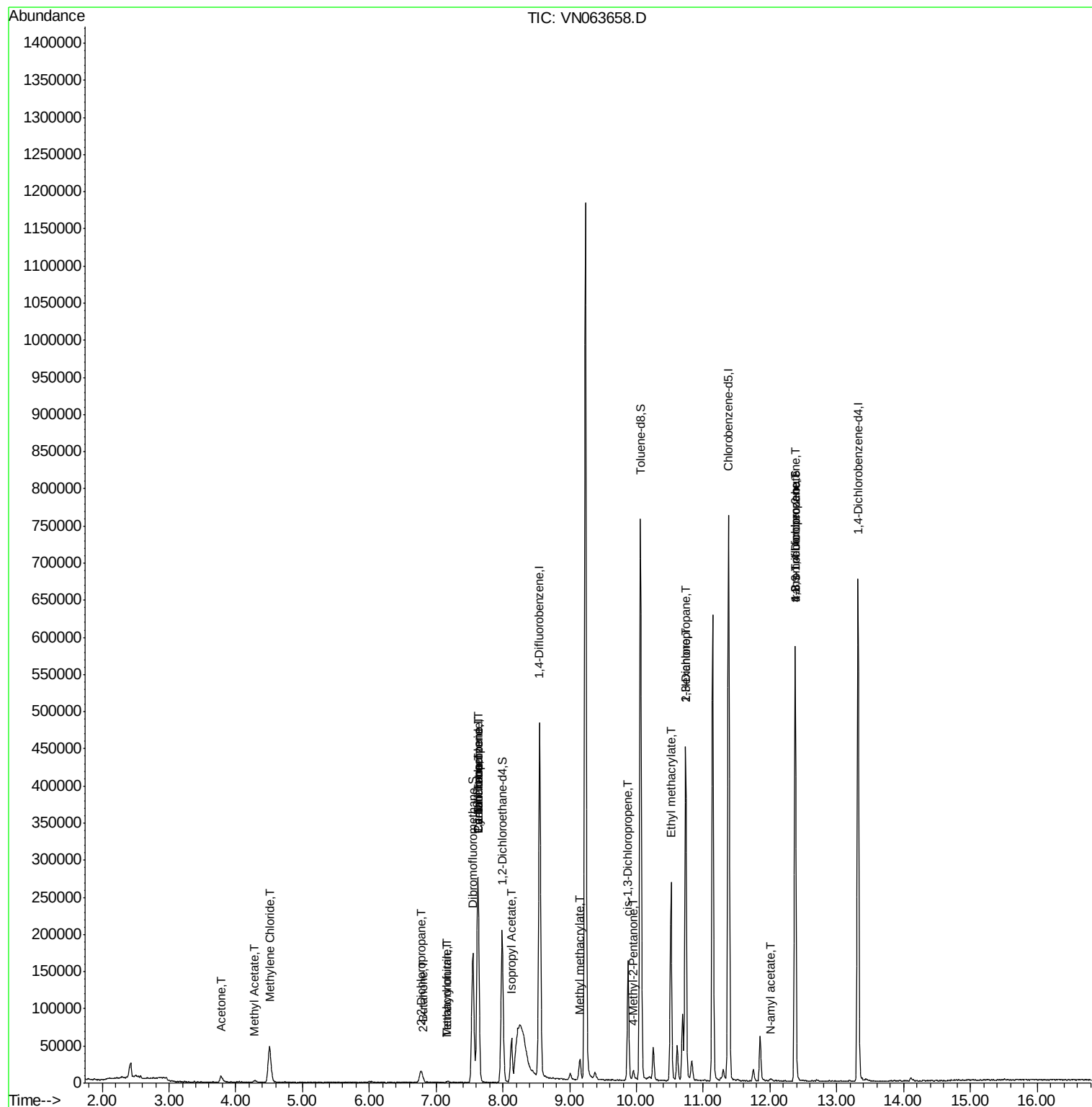
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	13356	12.058	ug/l	98
18) Methyl Acetate	4.29	43	5202	1.850	ug/l #	81
20) Methylene Chloride	4.51	84	33301	11.866	ug/l	96
25) 2-Butanone	6.81	43	3868	2.271	ug/l #	51
26) 2,2-Dichloropropane	6.78	77	898	0.203	ug/l #	55
29) Tetrahydrofuran	7.16	42	932	0.801	ug/l #	64
31) Cyclohexane	7.62	56	5668	1.191	ug/l #	24
36) 1,1-Dichloropropene	7.63	75	18036	4.362	ug/l #	51
38) Carbon Tetrachloride	7.63	117	22135	5.244	ug/l #	18
41) Methacrylonitrile	7.17	41	819	0.449	ug/l #	100
43) Isopropyl Acetate	8.13	43	69751	9.613	ug/l	99
48) Methyl methacrylate	9.15	41	5106	1.432	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	8717	2.146	ug/l	96
54) cis-1,3-Dichloropropene	9.87	75	26842	5.193	ug/l #	66
56) Ethyl methacrylate	10.51	69	1517	0.345	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	4346	0.855	ug/l #	42
59) 2-Hexanone	10.74	43	73011	24.809	ug/l #	55
74) N-amyl acetate	12.00	43	2986	0.491	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	108734	27.375	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	108734	75.053	ug/l #	7

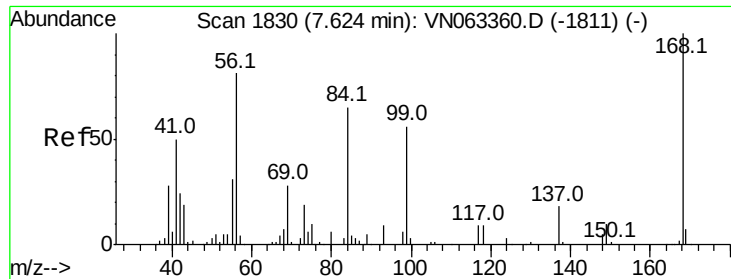
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

Instrument :

MSVOA_N

ClientSampleId :

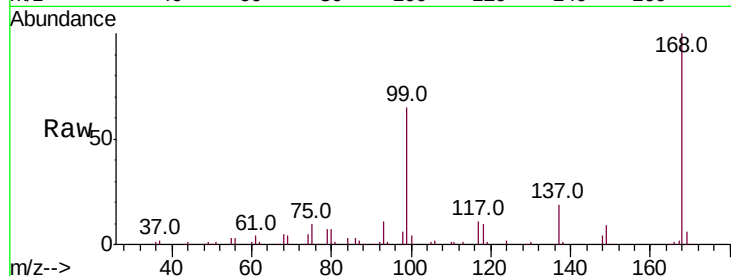
HD-01-092220

Tot Ion:168 Resp: 202470

Ion Ratio Lower Upper

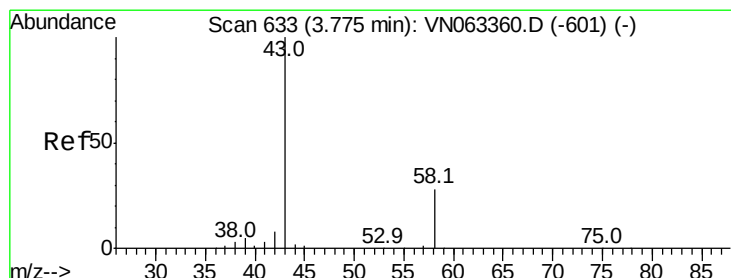
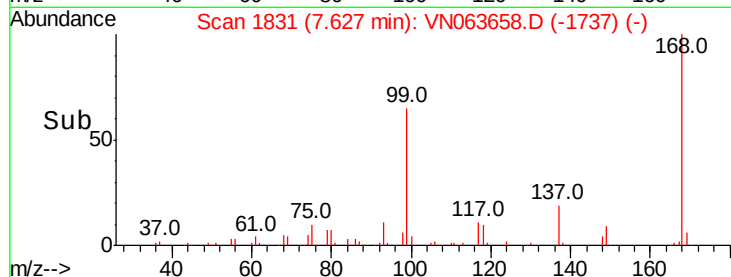
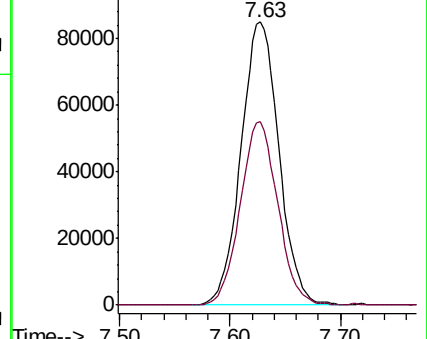
168 100

99 64.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 12.058 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063658.D

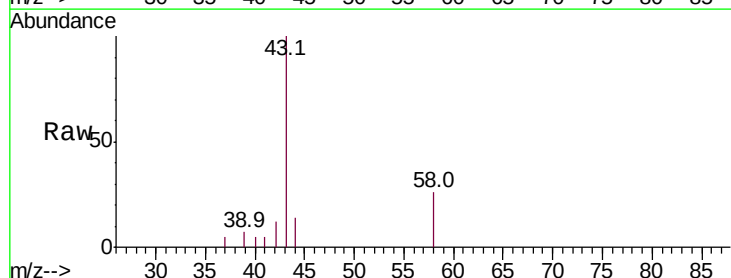
Acq: 25 Sep 2020 4:13

Tgt Ion: 43 Resp: 13356

Ion Ratio Lower Upper

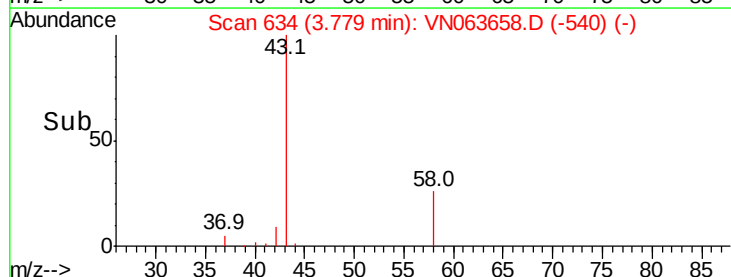
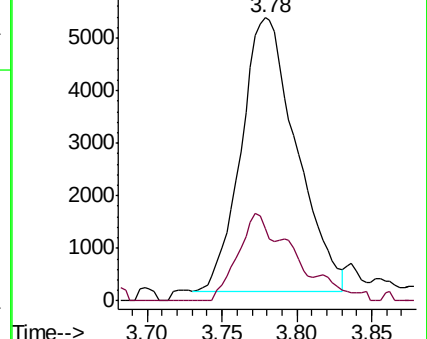
43 100

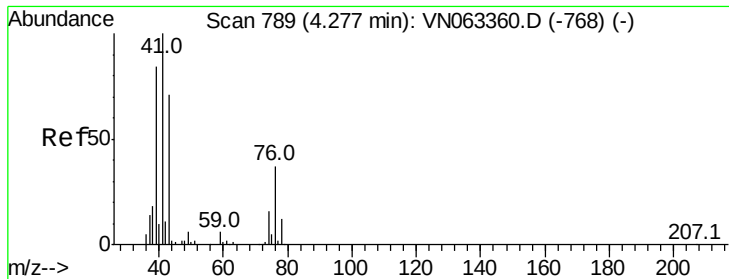
58 26.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

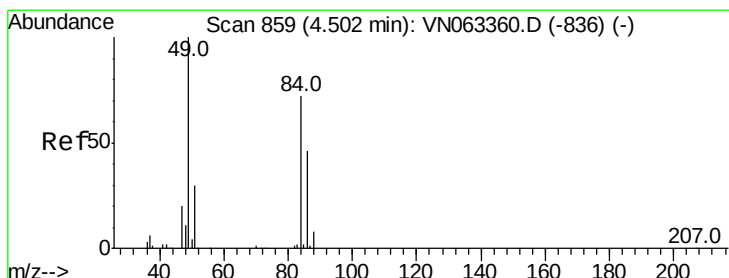
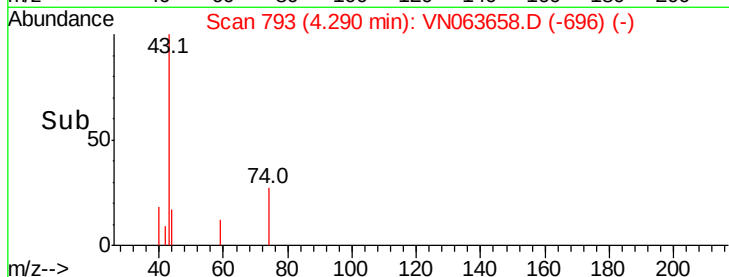
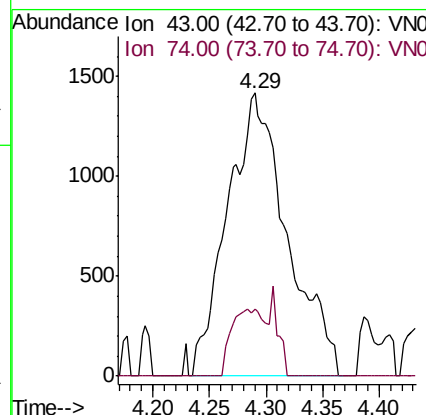
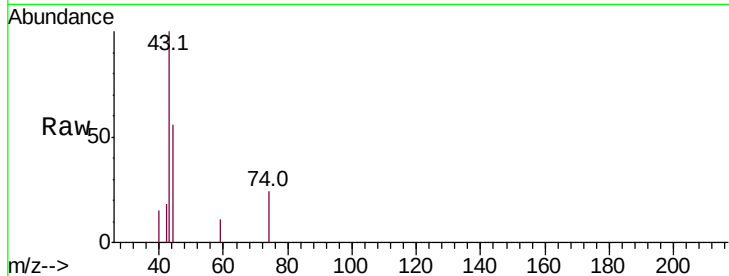




#18
Methvl Acetate
Concen: 1.850 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN063658.D
Acq: 25 Sep 2020 4:13

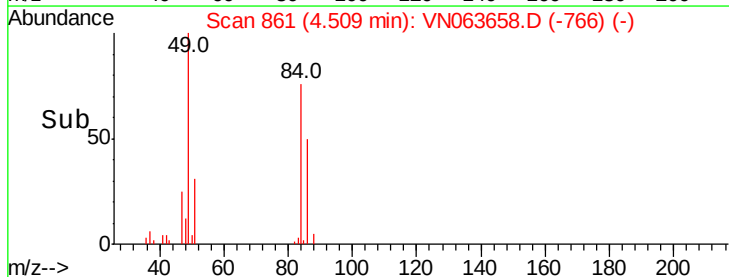
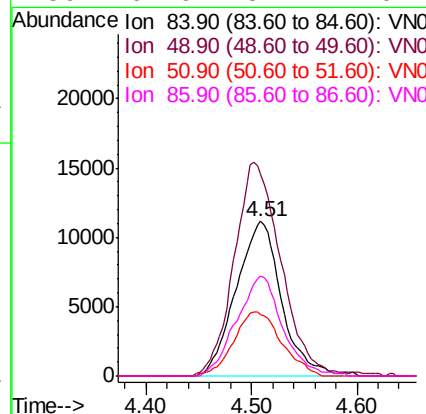
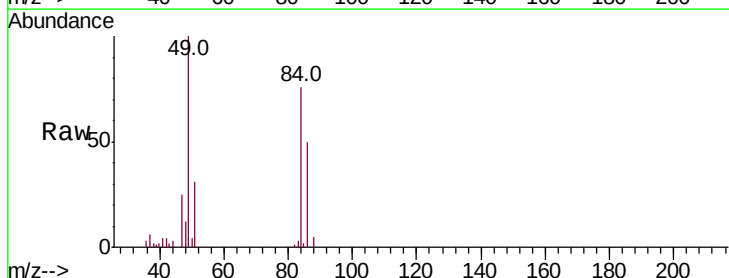
Instrument :
MSVOA_N
ClientSampleId :
HD-01-092220

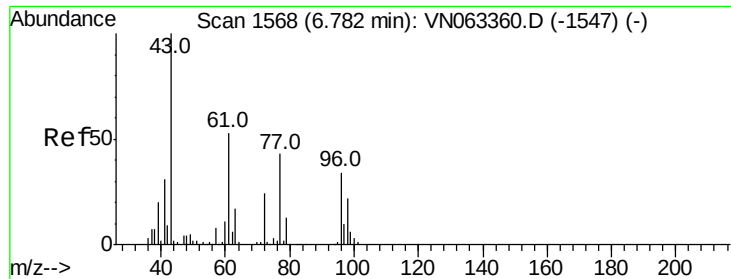
Tot Ion: 43 Resp: 5202
Ion Ratio Lower Upper
43 100
74 12.7 17.4 26.2#



#20
Methylene Chloride
Concen: 11.866 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063658.D
Acq: 25 Sep 2020 4:13

Tgt Ion: 84 Resp: 33301
Ion Ratio Lower Upper
84 100
49 130.9 110.7 166.1
51 40.1 32.9 49.3
86 64.9 51.1 76.7

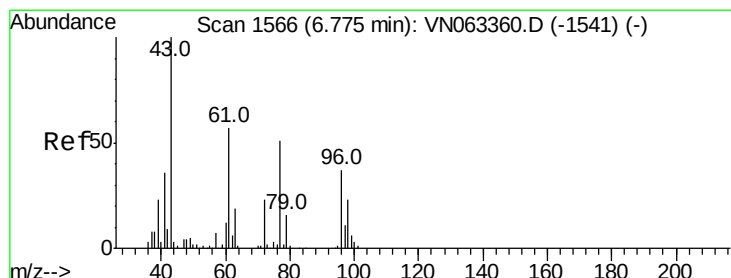
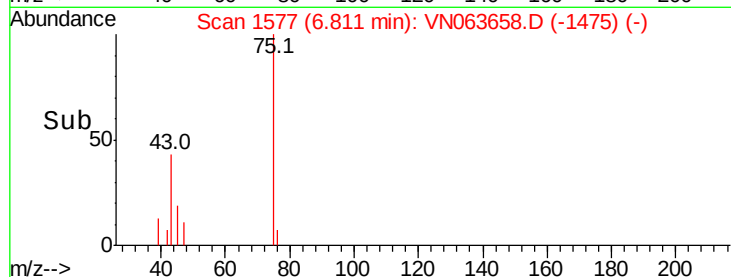
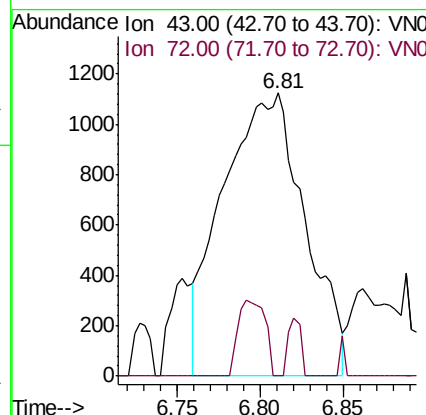
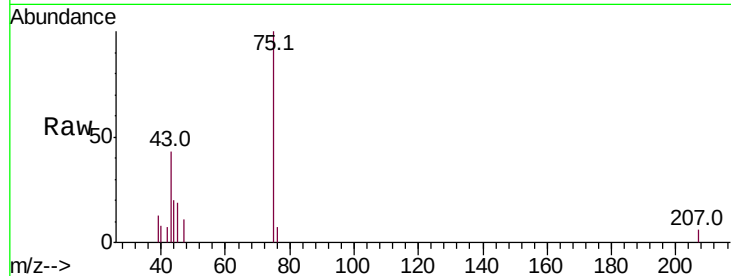




#25
 2-Butanone
 Concen: 2.271 ug/l
 RT: 6.81 min Scan# 1577
 Delta R.T. 0.03 min
 Lab File: VN063658.D
 Acq: 25 Sep 2020 4:13

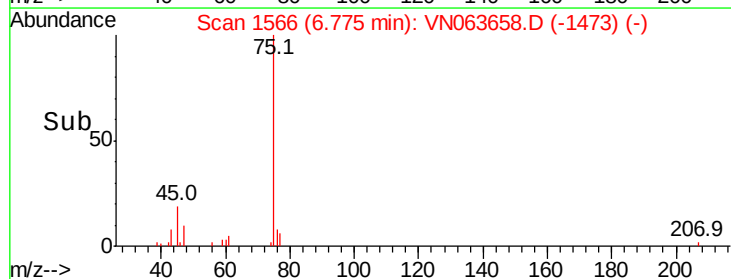
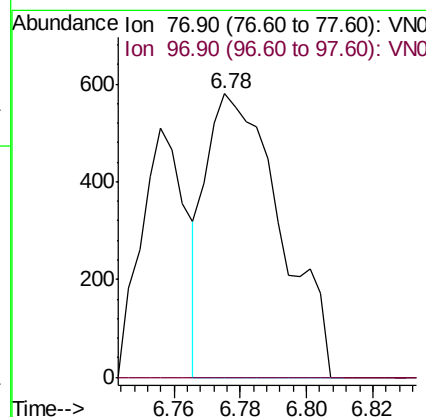
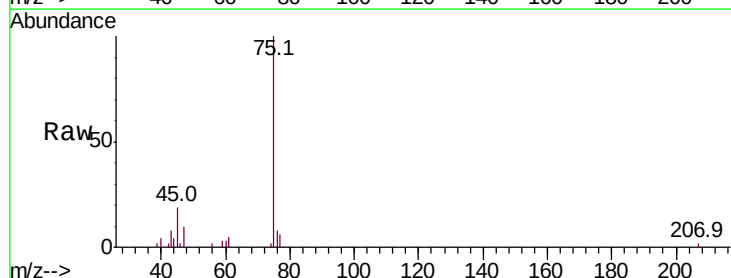
Instrument :
 MSVOA_N
 ClientSampled :
 HD-01-092220

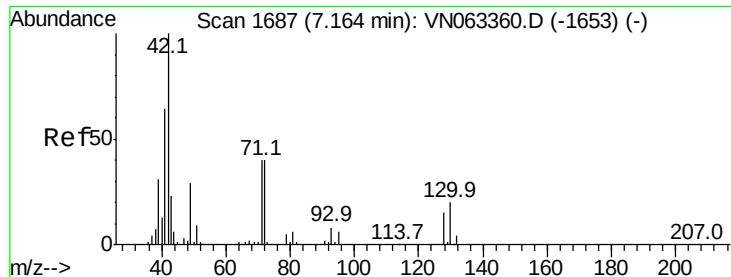
Tot Ion: 43 Resp: 3868
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.2 28.8#



#26
 2,2-Dichloropropane
 Concen: 0.203 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN063658.D
 Acq: 25 Sep 2020 4:13

Tgt Ion: 77 Resp: 898
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.5 31.6#





#29

Tetrahydrofuran

Concen: 0.801 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

Instrument :

MSVOA_N

ClientSampleId :

HD-01-092220

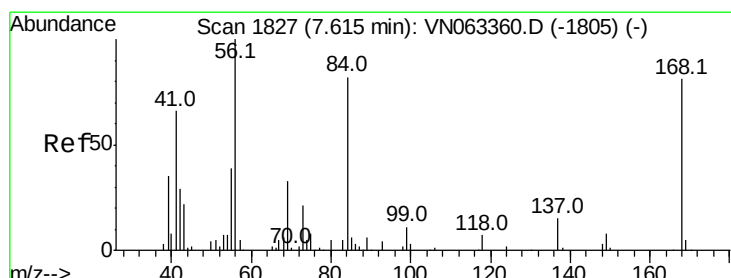
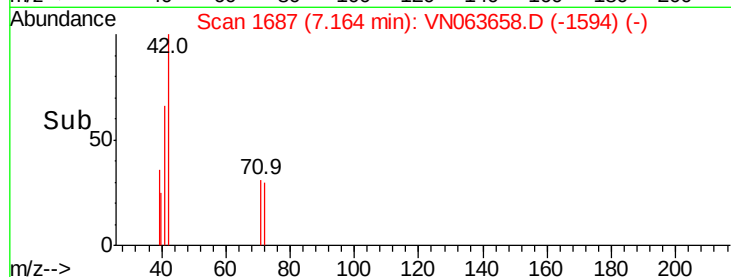
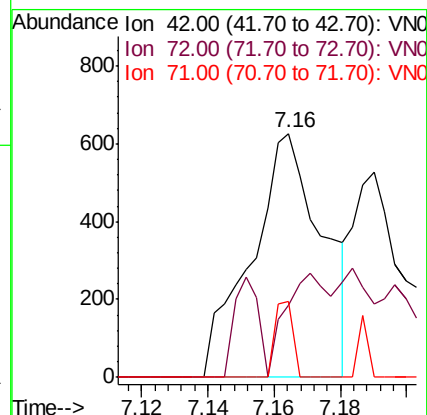
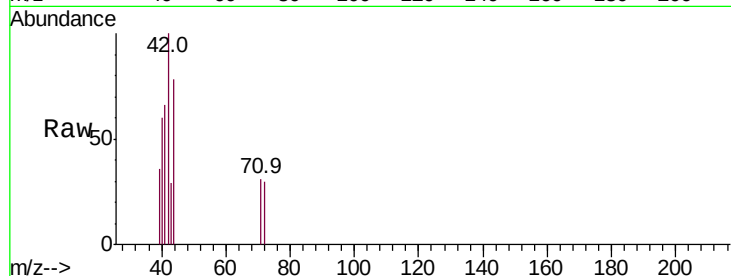
Tot Ion: 42 Resp: 932

Ion Ratio Lower Upper

42 100

72 26.6 32.1 48.1#

71 7.9 31.2 46.8#



#31

Cyclohexane

Concen: 1.191 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

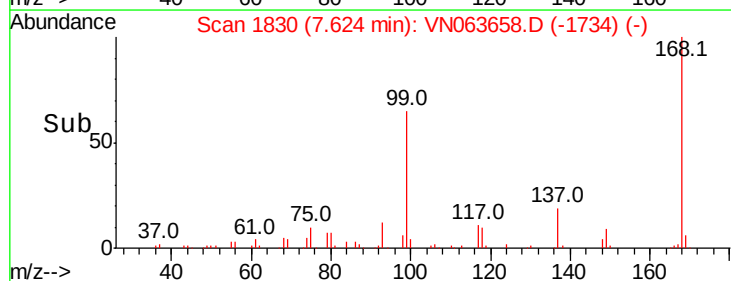
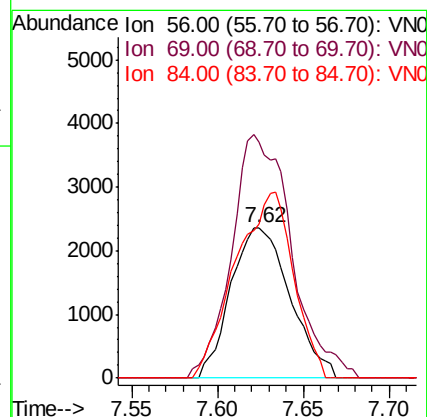
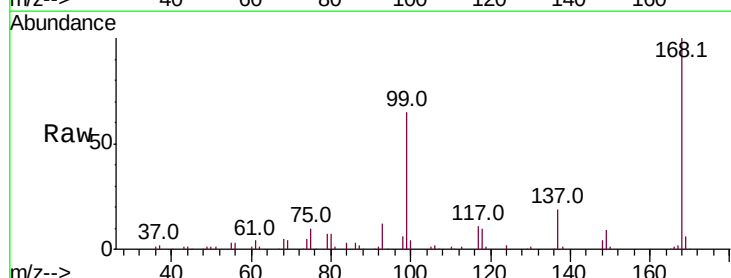
Tgt Ion: 56 Resp: 5668

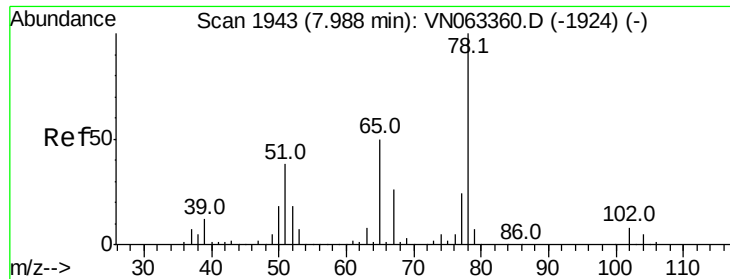
Ion Ratio Lower Upper

56 100

69 150.0 26.1 39.1#

84 102.3 65.4 98.2#

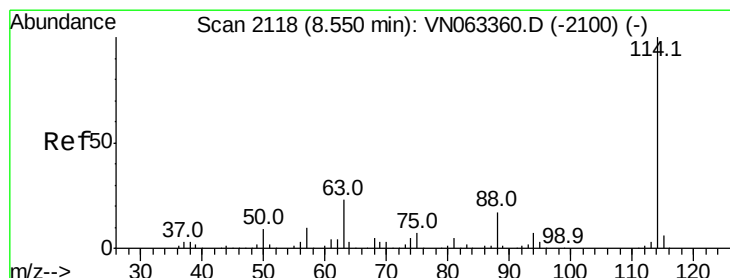
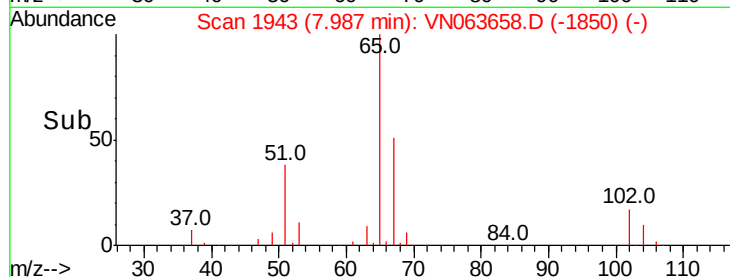
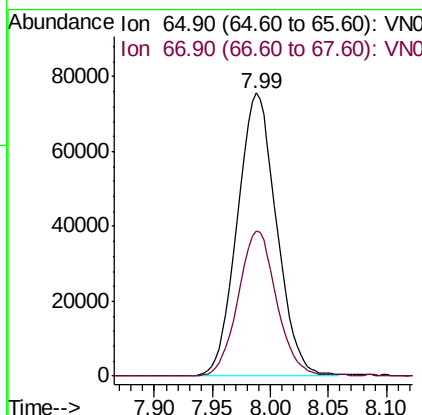
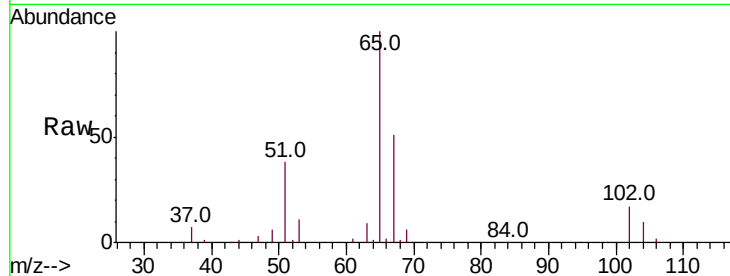




#33
 1,2-Dichloroethane-d4
 Concen: 51.630 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063658.D
 Acq: 25 Sep 2020 4:13

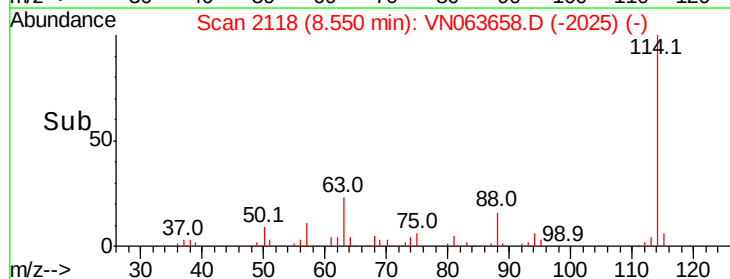
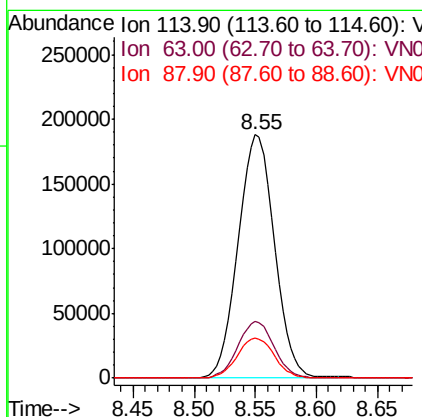
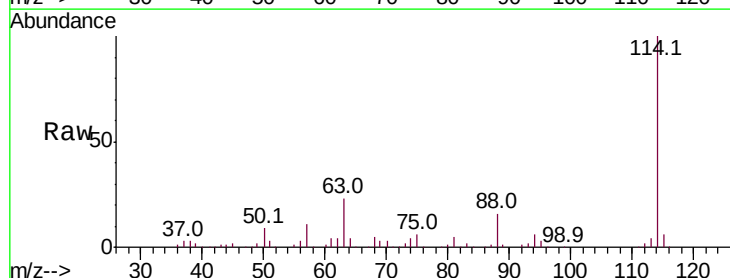
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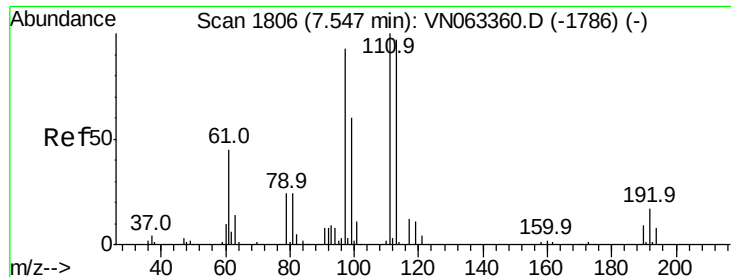
Tot Ion: 65 Resp: 177947
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063658.D
 Acq: 25 Sep 2020 4:13

Tgt Ion: 114 Resp: 388098
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 46.4
 88 16.3 0.0 33.2

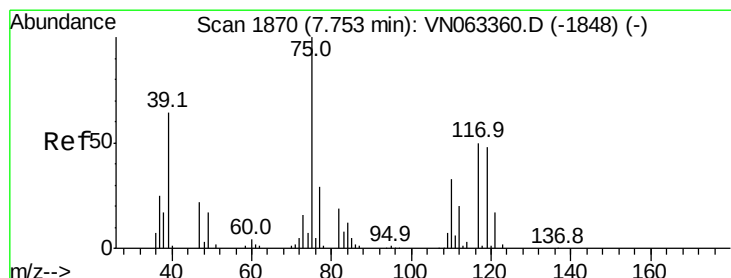
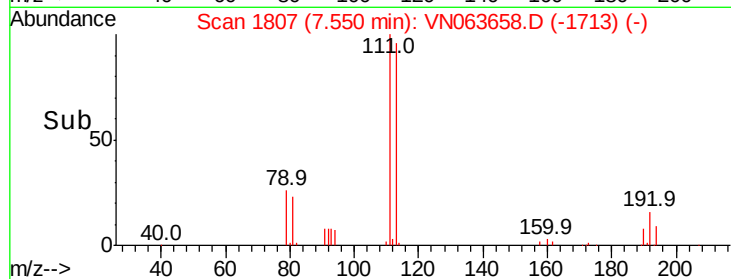
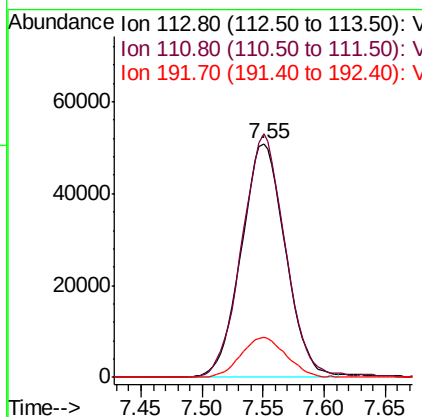
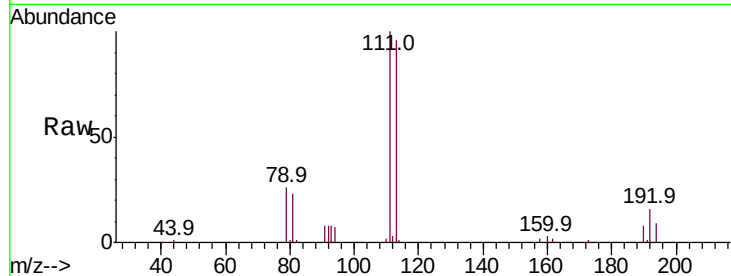




#35
 Dibromofluoromethane
 Concen: 47.325 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063658.D
 Acq: 25 Sep 2020 4:13

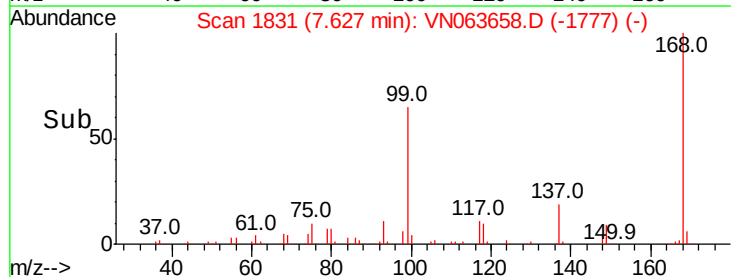
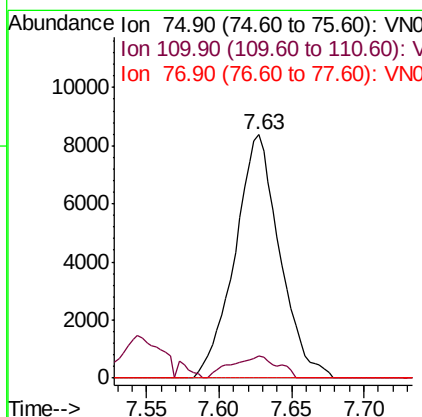
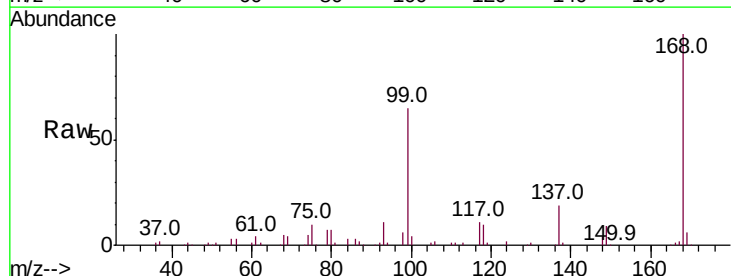
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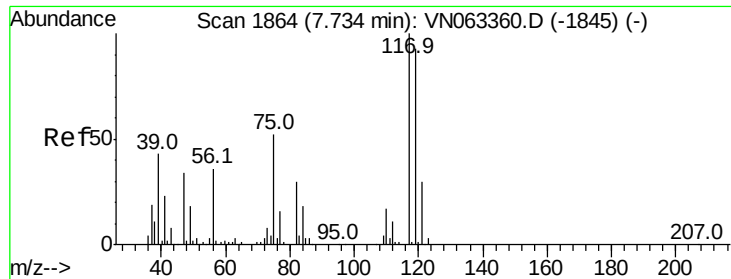
Tot Ion:113 Resp: 127148
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.9 124.3
 192 17.6 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.362 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063658.D
 Acq: 25 Sep 2020 4:13

Tgt Ion: 75 Resp: 18036
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.5 49.5#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.244 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

Instrument :

MSVOA_N

ClientSampleId :

HD-01-092220

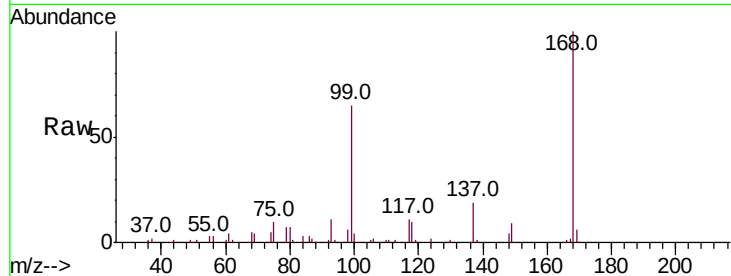
Tot Ion:117 Resp: 22135

Ion Ratio Lower Upper

117 100

119 6.4 74.5 111.7#

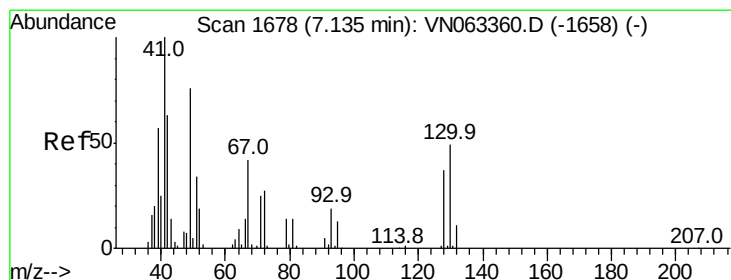
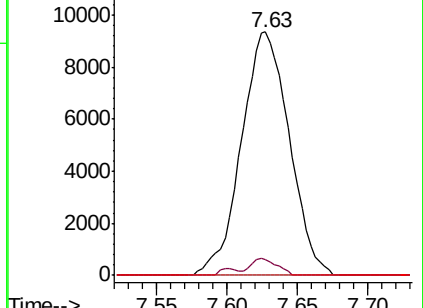
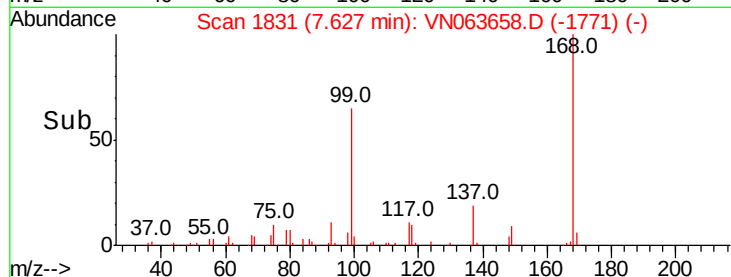
121 0.0 24.1 36.1#



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



#41

Methacrylonitrile

Concen: 0.449 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.04 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

Tgt Ion: 41 Resp: 819

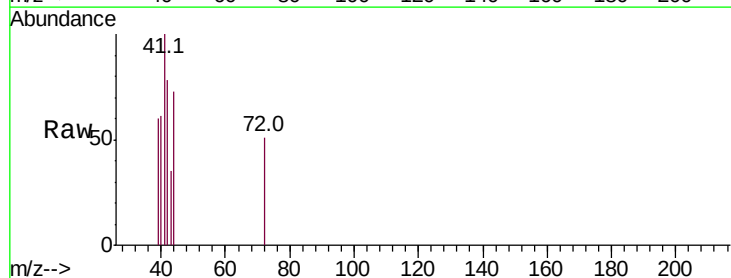
Ion Ratio Lower Upper

41 100

39 57.1 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

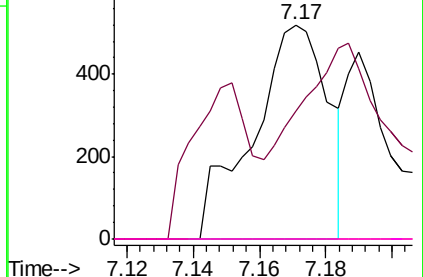
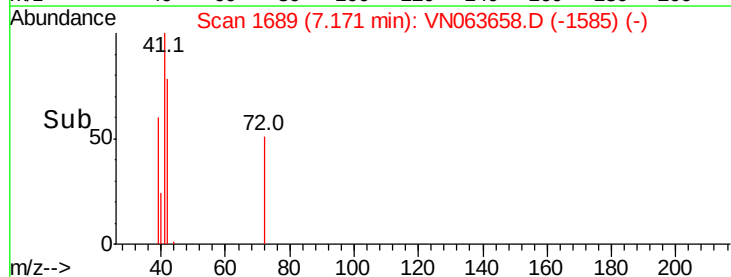


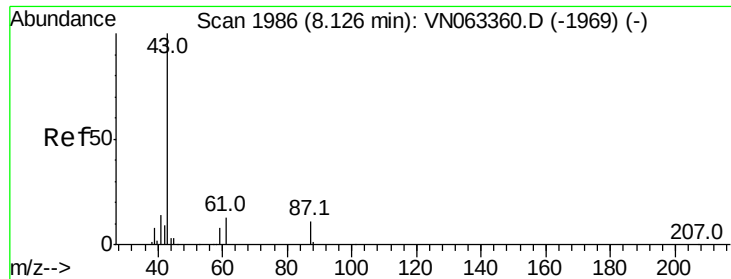
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 9.613 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

Instrument :

MSVOA_N

ClientSampleId :

HD-01-092220

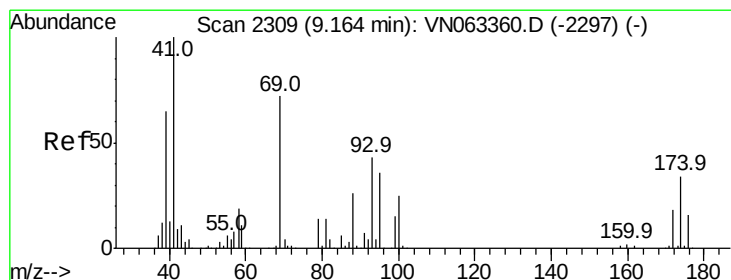
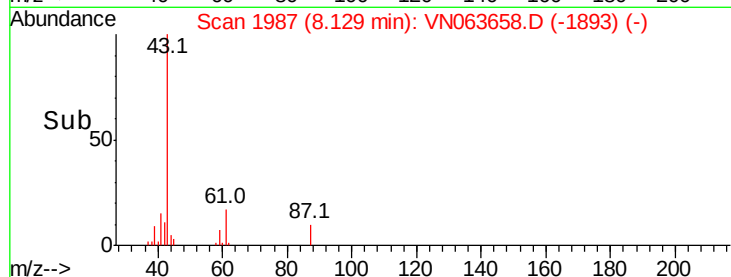
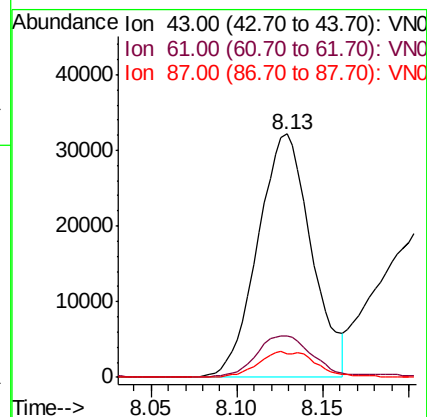
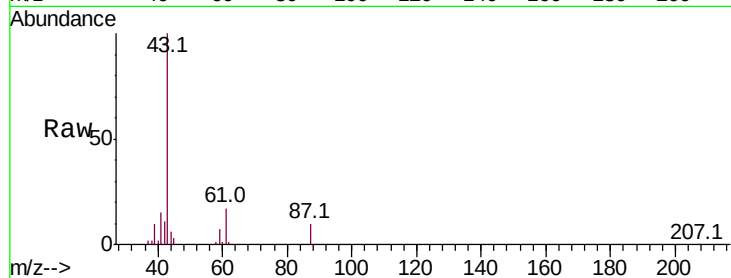
Tot Ion: 43 Resp: 69751

Ion Ratio Lower Upper

43 100

61 18.2 14.2 21.2

87 11.4 9.0 13.6



#48

Methyl methacrylate

Concen: 1.432 ug/l

RT: 9.15 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

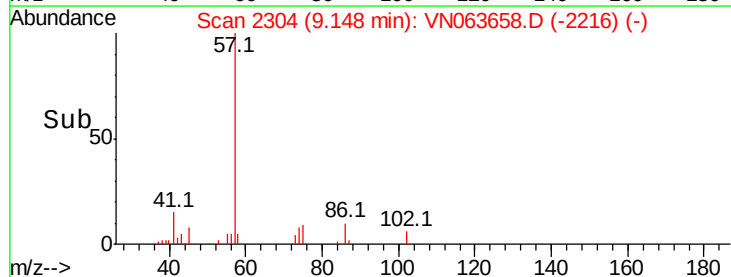
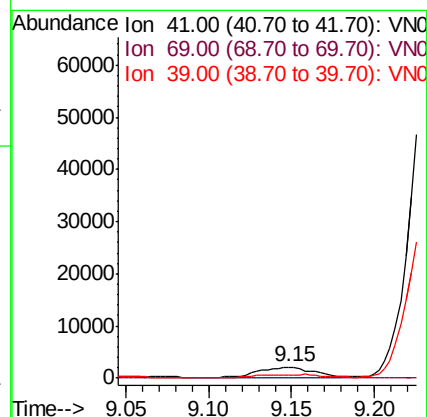
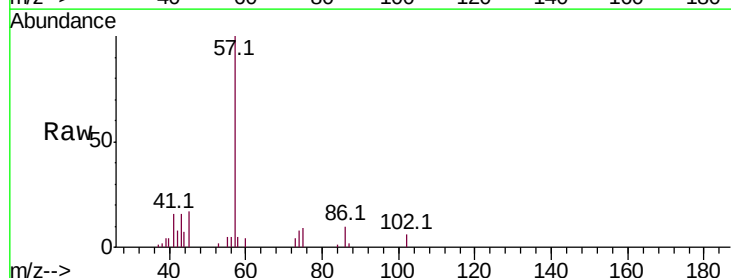
Tgt Ion: 41 Resp: 5106

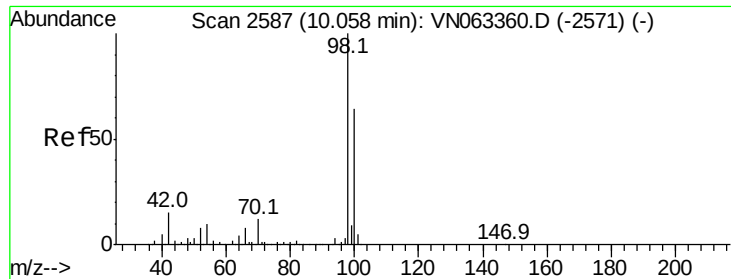
Ion Ratio Lower Upper

41 100

69 0.0 59.3 88.9#

39 0.0 52.9 79.3#





#50

Toluene-d8

Concen: 49.518 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

Instrument :

MSVOA_N

ClientSampleId :

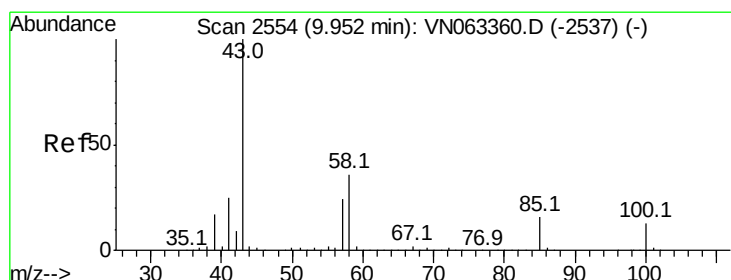
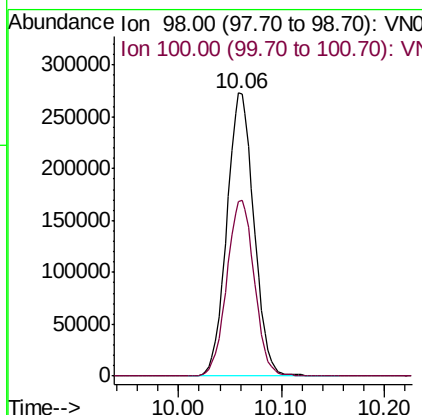
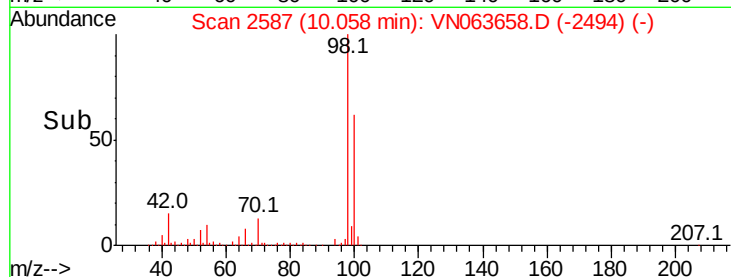
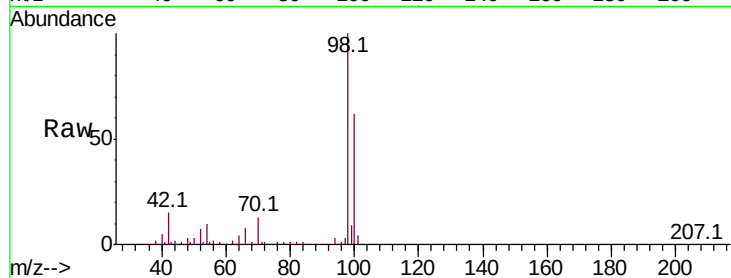
HD-01-092220

Tot Ion: 98 Resp: 500257

Ion Ratio Lower Upper

98 100

100 63.3 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 2.146 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063658.D

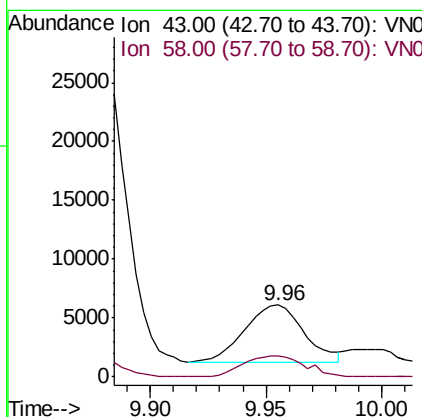
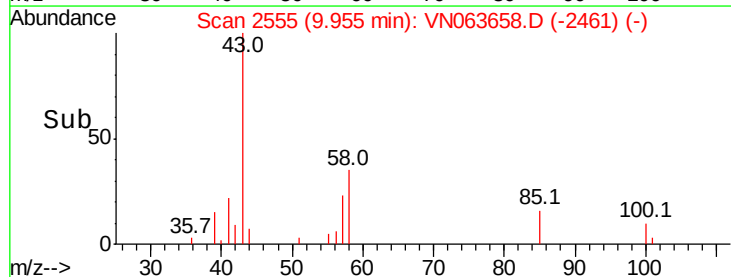
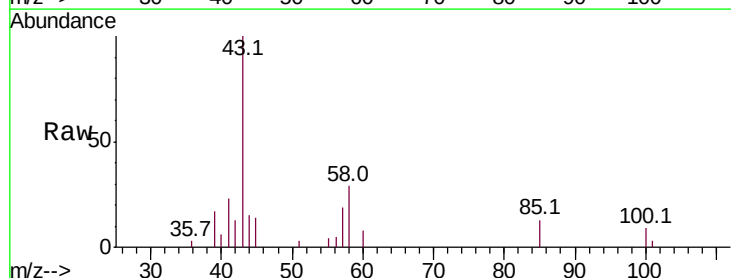
Acq: 25 Sep 2020 4:13

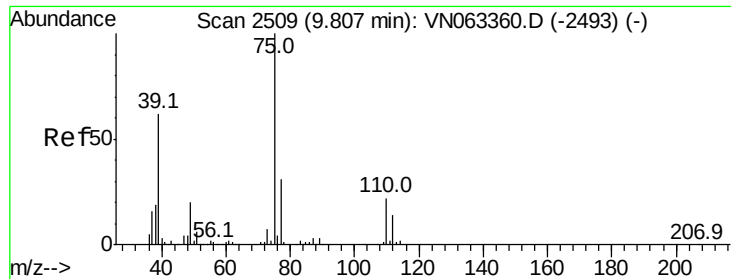
Tgt Ion: 43 Resp: 8717

Ion Ratio Lower Upper

43 100

58 38.4 29.0 43.6





#54

cis-1,3-Dichloropropene

Concen: 5.193 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

Instrument :

MSVOA_N

ClientSampleId :

HD-01-092220

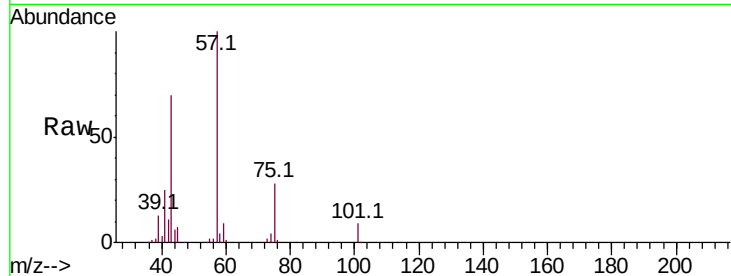
Tot Ion: 75 Resp: 26842

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

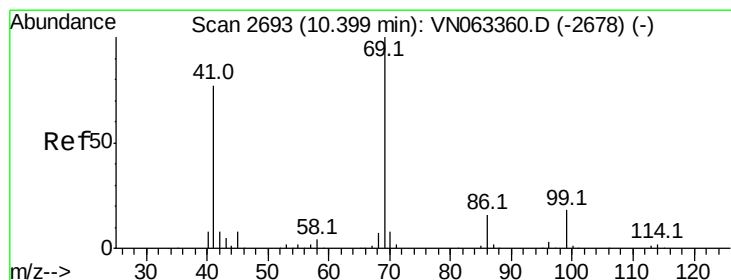
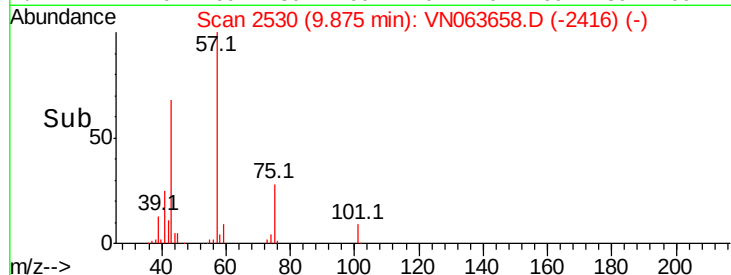
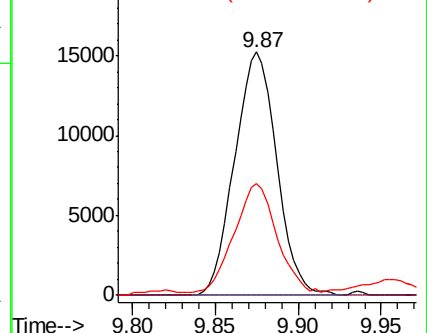
39 44.7 49.8 74.8#



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: 0.345 ug/l

RT: 10.51 min Scan# 2728

Delta R.T. 0.11 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

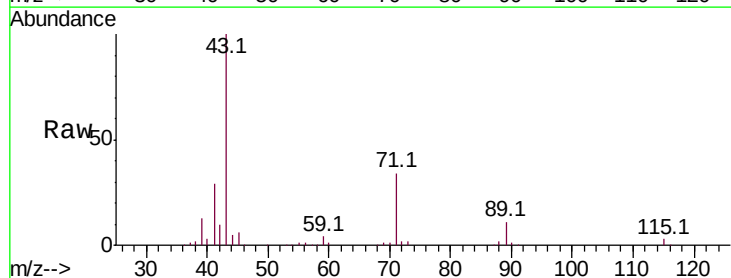
Tgt Ion: 69 Resp: 1517

Ion Ratio Lower Upper

69 100

41 3829.0 61.0 91.6#

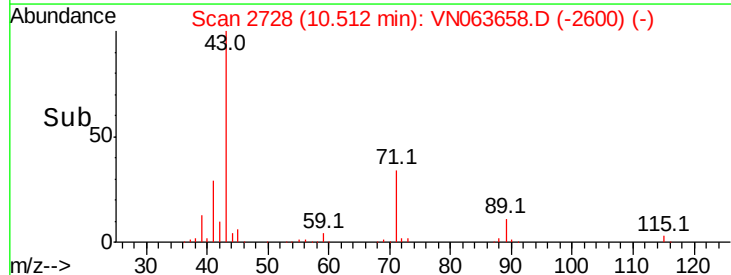
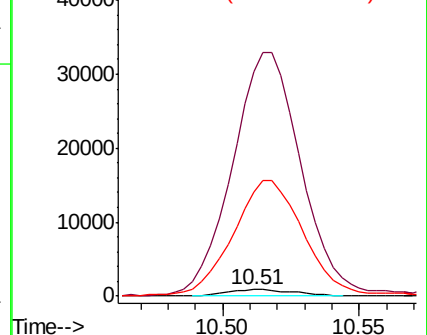
39 1877.4 39.2 58.8#

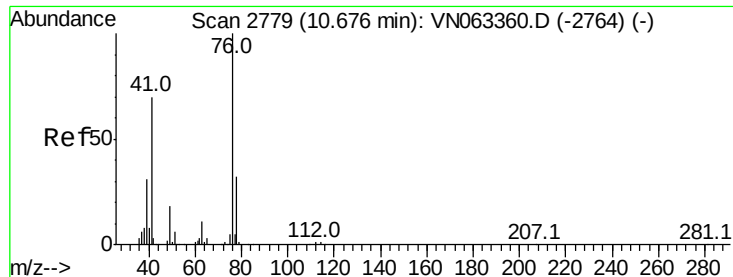


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.855 ug/l

RT: 10.74 min Scan# 2799

Delta R.T. 0.06 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

Instrument :

MSVOA_N

ClientSampleId :

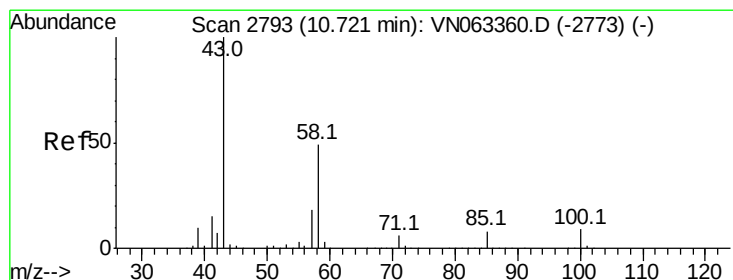
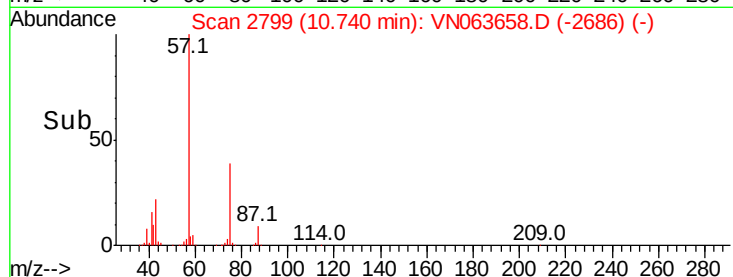
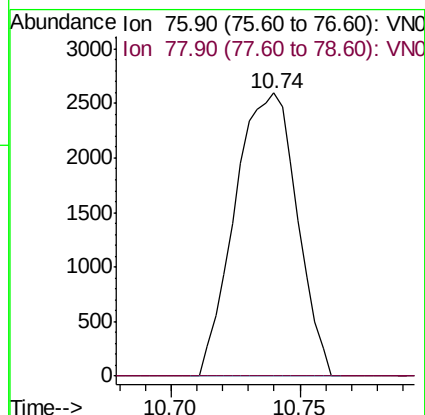
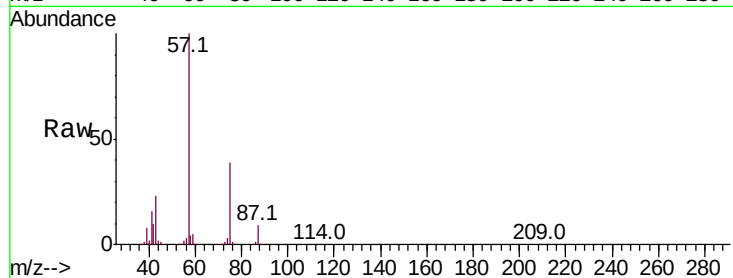
HD-01-092220

Tot Ion: 76 Resp: 4346

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 24.809 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063658.D

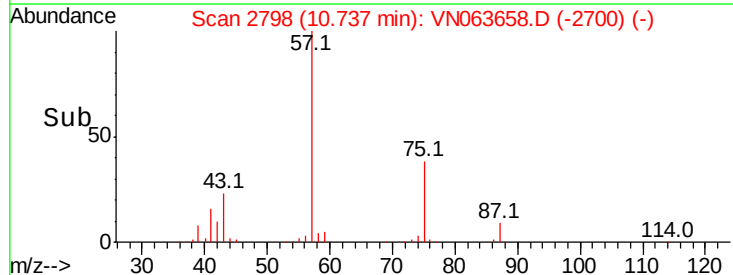
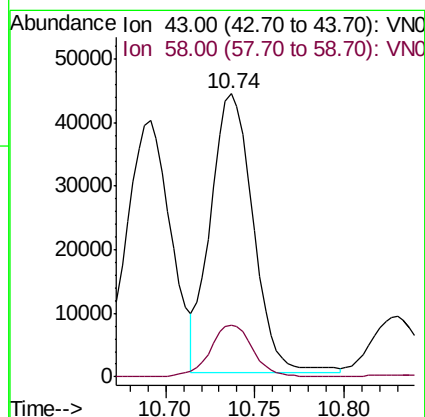
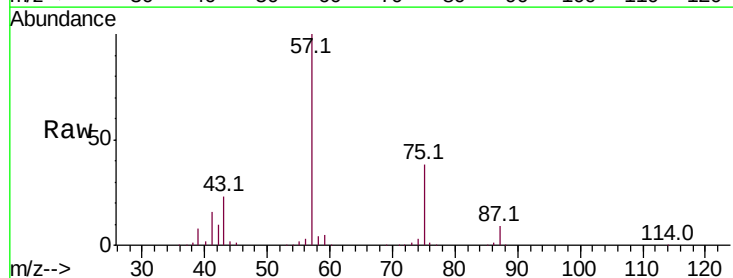
Acq: 25 Sep 2020 4:13

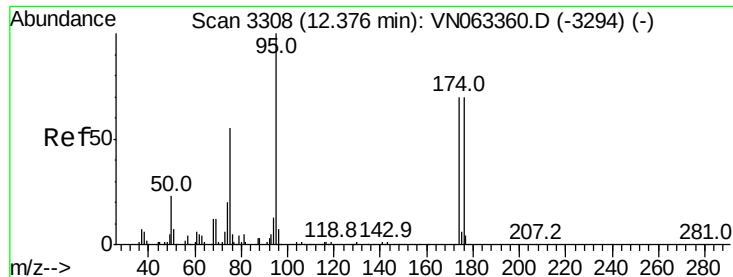
Tgt Ion: 43 Resp: 73011

Ion Ratio Lower Upper

43 100

58 18.6 24.7 74.1#





#62

4-Bromofluorobenzene

Concen: 51.039 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

Instrument :

MSVOA_N

ClientSampled :

HD-01-092220

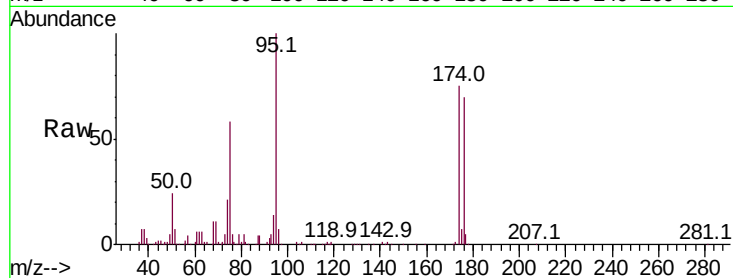
Tot Ion: 95 Resp: 189019

Ion Ratio Lower Upper

95 100

174 74.2 0.0 140.8

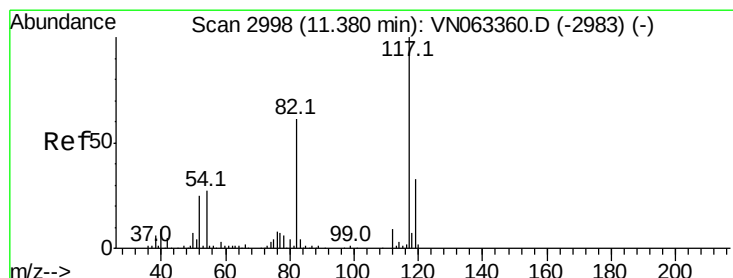
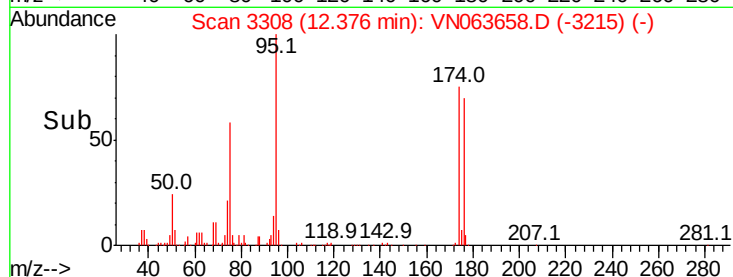
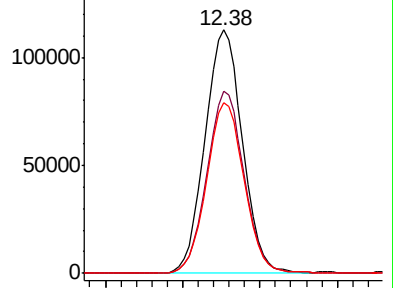
176 70.6 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

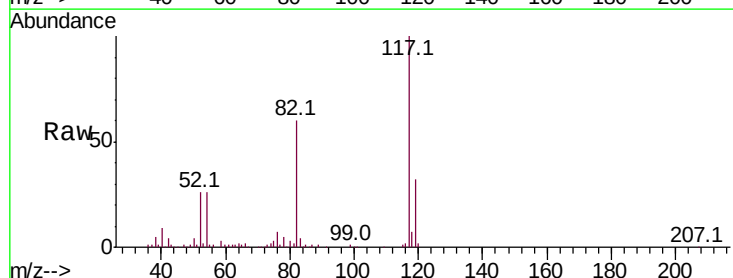
Tgt Ion: 117 Resp: 393975

Ion Ratio Lower Upper

117 100

82 60.3 49.2 73.8

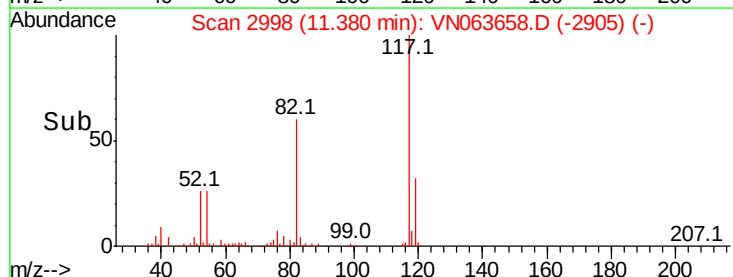
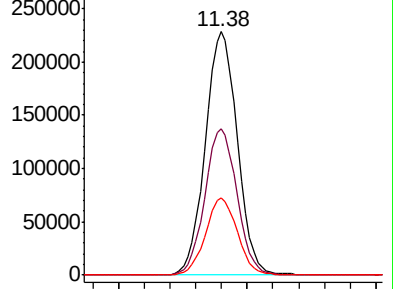
119 31.9 26.2 39.4

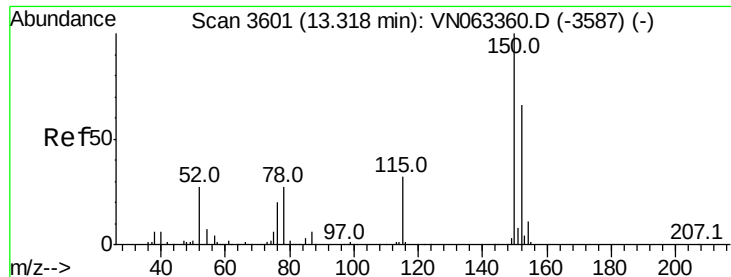


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063360.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063360.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

Instrument :

MSVOA_N

ClientSampleId :

HD-01-092220

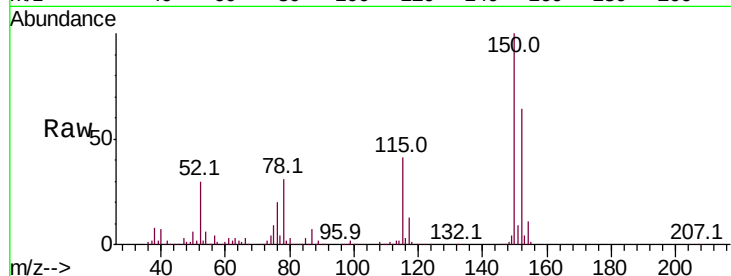
Tot Ion:152 Resp: 160475

Ion Ratio Lower Upper

152 100

115 64.1 32.2 96.6

150 159.2 0.0 343.4

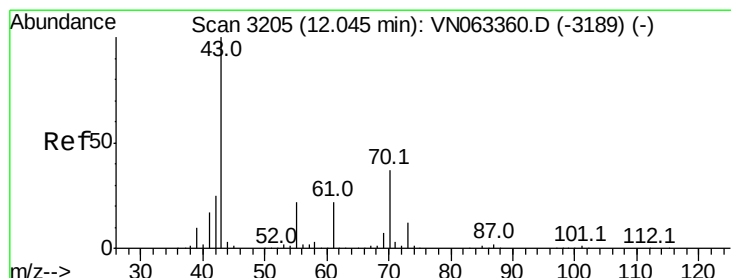
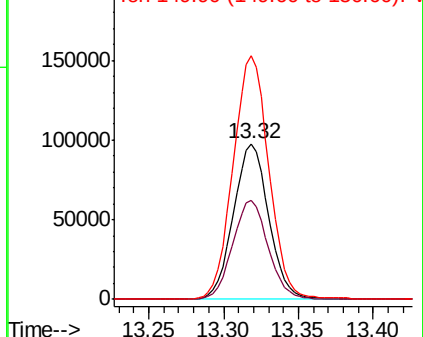
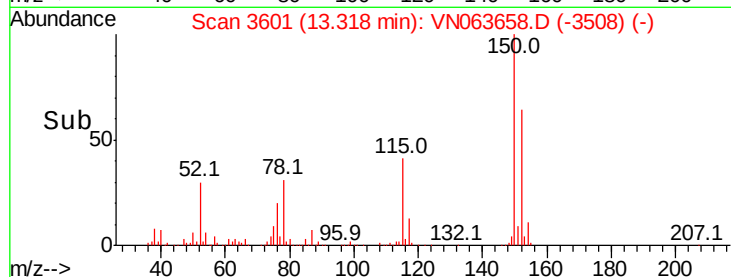


Abundance

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-ethyl acetate

Concen: 0.491 ug/l

RT: 12.00 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

Tgt Ion: 43 Resp: 2986

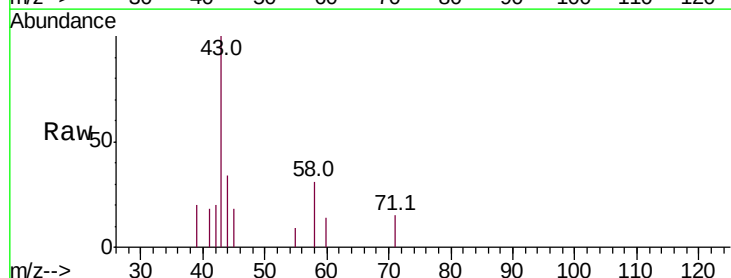
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 5.8 17.7 26.5#

61 0.0 17.4 26.2#



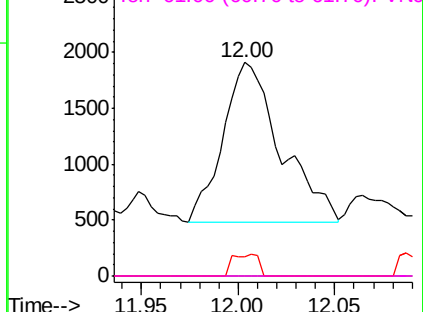
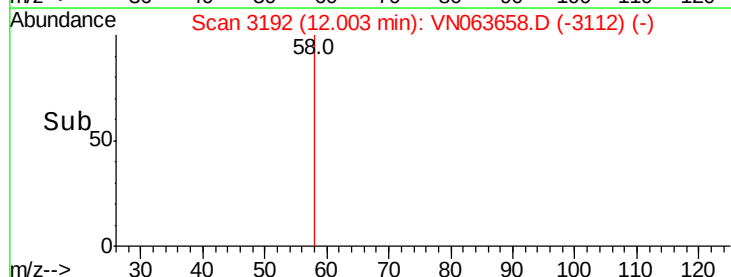
Abundance

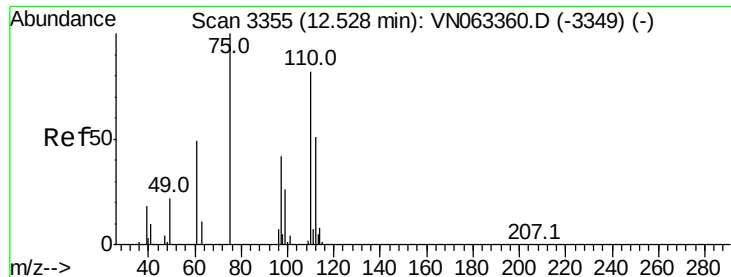
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 27.375 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

Instrument :

MSVOA_N

ClientSampleId :

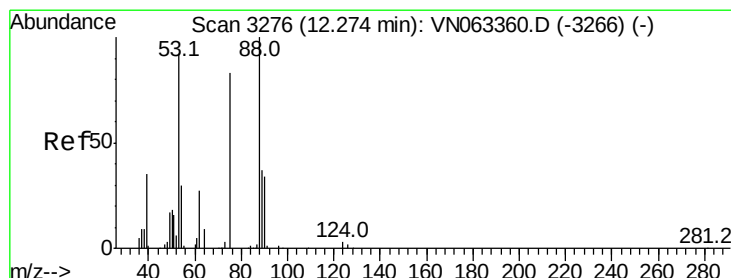
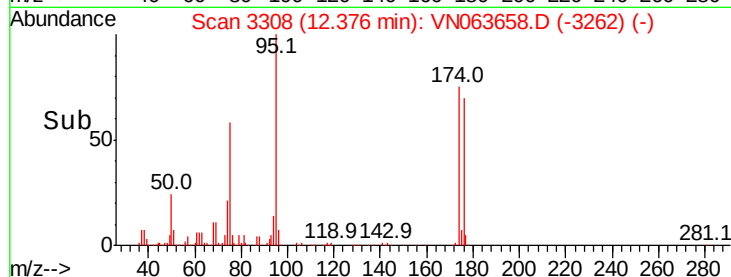
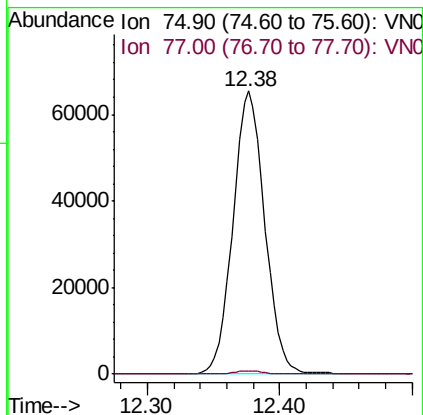
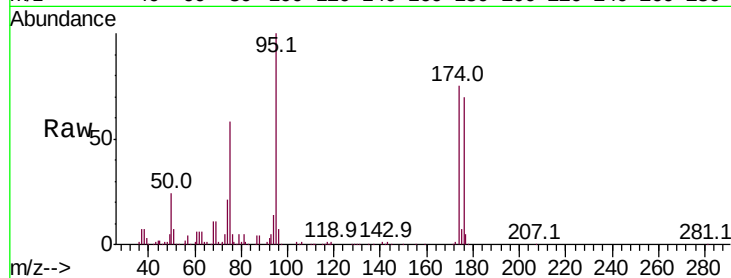
HD-01-092220

Tot Ion: 75 Resp: 108734

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.053 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063658.D

Acq: 25 Sep 2020 4:13

Tgt Ion: 75 Resp: 108734

Ion Ratio Lower Upper

75 100

53 0.2 85.7 128.5#

89 0.0 38.0 57.0#

