

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081420\
 Data File : VN062965.D
 Acq On : 15 Aug 2020 4:12
 Operator : JC/MD
 Sample : L3682-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20200517-2801-E

Quant Time: Aug 17 09:35:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	131318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	236680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	250460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	88152	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	110646	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
35) Dibromofluoromethane	7.55	113	81782	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	10.06	98	329364	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.38	95	112862	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	

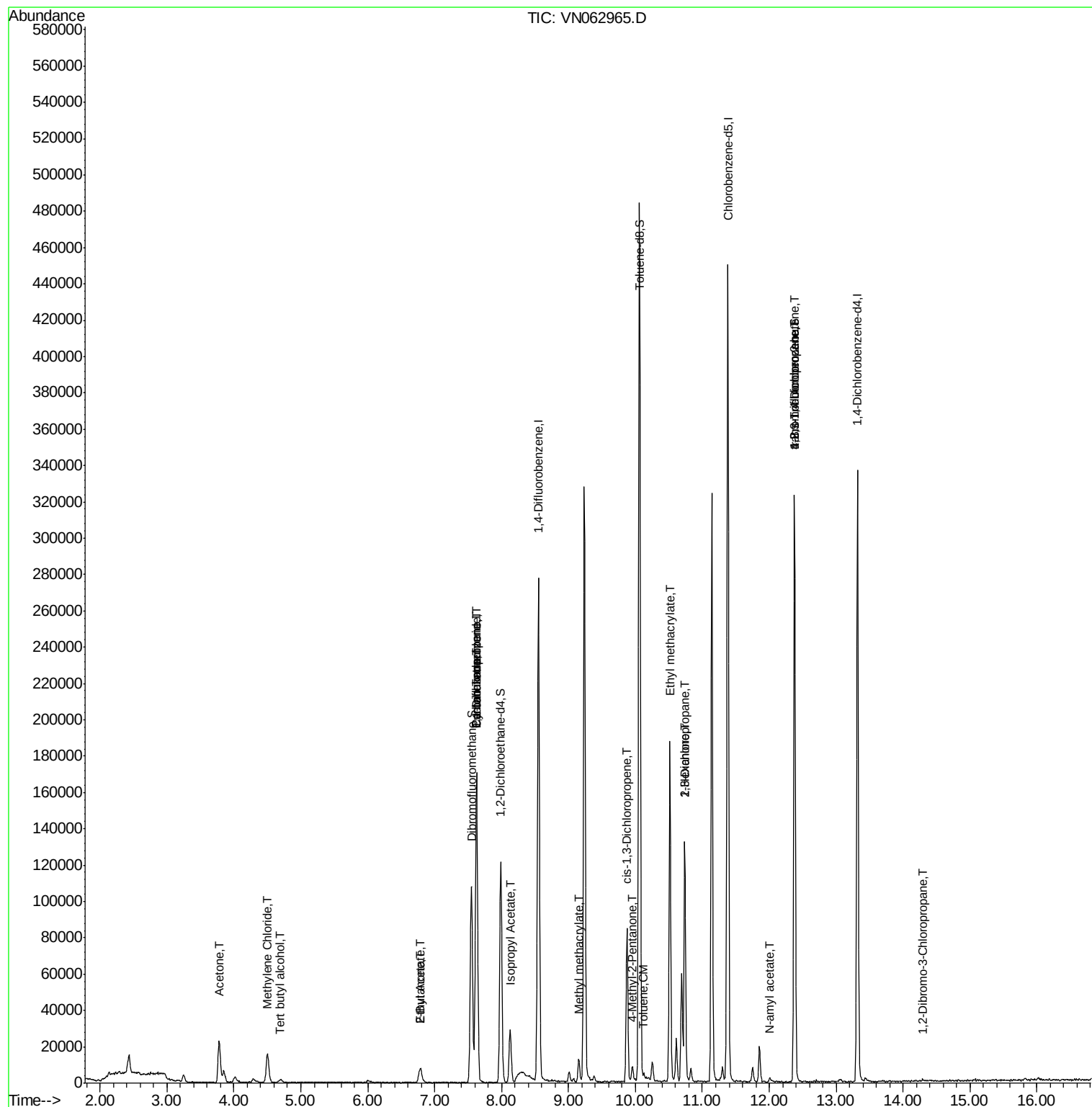
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	1321	3.712	ug/l #	72
16) Acetone	3.78	43	39328	50.120	ug/l	99
17) Carbon Disulfide	4.00	76	2507	Below Cal	#	74
18) Methyl Acetate	4.28	43	1866	Below Cal	#	52
20) Methylene Chloride	4.50	84	12338	7.953	ug/l	97
25) 2-Butanone	6.80	43	7570	6.812	ug/l	97
31) Cyclohexane	7.62	56	3009	1.143	ug/l #	15
36) 1,1-Dichloropropene	7.63	75	11035	4.788	ug/l #	51
37) Ethyl Acetate	6.80	43	7570	3.145	ug/l #	67
38) Carbon Tetrachloride	7.63	117	13823	5.072	ug/l #	15
43) Isopropyl Acetate	8.13	43	33532	8.351	ug/l	98
48) Methyl methacrylate	9.15	41	2324	1.177	ug/l #	13
51) 4-Methyl-2-Pentanone	9.96	43	6248	2.405	ug/l	100
52) Toluene	10.13	92	1414	0.333	ug/l	92
54) cis-1,3-Dichloropropene	9.88	75	14584	4.821	ug/l #	64
56) Ethyl methacrylate	10.52	69	1234	0.452	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	1077	0.350	ug/l #	43
59) 2-Hexanone	10.74	43	19366	9.993	ug/l #	55
74) N-amyl acetate	12.01	43	1717	0.638	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	60878	25.607	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	60878	78.172	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.29	75	424	0.845	ug/l #	10

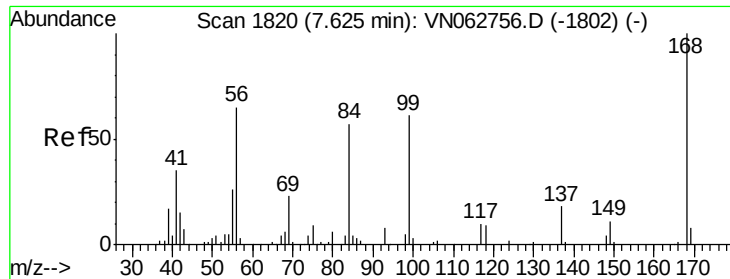
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062965.D

Acq: 15 Aug 2020 4:12

Instrument :

MSVOA_N

ClientSampleId :

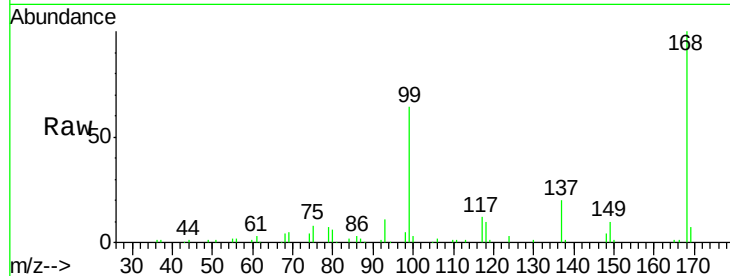
20200517-2801-E

Tgt Ion:168 Resp: 131318

Ion Ratio Lower Upper

168 100

99 64.2 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

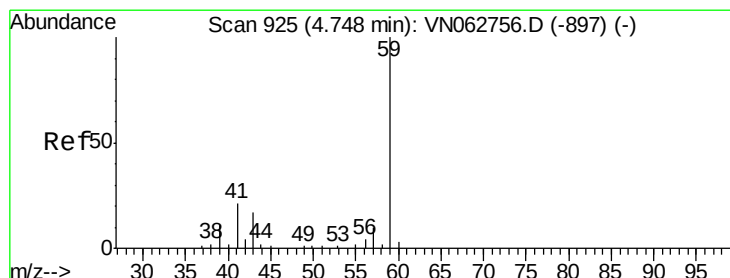
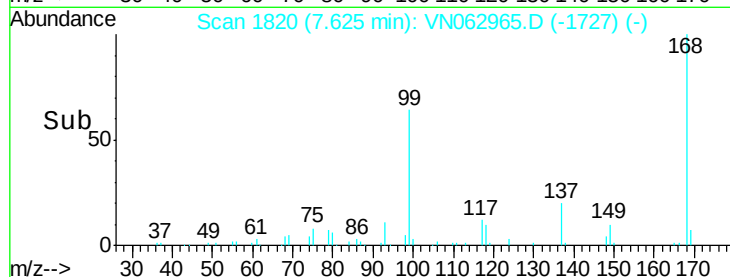
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.712 ug/l

RT: 4.70 min Scan# 910

Delta R.T. -0.05 min

Lab File: VN062965.D

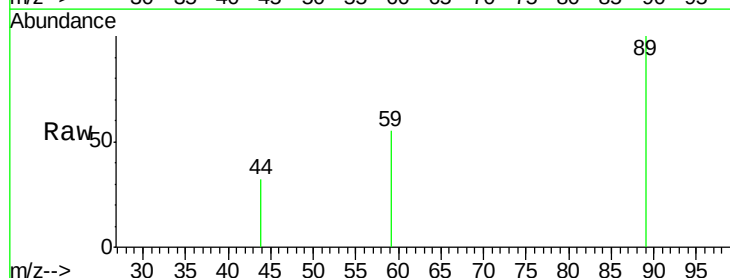
Acq: 15 Aug 2020 4:12

Tgt Ion: 59 Resp: 1321

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.70

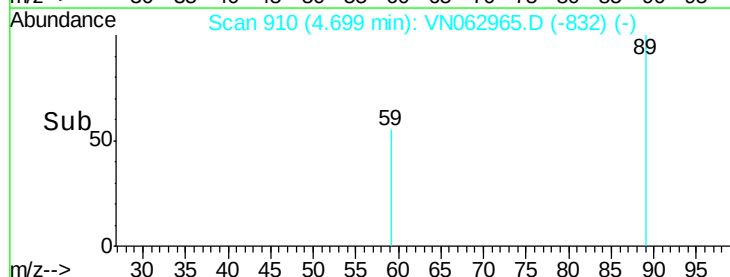
600

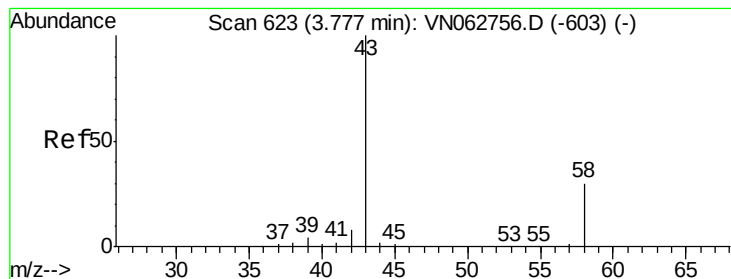
400

200

0

Time-->





#16

Acetone

Concen: 50.120 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062965.D

Acq: 15 Aug 2020 4:12

Instrument :

MSVOA_N

ClientSampleId :

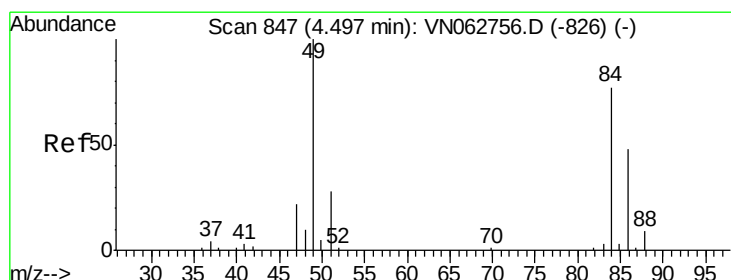
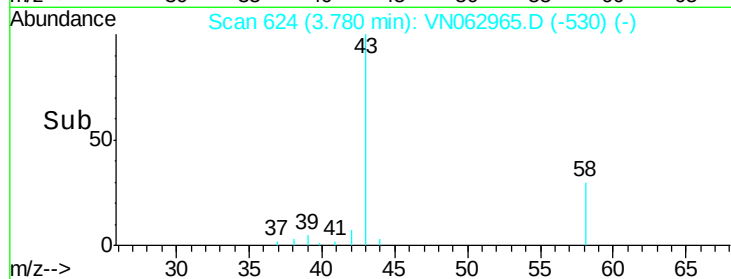
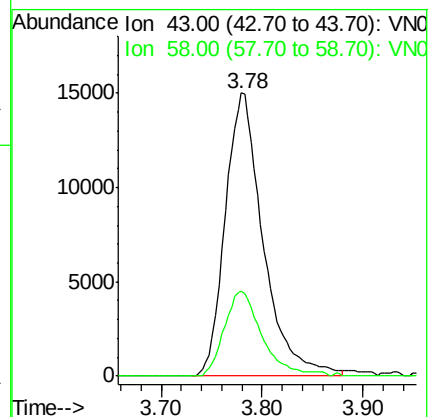
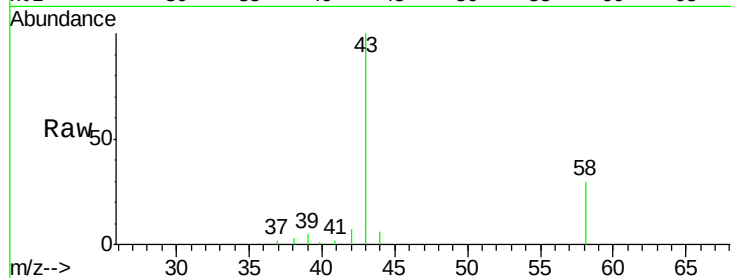
20200517-2801-E

Tgt Ion: 43 Resp: 39328

Ion Ratio Lower Upper

43 100

58 29.8 24.1 36.1



#20

Methylene Chloride

Concen: 7.953 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.01 min

Lab File: VN062965.D

Acq: 15 Aug 2020 4:12

Tgt Ion: 84 Resp: 12338

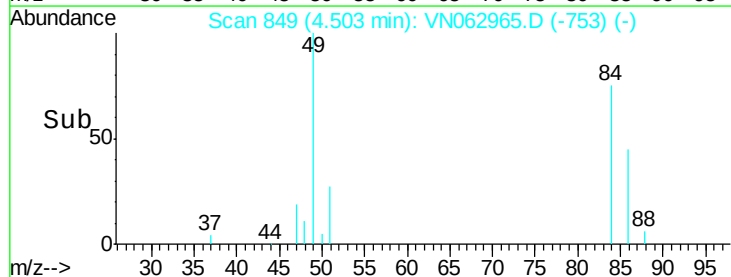
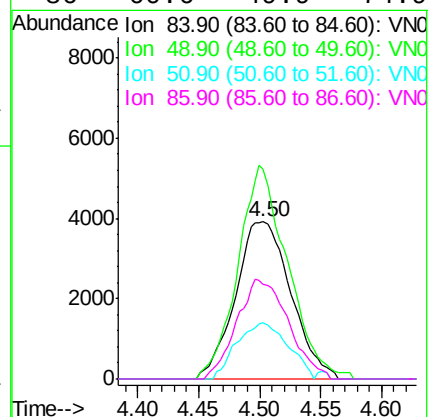
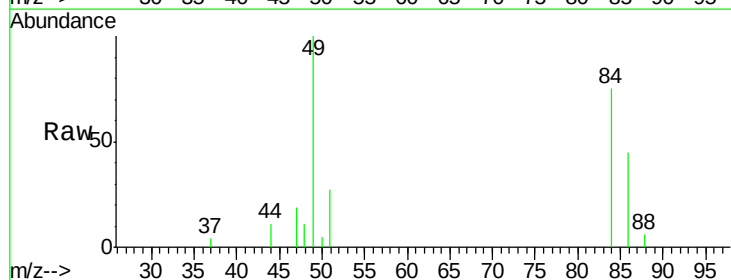
Ion Ratio Lower Upper

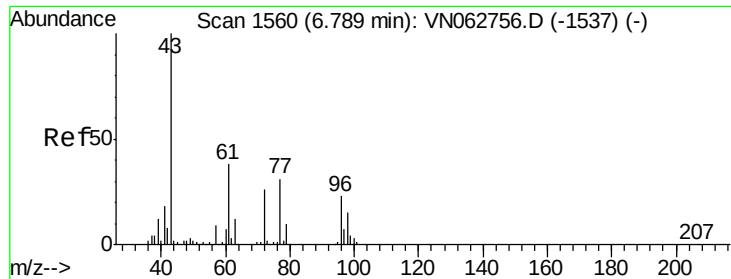
84 100

49 133.8 103.4 155.2

51 35.8 29.3 43.9

86 60.6 49.9 74.9

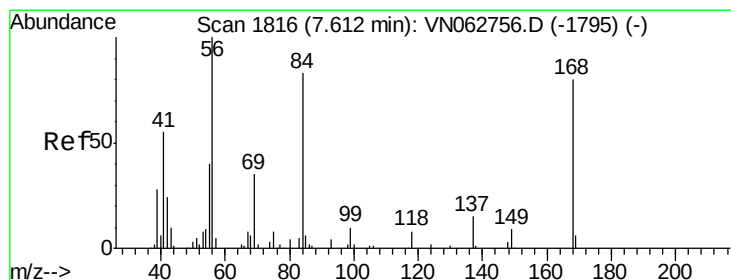
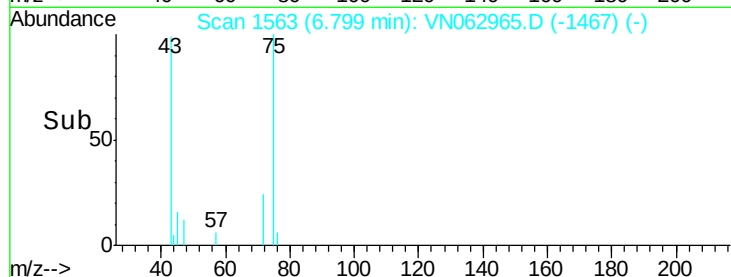
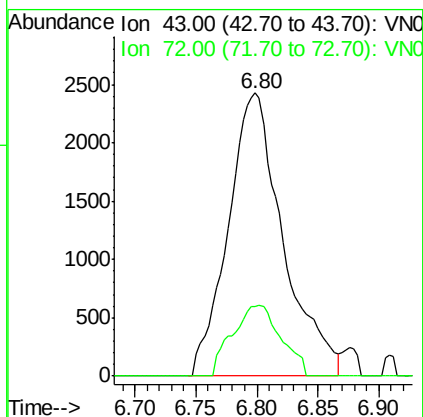
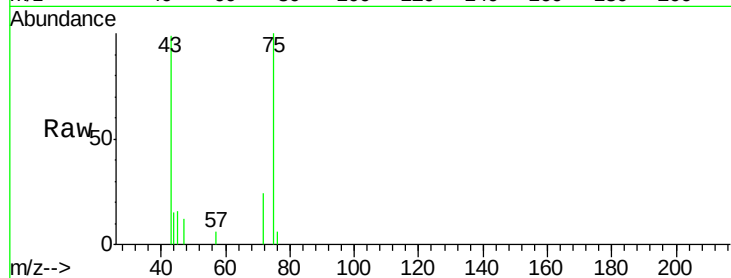




#25
2-Butanone
Concen: 6.812 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062965.D
Acq: 15 Aug 2020 4:12

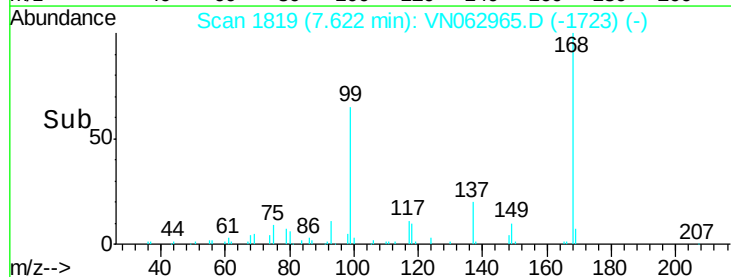
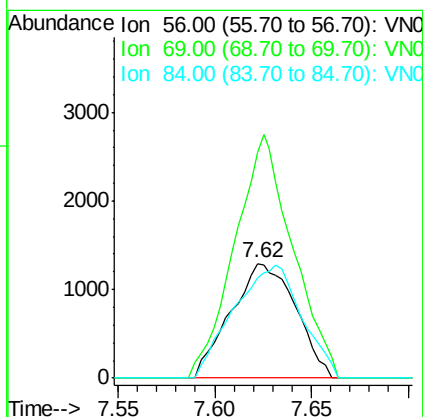
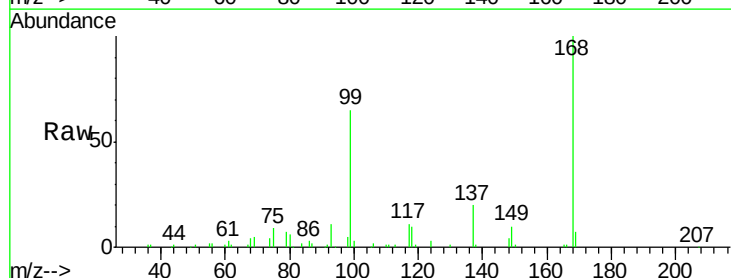
Instrument :
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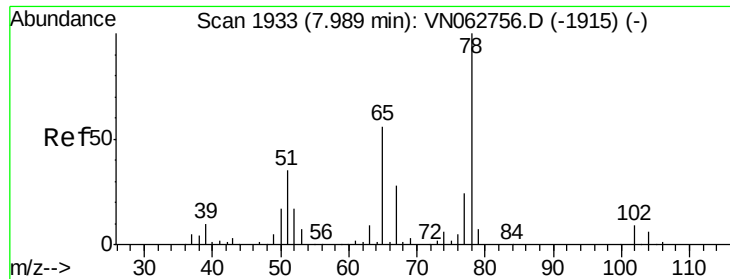
Tgt Ion: 43 Resp: 7570
Ion Ratio Lower Upper
43 100
72 24.8 21.1 31.7



#31
Cyclohexane
Concen: 1.143 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062965.D
Acq: 15 Aug 2020 4:12

Tgt Ion: 56 Resp: 3009
Ion Ratio Lower Upper
56 100
69 196.7 28.1 42.1#
84 86.8 66.8 100.2

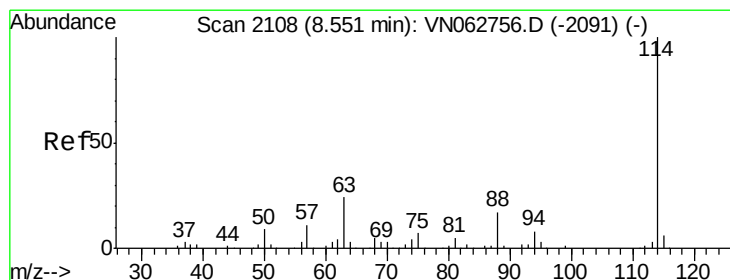
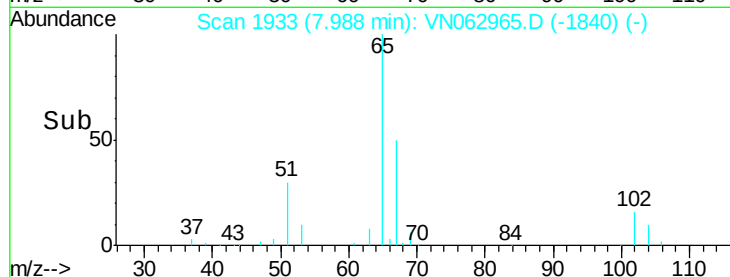
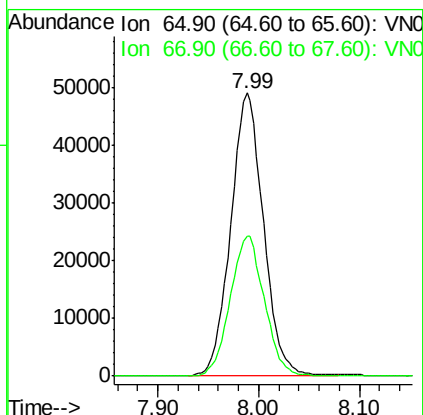
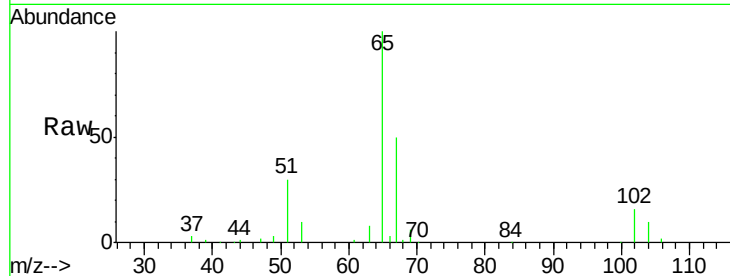




#33
 1,2-Dichloroethane-d4
 Concen: 50.952 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062965.D
 Acq: 15 Aug 2020 4:12

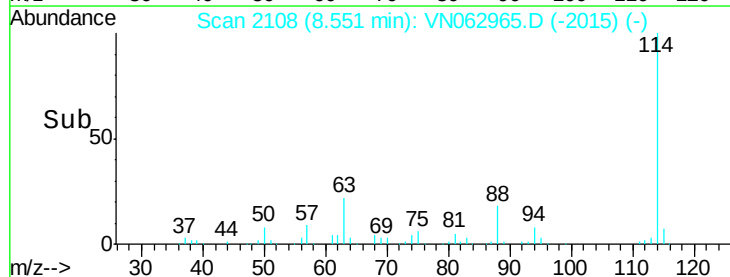
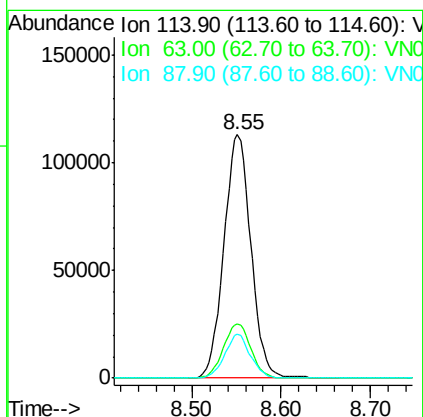
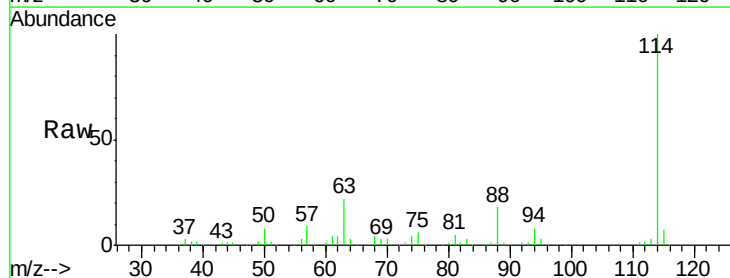
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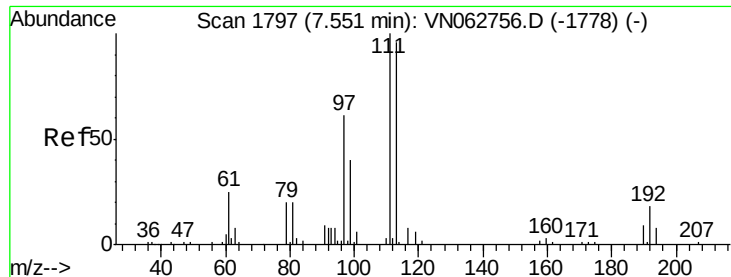
Tgt Ion: 65 Resp: 110646
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062965.D
 Acq: 15 Aug 2020 4:12

Tgt Ion: 114 Resp: 236680
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 47.6
 88 18.0 0.0 34.4

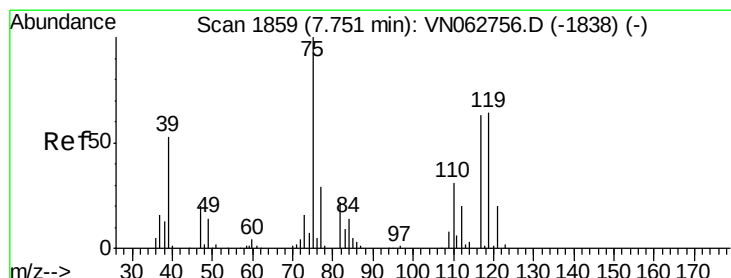
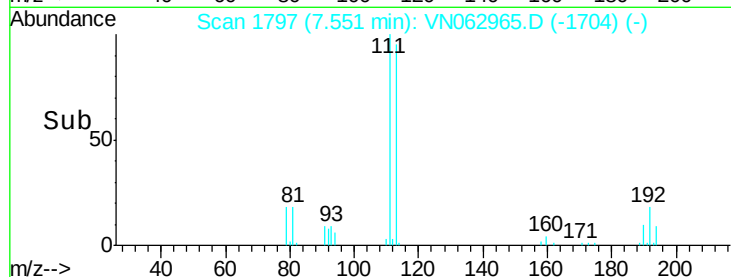
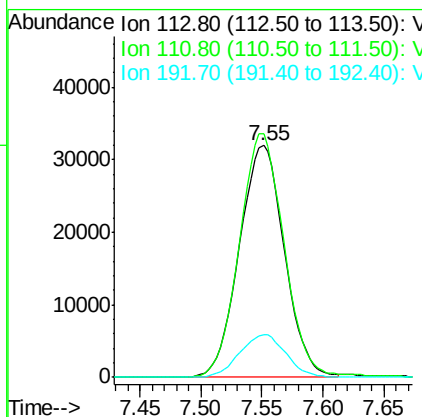
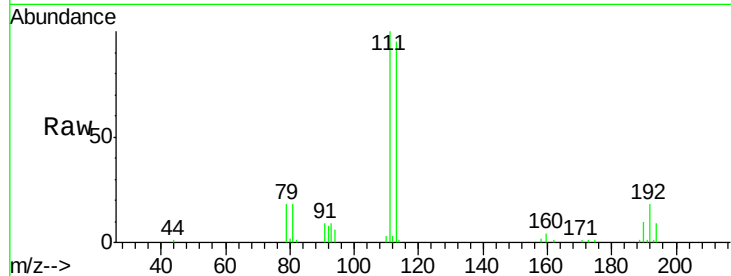




#35
 Dibromofluoromethane
 Concen: 50.513 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062965.D
 Acq: 15 Aug 2020 4:12

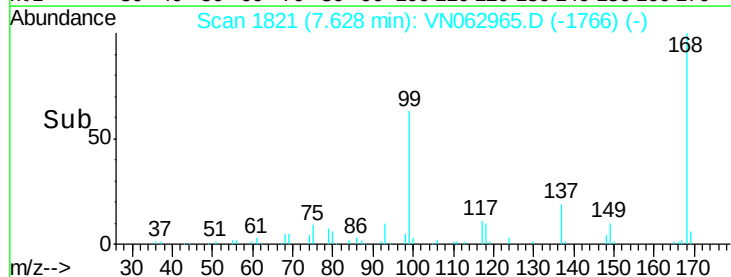
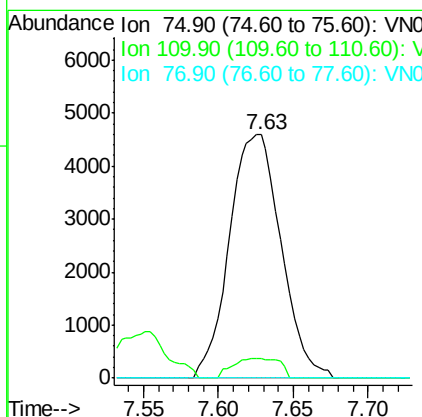
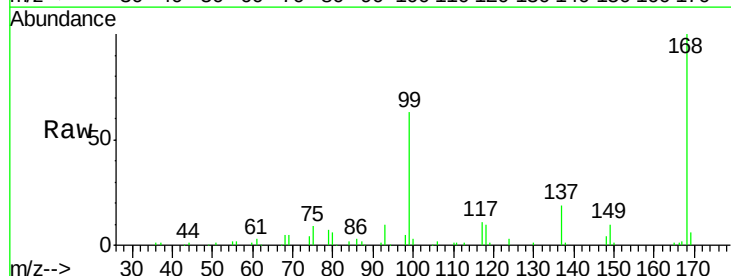
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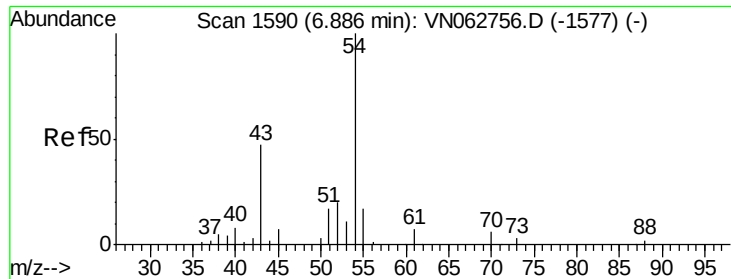
Tgt Ion: 113 Resp: 81782
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.8 122.6
 192 18.8 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.788 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062965.D
 Acq: 15 Aug 2020 4:12

Tgt Ion: 75 Resp: 11035
 Ion Ratio Lower Upper
 75 100
 110 7.4 15.6 46.7#
 77 0.0 24.1 36.1#

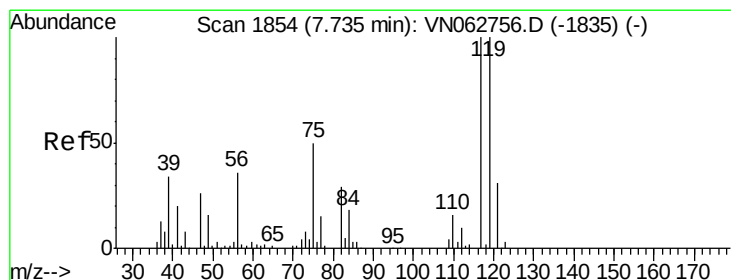
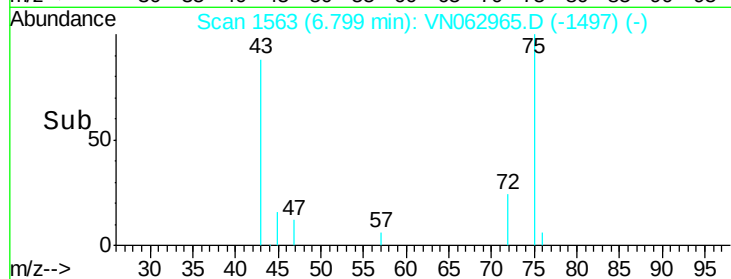
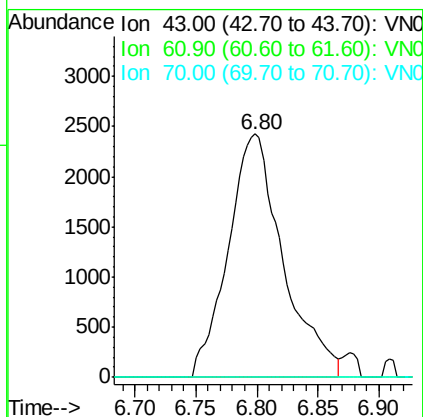
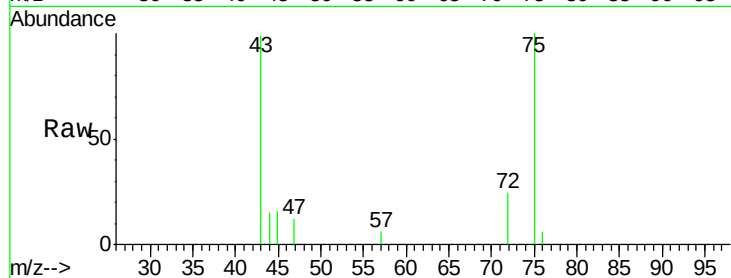




#37
 Ethyl Acetate
 Concen: 3.145 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.09 min
 Lab File: VN062965.D
 Acq: 15 Aug 2020 4:12

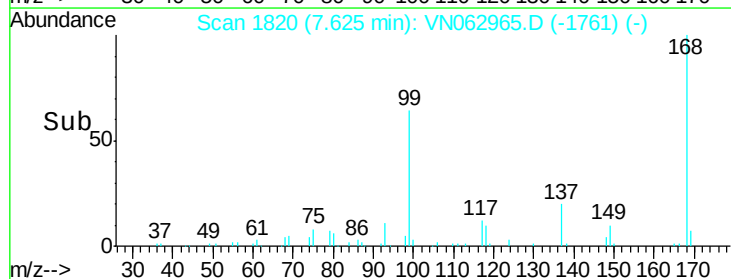
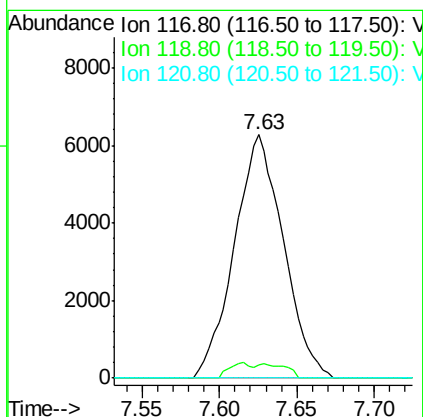
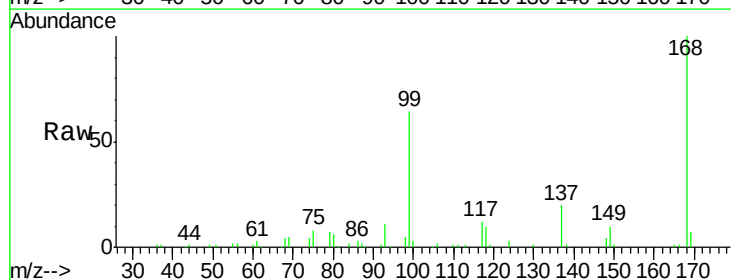
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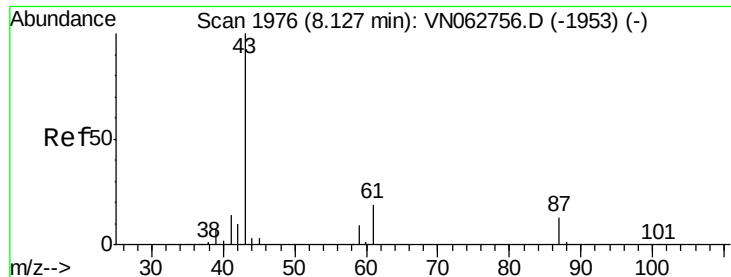
Tgt Ion: 43 Resp: 7570
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 8.3 12.5#



#38
 Carbon Tetrachloride
 Concen: 5.072 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062965.D
 Acq: 15 Aug 2020 4:12

Tgt Ion: 117 Resp: 13823
 Ion Ratio Lower Upper
 117 100
 119 5.2 79.4 119.2#
 121 0.0 24.9 37.3#





#43

Isopropyl Acetate

Concen: 8.351 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062965.D

Acq: 15 Aug 2020 4:12

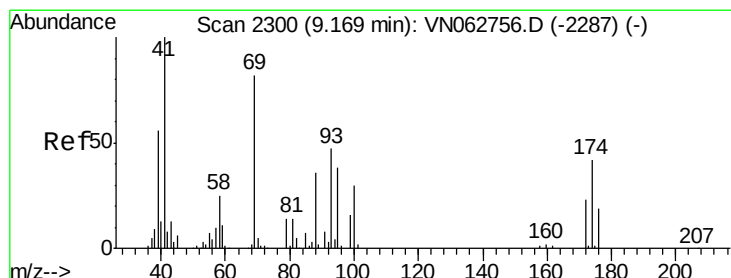
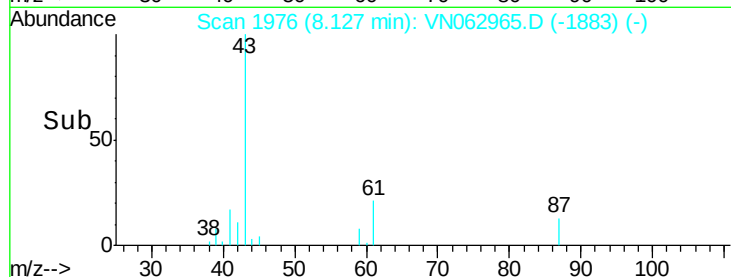
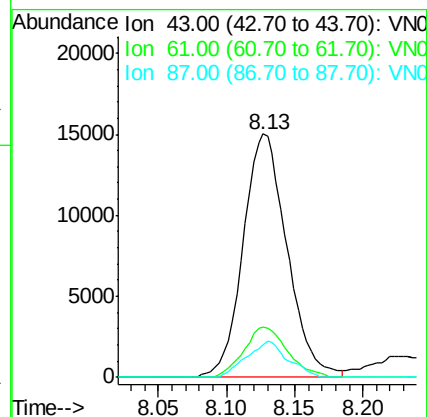
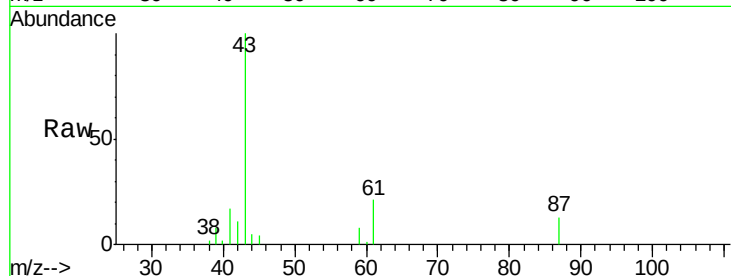
Instrument :

MSVOA_N

ClientSampleId :

20200517-2801-E

Tgt Ion:	43	Resp:	33532
Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.8	23.6
87	13.8	9.9	14.9



#48

Methyl methacrylate

Concen: 1.177 ug/l

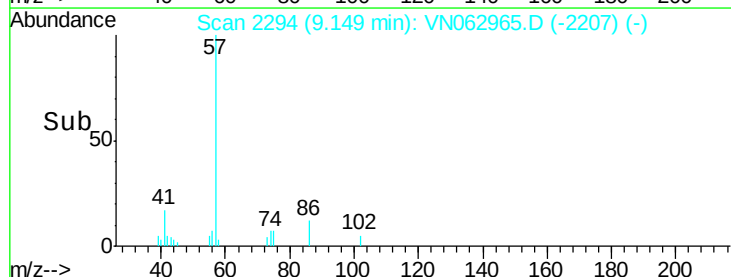
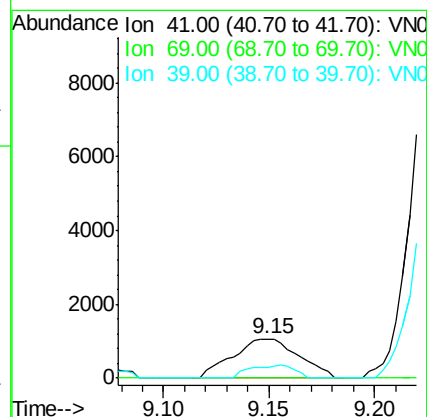
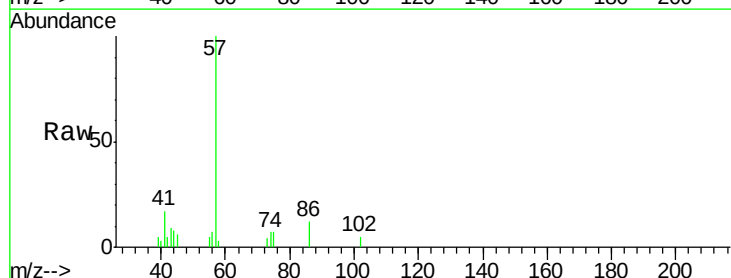
RT: 9.15 min Scan# 2294

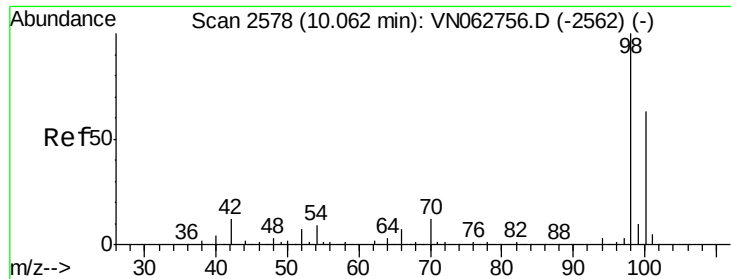
Delta R.T. -0.02 min

Lab File: VN062965.D

Acq: 15 Aug 2020 4:12

Tgt Ion:	41	Resp:	2324
Ion	Ratio	Lower	Upper
41	100		
69	0.0	67.4	101.2#
39	0.0	47.6	71.4#





#50

Toluene-d8

Concen: 52.108 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062965.D

Acq: 15 Aug 2020 4:12

Instrument :

MSVOA_N

ClientSampleId :

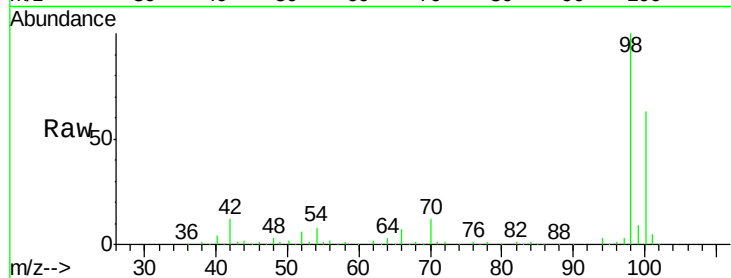
20200517-2801-E

Tgt Ion: 98 Resp: 329364

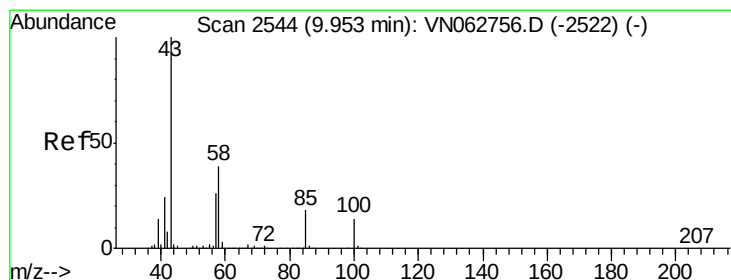
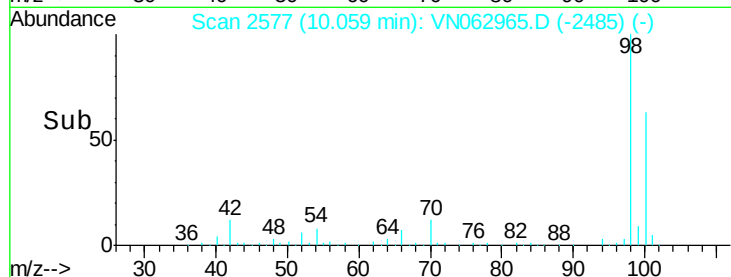
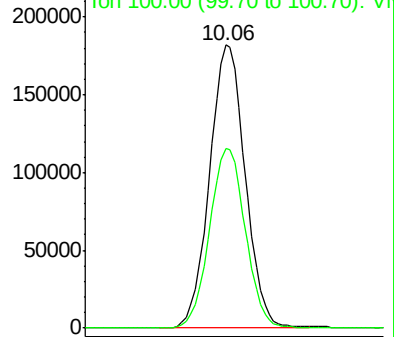
Ion Ratio Lower Upper

98 100

100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062756.D (-2562) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.405 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062965.D

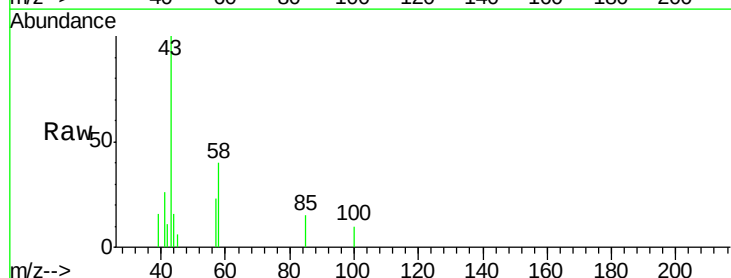
Acq: 15 Aug 2020 4:12

Tgt Ion: 43 Resp: 6248

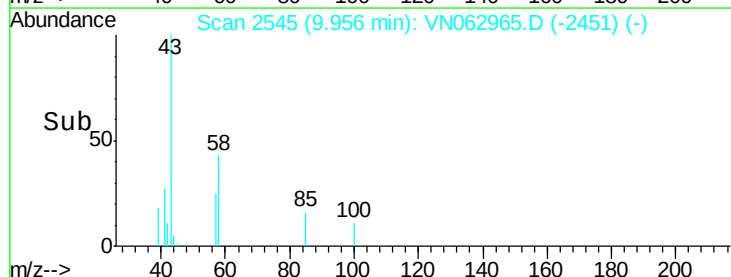
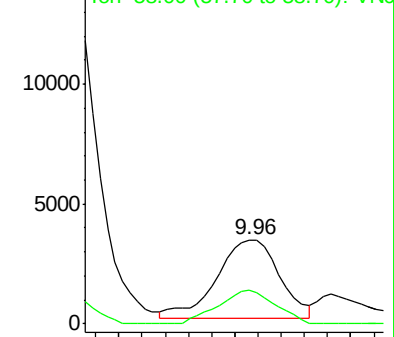
Ion Ratio Lower Upper

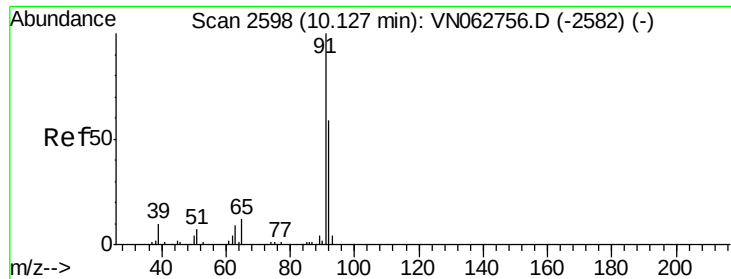
43 100

58 38.7 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-2522) (-)





#52

Toluene

Concen: 0.333 ug/l

RT: 10.13 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VN062965.D

Acq: 15 Aug 2020 4:12

Instrument :

MSVOA_N

ClientSampleId :

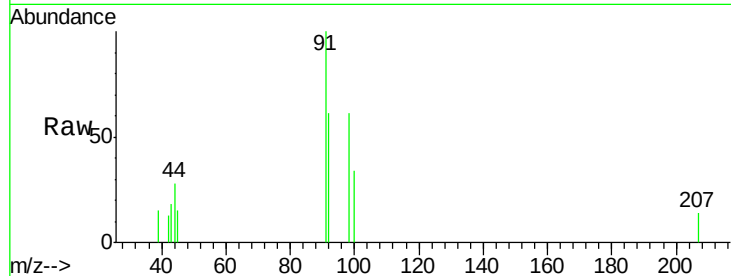
20200517-2801-E

Tgt Ion: 92 Resp: 1414

Ion Ratio Lower Upper

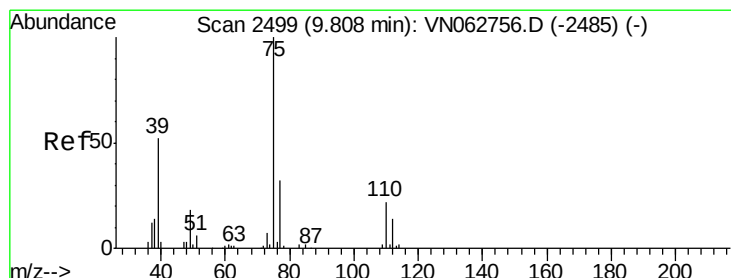
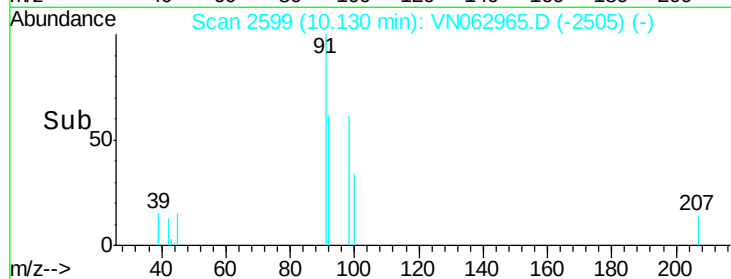
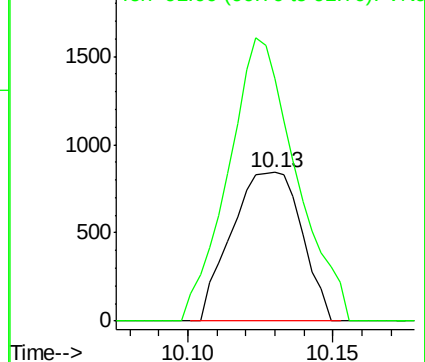
92 100

91 184.3 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.821 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062965.D

Acq: 15 Aug 2020 4:12

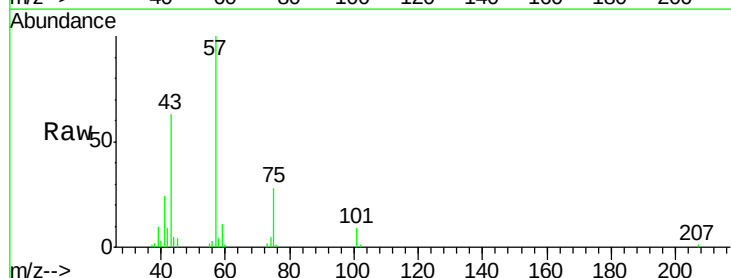
Tgt Ion: 75 Resp: 14584

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

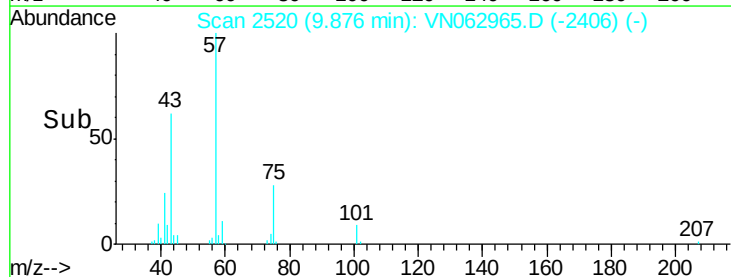
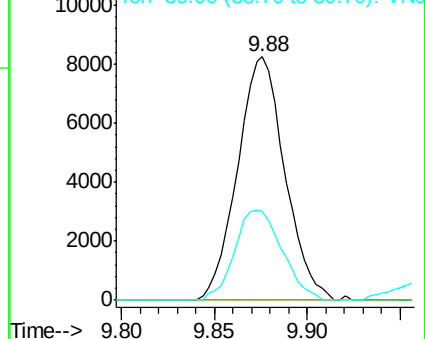
39 36.2 41.9 62.9#

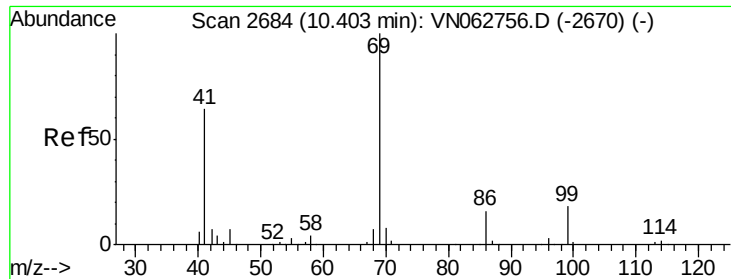


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.452 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.11 min

Lab File: VN062965.D

Acq: 15 Aug 2020 4:12

Instrument :

MSVOA_N

ClientSampleId :

20200517-2801-E

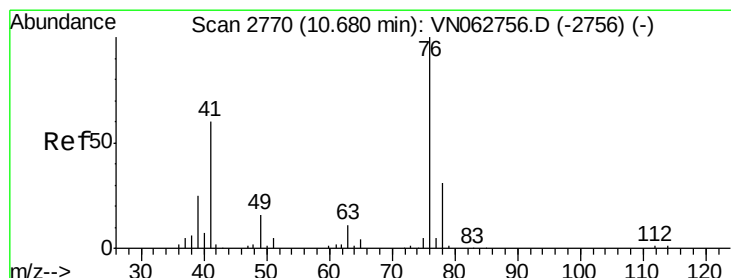
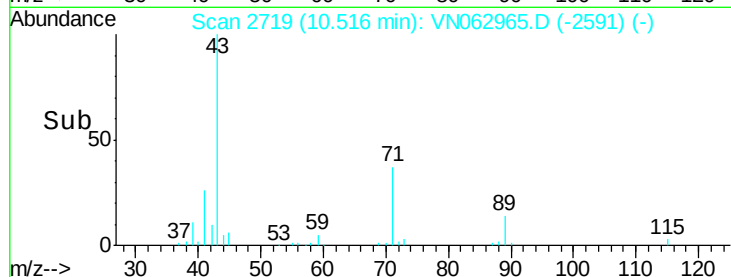
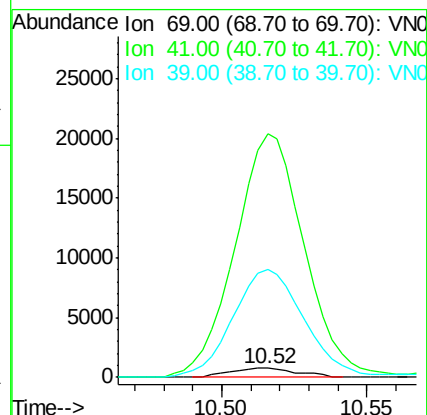
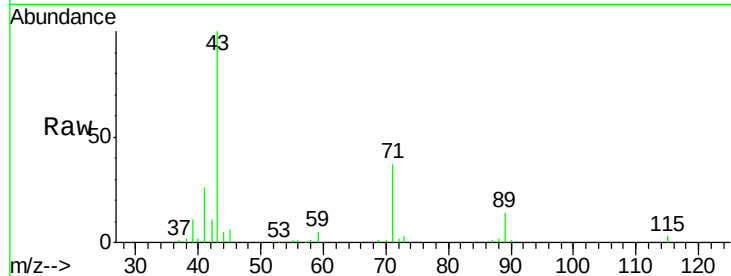
Tgt Ion: 69 Resp: 1234

Ion Ratio Lower Upper

69 100

41 2748.4 52.2 78.2#

39 1269.3 30.9 46.3#



#57

1,3-Dichloropropane

Concen: 0.350 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.06 min

Lab File: VN062965.D

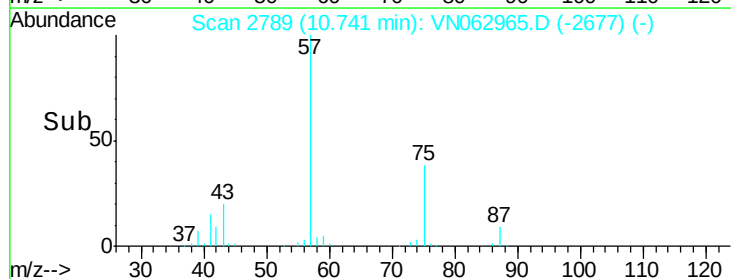
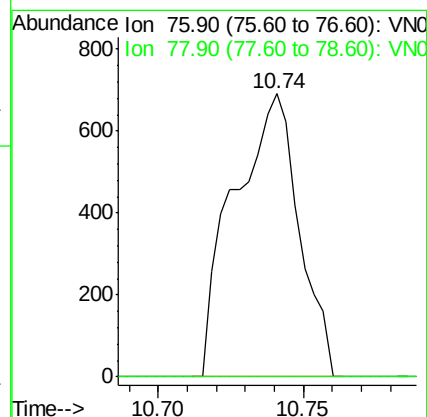
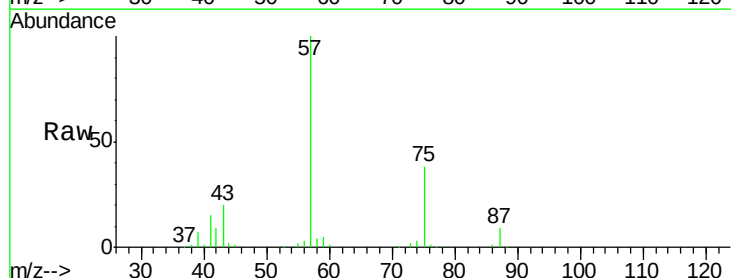
Acq: 15 Aug 2020 4:12

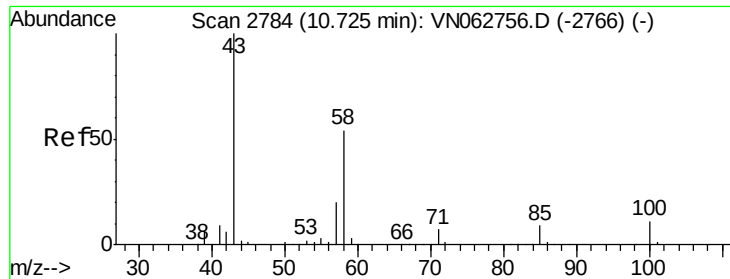
Tgt Ion: 76 Resp: 1077

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#

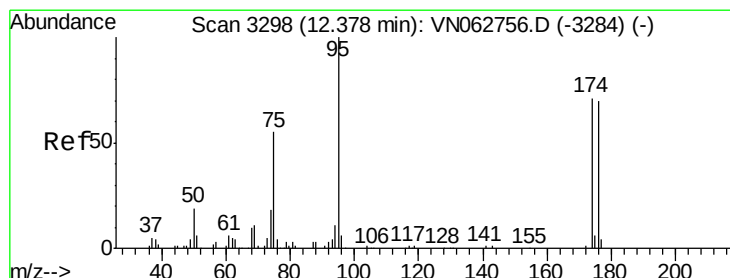
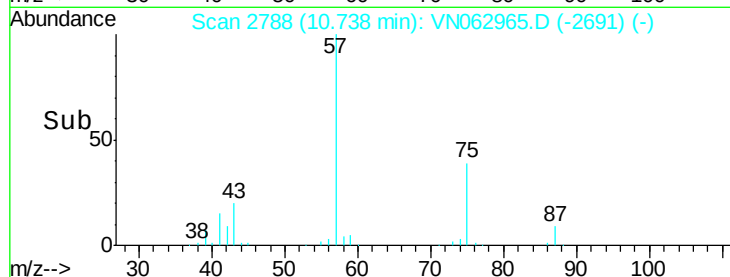
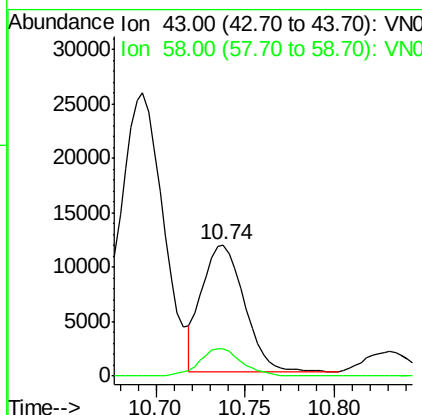
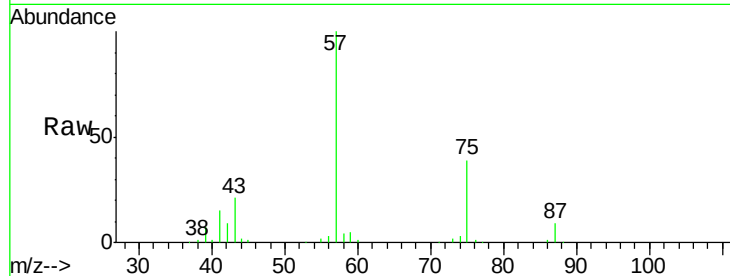




#59
 2-Hexanone
 Concen: 9.993 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN062965.D
 Acq: 15 Aug 2020 4:12

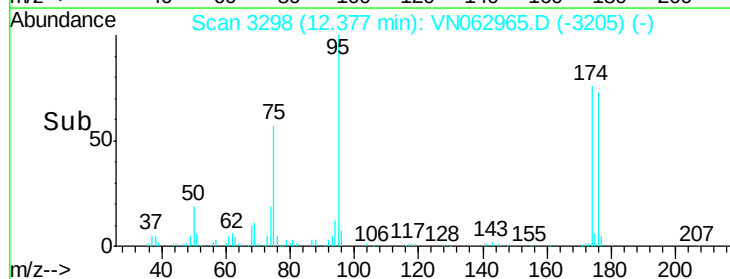
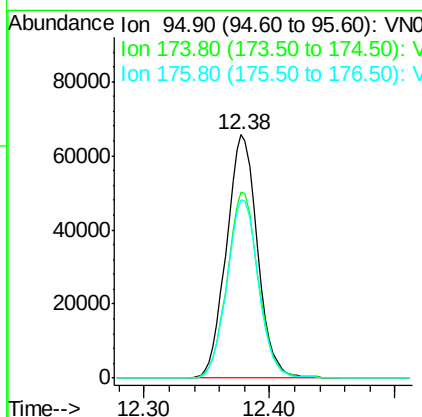
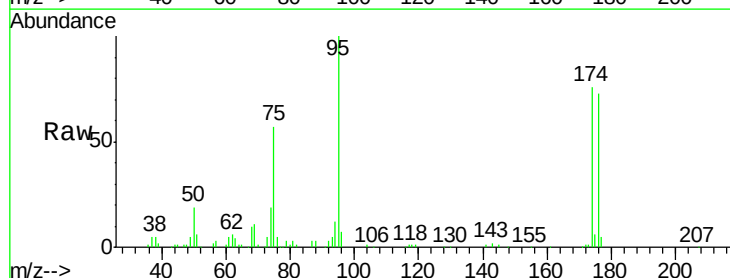
Instrument :
 MSVOA_N
 ClientSampleId :
 20200517-2801-E

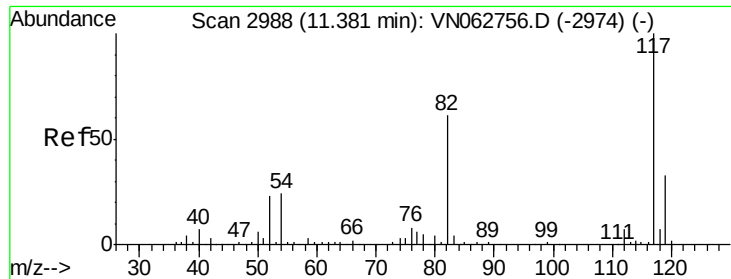
Tgt Ion: 43 Resp: 19366
 Ion Ratio Lower Upper
 43 100
 58 21.4 26.7 80.1#



#62
 4-Bromofluorobenzene
 Concen: 47.250 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062965.D
 Acq: 15 Aug 2020 4:12

Tgt Ion: 95 Resp: 112862
 Ion Ratio Lower Upper
 95 100
 174 76.9 0.0 144.8
 176 73.7 0.0 142.2

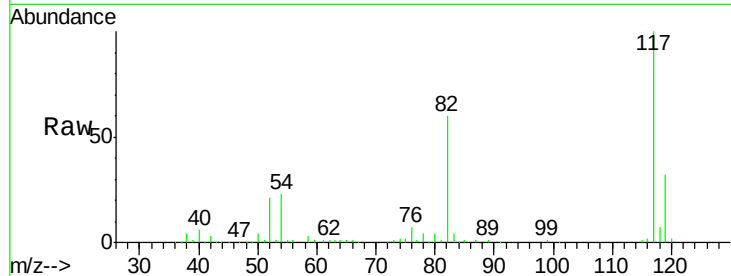




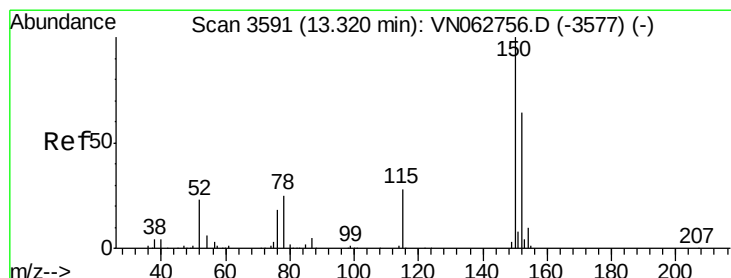
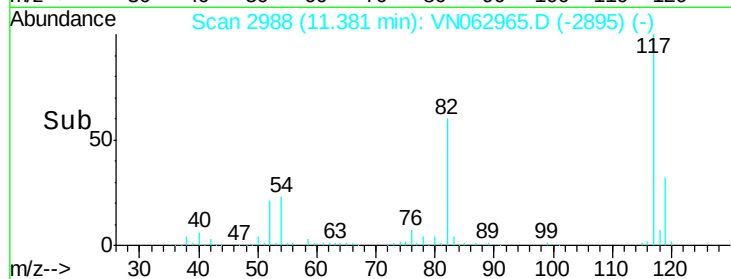
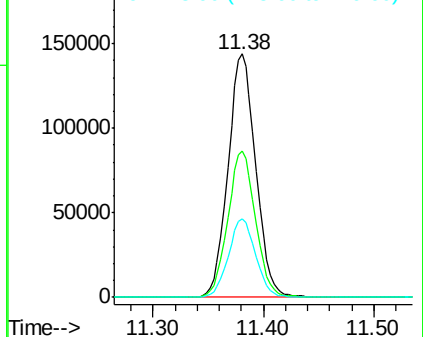
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062965.D
Acq: 15 Aug 2020 4:12

Instrument :
MSVOA_N
ClientSampleId :
20200517-2801-E

Tgt Ion:117 Resp: 250460
Ion Ratio Lower Upper
117 100
82 60.2 49.0 73.4
119 32.2 26.2 39.2

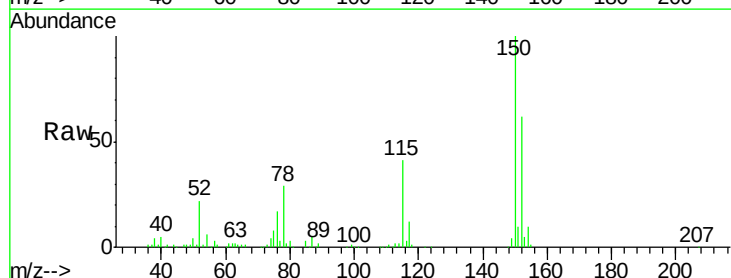


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

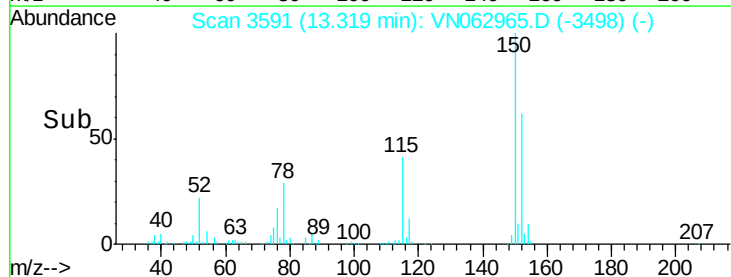
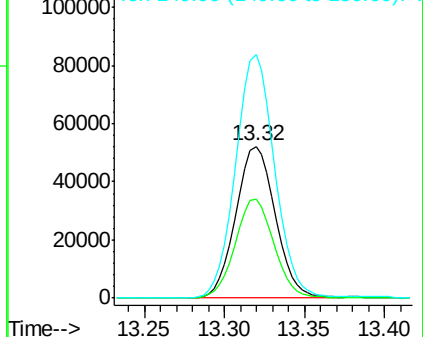


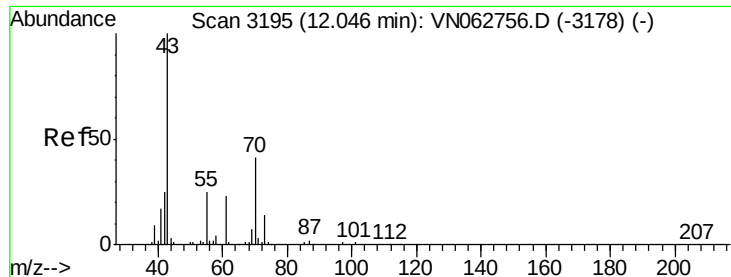
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062965.D
Acq: 15 Aug 2020 4:12

Tgt Ion:152 Resp: 88152
Ion Ratio Lower Upper
152 100
115 64.0 31.6 94.8
150 157.8 0.0 349.2



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-amyI acetate

Concen: 0.638 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062965.D

Acq: 15 Aug 2020 4:12

Instrument :

MSVOA_N

ClientSampleId :

20200517-2801-E

Tgt Ion: 43 Resp: 1717

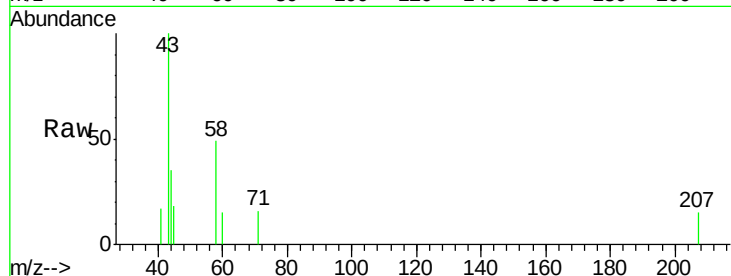
Ion Ratio Lower Upper

43 100

70 0.0 32.3 48.5#

55 0.0 20.2 30.2#

61 0.0 18.2 27.4#

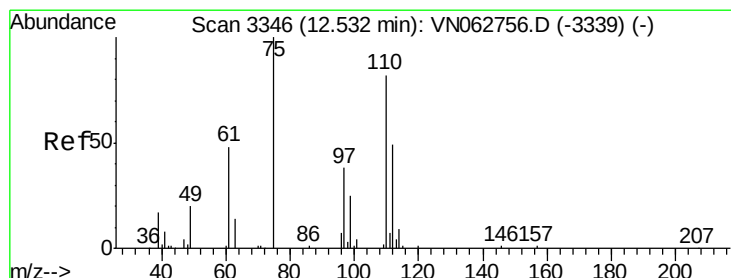
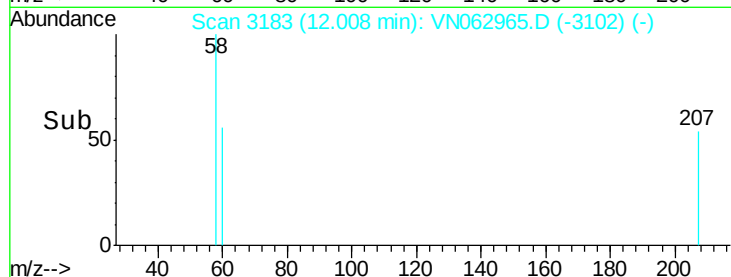
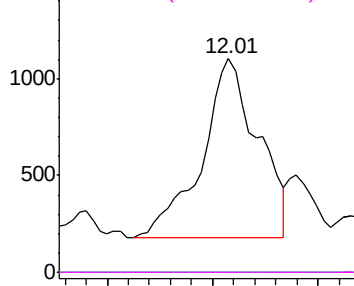


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.607 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062965.D

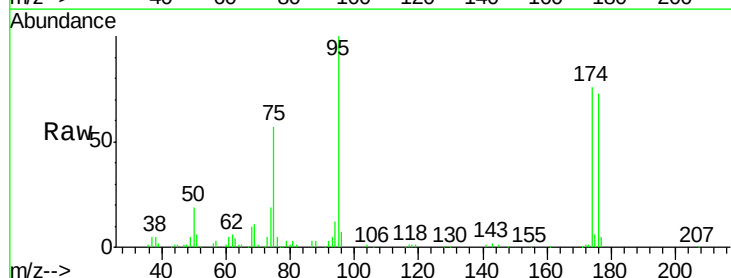
Acq: 15 Aug 2020 4:12

Tgt Ion: 75 Resp: 60878

Ion Ratio Lower Upper

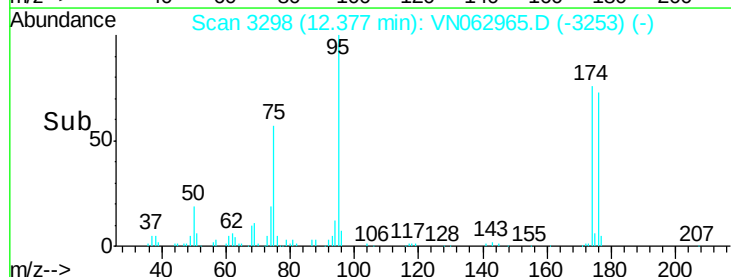
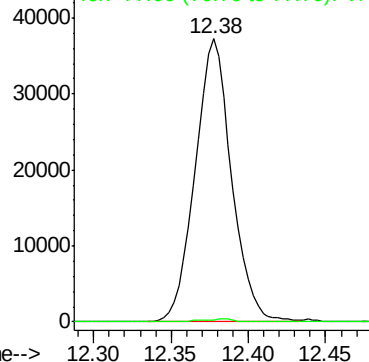
75 100

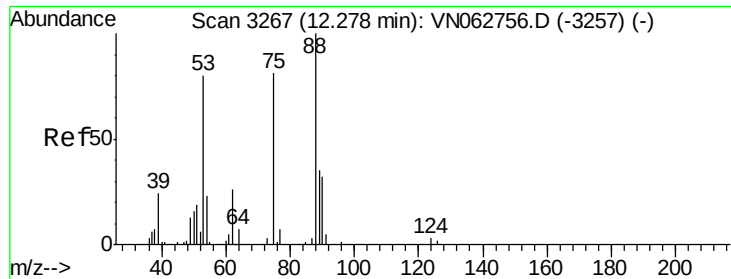
77 0.8 0.0 0.0#



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: 78.172 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062965.D

Acq: 15 Aug 2020 4:12

Instrument :

MSVOA_N

ClientSampled :

20200517-2801-E

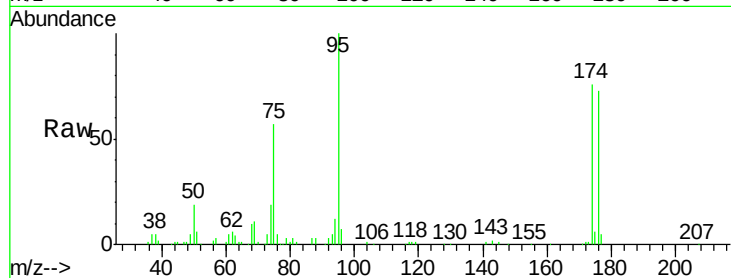
Tgt Ion: 75 Resp: 60878

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

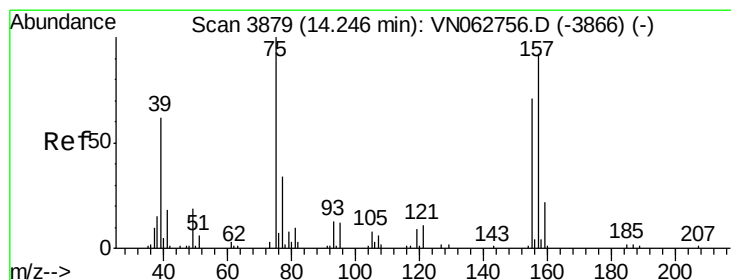
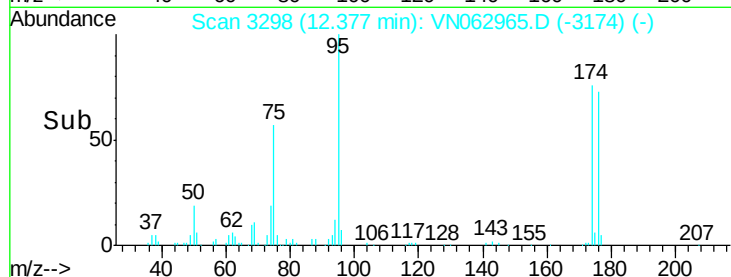
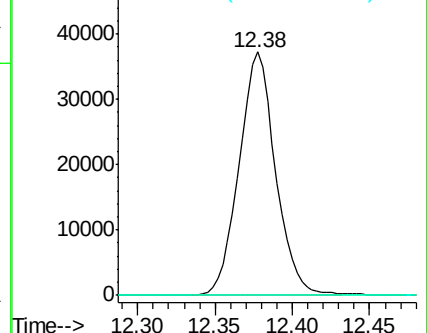
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.845 ug/l

RT: 14.29 min Scan# 3892

Delta R.T. 0.04 min

Lab File: VN062965.D

Acq: 15 Aug 2020 4:12

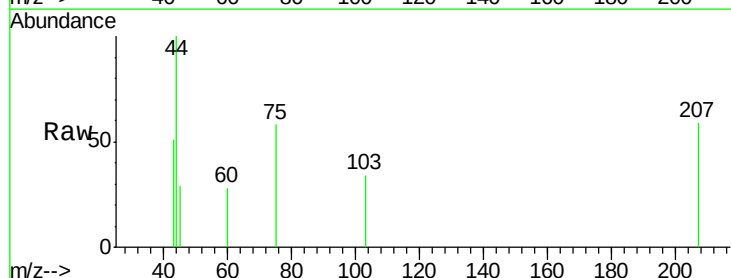
Tgt Ion: 75 Resp: 424

Ion Ratio Lower Upper

75 100

155 0.0 35.0 105.1#

157 0.0 43.2 129.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

