

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081420\
 Data File : VN062954.D
 Acq On : 14 Aug 2020 23:46
 Operator : JC/MD
 Sample : L3691-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-01-081320

Quant Time: Aug 17 09:32:41 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

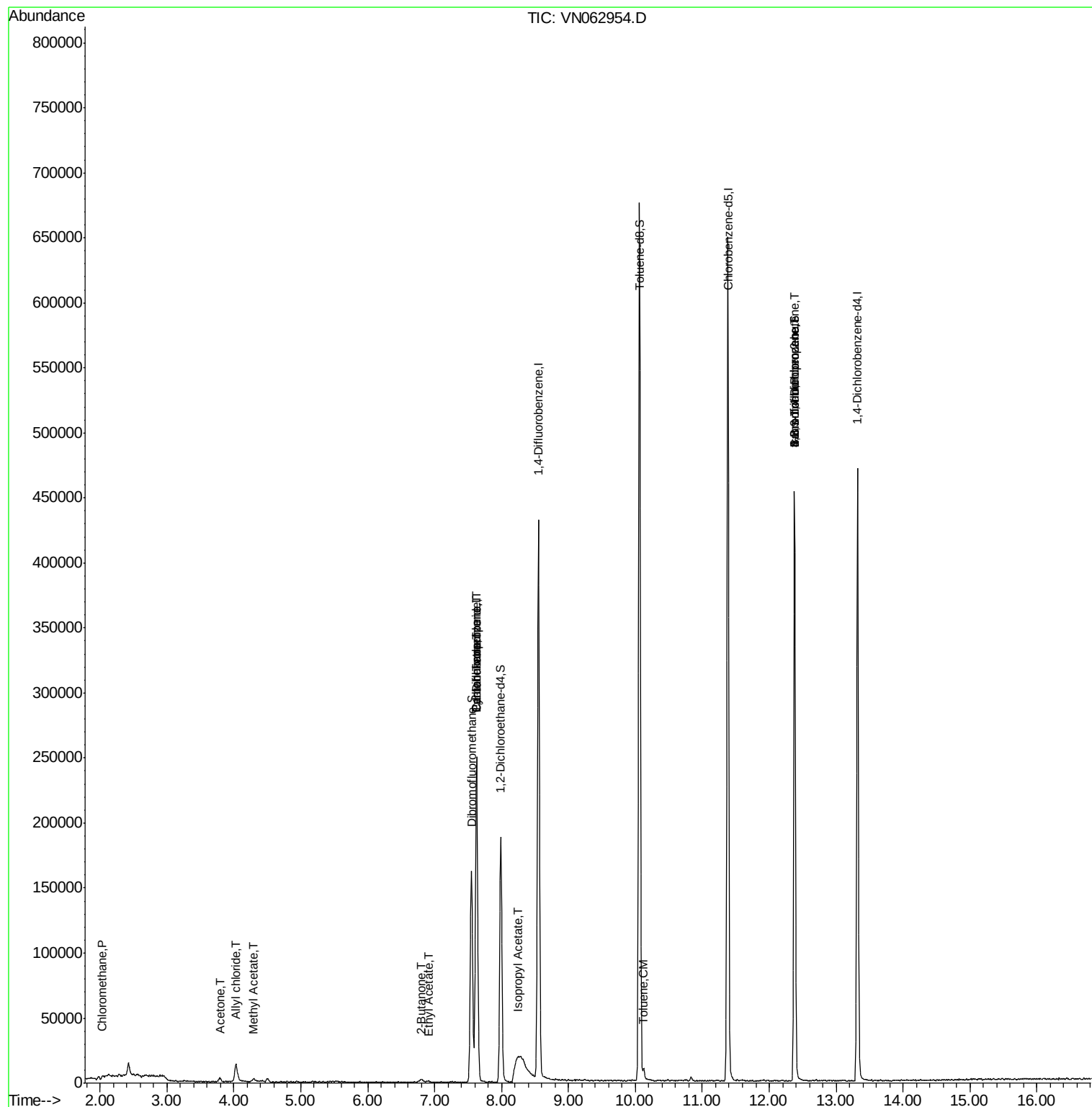
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	195734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	371074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	363433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	126828	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	162744	50.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.56%	
35) Dibromofluoromethane	7.55	113	126518	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
50) Toluene-d8	10.06	98	461289	46.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.10%	
62) 4-Bromofluorobenzene	12.38	95	160930	42.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.94%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	1344	0.508	ug/l #	82
14) Allyl chloride	4.03	41	2710	0.791	ug/l #	81
16) Acetone	3.79	43	5000	4.275	ug/l #	88
17) Carbon Disulfide	4.01	76	241	Below Cal	#	74
18) Methyl Acetate	4.30	43	4620	0.553	ug/l #	76
25) 2-Butanone	6.80	43	3988	2.407	ug/l #	84
31) Cyclohexane	7.63	56	4590	1.170	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	17278	4.782	ug/l #	51
37) Ethyl Acetate	6.91	43	2536	0.672	ug/l #	67
38) Carbon Tetrachloride	7.63	117	19328	4.523	ug/l #	16
43) Isopropyl Acetate	8.24	43	23901	3.797	ug/l #	62
52) Toluene	10.12	92	2439	0.366	ug/l	77
71) Bromoform	12.38	173	1563	0.626	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	82206	24.034	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	82206	73.369	ug/l #	10

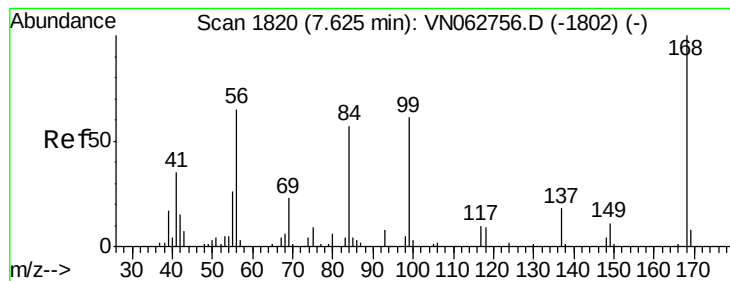
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062954.D

Acq: 14 Aug 2020 23:46

Instrument :

MSVOA_N

ClientSampleId :

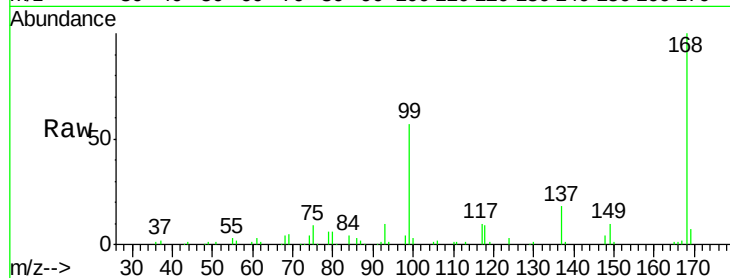
FB-01-081320

Tgt Ion:168 Resp: 195734

Ion Ratio Lower Upper

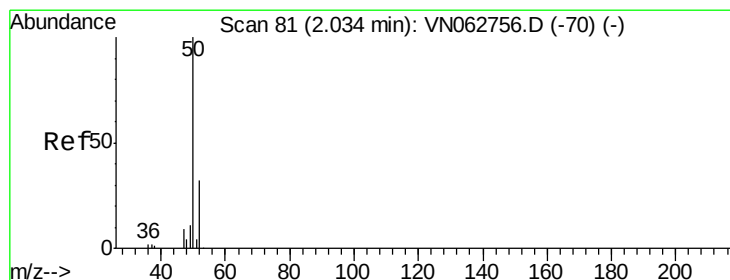
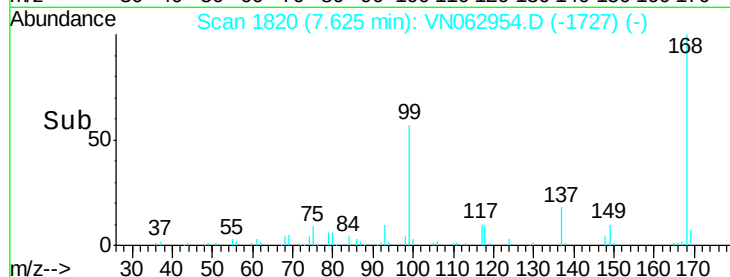
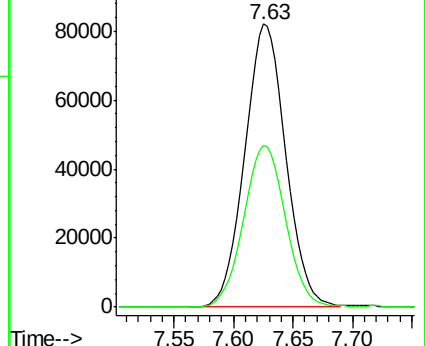
168 100

99 57.1 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.508 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062954.D

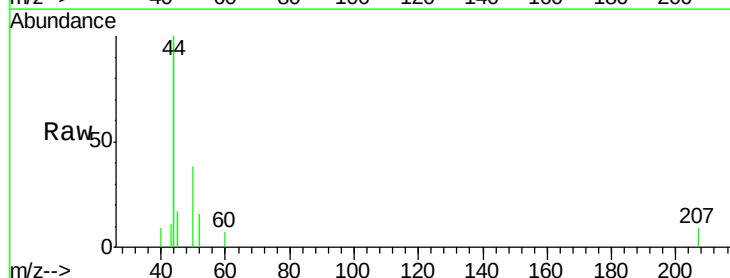
Acq: 14 Aug 2020 23:46

Tgt Ion: 50 Resp: 1344

Ion Ratio Lower Upper

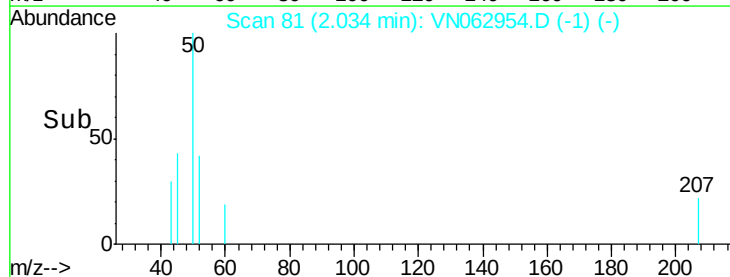
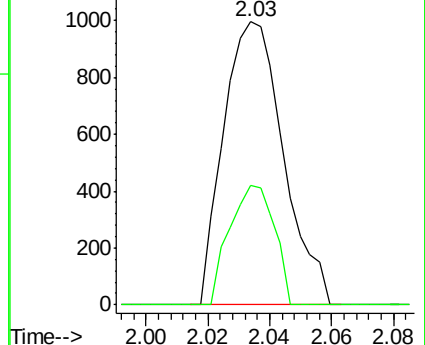
50 100

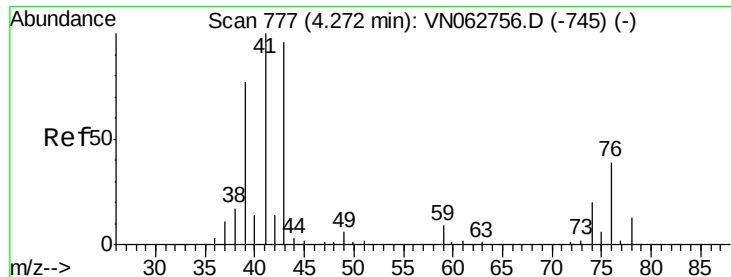
52 42.3 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

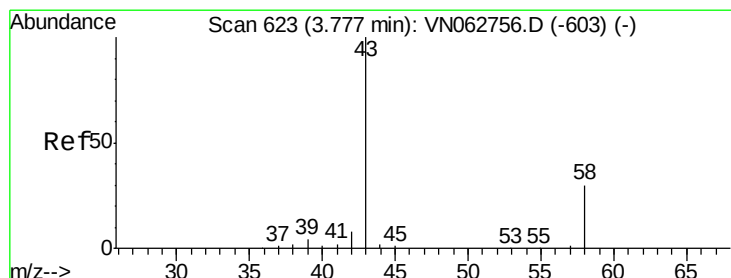
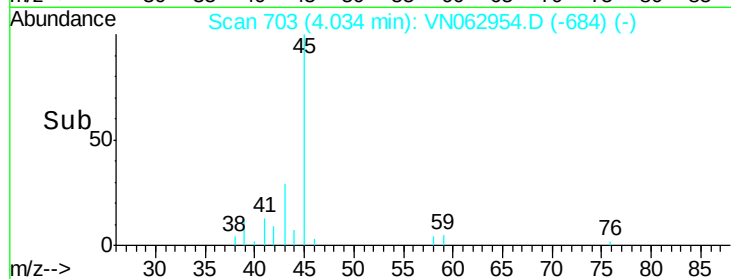
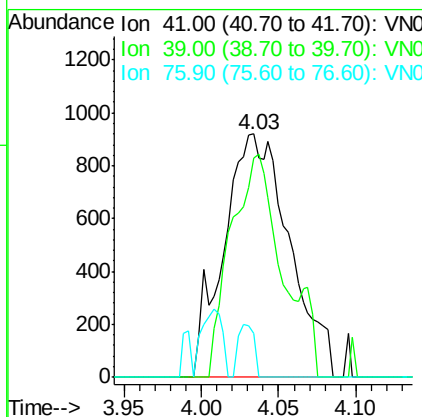
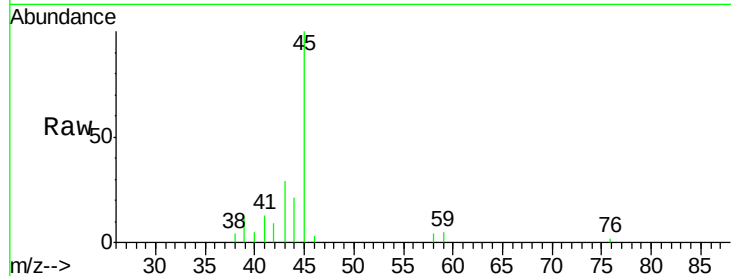




#14
 Allyl chloride
 Concen: 0.791 ug/l
 RT: 4.03 min Scan# 703
 Delta R.T. -0.24 min
 Lab File: VN062954.D
 Acq: 14 Aug 2020 23:46

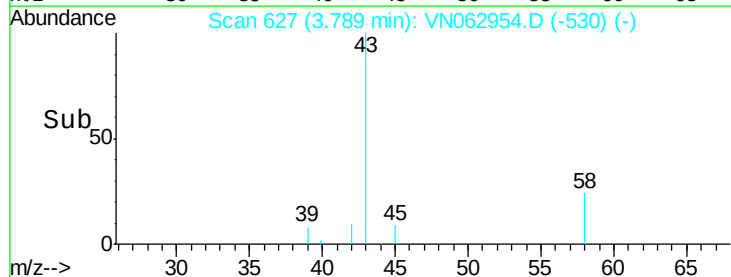
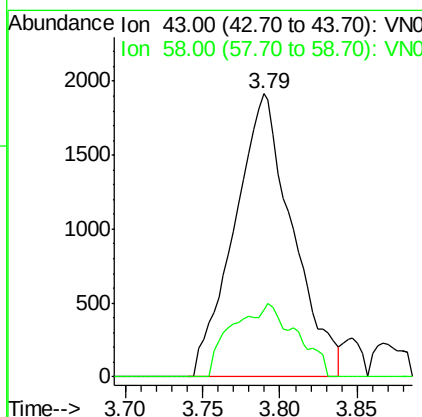
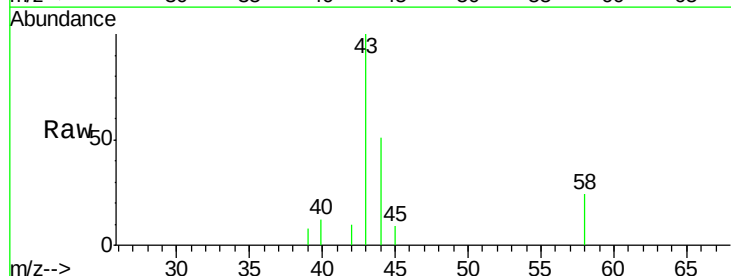
Instrument :
 MSVOA_N
 ClientSampleId :
 FB-01-081320

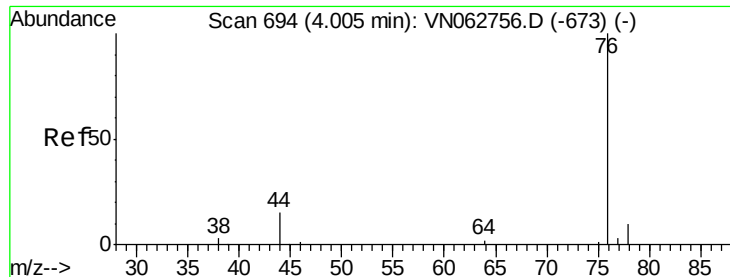
Tgt Ion: 41 Resp: 2710
 Ion Ratio Lower Upper
 41 100
 39 66.7 55.7 83.5
 76 5.1 27.5 41.3#



#16
 Acetone
 Concen: 4.275 ug/l
 RT: 3.79 min Scan# 627
 Delta R.T. 0.01 min
 Lab File: VN062954.D
 Acq: 14 Aug 2020 23:46

Tgt Ion: 43 Resp: 5000
 Ion Ratio Lower Upper
 43 100
 58 23.8 24.1 36.1#

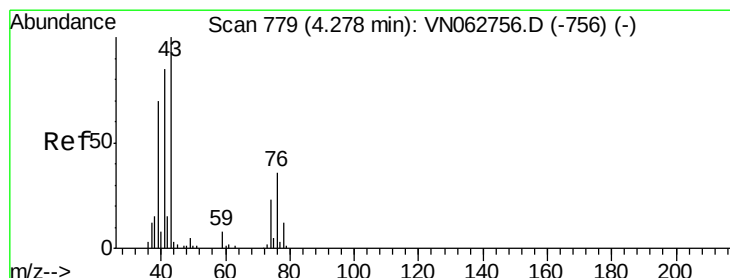
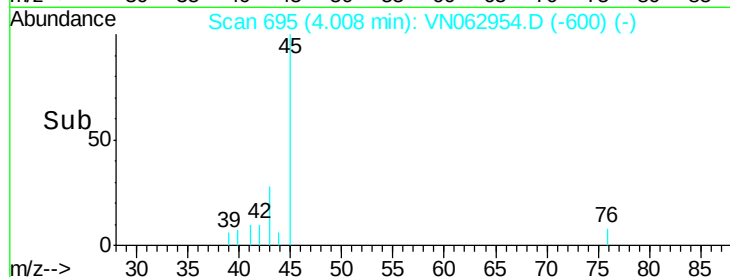
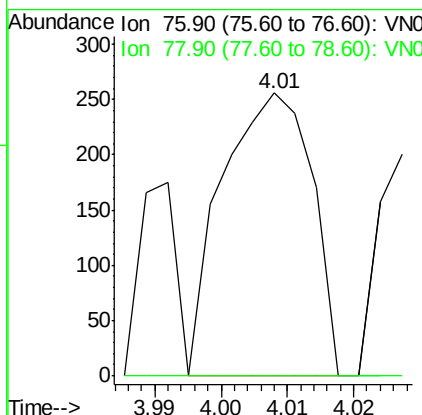
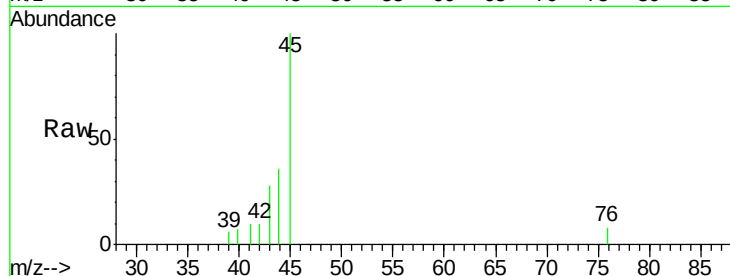




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062954.D
Acq: 14 Aug 2020 23:46

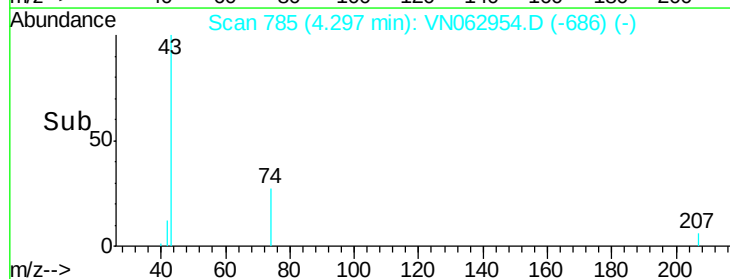
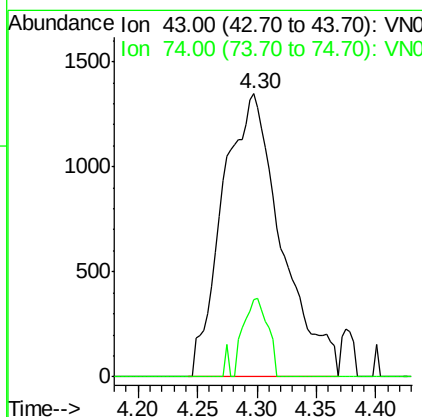
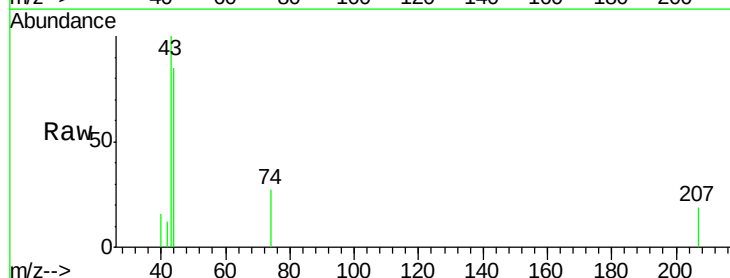
Instrument :
MSVOA_N
ClientSampled :
FB-01-081320

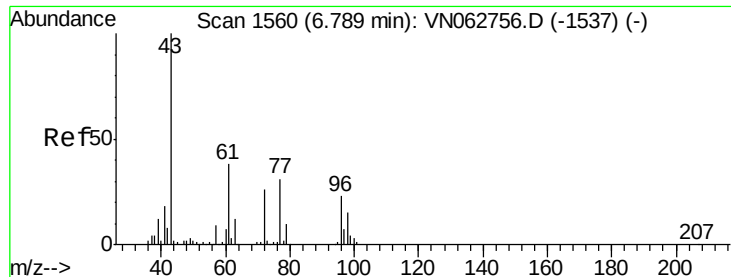
Tgt Ion: 76 Resp: 241
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 0.553 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.02 min
Lab File: VN062954.D
Acq: 14 Aug 2020 23:46

Tgt Ion: 43 Resp: 4620
Ion Ratio Lower Upper
43 100
74 11.5 18.6 28.0#

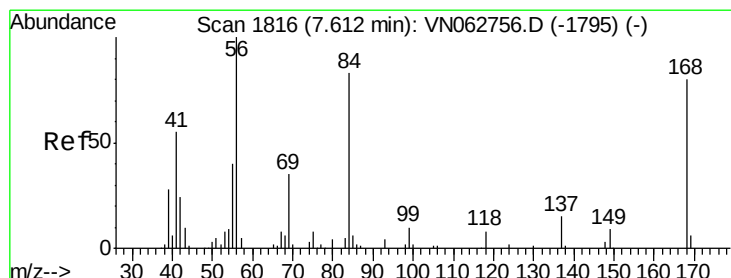
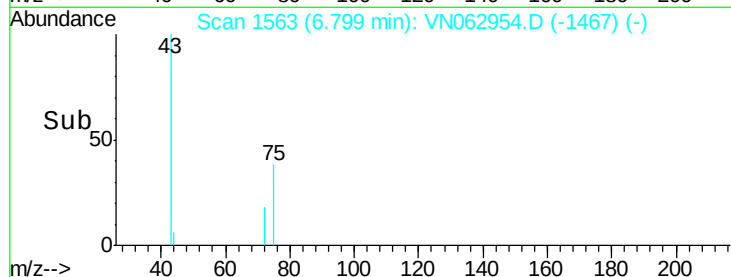
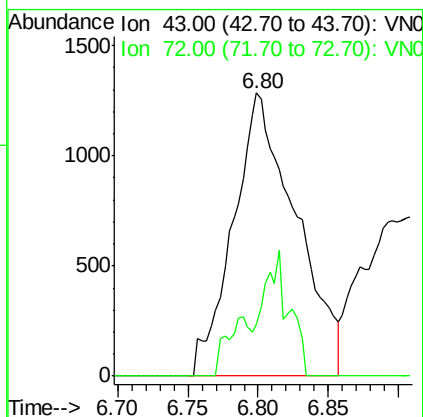
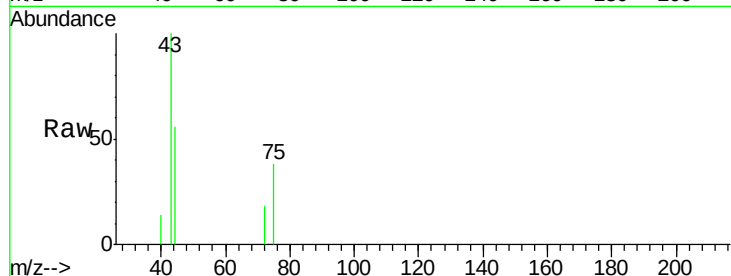




#25
2-Butanone
Concen: 2.407 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062954.D
Acq: 14 Aug 2020 23:46

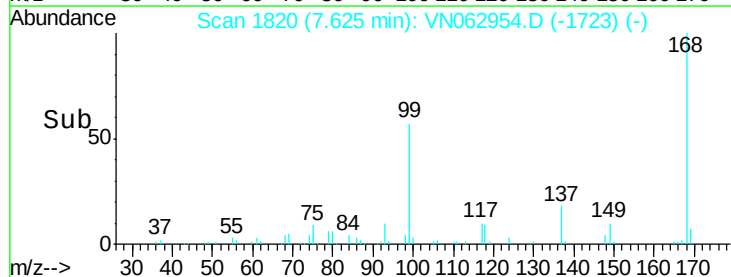
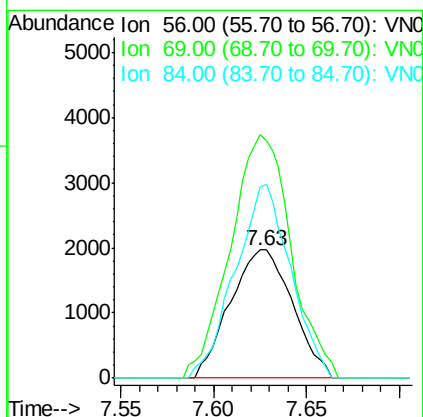
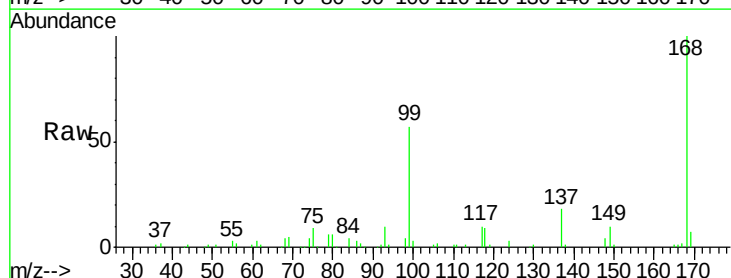
Instrument :
MSVOA_N
ClientSampled :
FB-01-081320

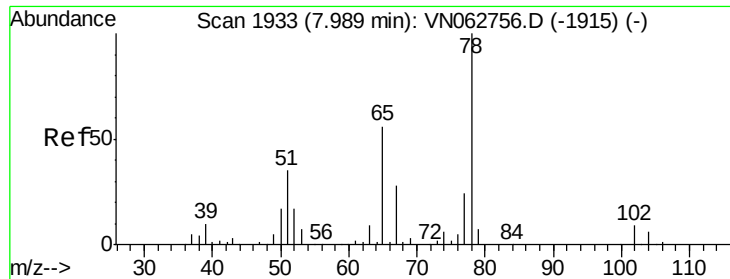
Tgt Ion: 43 Resp: 3988
Ion Ratio Lower Upper
43 100
72 18.4 21.1 31.7#



#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062954.D
Acq: 14 Aug 2020 23:46

Tgt Ion: 56 Resp: 4590
Ion Ratio Lower Upper
56 100
69 190.3 28.1 42.1#
84 149.1 66.8 100.2#

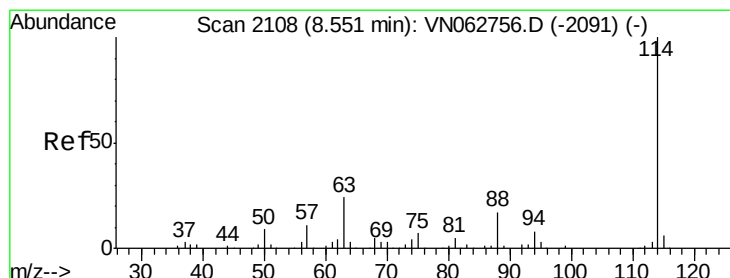
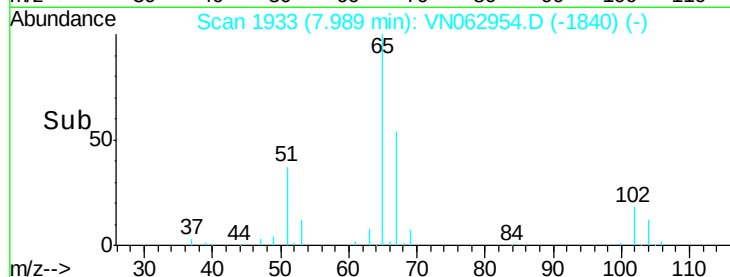
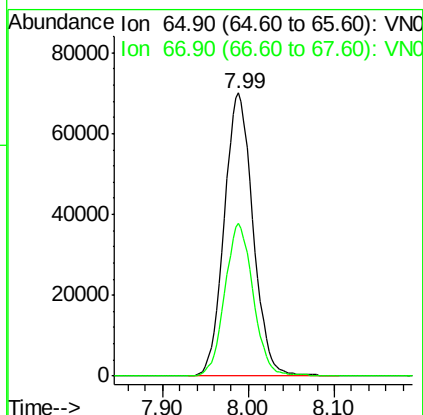
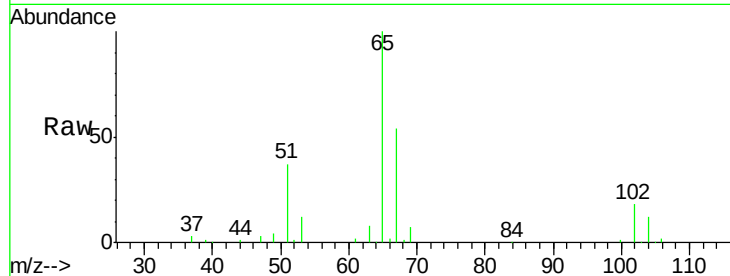




#33
 1,2-Dichloroethane-d4
 Concen: 50.279 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062954.D
 Acq: 14 Aug 2020 23:46

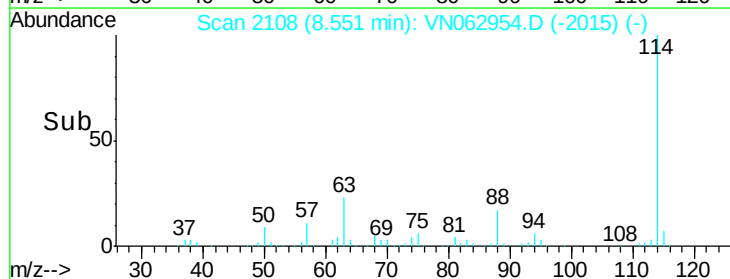
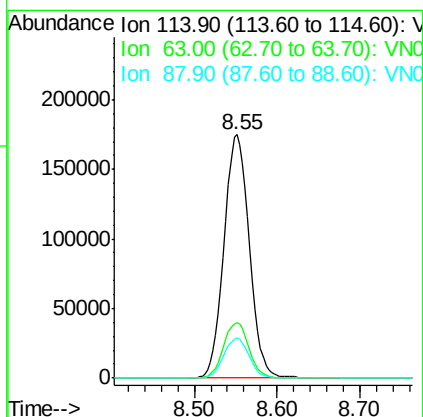
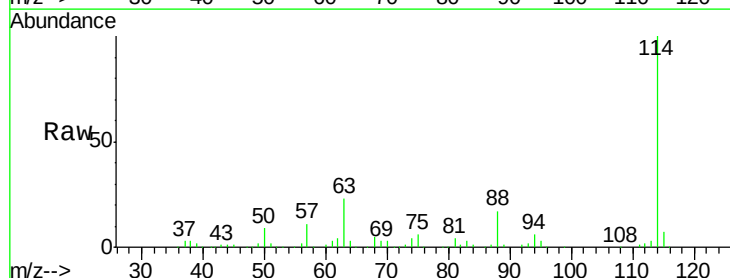
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 FB-01-081320

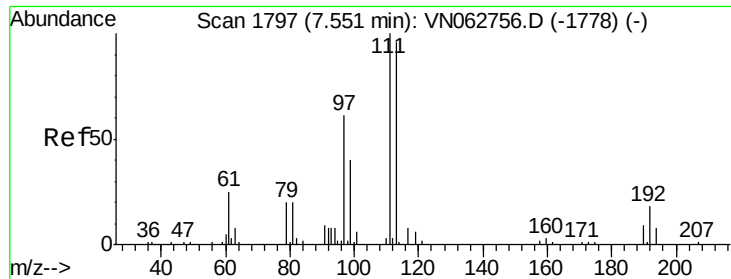
Tgt Ion: 65 Resp: 162744
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062954.D
 Acq: 14 Aug 2020 23:46

Tgt Ion: 114 Resp: 371074
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.6
 88 16.5 0.0 34.4

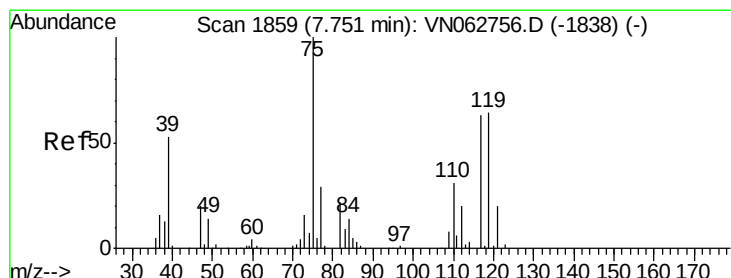
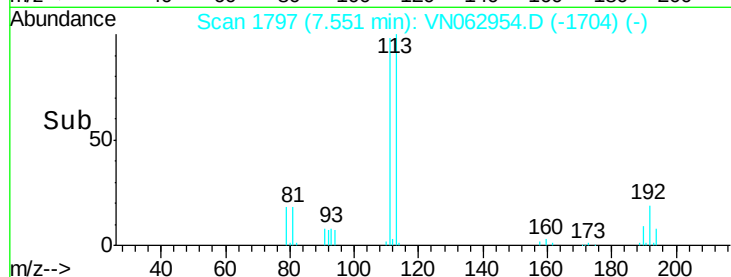
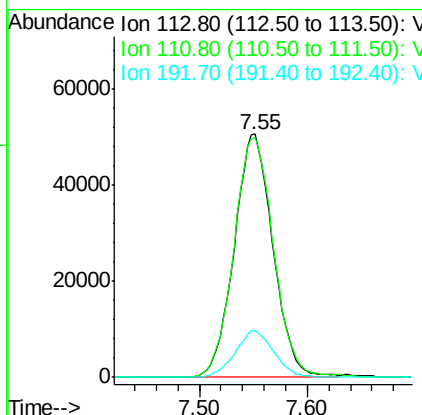
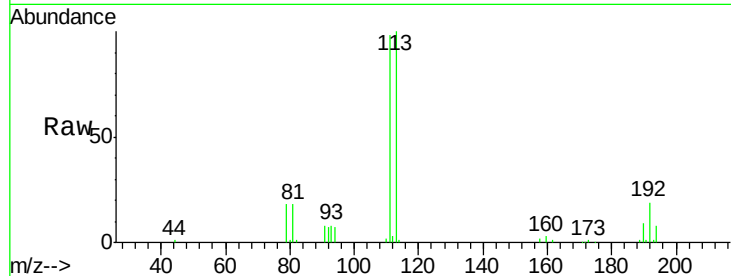




#35
 Dibromofluoromethane
 Concen: 49.843 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062954.D
 Acq: 14 Aug 2020 23:46

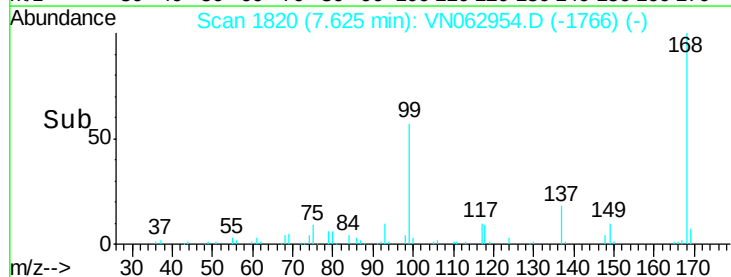
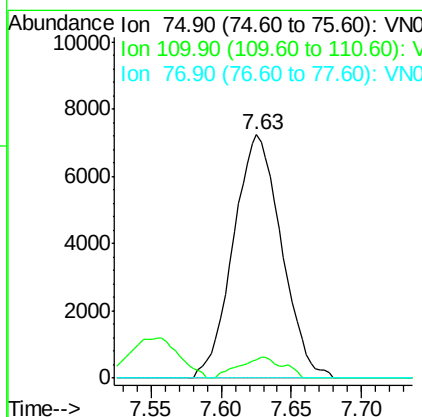
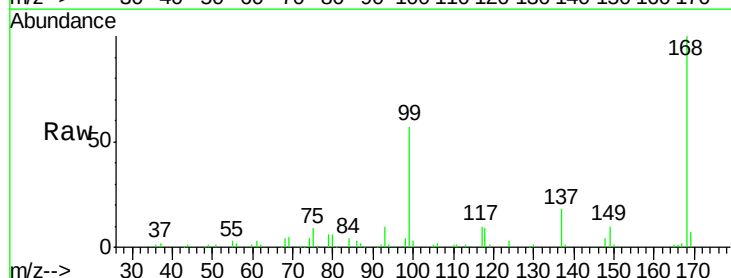
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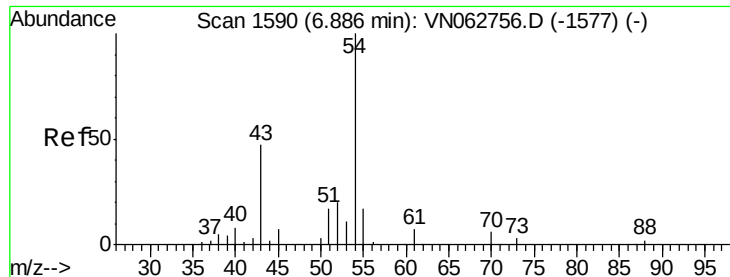
Tgt Ion: 113 Resp: 126518
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.8 122.6
 192 19.0 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.782 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062954.D
 Acq: 14 Aug 2020 23:46

Tgt Ion: 75 Resp: 17278
 Ion Ratio Lower Upper
 75 100
 110 7.9 15.6 46.7#
 77 0.0 24.1 36.1#





#37

Ethyl Acetate

Concen: 0.672 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.02 min

Lab File: VN062954.D

Acq: 14 Aug 2020 23:46

Instrument :

MSVOA_N

ClientSampleId :

FB-01-081320

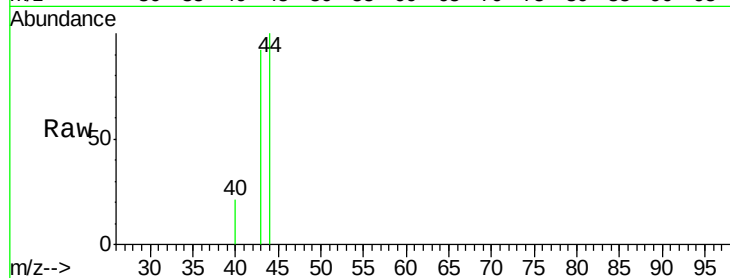
Tgt Ion: 43 Resp: 2536

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

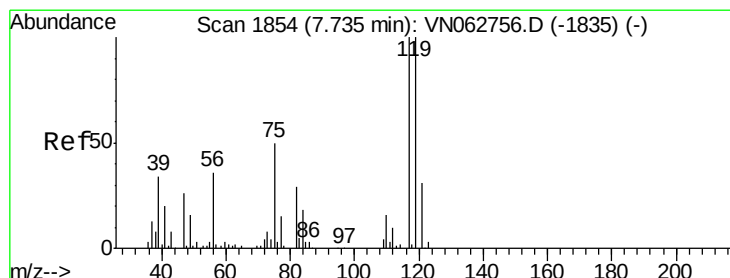
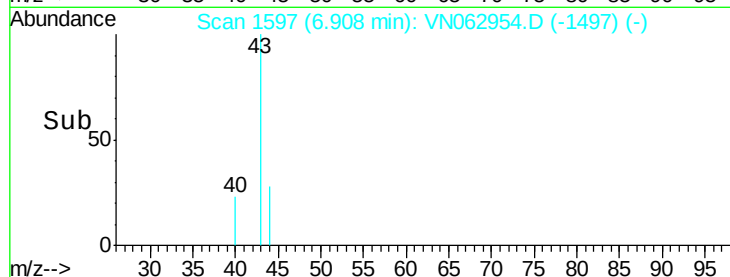
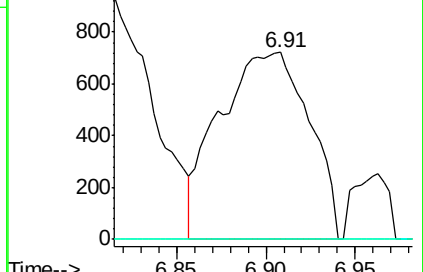
70 0.0 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-1577) (-)

Ion 60.90 (60.60 to 61.60): VN062756.D (-1577) (-)

Ion 70.00 (69.70 to 70.70): VN062756.D (-1577) (-)



#38

Carbon Tetrachloride

Concen: 4.523 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN062954.D

Acq: 14 Aug 2020 23:46

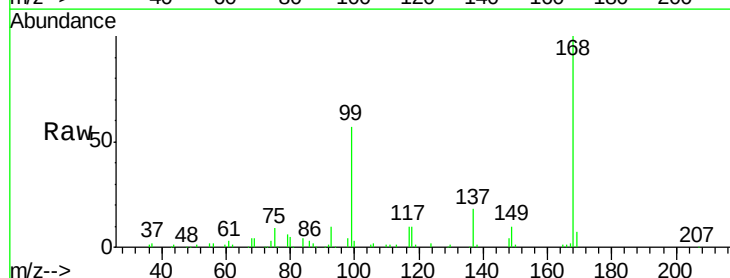
Tgt Ion: 117 Resp: 19328

Ion Ratio Lower Upper

117 100

119 7.3 79.4 119.2#

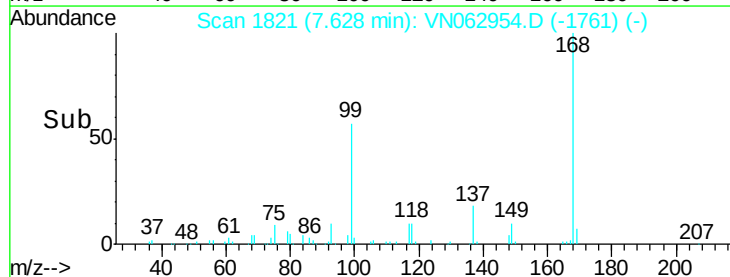
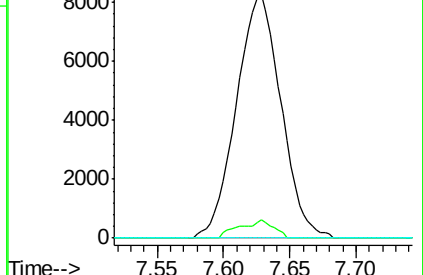
121 0.0 24.9 37.3#

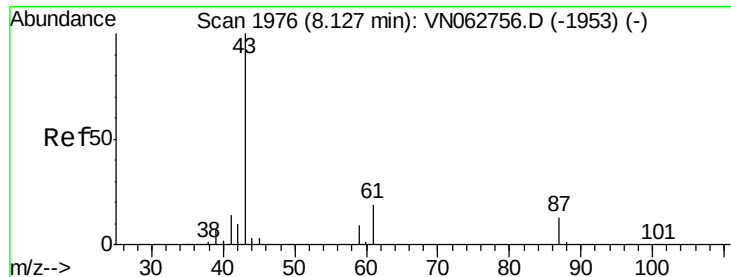


Abundance Ion 116.80 (116.50 to 117.50): VN062756.D (-1835) (-)

Ion 118.80 (118.50 to 119.50): VN062756.D (-1835) (-)

Ion 120.80 (120.50 to 121.50): VN062756.D (-1835) (-)





#43

Isopropyl Acetate

Concen: 3.797 ug/l

RT: 8.24 min Scan# 2011

Delta R.T. 0.11 min

Lab File: VN062954.D

Acq: 14 Aug 2020 23:46

Instrument :

MSVOA_N

ClientSampleId :

FB-01-081320

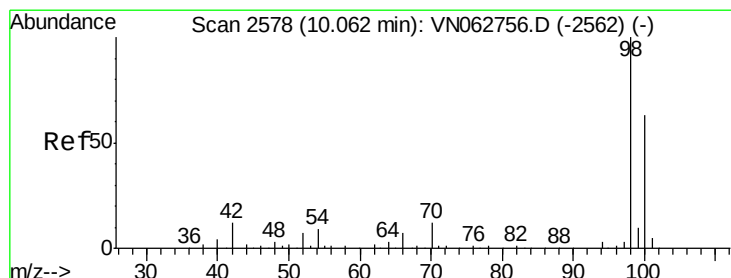
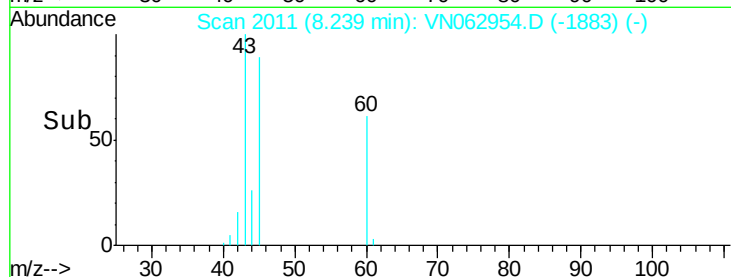
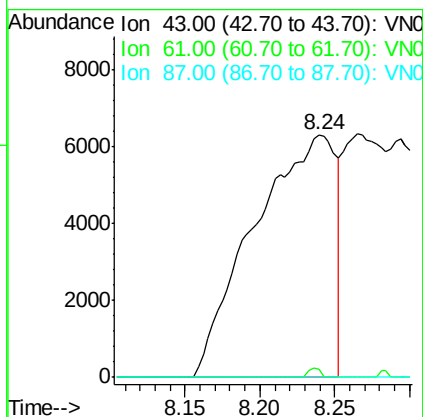
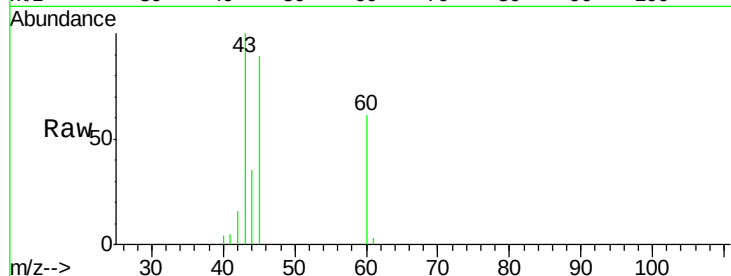
Tgt Ion: 43 Resp: 23901

Ion Ratio Lower Upper

43 100

61 0.5 15.8 23.6#

87 0.0 9.9 14.9#



#50

Toluene-d8

Concen: 46.548 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062954.D

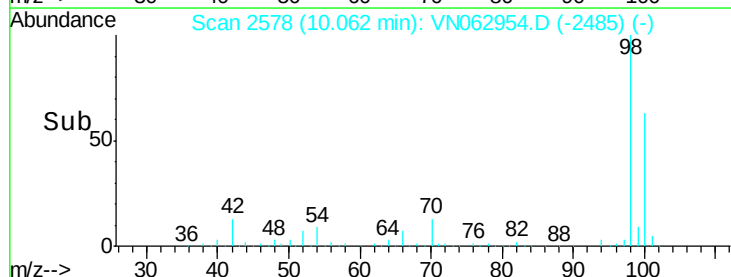
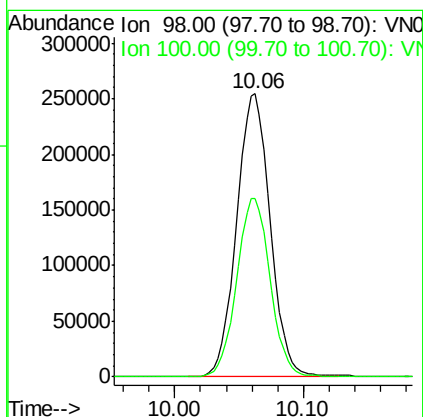
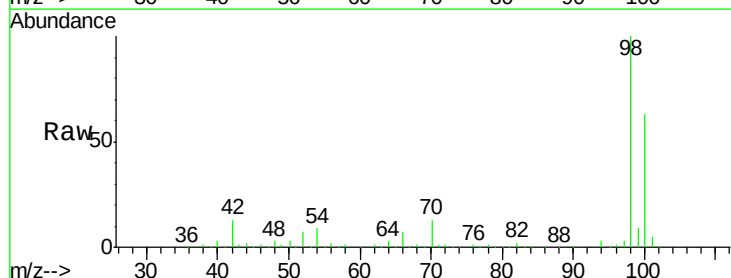
Acq: 14 Aug 2020 23:46

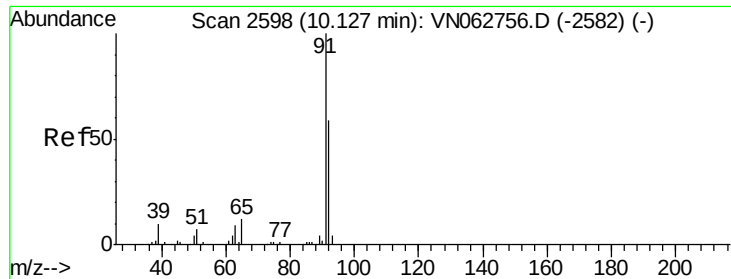
Tgt Ion: 98 Resp: 461289

Ion Ratio Lower Upper

98 100

100 63.1 50.9 76.3





#52

Toluene

Concen: 0.366 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062954.D

Acq: 14 Aug 2020 23:46

Instrument :

MSVOA_N

ClientSampleId :

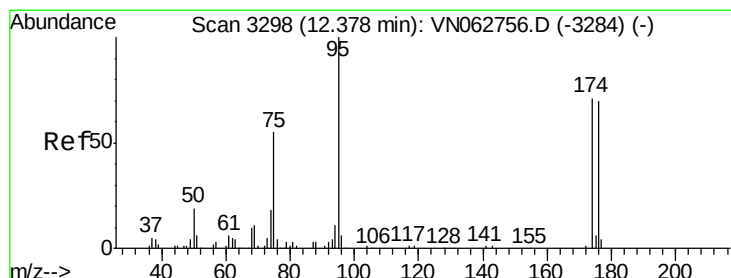
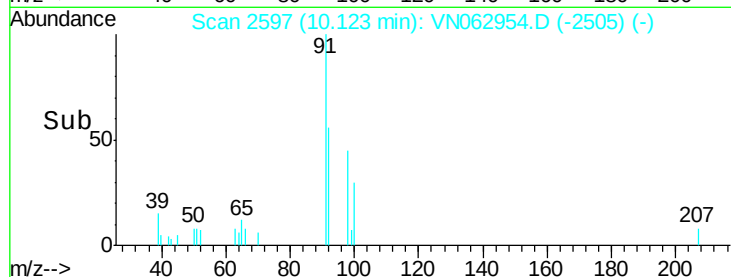
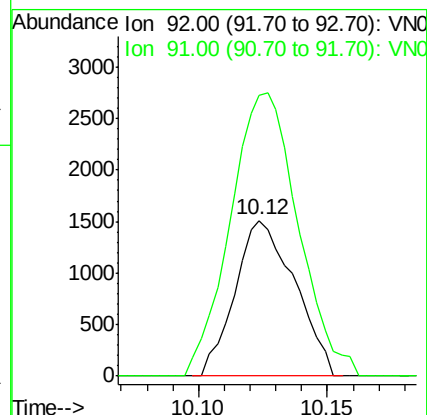
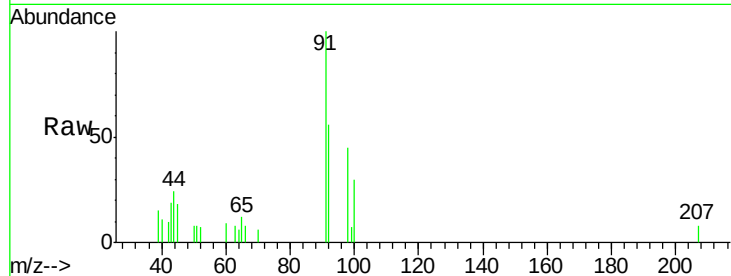
FB-01-081320

Tgt Ion: 92 Resp: 2439

Ion Ratio Lower Upper

92 100

91 205.7 138.9 208.3



#62

4-Bromofluorobenzene

Concen: 42.972 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062954.D

Acq: 14 Aug 2020 23:46

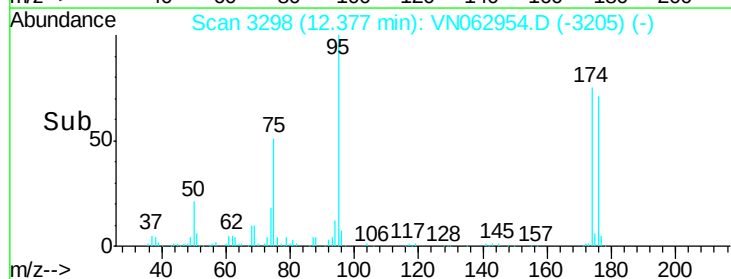
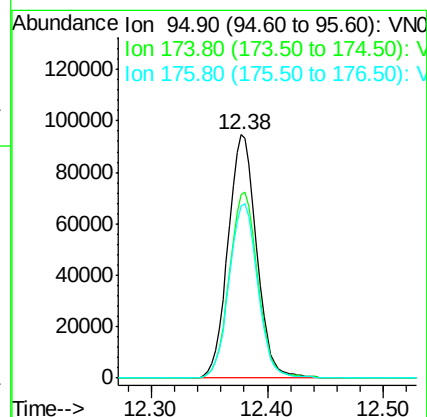
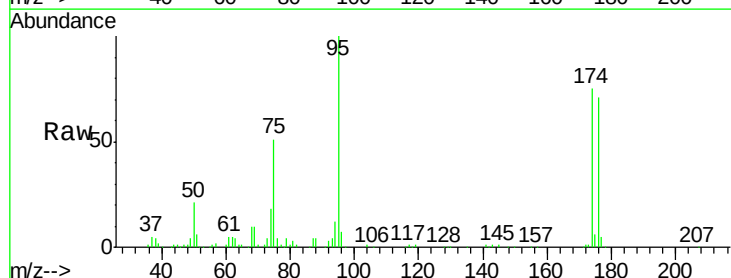
Tgt Ion: 95 Resp: 160930

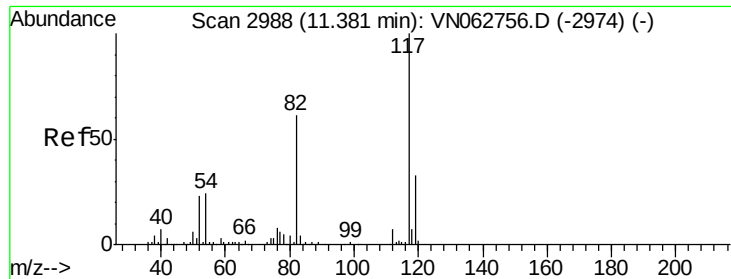
Ion Ratio Lower Upper

95 100

174 76.2 0.0 144.8

176 71.8 0.0 142.2

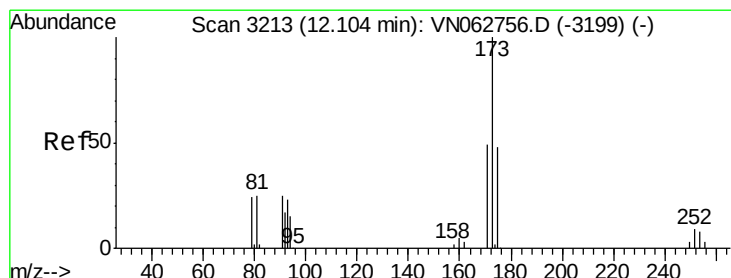
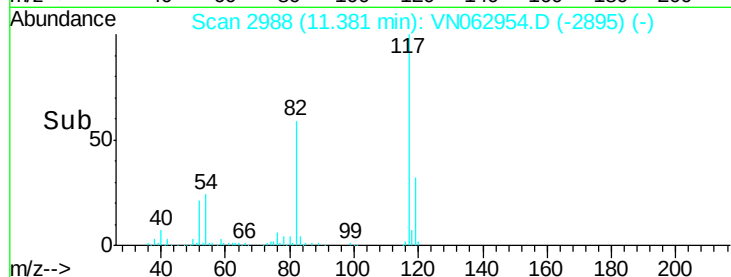
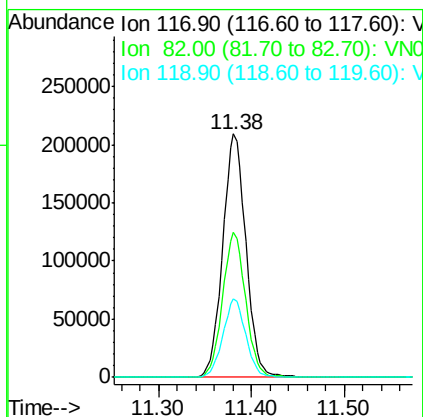
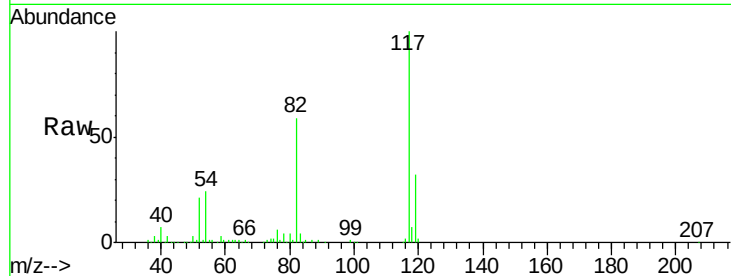




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062954.D
Acq: 14 Aug 2020 23:46

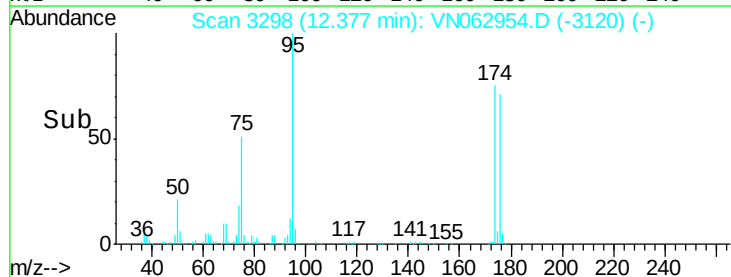
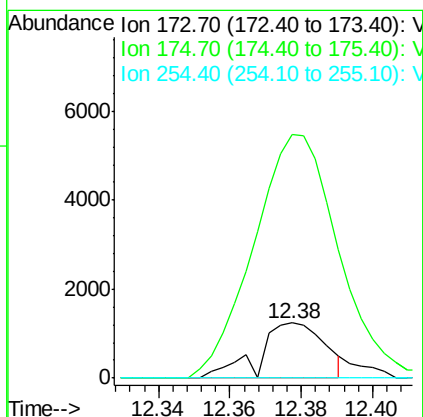
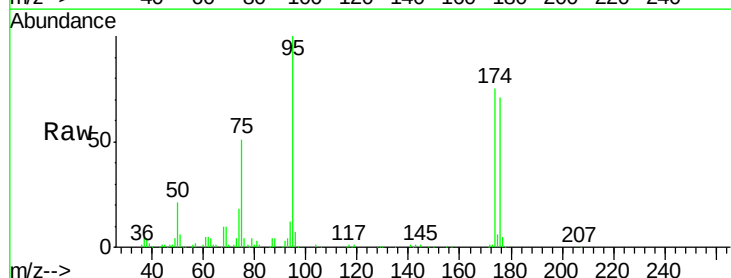
Instrument :
MSVOA_N
ClientSampleId :
FB-01-081320

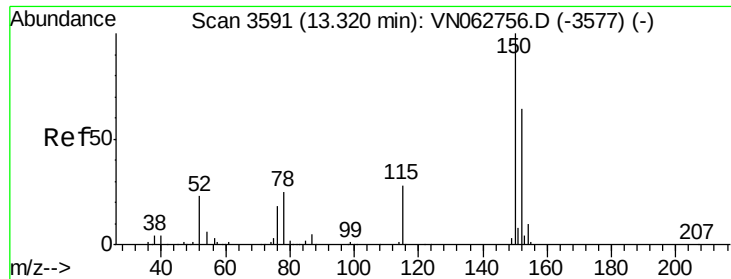
Tgt Ion:117 Resp: 363433
Ion Ratio Lower Upper
117 100
82 59.4 49.0 73.4
119 32.0 26.2 39.2



#71
Bromoform
Concen: 0.626 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.27 min
Lab File: VN062954.D
Acq: 14 Aug 2020 23:46

Tgt Ion:173 Resp: 1563
Ion Ratio Lower Upper
173 100
175 507.9 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062954.D

Acq: 14 Aug 2020 23:46

Instrument :

MSVOA_N

ClientSampled :

FB-01-081320

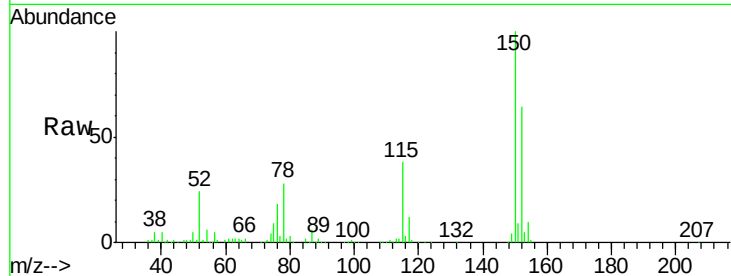
Tgt Ion:152 Resp: 126828

Ion Ratio Lower Upper

152 100

115 59.8 31.6 94.8

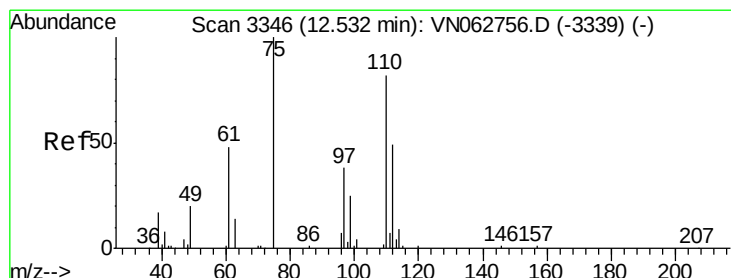
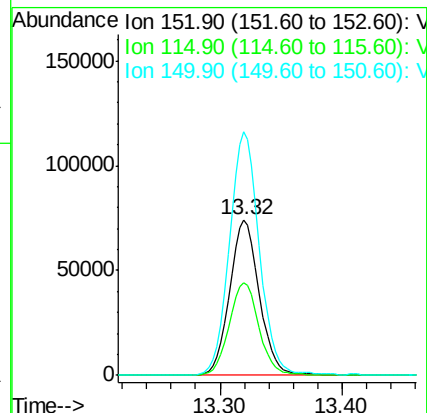
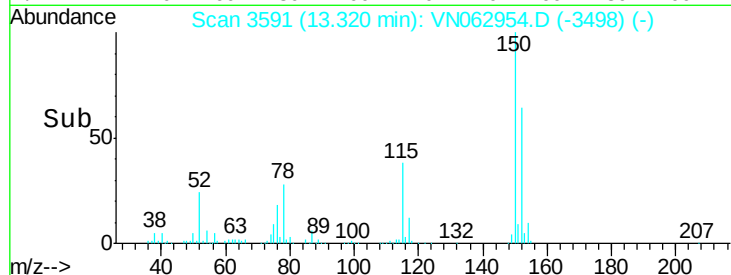
150 157.0 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 24.034 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062954.D

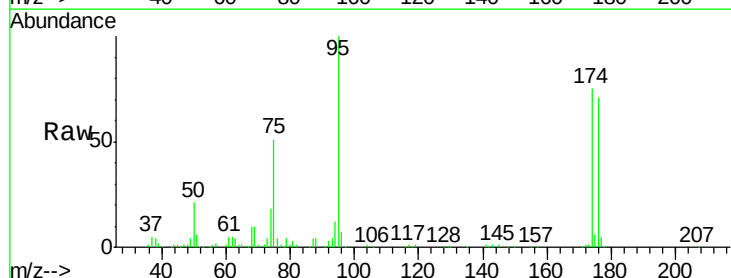
Acq: 14 Aug 2020 23:46

Tgt Ion: 75 Resp: 82206

Ion Ratio Lower Upper

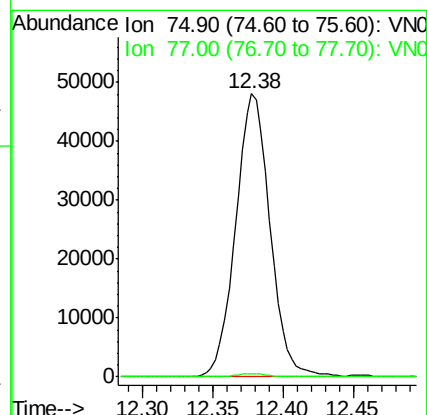
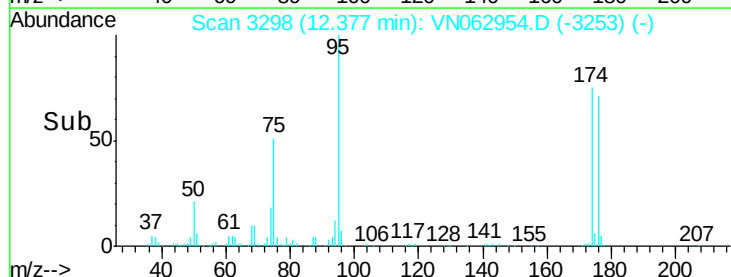
75 100

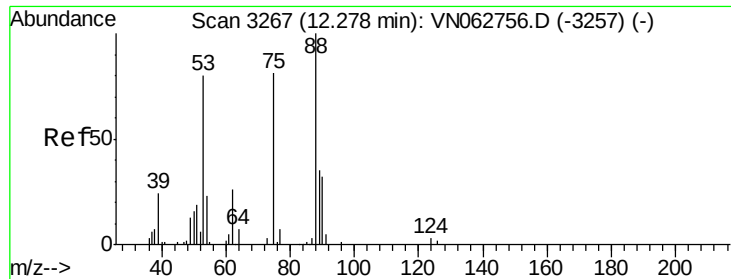
77 0.9 0.0 0.0#



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: 73.369 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062954.D

Acq: 14 Aug 2020 23:46

Instrument :

MSVOA_N

ClientSampleId :

FB-01-081320

Tgt Ion: 75 Resp: 82206

Ion Ratio Lower Upper

75 100

53 0.2 79.1 118.7#

89 0.0 36.2 54.2#

