

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081120\
 Data File : VN062843.D
 Acq On : 11 Aug 2020 20:45
 Operator : JC/MD
 Sample : PB130804TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130804TB

Quant Time: Aug 11 21:24:27 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	119034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	222408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	230073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	84090	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	104162	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
35) Dibromofluoromethane	7.55	113	74994	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	10.06	98	290506	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.38	95	107311	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	

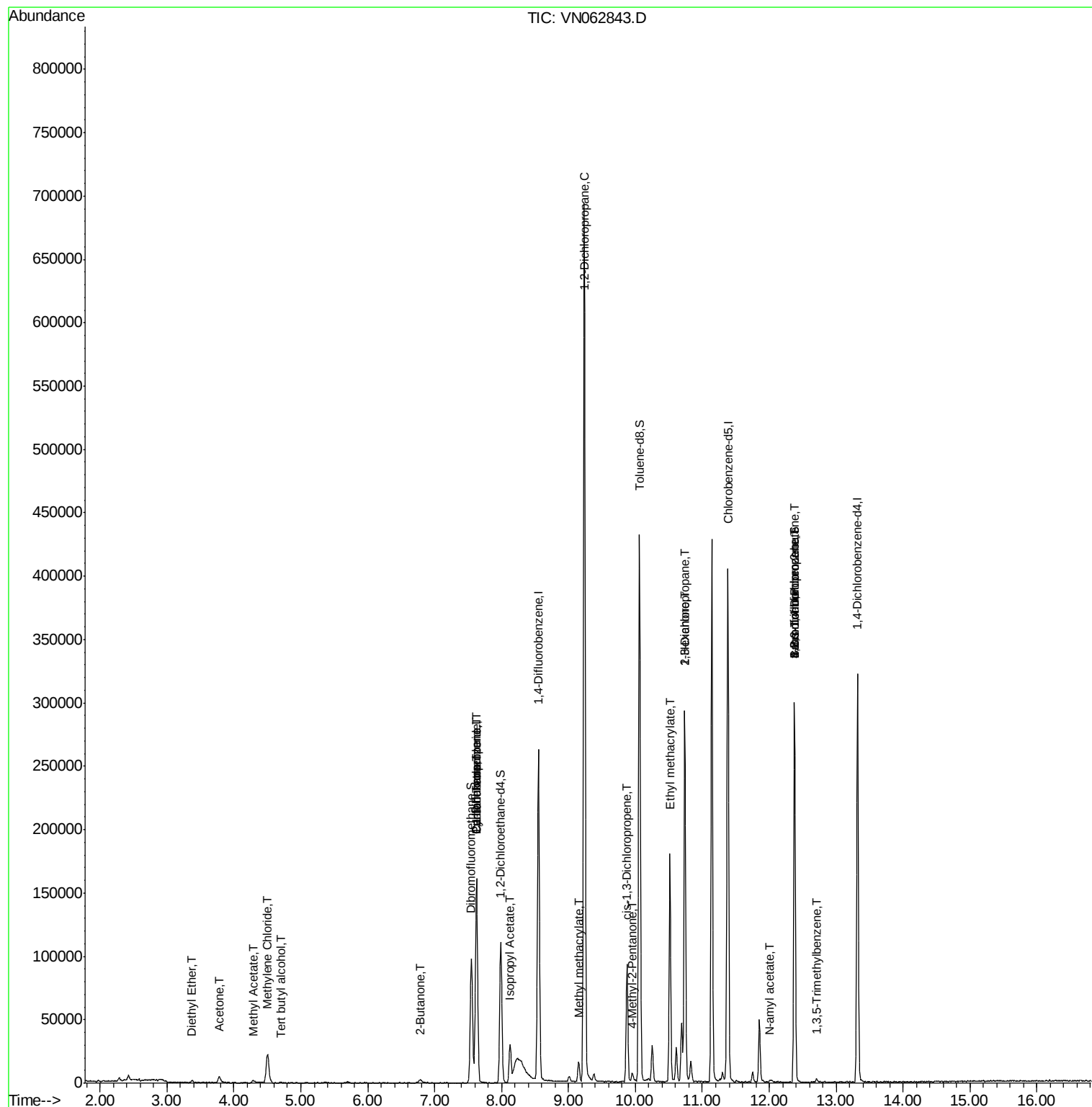
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.37	74	972	1.262	ug/l	96
11) Tert butyl alcohol	4.72	59	132	0.409	ug/l #	72
16) Acetone	3.78	43	8716	12.254	ug/l	95
18) Methyl Acetate	4.29	43	2509	0.370	ug/l #	89
20) Methylene Chloride	4.50	84	16981	12.475	ug/l	97
25) 2-Butanone	6.79	43	2171	2.155	ug/l #	49
31) Cyclohexane	7.63	56	2850	1.194	ug/l #	11
36) 1,1-Dichloropropene	7.62	75	10508	4.852	ug/l #	52
38) Carbon Tetrachloride	7.63	117	12608	4.923	ug/l #	17
43) Isopropyl Acetate	8.13	43	36843	9.764	ug/l	98
45) 1,2-Dichloropropane	9.23	63	420	0.240	ug/l #	45
48) Methyl methacrylate	9.15	41	2314	1.247	ug/l #	13
51) 4-Methyl-2-Pentanone	9.95	43	4548	1.863	ug/l	95
54) cis-1,3-Dichloropropene	9.88	75	16014	5.634	ug/l #	63
56) Ethyl methacrylate	10.52	69	1070	0.417	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2828	0.977	ug/l #	43
59) 2-Hexanone	10.74	43	41210	22.629	ug/l #	54
71) Bromoform	12.38	173	672	0.425	ug/l #	1
74) N-amyl acetate	12.01	43	1892	0.737	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	56694	24.999	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1845	0.336	ug/l	88
81) trans-1,4-Dichloro-2-buten	12.38	75	56694	76.316	ug/l #	10

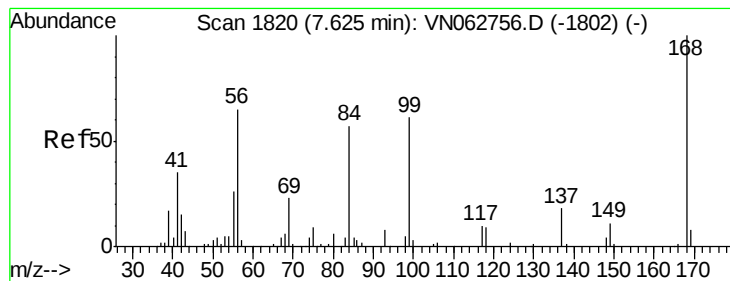
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081120\
Data File : VN062843.D
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Quant Time: Aug 11 21:24:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
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: VN062843.D

Acq: 11 Aug 2020 20:45

Instrument :

MSVOA_N

ClientSampleId :

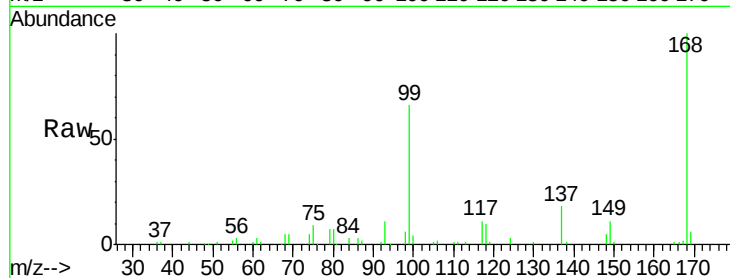
PB130804TB

Tgt Ion:168 Resp: 119034

Ion Ratio Lower Upper

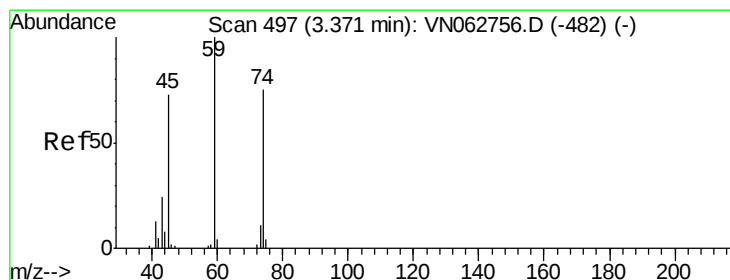
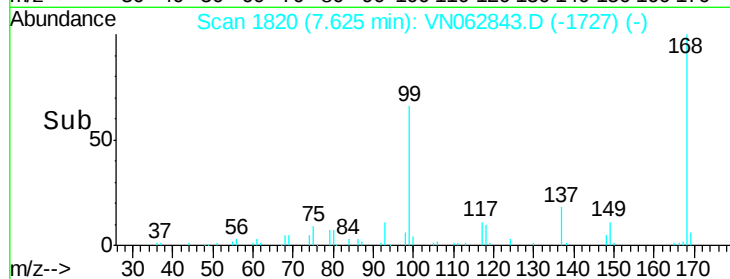
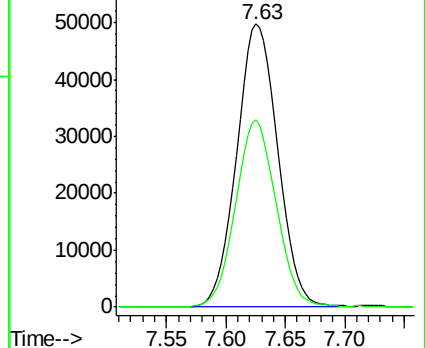
168 100

99 66.2 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#8

Diethyl Ether

Concen: 1.262 ug/l

RT: 3.37 min Scan# 497

Delta R.T. -0.00 min

Lab File: VN062843.D

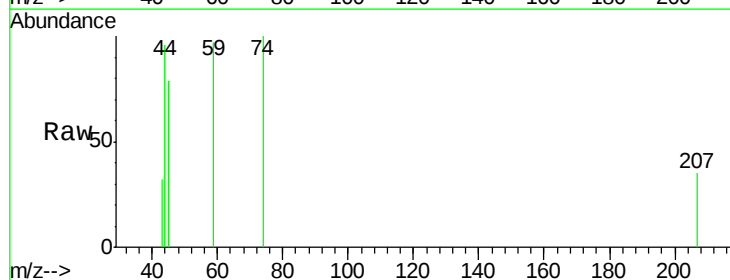
Acq: 11 Aug 2020 20:45

Tgt Ion: 74 Resp: 972

Ion Ratio Lower Upper

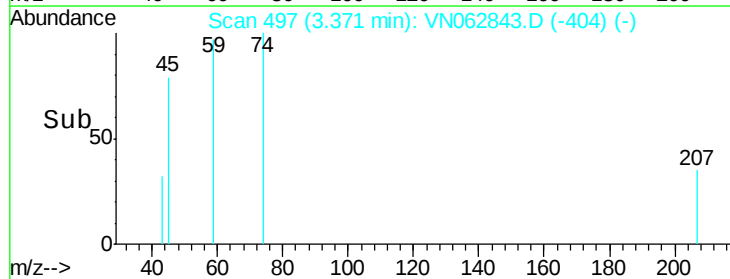
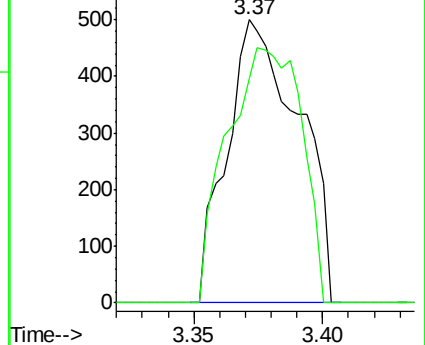
74 100

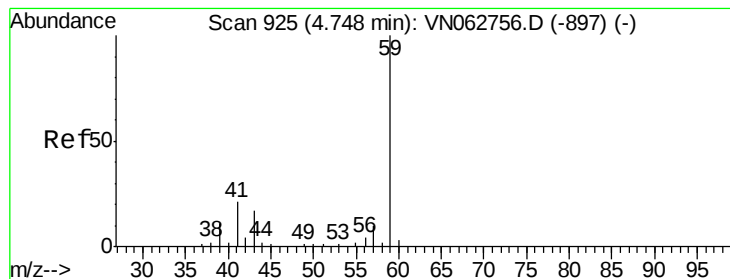
45 93.6 48.7 146.1



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN



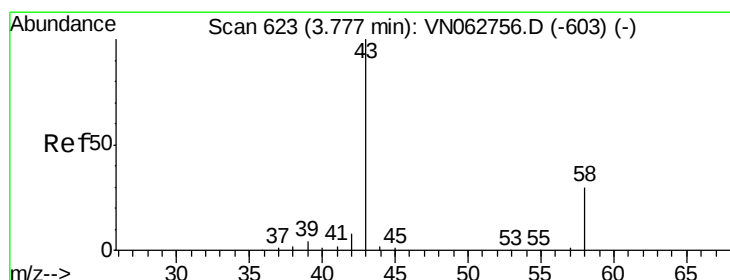
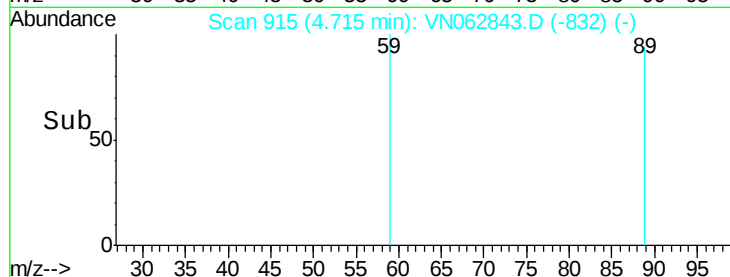
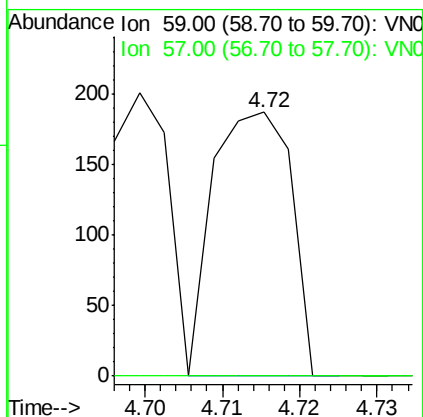
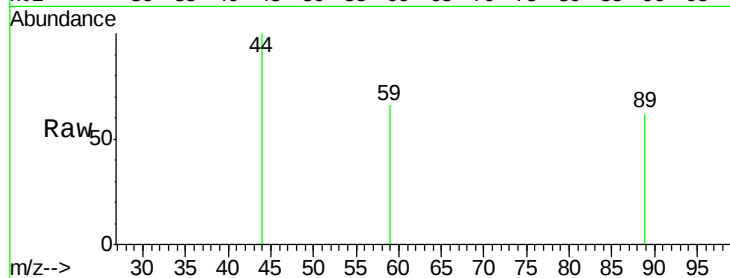


#11

Tert butyl alcohol
 Concen: 0.409 ug/l
 RT: 4.72 min Scan# 915
 Delta R.T. -0.03 min
 Lab File: VN062843.D
 Acq: 11 Aug 2020 20:45

Instrument :
 MSVOA_N
 ClientSampled :
 PB130804TB

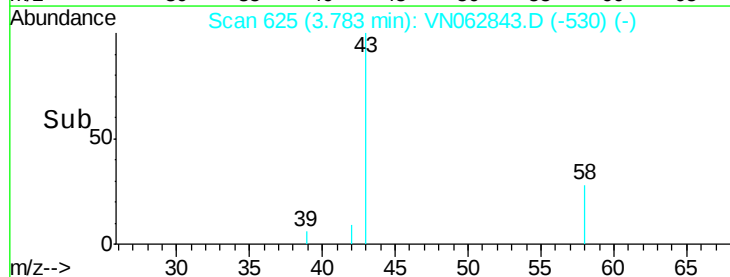
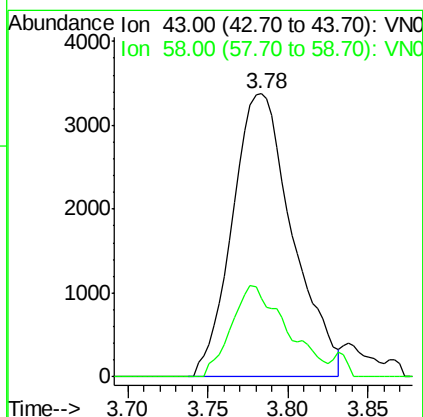
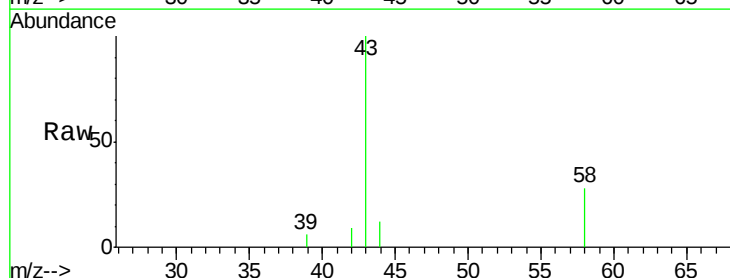
Tgt Ion: 59 Resp: 132
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

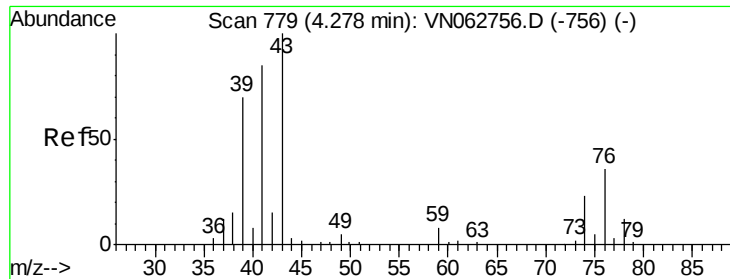


#16

Acetone
 Concen: 12.254 ug/l
 RT: 3.78 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: VN062843.D
 Acq: 11 Aug 2020 20:45

Tgt Ion: 43 Resp: 8716
 Ion Ratio Lower Upper
 43 100
 58 27.5 24.1 36.1

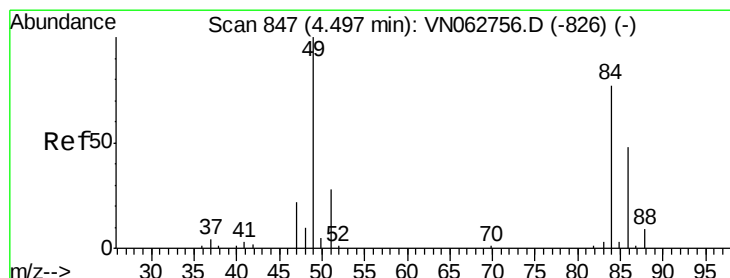
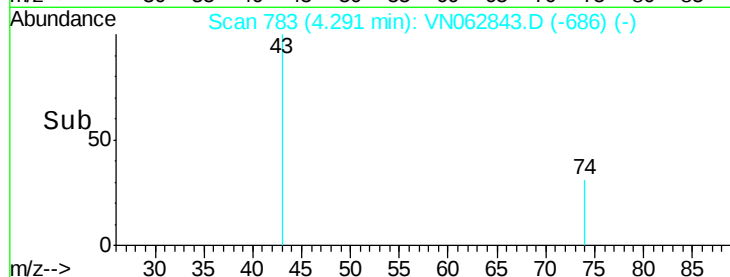
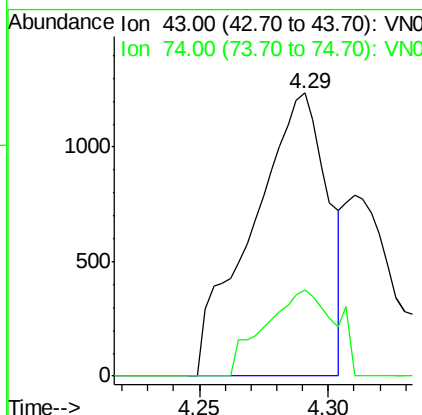
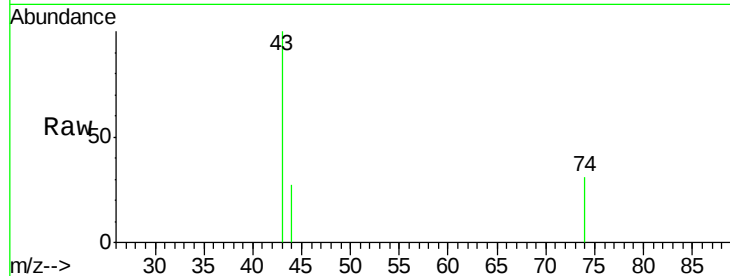




#18
Methyl Acetate
Concen: 0.370 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.01 min
Lab File: VN062843.D
Acq: 11 Aug 2020 20:45

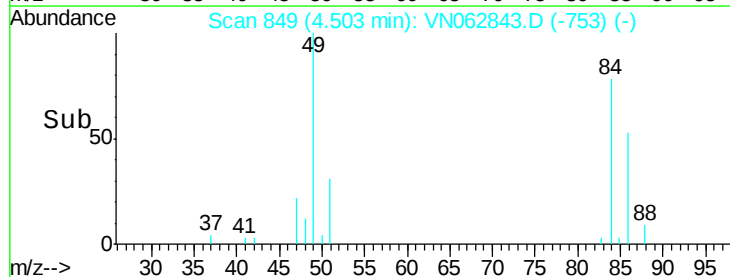
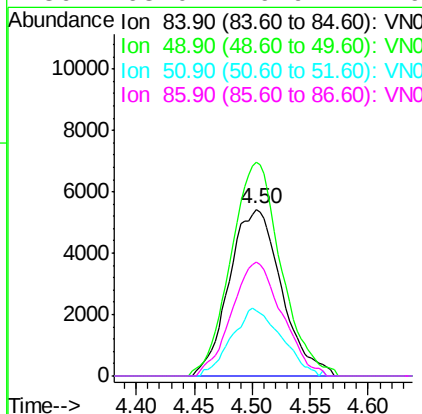
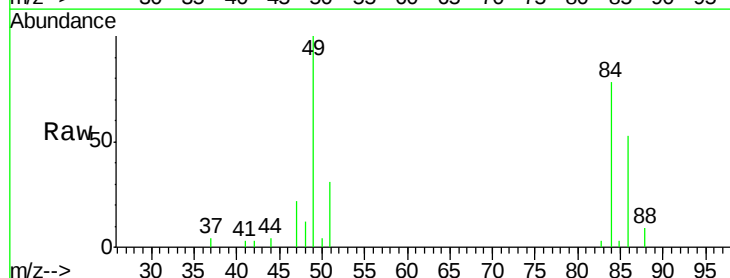
Instrument :
MSVOA_N
ClientSampled :
PB130804TB

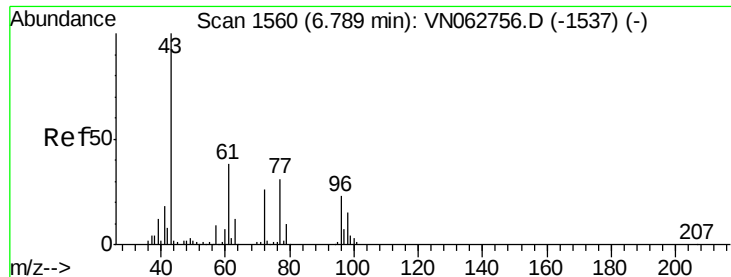
Tgt Ion: 43 Resp: 2509
Ion Ratio Lower Upper
43 100
74 28.5 18.6 28.0#



#20
Methylene Chloride
Concen: 12.475 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062843.D
Acq: 11 Aug 2020 20:45

Tgt Ion: 84 Resp: 16981
Ion Ratio Lower Upper
84 100
49 128.2 103.4 155.2
51 39.2 29.3 43.9
86 68.0 49.9 74.9

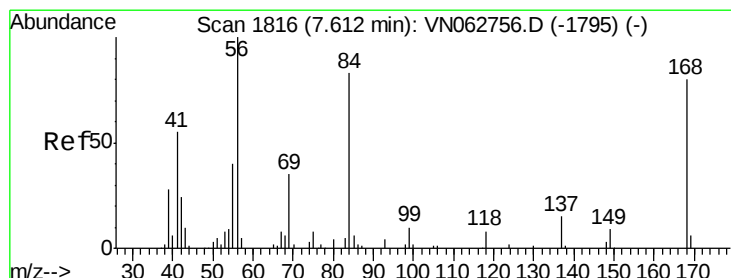
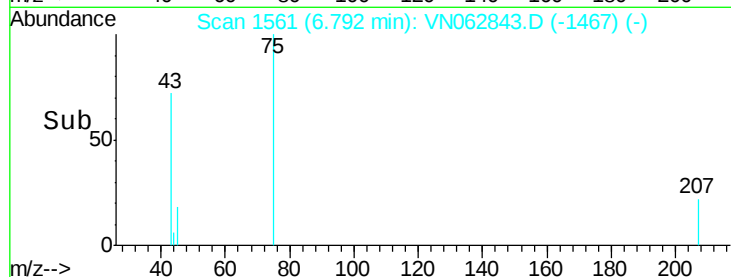
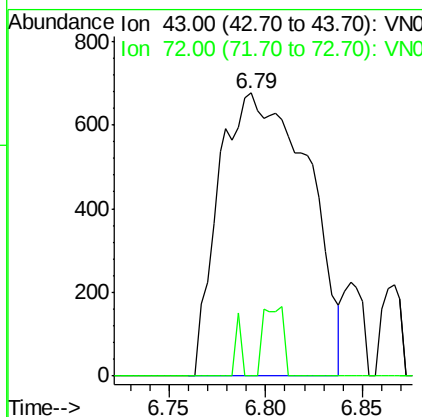
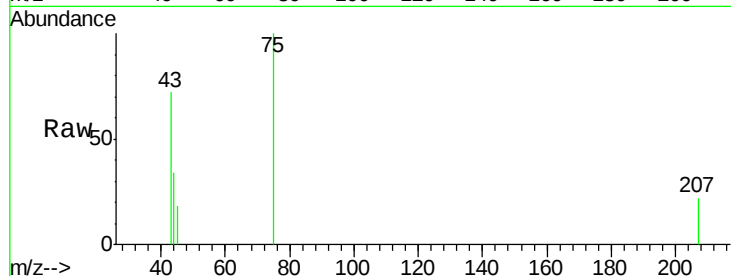




#25
2-Butanone
Concen: 2.155 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN062843.D
Acq: 11 Aug 2020 20:45

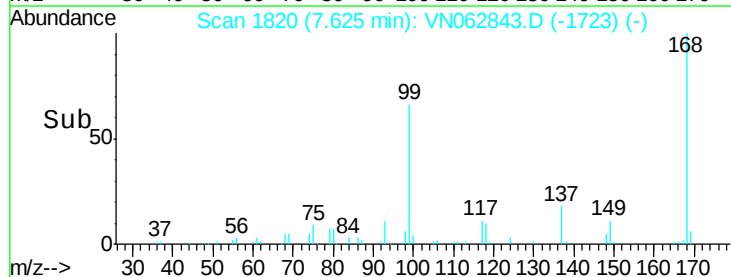
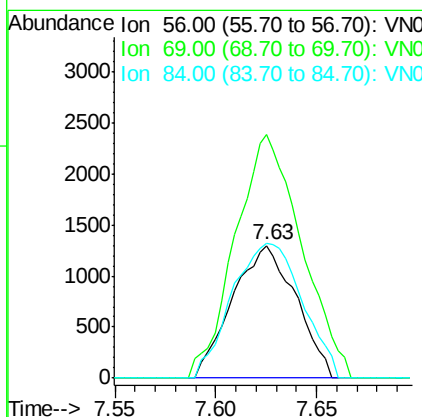
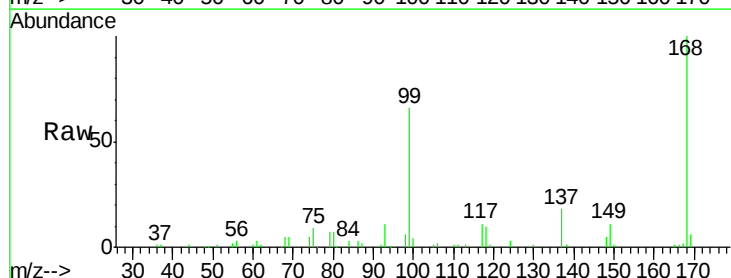
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PB130804TB

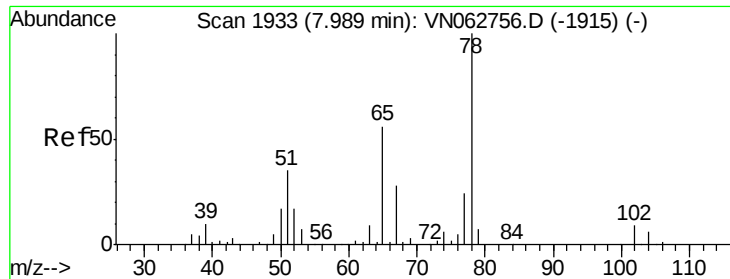
Tgt Ion: 43 Resp: 2171
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062843.D
Acq: 11 Aug 2020 20:45

Tgt Ion: 56 Resp: 2850
Ion Ratio Lower Upper
56 100
69 183.5 28.1 42.1#
84 101.4 66.8 100.2#





#33

1,2-Dichloroethane-d4

Concen: 52.916 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062843.D

Acq: 11 Aug 2020 20:45

Instrument :

MSVOA_N

ClientSampleId :

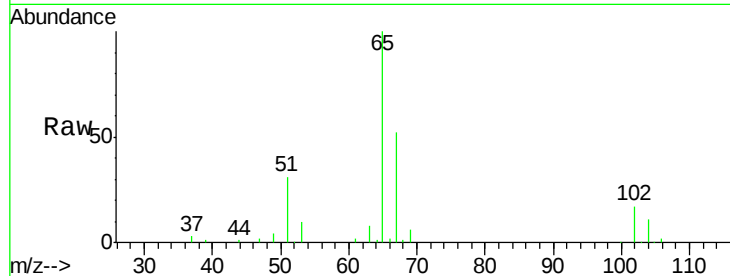
PB130804TB

Tgt Ion: 65 Resp: 104162

Ion Ratio Lower Upper

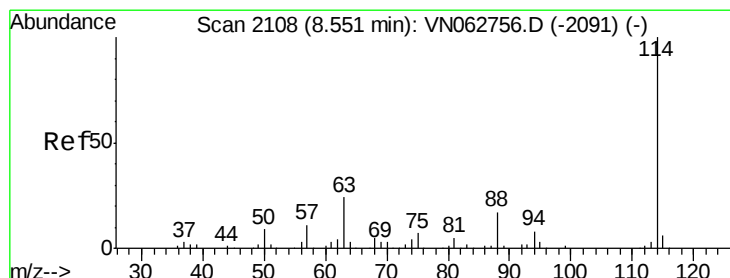
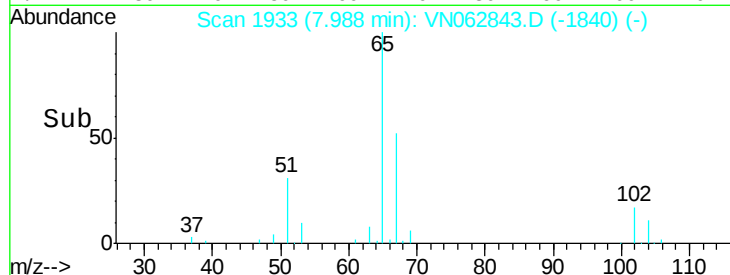
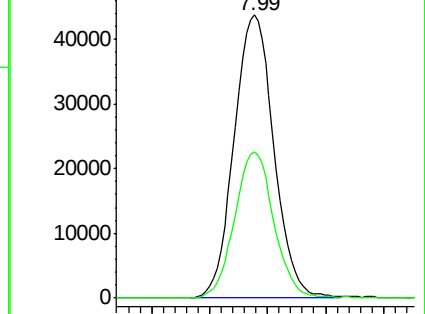
65 100

67 50.8 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN062756.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062756.D (-1915) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062843.D

Acq: 11 Aug 2020 20:45

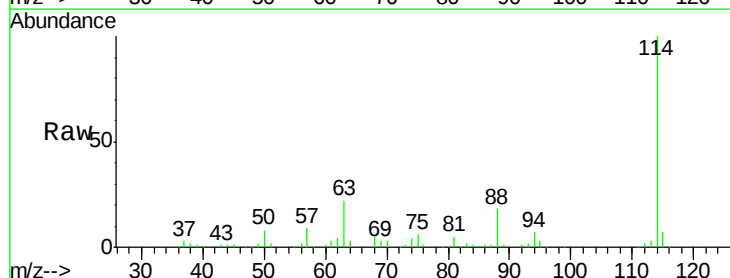
Tgt Ion: 114 Resp: 222408

Ion Ratio Lower Upper

114 100

63 22.3 0.0 47.6

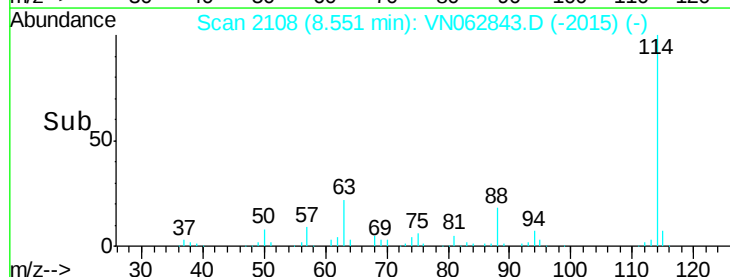
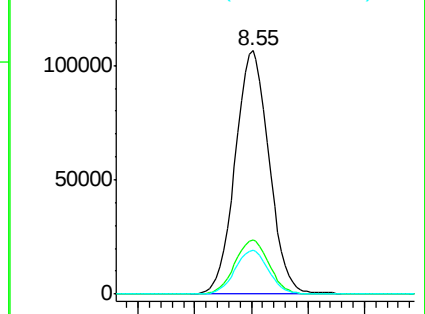
88 18.0 0.0 34.4

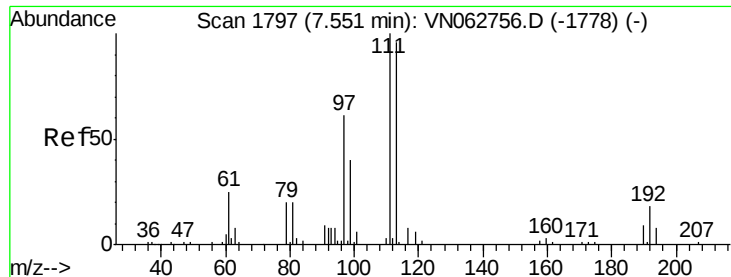


Abundance Ion 113.90 (113.60 to 114.60): VN062756.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN062756.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN062756.D (-2091) (-)

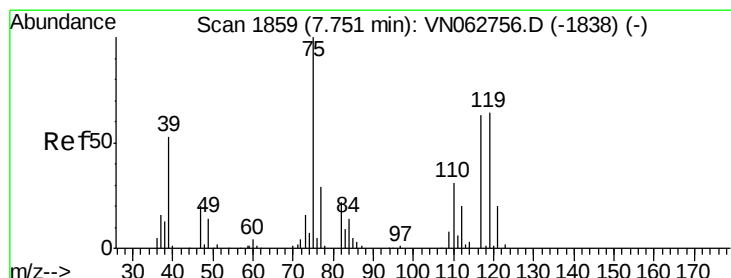
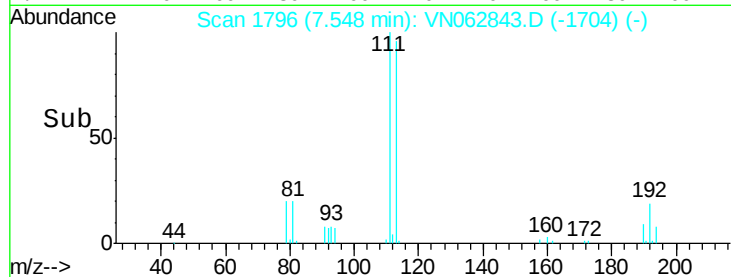
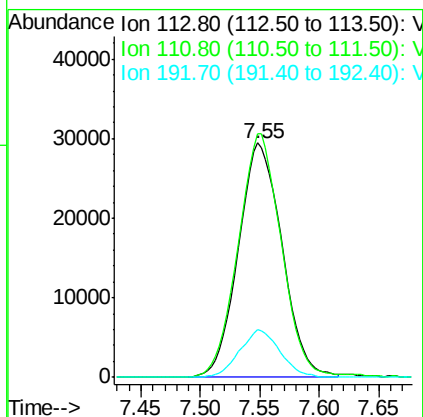
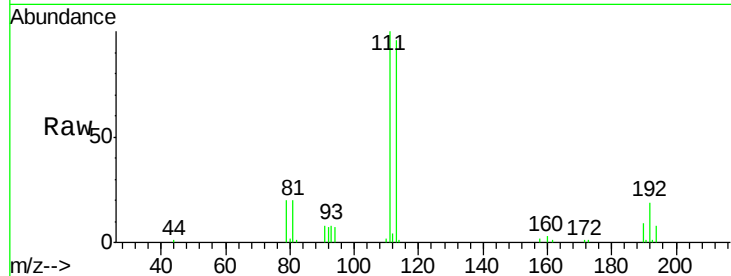




#35
 Dibromofluoromethane
 Concen: 49.293 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062843.D
 Acq: 11 Aug 2020 20:45

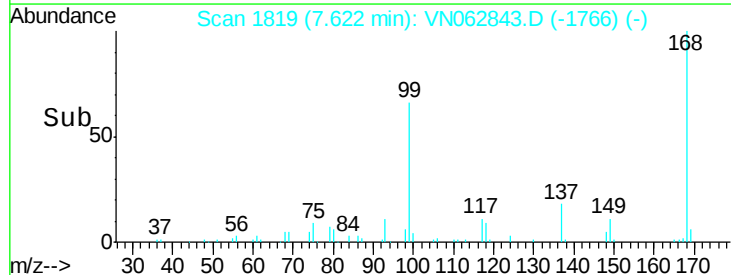
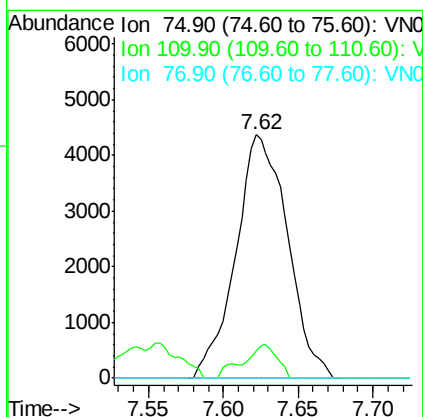
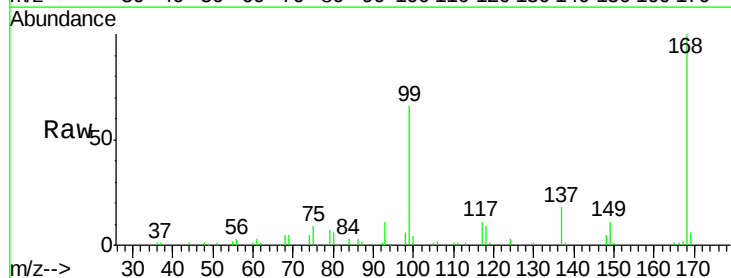
Instrument :
 MSVOA_N
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 PB130804TB

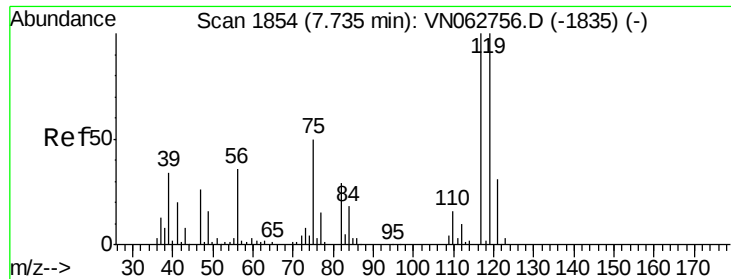
Tgt Ion:113 Resp: 74994
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.8 122.6
 192 18.7 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.852 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062843.D
 Acq: 11 Aug 2020 20:45

Tgt Ion: 75 Resp: 10508
 Ion Ratio Lower Upper
 75 100
 110 8.9 15.6 46.7#
 77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 4.923 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN062843.D

Acq: 11 Aug 2020 20:45

Instrument :

MSVOA_N

ClientSampled :

PB130804TB

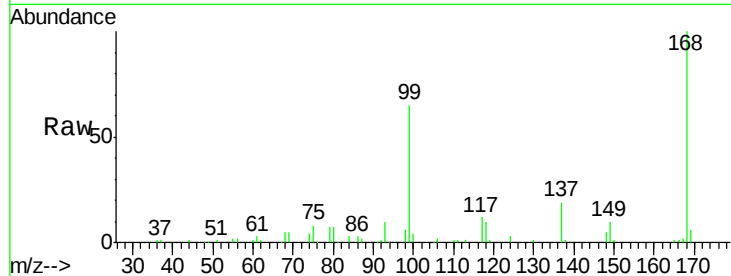
Tgt Ion: 117 Resp: 12608

Ion Ratio Lower Upper

117 100

119 8.2 79.4 119.2#

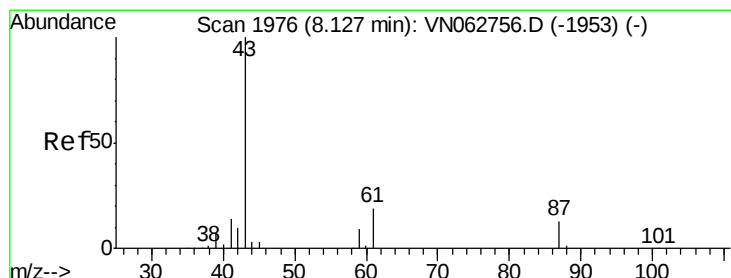
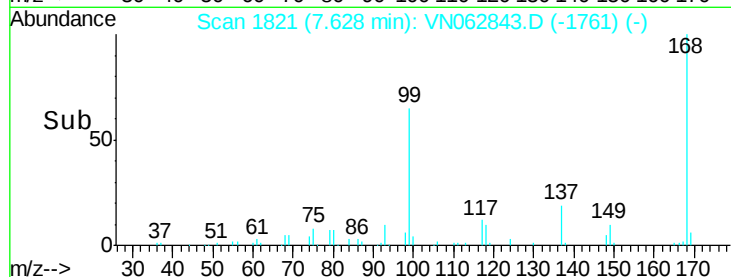
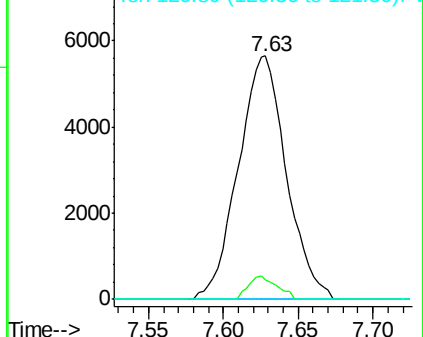
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.764 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN062843.D

Acq: 11 Aug 2020 20:45

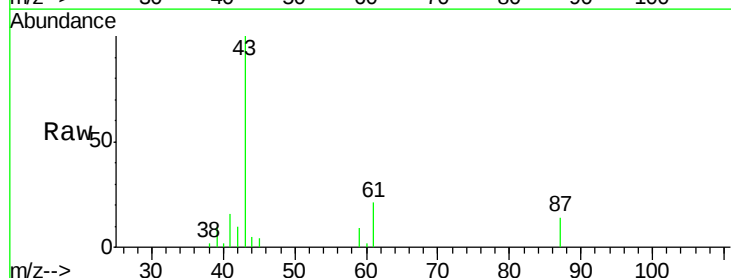
Tgt Ion: 43 Resp: 36843

Ion Ratio Lower Upper

43 100

61 20.5 15.8 23.6

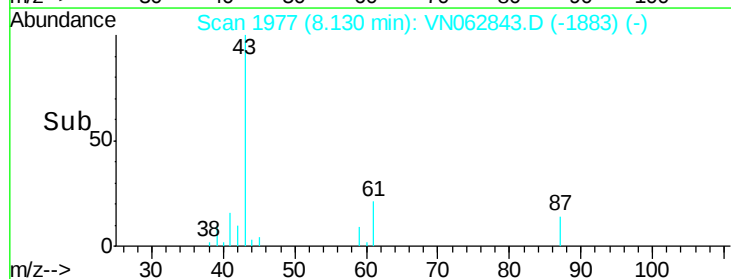
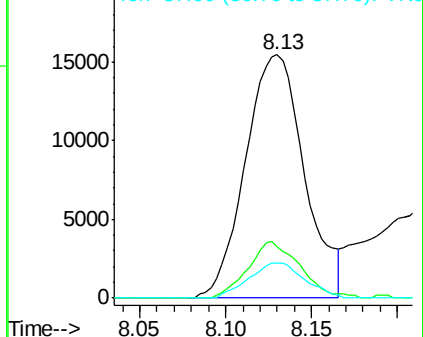
87 13.5 9.9 14.9

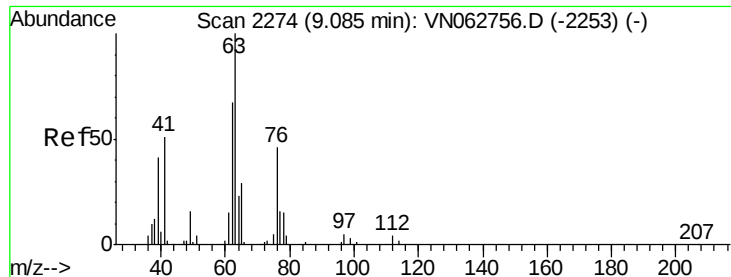


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.240 ug/l

RT: 9.23 min Scan# 2318

Delta R.T. 0.14 min

Lab File: VN062843.D

Acq: 11 Aug 2020 20:45

Instrument :

MSVOA_N

ClientSampled :

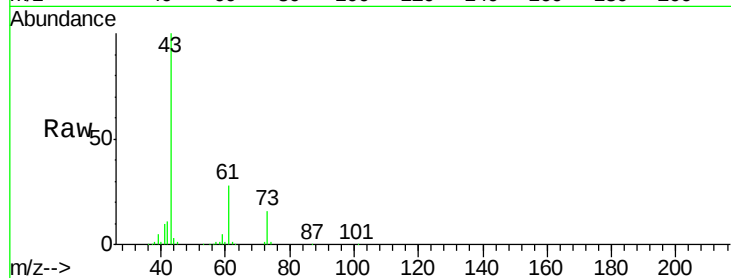
PB130804TB

Tgt Ion: 63 Resp: 420

Ion Ratio Lower Upper

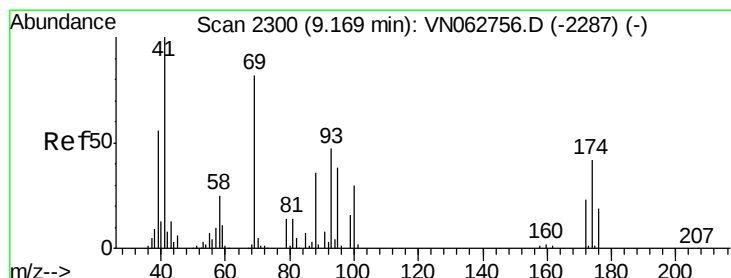
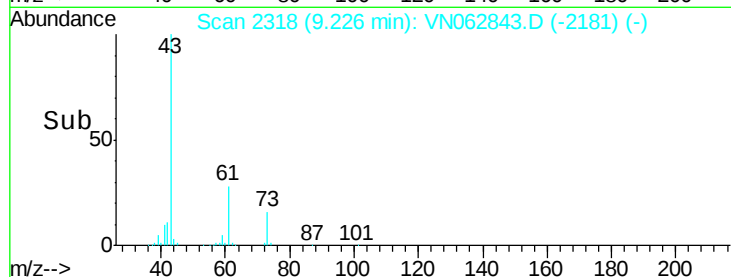
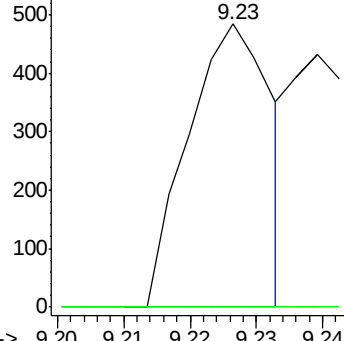
63 100

65 0.0 23.5 35.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.247 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. -0.02 min

Lab File: VN062843.D

Acq: 11 Aug 2020 20:45

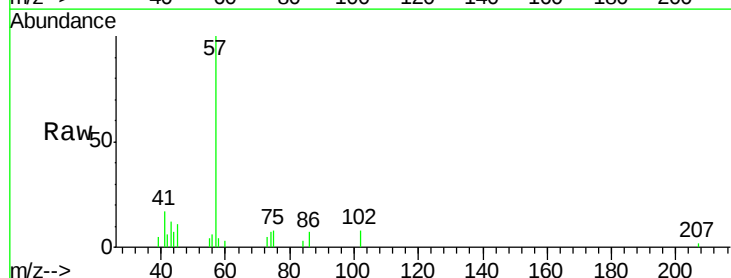
Tgt Ion: 41 Resp: 2314

Ion Ratio Lower Upper

41 100

69 0.0 67.4 101.2#

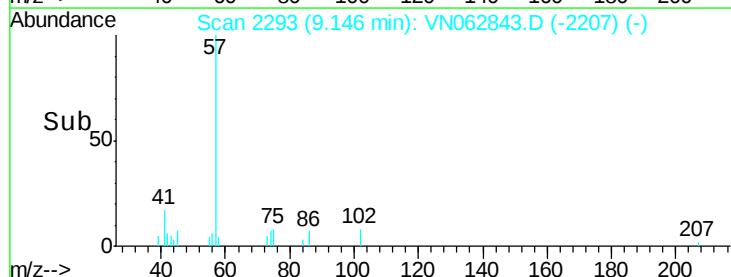
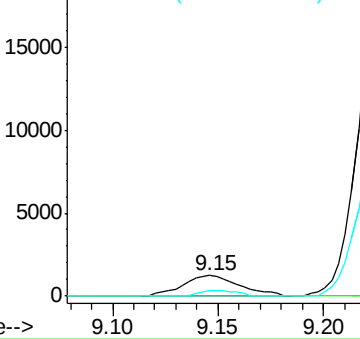
39 0.0 47.6 71.4#

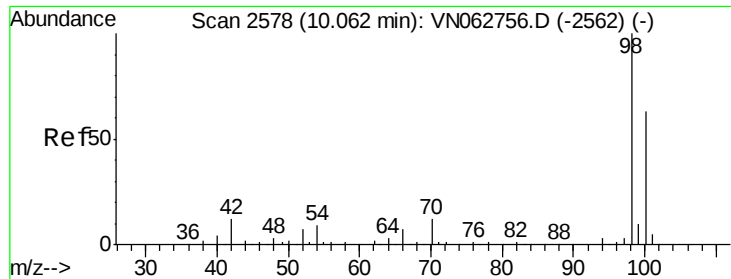


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 48.910 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062843.D

Acq: 11 Aug 2020 20:45

Instrument :

MSVOA_N

ClientSampleId :

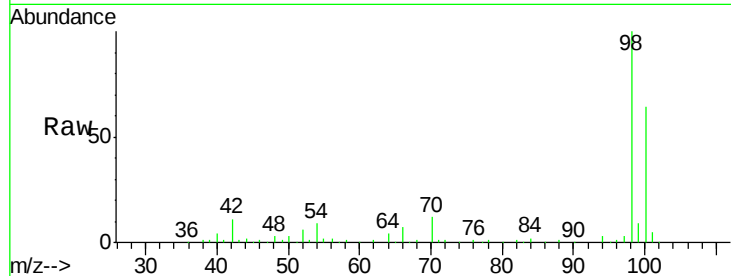
PB130804TB

Tgt Ion: 98 Resp: 290506

Ion Ratio Lower Upper

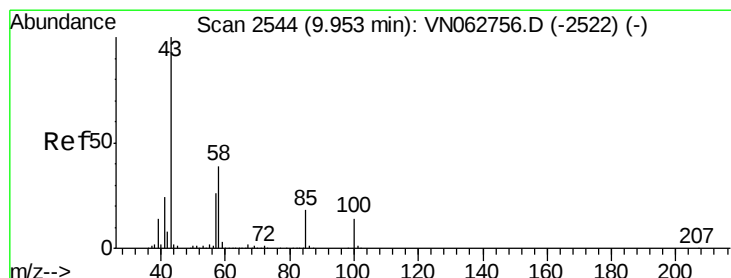
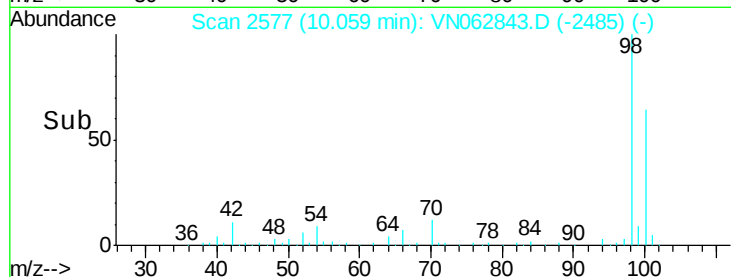
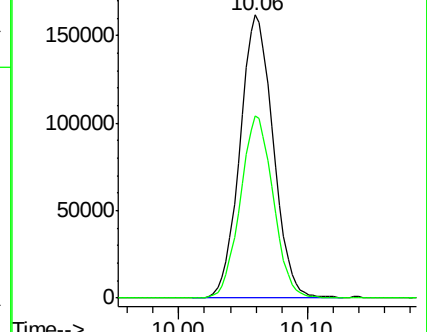
98 100

100 63.6 50.9 76.3



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

Ion 100.00 (99.70 to 100.70): VN062756.D (-2562) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.863 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062843.D

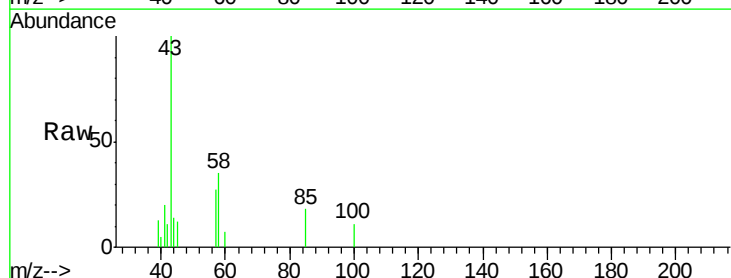
Acq: 11 Aug 2020 20:45

Tgt Ion: 43 Resp: 4548

Ion Ratio Lower Upper

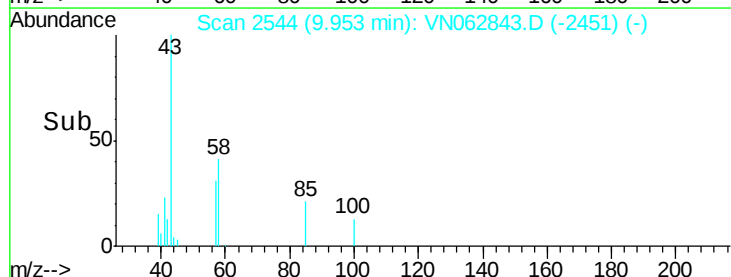
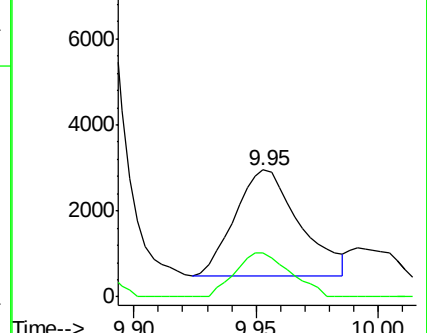
43 100

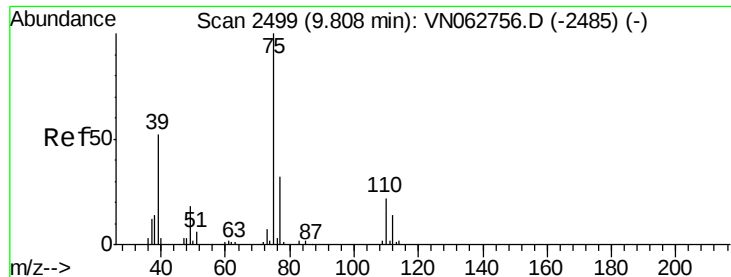
58 35.6 31.1 46.7



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

Ion 58.00 (57.70 to 58.70): VN062756.D (-2522) (-)





#54

cis-1,3-Dichloropropene

Concen: 5.634 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062843.D

Acq: 11 Aug 2020 20:45

Instrument :

MSVOA_N

ClientSampleId :

PB130804TB

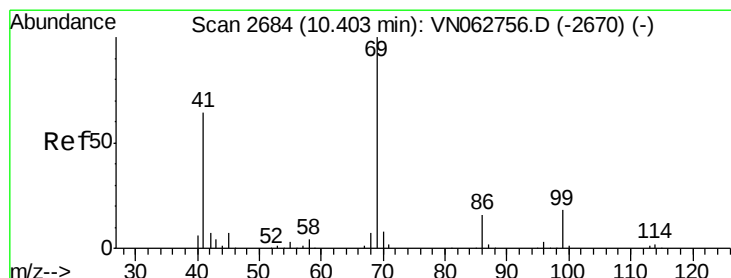
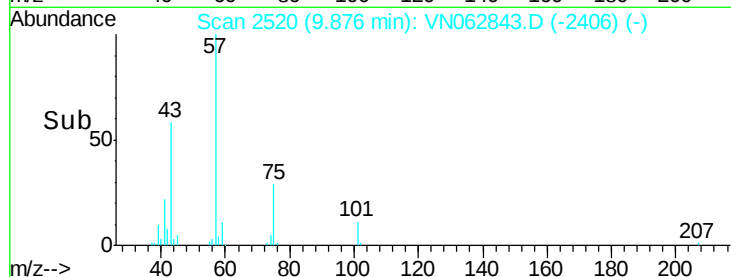
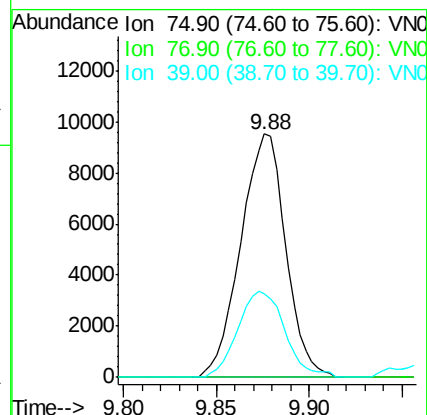
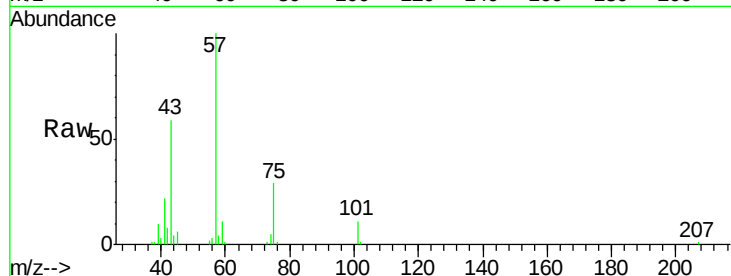
Tgt Ion: 75 Resp: 16014

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

39 34.5 41.9 62.9#



#56

Ethyl methacrylate

Concen: 0.417 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. 0.12 min

Lab File: VN062843.D

Acq: 11 Aug 2020 20:45

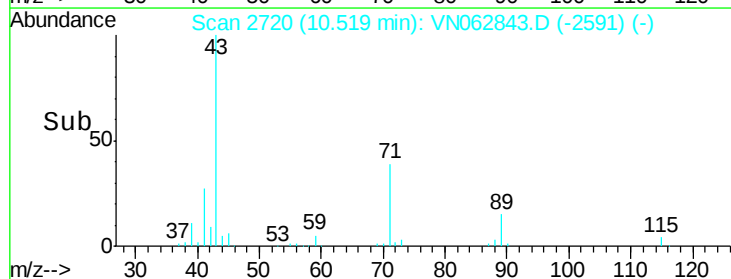
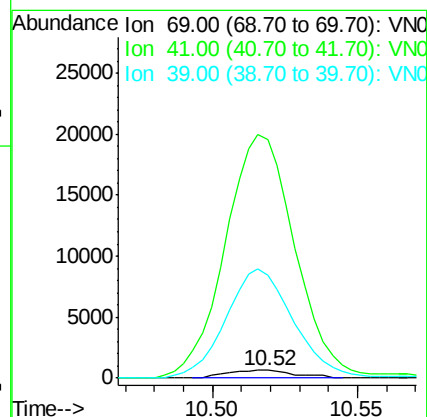
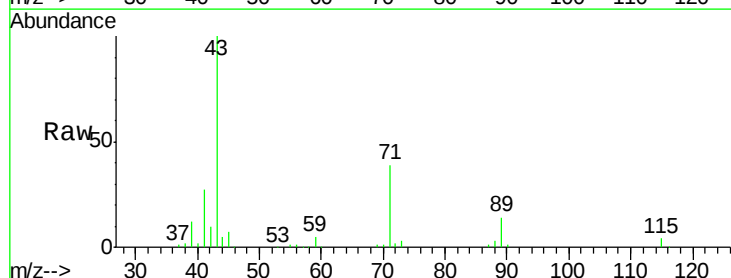
Tgt Ion: 69 Resp: 1070

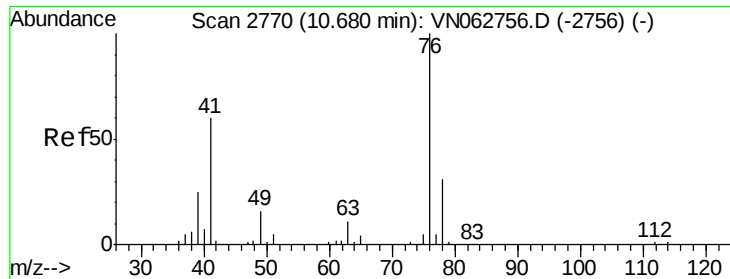
Ion Ratio Lower Upper

69 100

41 3117.9 52.2 78.2#

39 1354.8 30.9 46.3#

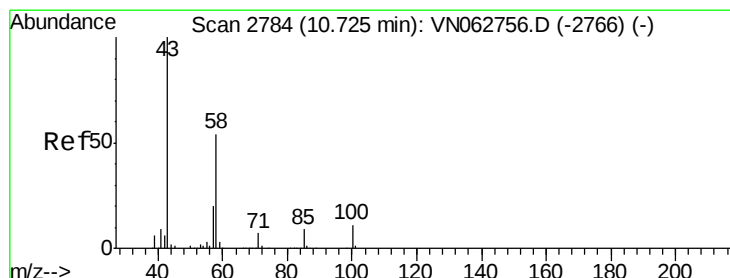
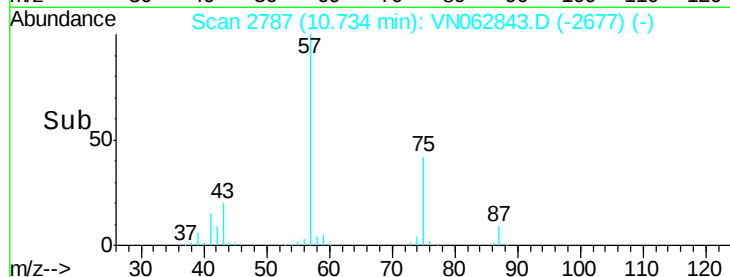
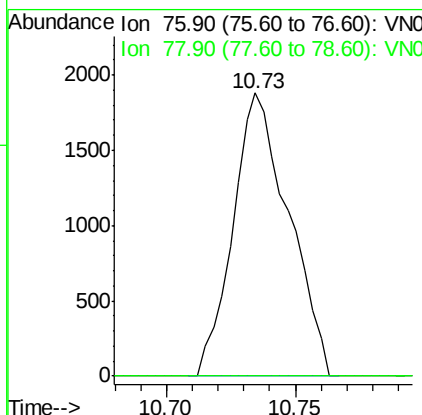
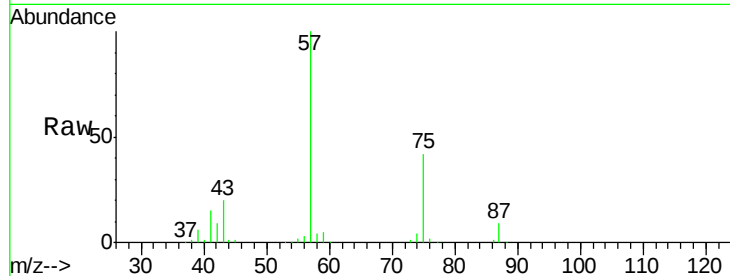




#57
 1,3-Dichloropropane
 Concen: 0.977 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.05 min
 Lab File: VN062843.D
 Acq: 11 Aug 2020 20:45

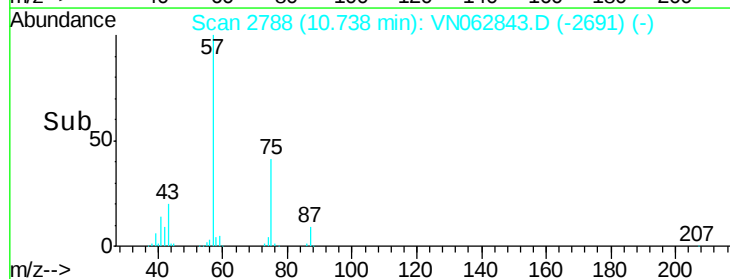
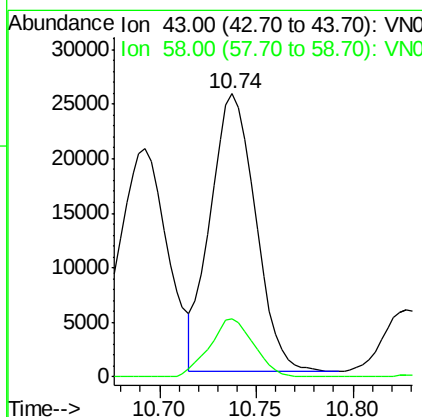
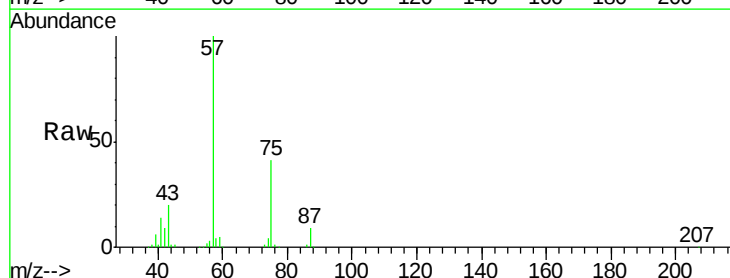
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130804TB

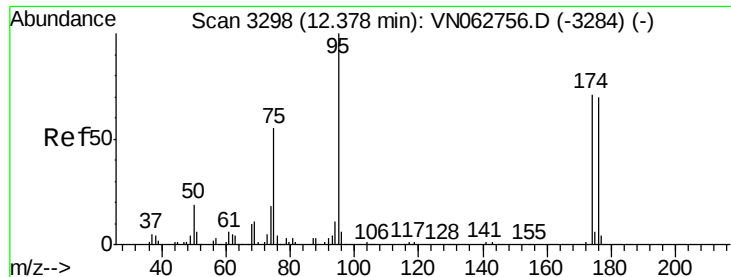
Tgt Ion: 76 Resp: 2828
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#



#59
 2-Hexanone
 Concen: 22.629 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN062843.D
 Acq: 11 Aug 2020 20:45

Tgt Ion: 43 Resp: 41210
 Ion Ratio Lower Upper
 43 100
 58 20.6 26.7 80.1#

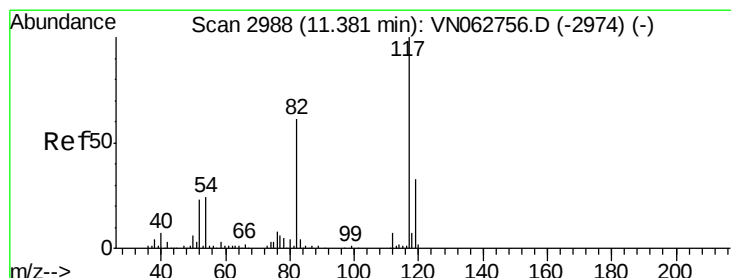
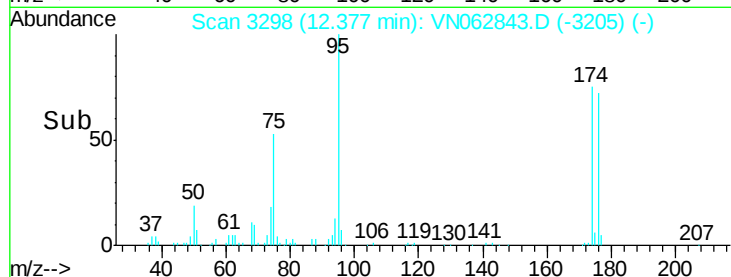
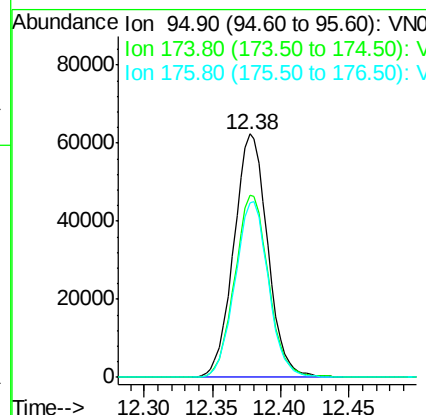
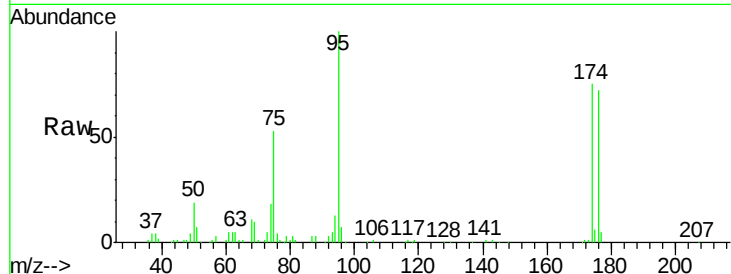




#62
4-Bromofluorobenzene
Concen: 47.809 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062843.D
Acq: 11 Aug 2020 20:45

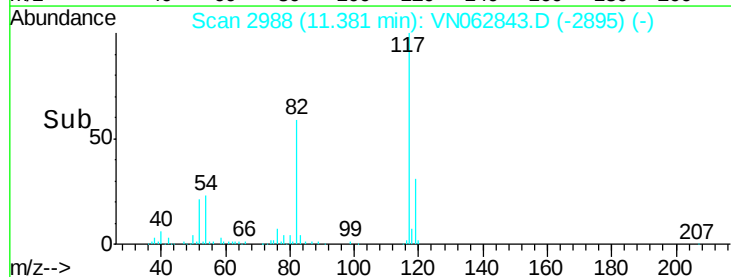
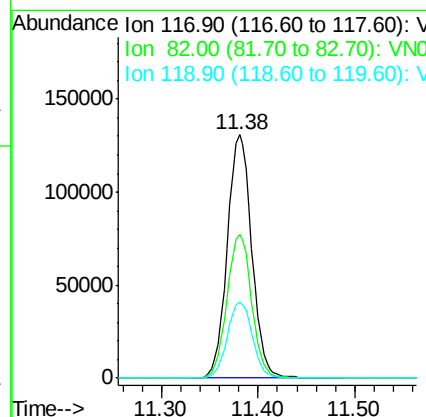
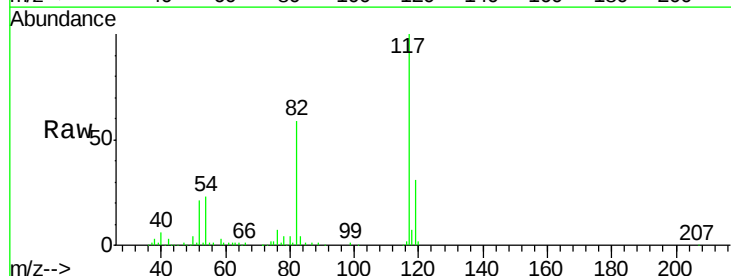
Instrument :
MSVOA_N
ClientSampleId :
PB130804TB

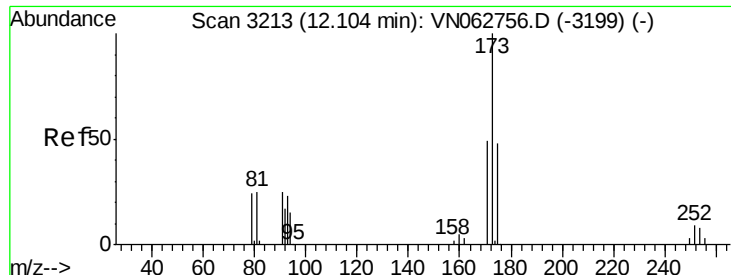
Tgt Ion: 95 Resp: 107311
Ion Ratio Lower Upper
95 100
174 74.8 0.0 144.8
176 71.5 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062843.D
Acq: 11 Aug 2020 20:45

Tgt Ion: 117 Resp: 230073
Ion Ratio Lower Upper
117 100
82 58.9 49.0 73.4
119 31.2 26.2 39.2





#71

Bromoform

Concen: 0.425 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN062843.D

Acq: 11 Aug 2020 20:45

Instrument :

MSVOA_N

ClientSampleId :

PB130804TB

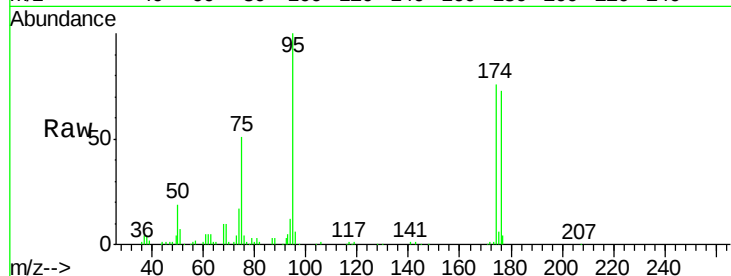
Tgt Ion:173 Resp: 672

Ion Ratio Lower Upper

173 100

175 724.4 24.0 72.0#

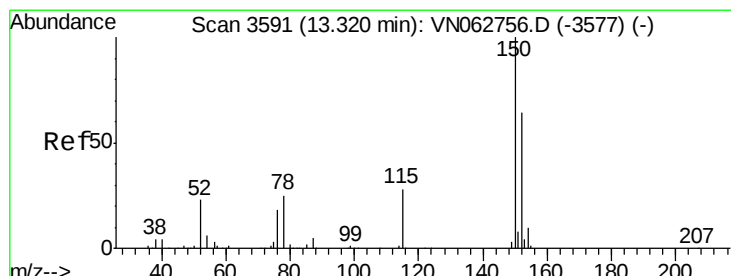
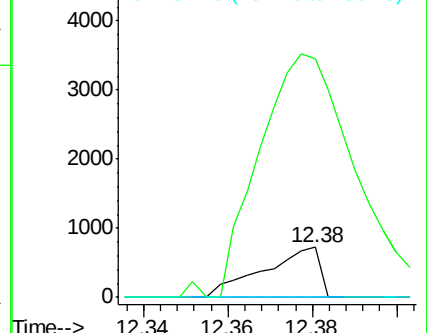
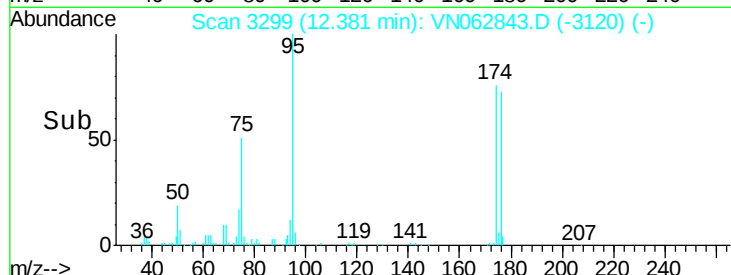
254 0.0 0.0 0.0



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: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062843.D

Acq: 11 Aug 2020 20:45

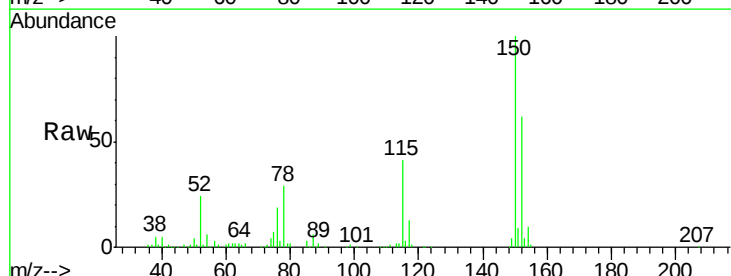
Tgt Ion:152 Resp: 84090

Ion Ratio Lower Upper

152 100

115 65.1 31.6 94.8

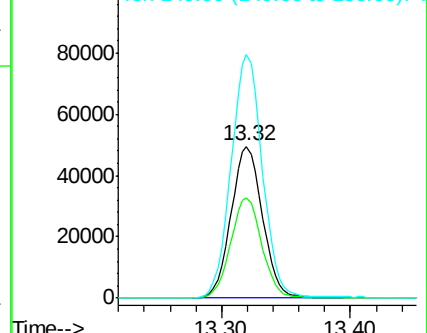
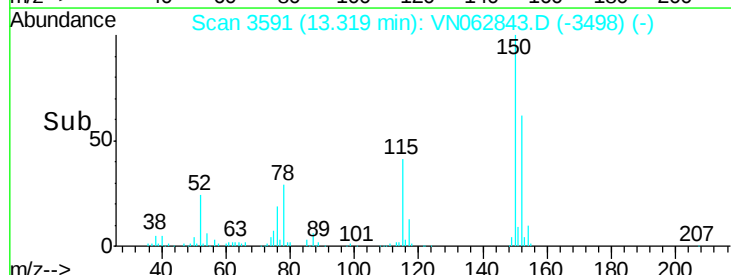
150 158.5 0.0 349.2

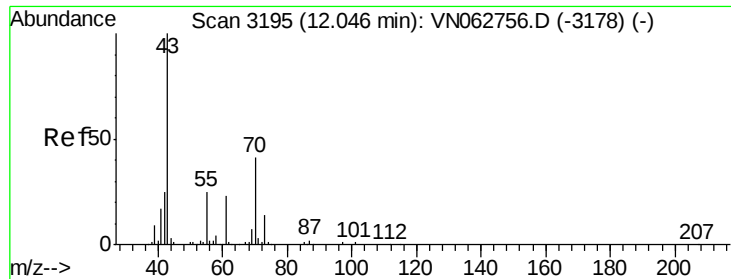


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

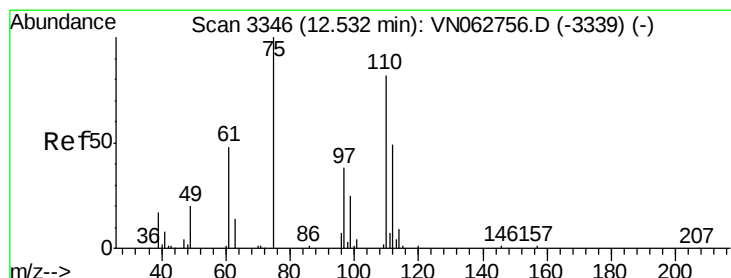
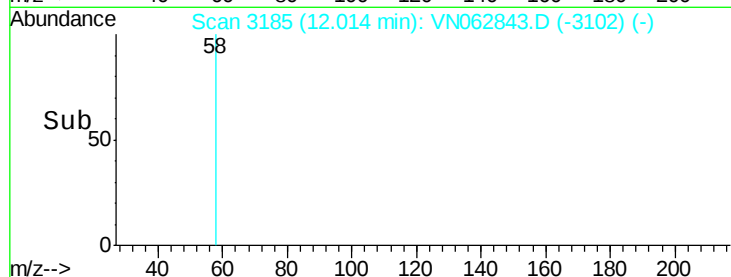
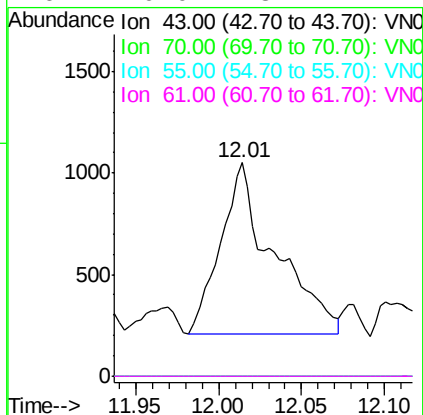
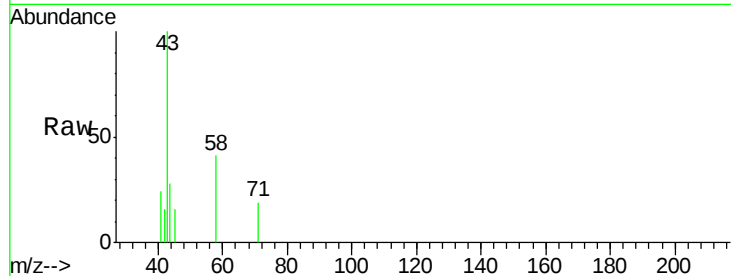




#74
N-ethyl acetate
Concen: 0.737 ug/l
RT: 12.01 min Scan# 3185
Delta R.T. -0.03 min
Lab File: VN062843.D
Acq: 11 Aug 2020 20:45

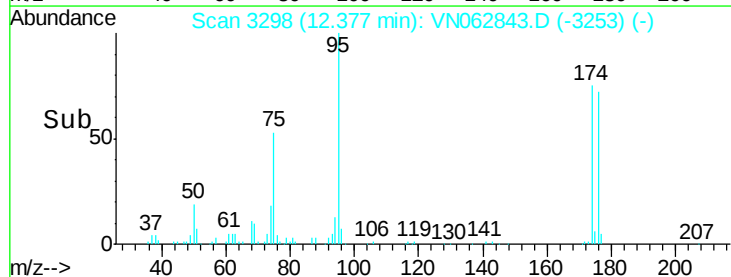
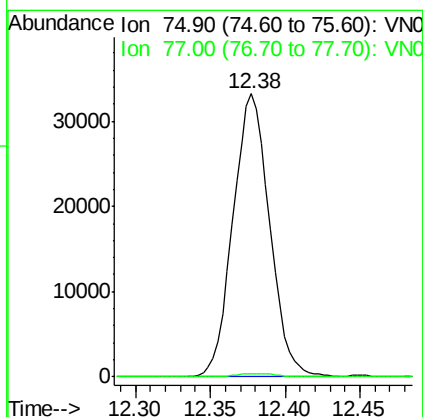
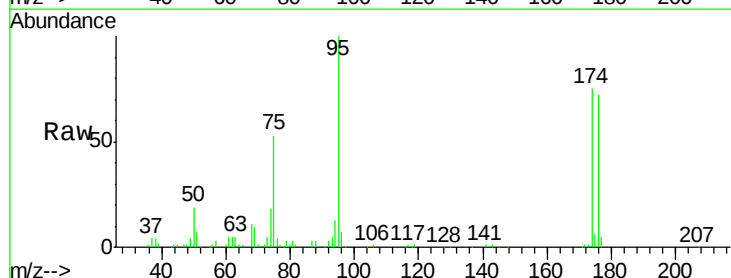
Instrument :
MSVOA_N
ClientSampled :
PB130804TB

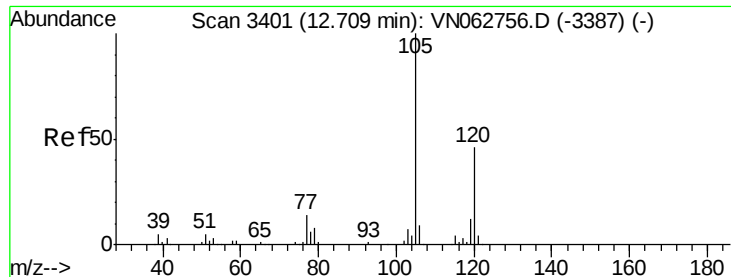
Tgt Ion: 43 Resp: 1892
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 0.0 20.2 30.2#
61 0.0 18.2 27.4#



#76
1,2,3-Trichloropropane
Concen: 24.999 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062843.D
Acq: 11 Aug 2020 20:45

Tgt Ion: 75 Resp: 56694
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.336 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062843.D

Acq: 11 Aug 2020 20:45

Instrument :

MSVOA_N

ClientSampled :

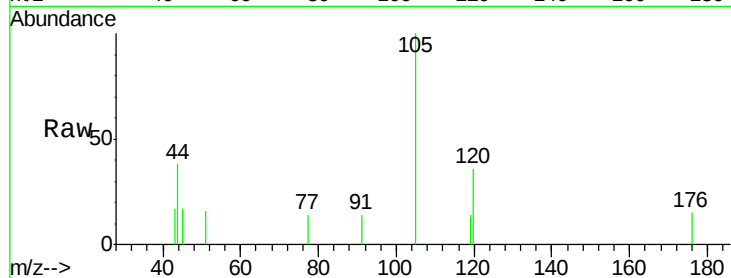
PB130804TB

Tgt Ion: 105 Resp: 1845

Ion Ratio Lower Upper

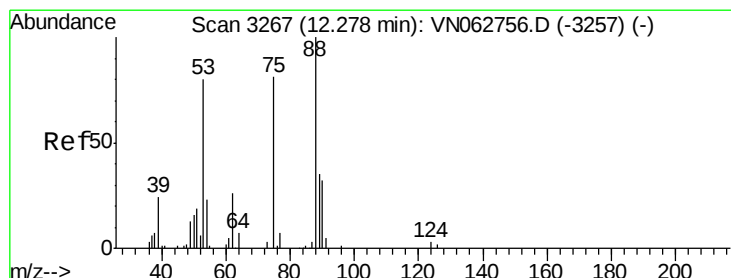
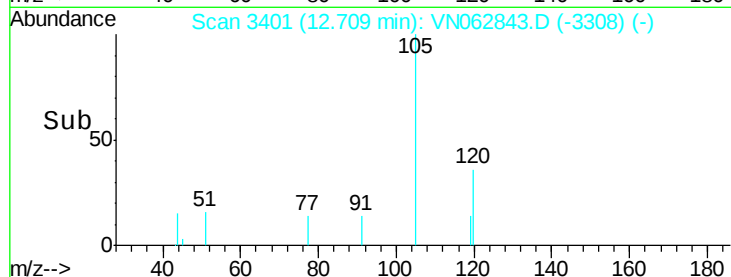
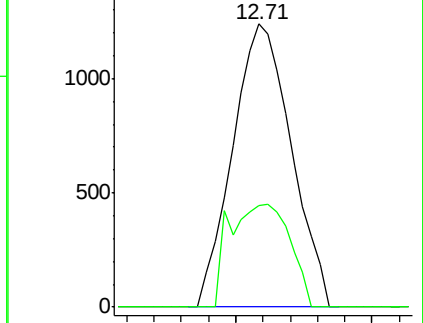
105 100

120 37.6 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 76.316 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062843.D

Acq: 11 Aug 2020 20:45

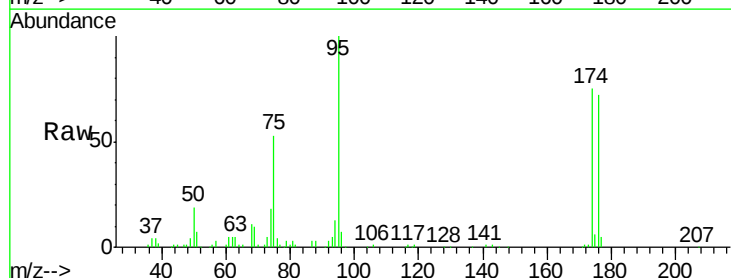
Tgt Ion: 75 Resp: 56694

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.1 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

