

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062884.D
 Acq On : 13 Aug 2020 3:07
 Operator : JC/MD
 Sample : PB130908ZHE#14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#14

Quant Time: Aug 13 05:29:32 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	129384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	222854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	221363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	85629	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	109678	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
35) Dibromofluoromethane	7.55	113	79619	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
50) Toluene-d8	10.06	98	290617	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.38	95	106342	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	

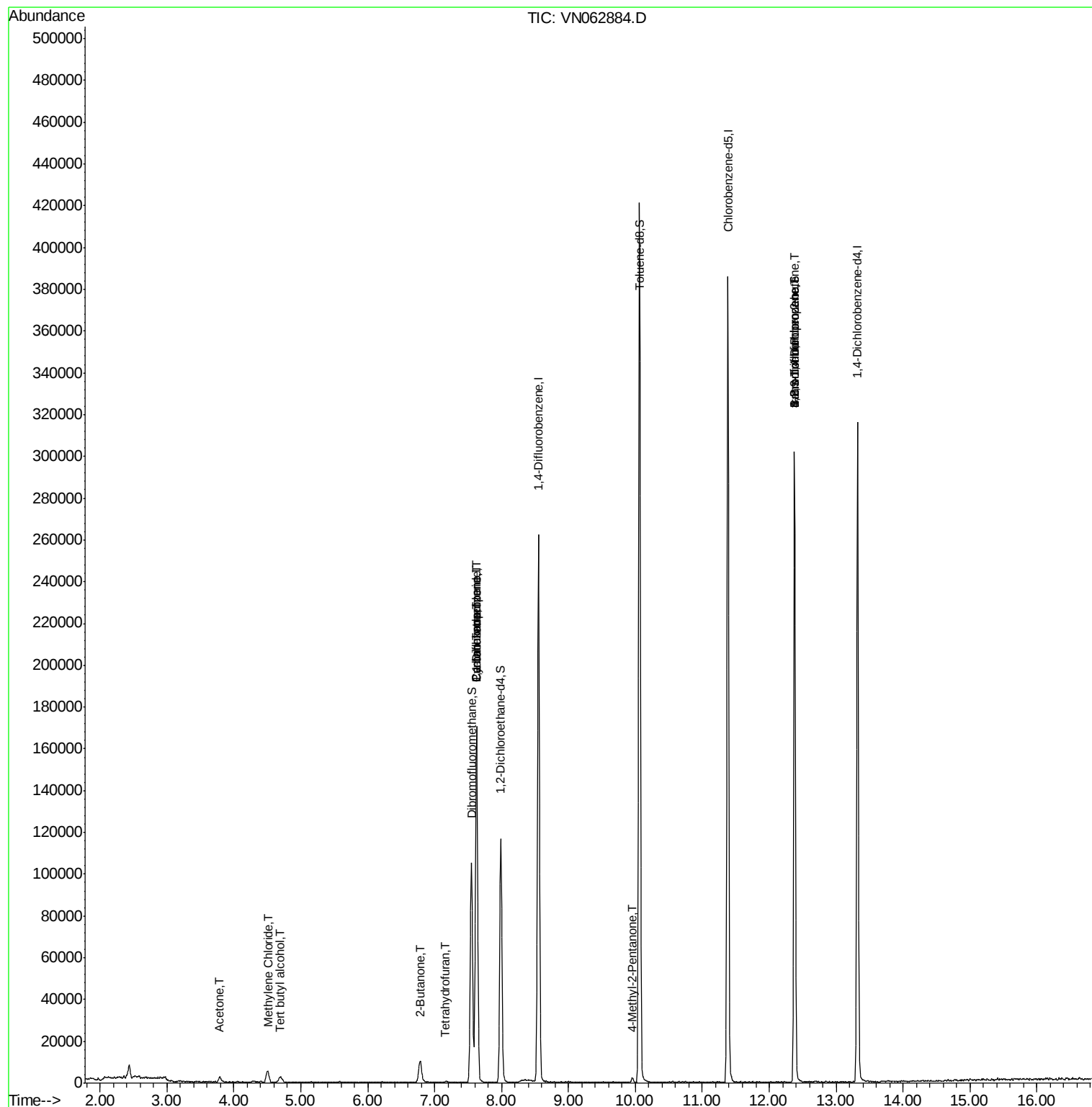
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	2586	7.374	ug/l #	72
16) Acetone	3.78	43	4284	5.541	ug/l	93
17) Carbon Disulfide	4.01	76	69	Below Cal	#	74
18) Methyl Acetate	4.29	43	1117	Below Cal	#	52
20) Methylene Chloride	4.50	84	4395	2.382	ug/l	86
25) 2-Butanone	6.80	43	1544	1.410	ug/l #	49
29) Tetrahydrofuran	7.17	42	415	0.583	ug/l #	33
31) Cyclohexane	7.63	56	2819	1.087	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11555	5.325	ug/l #	48
38) Carbon Tetrachloride	7.63	117	13855	5.399	ug/l #	14
51) 4-Methyl-2-Pentanone	9.96	43	2135	0.873	ug/l #	82
71) Bromoform	12.38	173	763	0.502	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	56961	24.666	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	56961	75.298	ug/l #	10

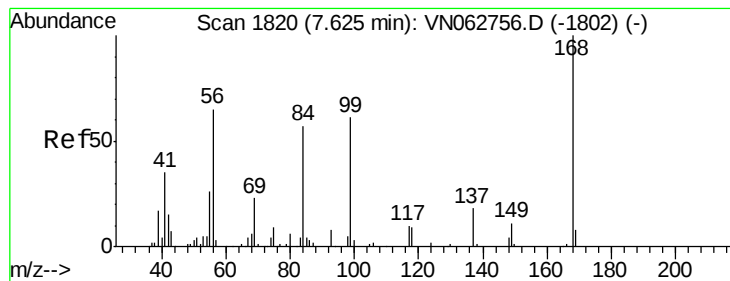
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN062884.D

Acq: 13 Aug 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

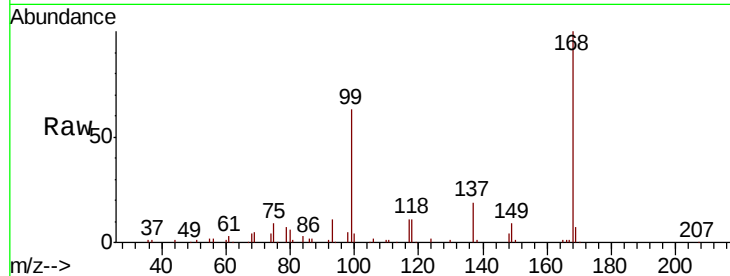
PB130908ZHE#14

Tot Ion:168 Resp: 129384

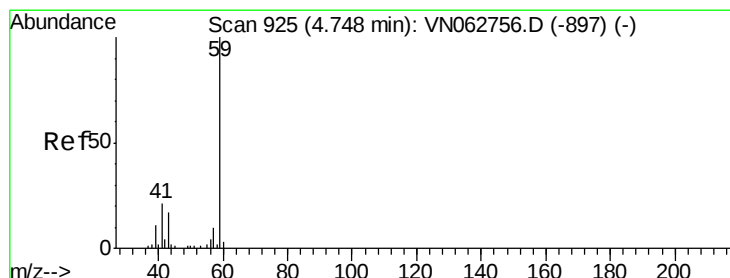
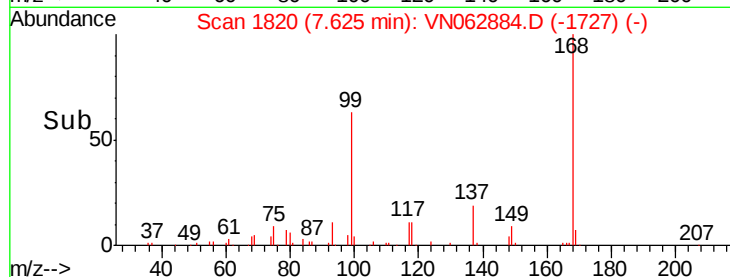
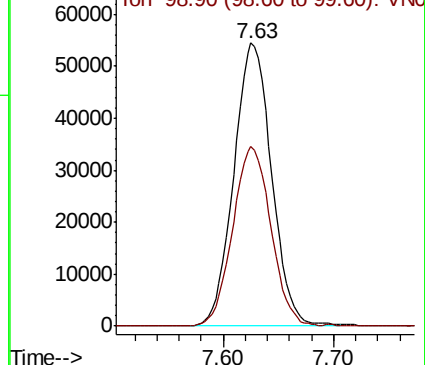
Ion Ratio Lower Upper

168 100

99 63.3 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062756.D (-1802) (-)



#11

Tert butyl alcohol

Concen: 7.374 ug/l

RT: 4.70 min Scan# 910

Delta R.T. -0.05 min

Lab File: VN062884.D

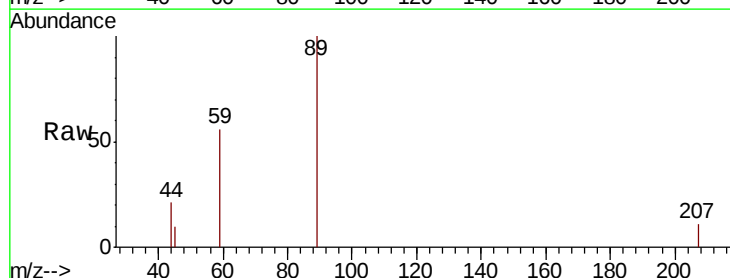
Acq: 13 Aug 2020 3:07

Tgt Ion: 59 Resp: 2586

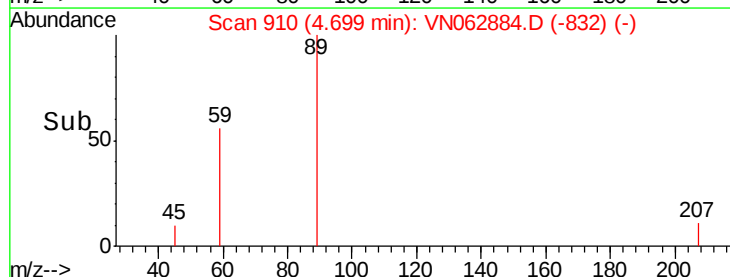
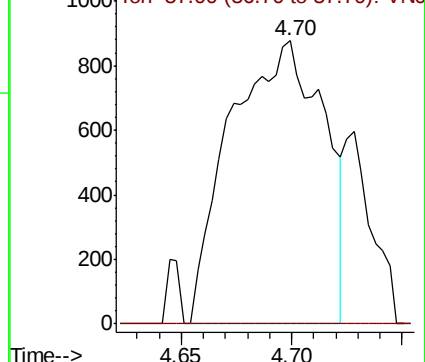
Ion Ratio Lower Upper

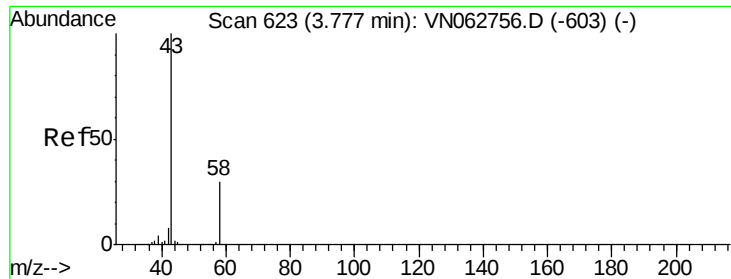
59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN062756.D (-897) (-)





#16

Acetone

Concen: 5.541 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062884.D

Acq: 13 Aug 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

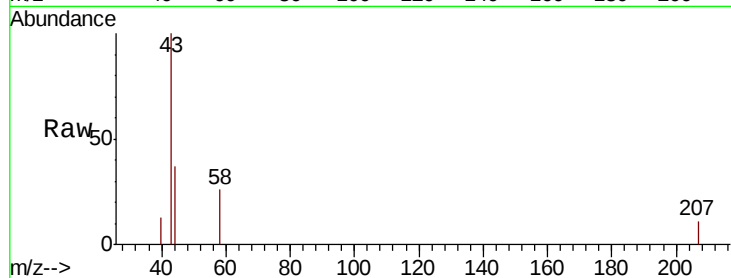
PB130908ZHE#14

Tot Ion: 43 Resp: 4284

Ion Ratio Lower Upper

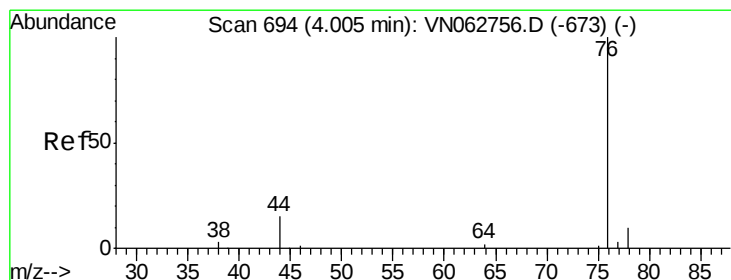
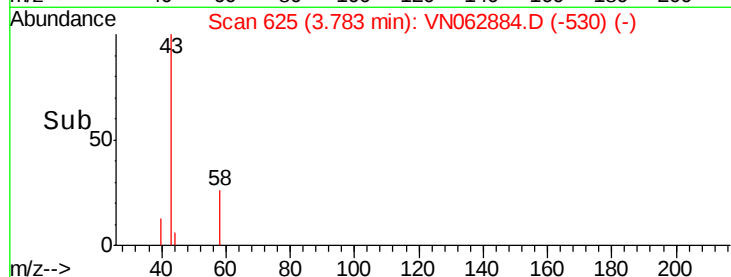
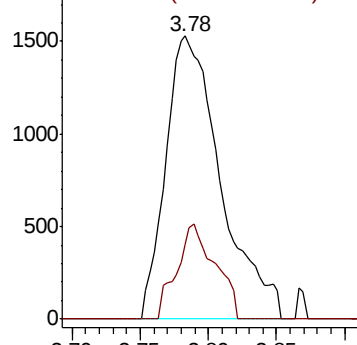
43 100

58 26.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN062756.D (-603) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062884.D

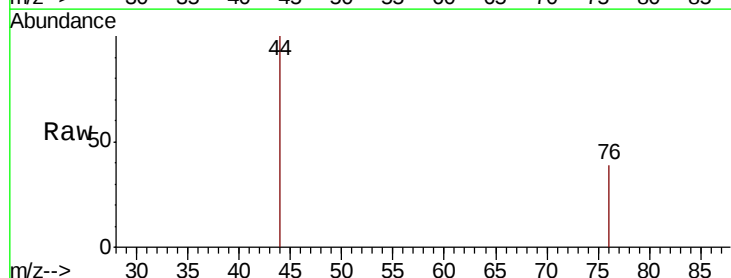
Acq: 13 Aug 2020 3:07

Tgt Ion: 76 Resp: 69

Ion Ratio Lower Upper

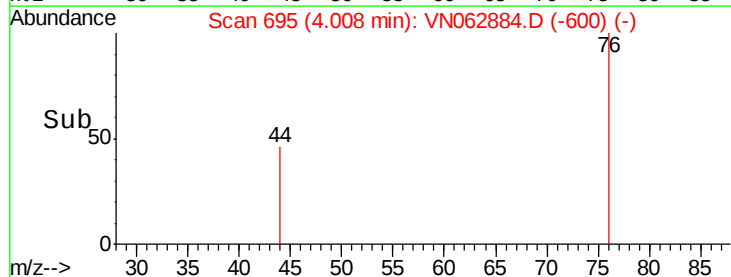
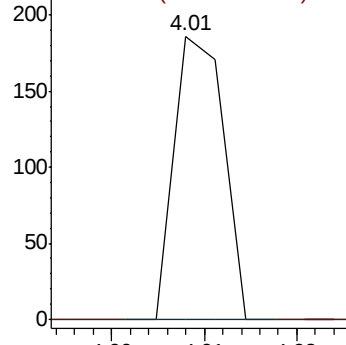
76 100

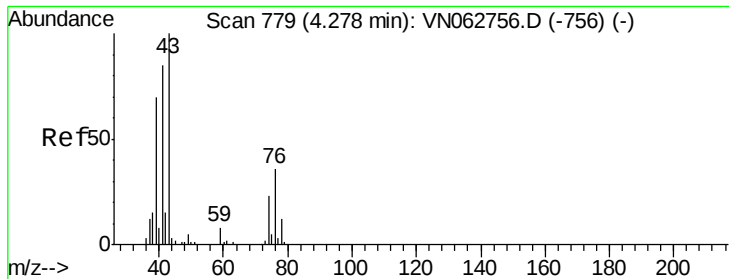
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062756.D (-673) (-)

Ion 77.90 (77.60 to 78.60): VN062756.D (-673) (-)

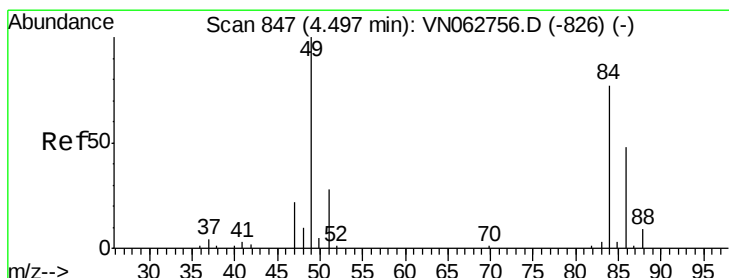
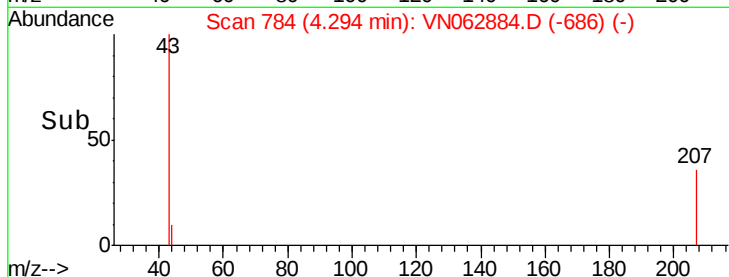
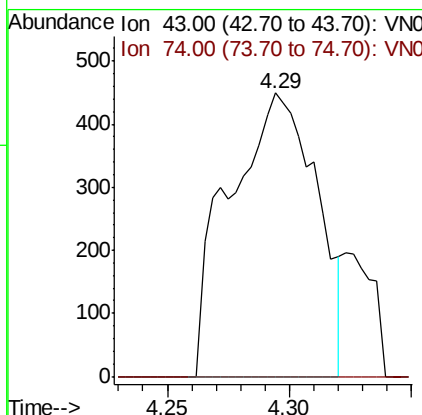
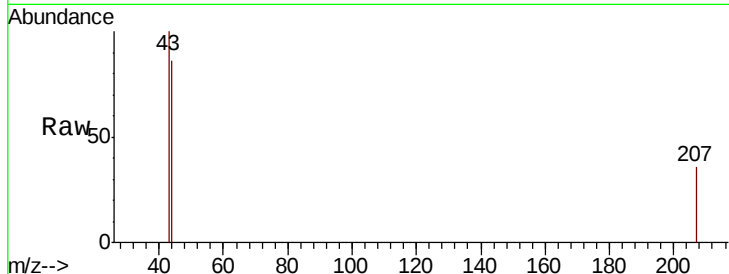




#18
Methyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 784
Delta R.T. 0.02 min
Lab File: VN062884.D
Acq: 13 Aug 2020 3:07

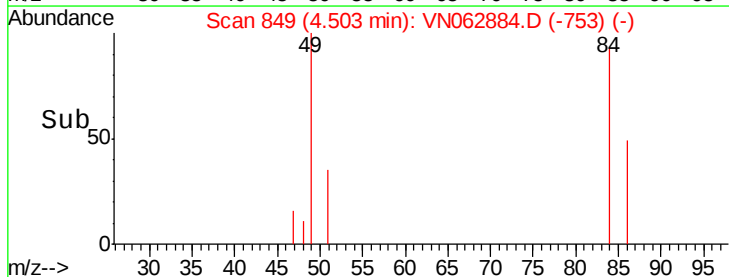
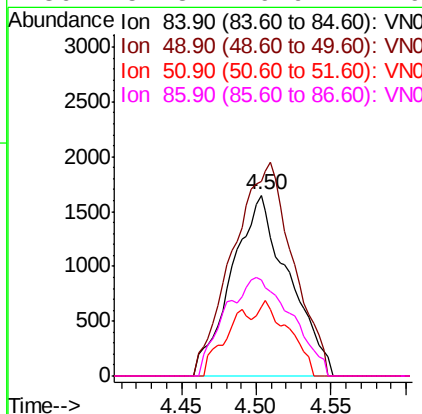
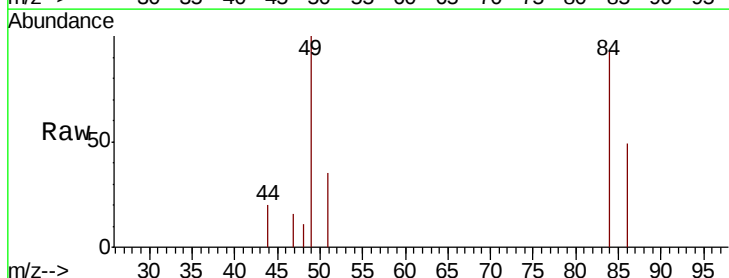
Instrument :
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PB130908ZHE#14

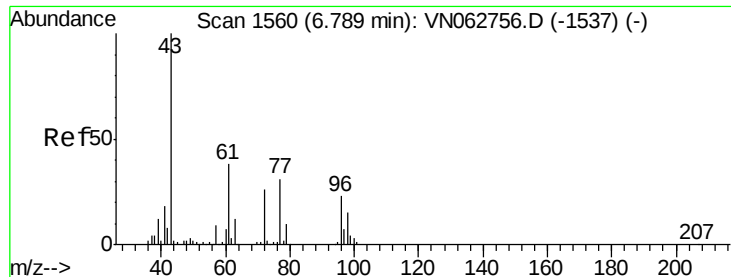
Tot Ion: 43 Resp: 1117
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 2.382 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062884.D
Acq: 13 Aug 2020 3:07

Tgt Ion: 84 Resp: 4395
Ion Ratio Lower Upper
84 100
49 107.8 103.4 155.2
51 38.1 29.3 43.9
86 52.8 49.9 74.9

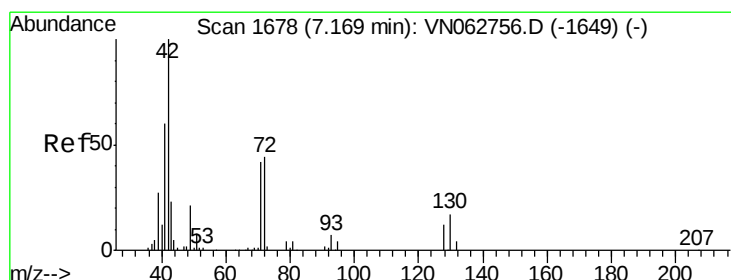
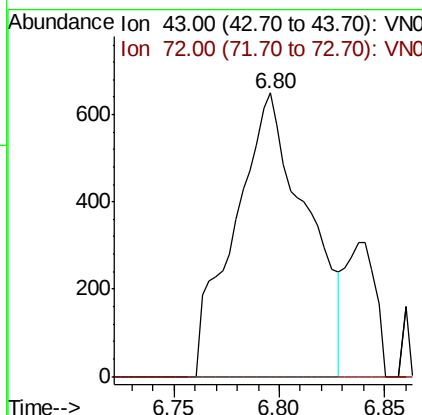
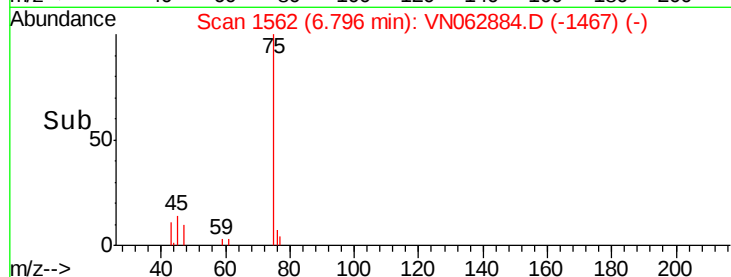
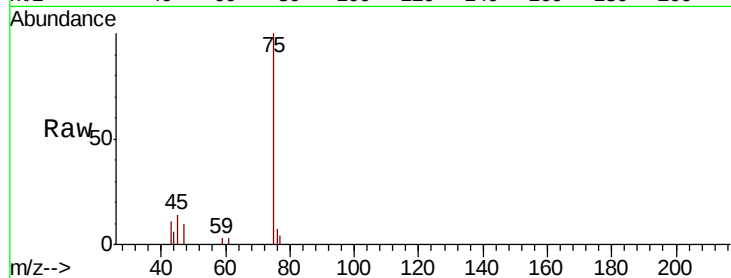




#25
2-Butanone
Concen: 1.410 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN062884.D
Acq: 13 Aug 2020 3:07

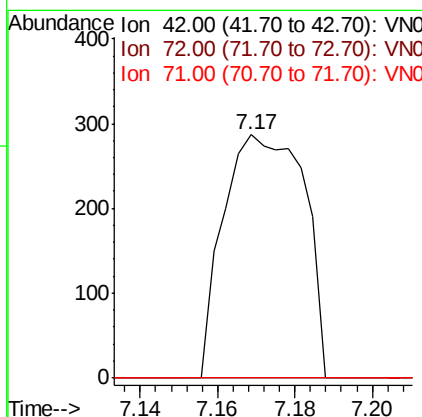
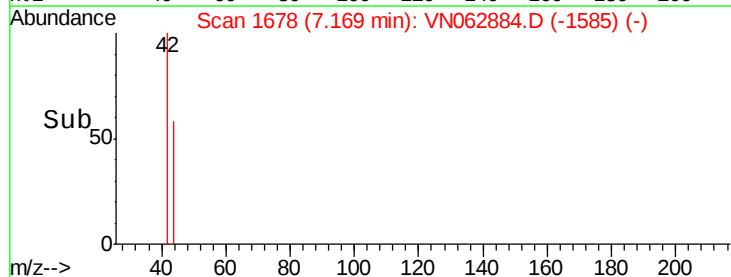
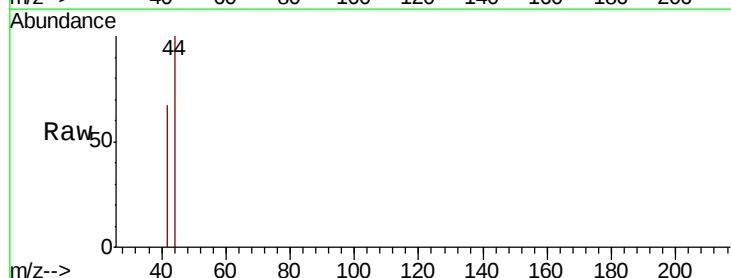
Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#14

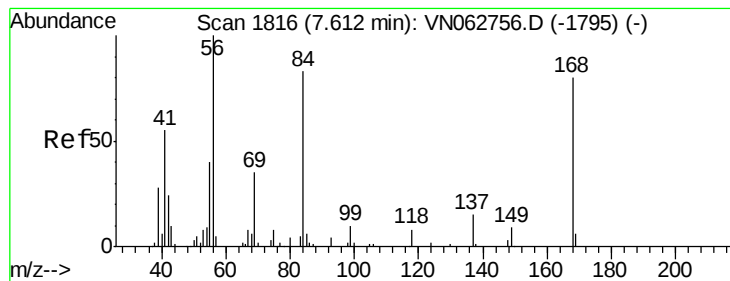
Tot Ion: 43 Resp: 1544
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#29
Tetrahydrofuran
Concen: 0.583 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062884.D
Acq: 13 Aug 2020 3:07

Tgt Ion: 42 Resp: 415
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 33.2 49.8#





#31

Cyclohexane

Concen: 1.087 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062884.D

Acq: 13 Aug 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#14

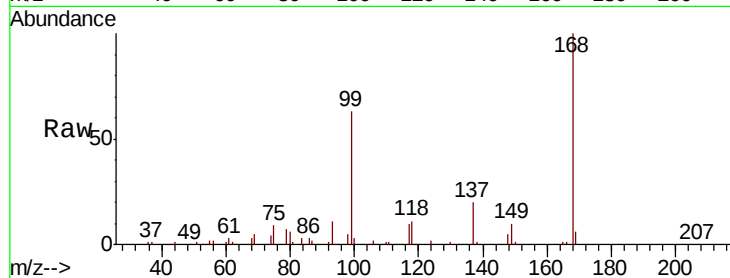
Tot Ion: 56 Resp: 2819

Ion Ratio Lower Upper

56 100

69 207.6 28.1 42.1#

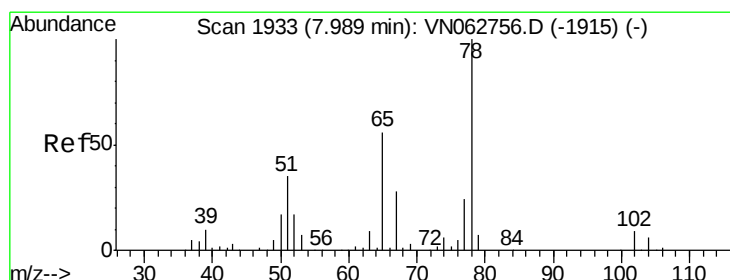
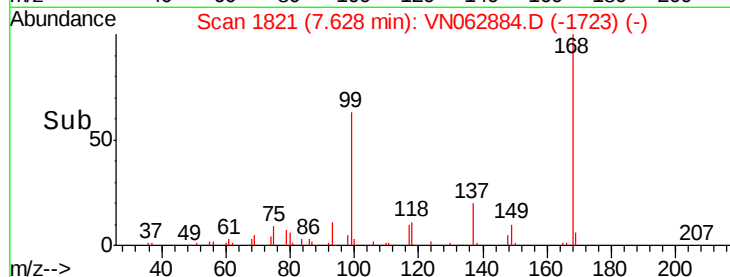
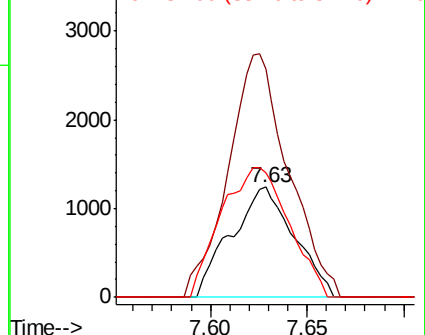
84 113.0 66.8 100.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 51.261 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062884.D

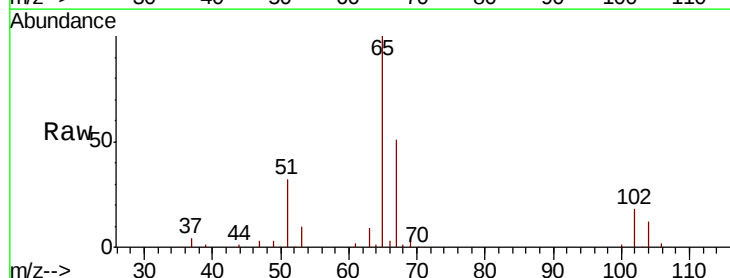
Acq: 13 Aug 2020 3:07

Tgt Ion: 65 Resp: 109678

Ion Ratio Lower Upper

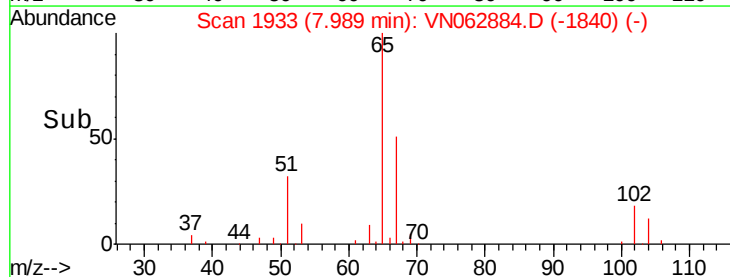
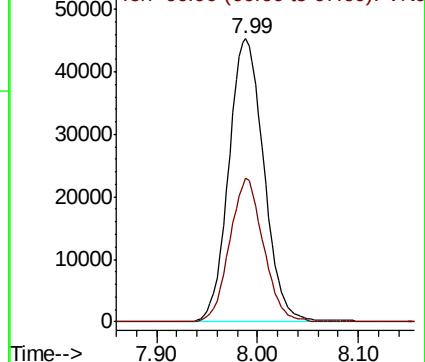
65 100

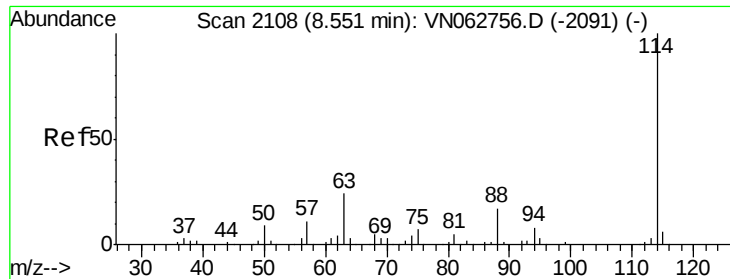
67 48.8 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

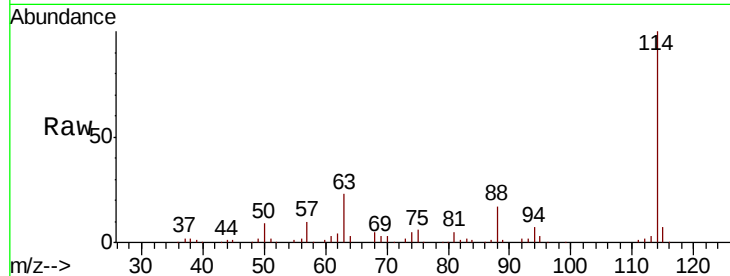




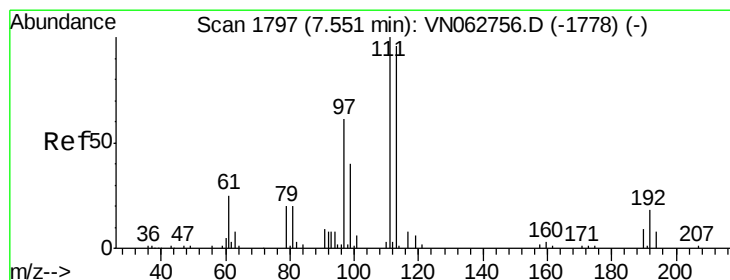
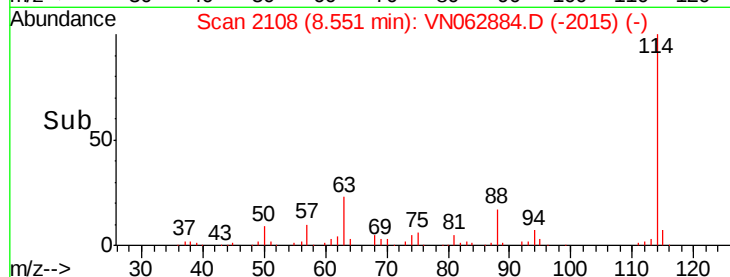
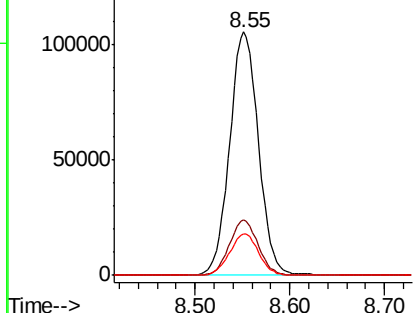
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062884.D
 Acq: 13 Aug 2020 3:07

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#14

Tot Ion:114 Resp: 222854
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.6
 88 17.0 0.0 34.4

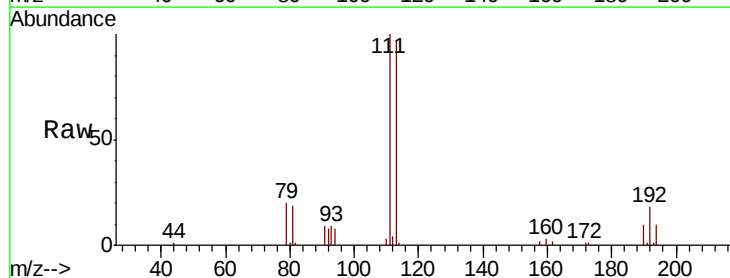


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

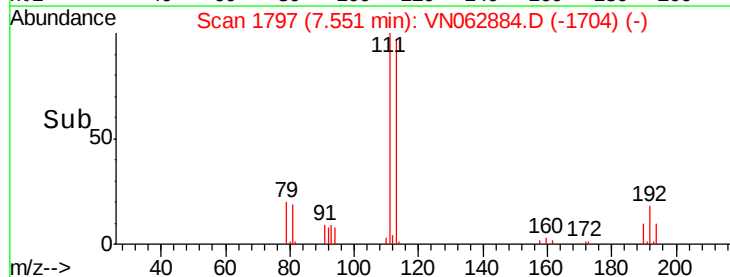
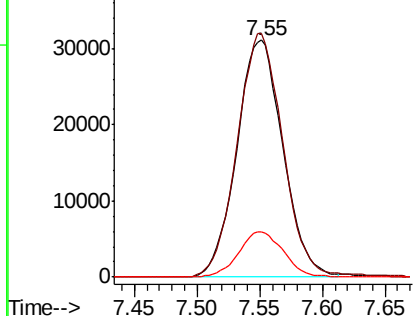


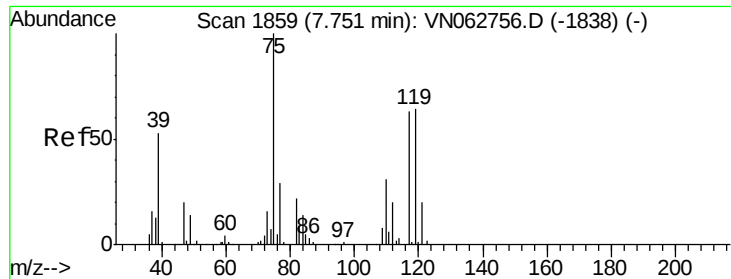
#35
 Dibromofluoromethane
 Concen: 52.228 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062884.D
 Acq: 13 Aug 2020 3:07

Tgt Ion:113 Resp: 79619
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.8 122.6
 192 18.6 15.0 22.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

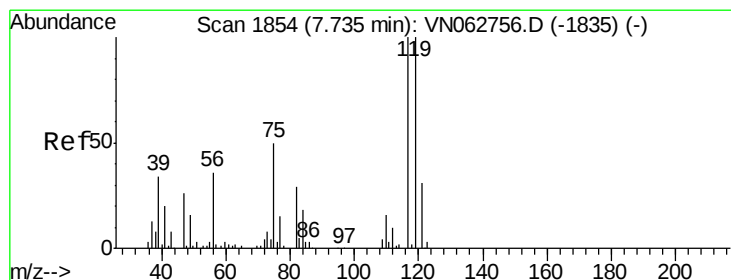
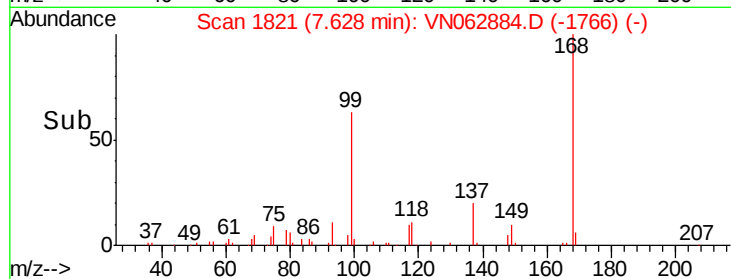
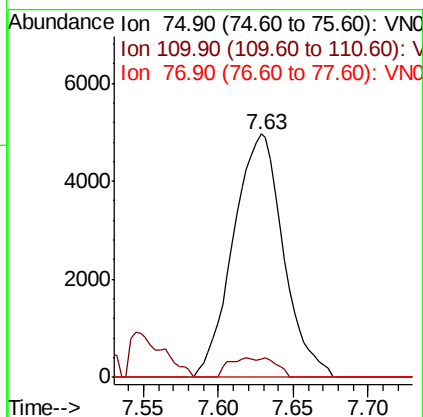
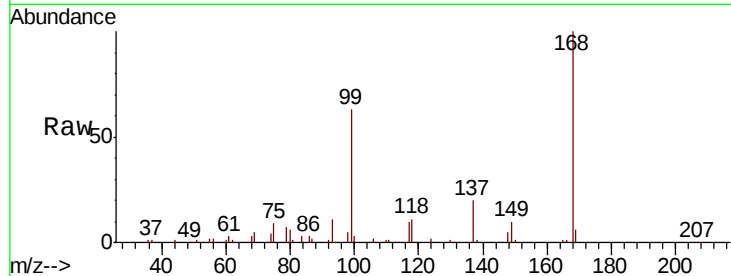




#36
 1,1-Dichloropropene
 Concen: 5.325 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062884.D
 Acq: 13 Aug 2020 3:07

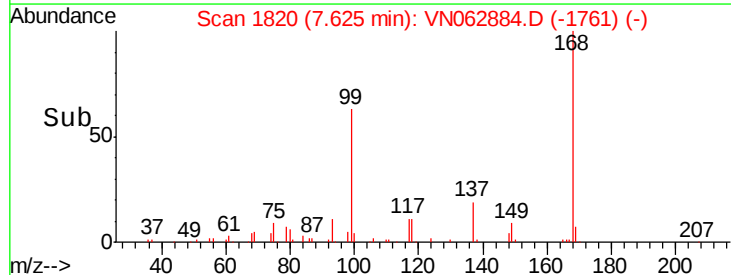
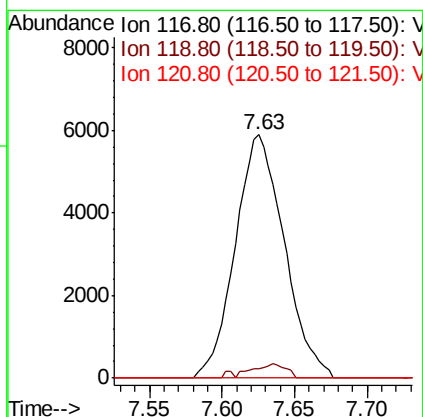
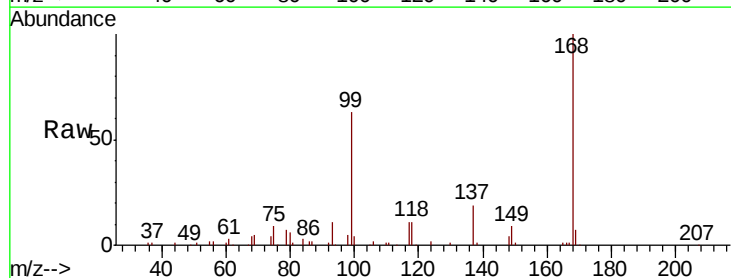
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 ClientSampleId :
 PB130908ZHE#14

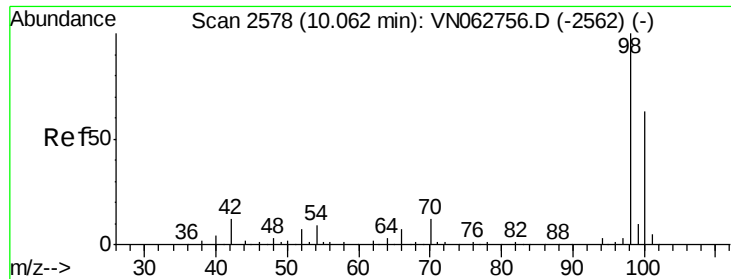
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.4	15.6	46.7#
77	0.0	24.1	36.1#



#38
 Carbon Tetrachloride
 Concen: 5.399 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062884.D
 Acq: 13 Aug 2020 3:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	79.4	119.2#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 48.830 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062884.D

Acq: 13 Aug 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

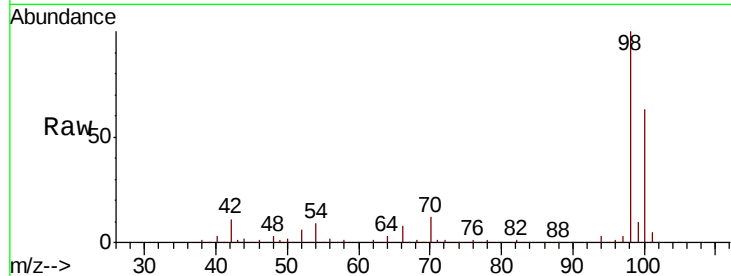
PB130908ZHE#14

Tot Ion: 98 Resp: 290617

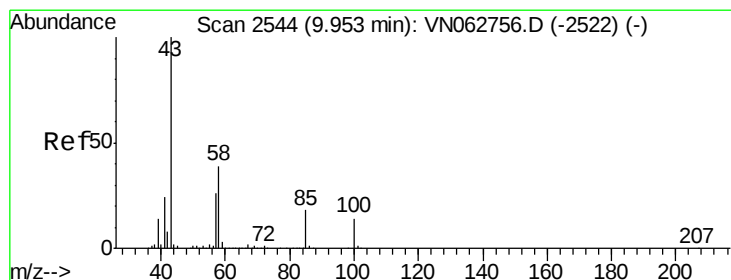
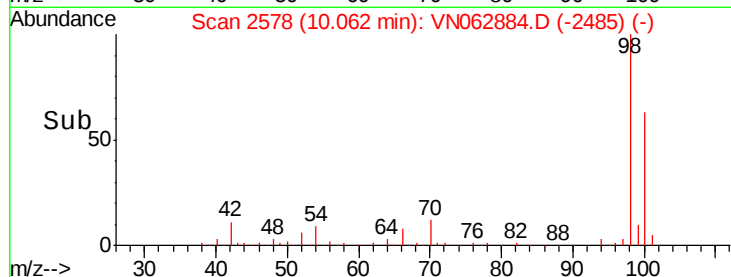
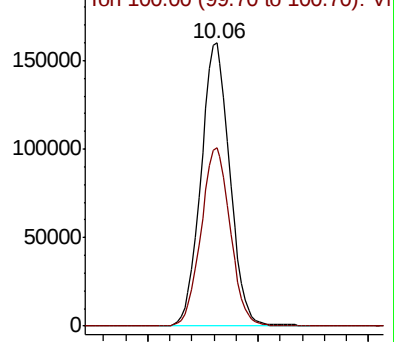
Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3



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



#51

4-Methyl-2-Pentanone

Concen: 0.873 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062884.D

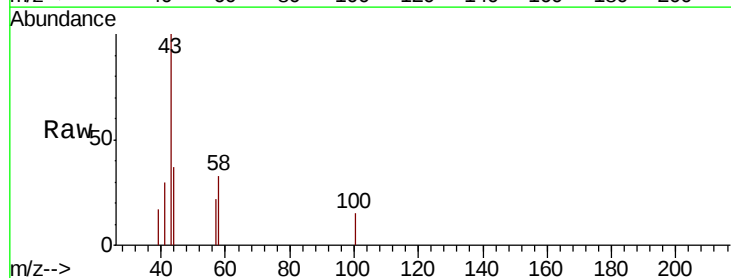
Acq: 13 Aug 2020 3:07

Tgt Ion: 43 Resp: 2135

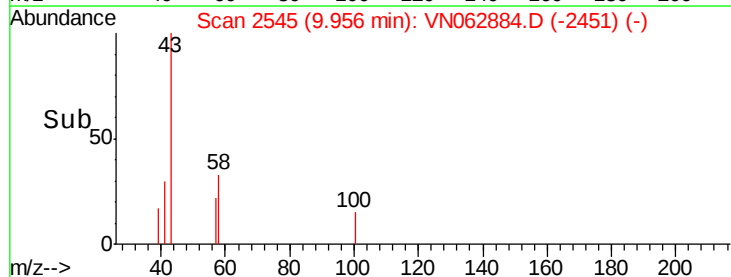
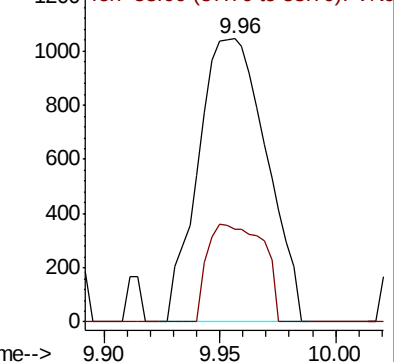
Ion Ratio Lower Upper

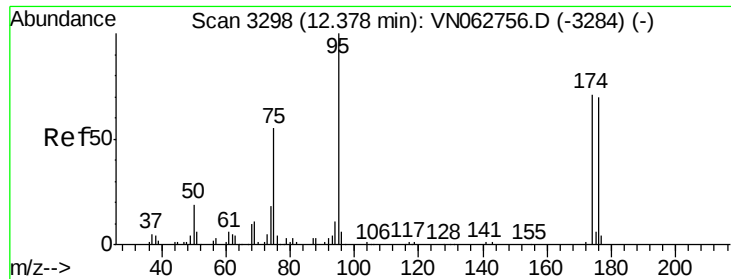
43 100

58 28.0 31.1 46.7#



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

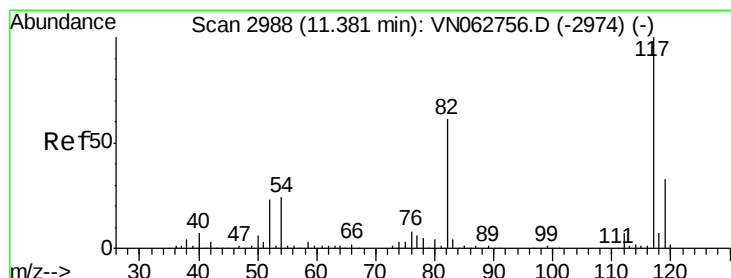
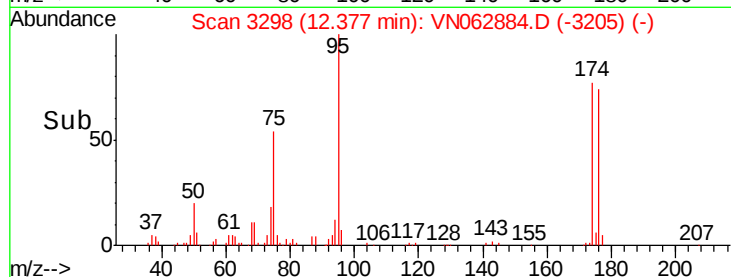
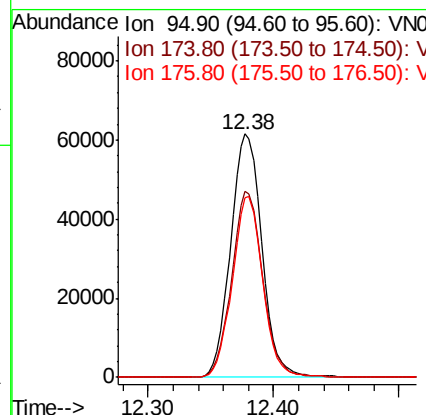
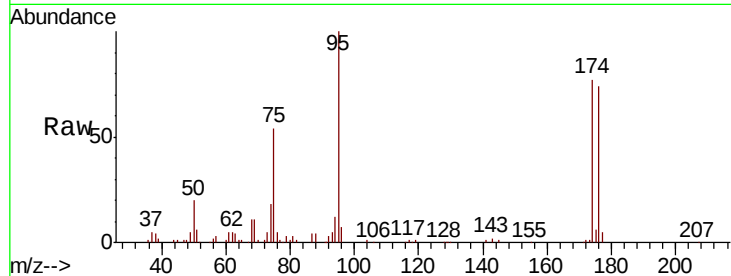




#62
4-Bromofluorobenzene
Concen: 47.282 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062884.D
Acq: 13 Aug 2020 3:07

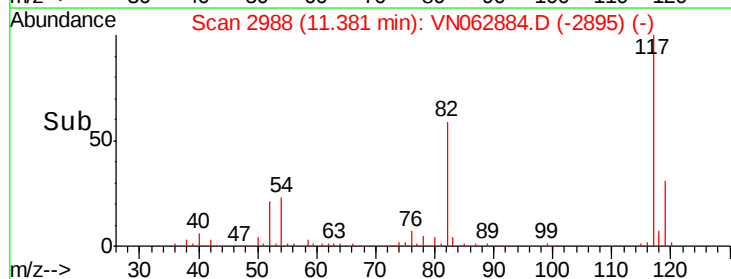
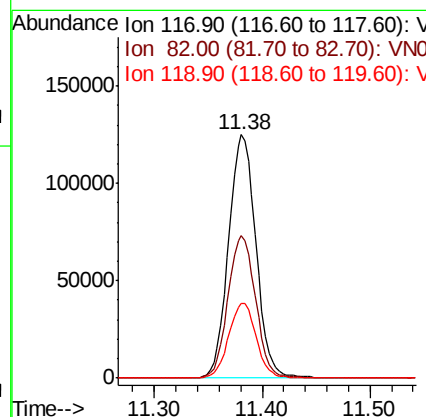
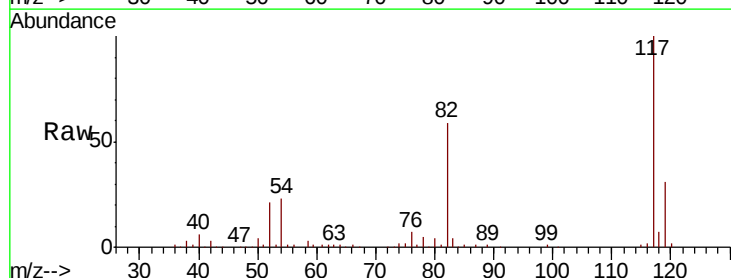
Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#14

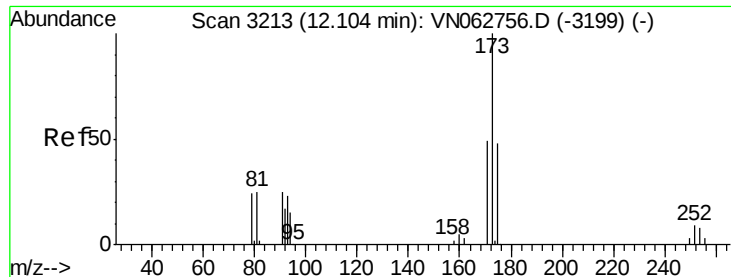
Tot Ion: 95 Resp: 106342
Ion Ratio Lower Upper
95 100
174 76.0 0.0 144.8
176 72.7 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062884.D
Acq: 13 Aug 2020 3:07

Tgt Ion: 117 Resp: 221363
Ion Ratio Lower Upper
117 100
82 58.8 49.0 73.4
119 30.6 26.2 39.2





#71

Bromoform

Concen: 0.502 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.27 min

Lab File: VN062884.D

Acq: 13 Aug 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#14

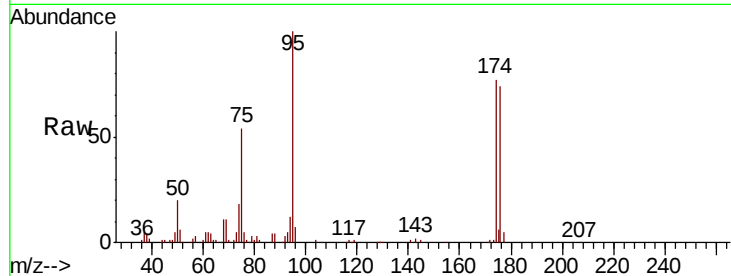
Tot Ion:173 Resp: 763

Ion Ratio Lower Upper

173 100

175 723.6 24.0 72.0#

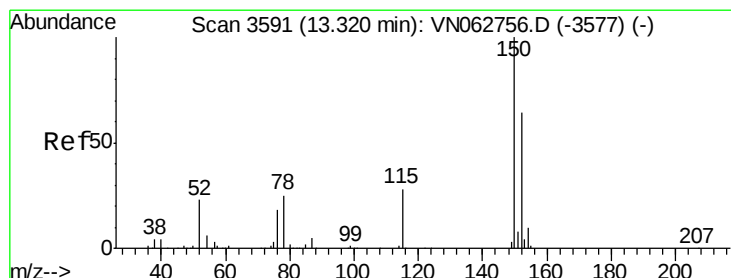
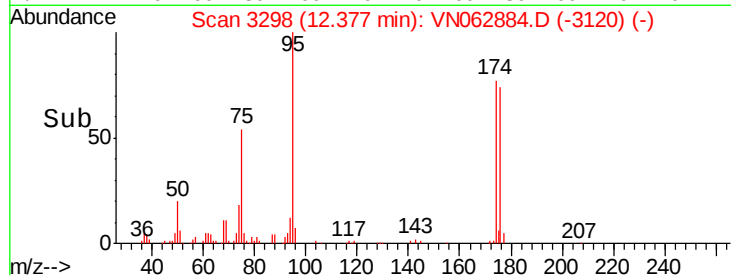
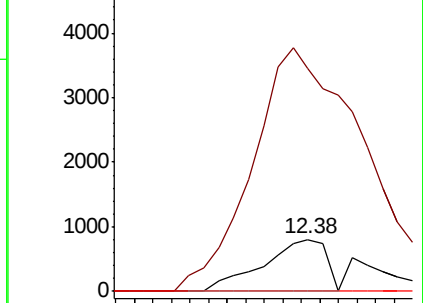
254 0.0 0.0 0.0



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: VN062884.D

Acq: 13 Aug 2020 3:07

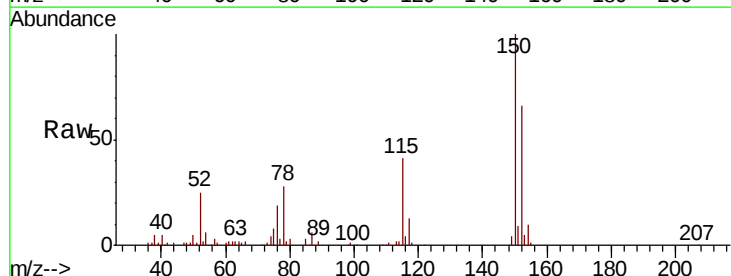
Tgt Ion:152 Resp: 85629

Ion Ratio Lower Upper

152 100

115 63.8 31.6 94.8

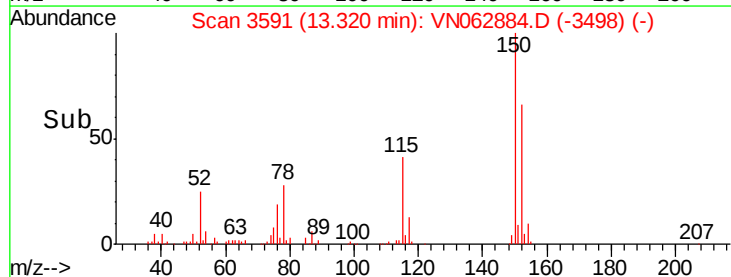
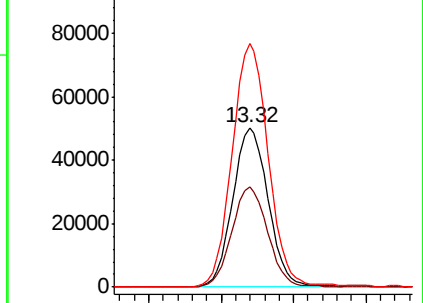
150 154.4 0.0 349.2

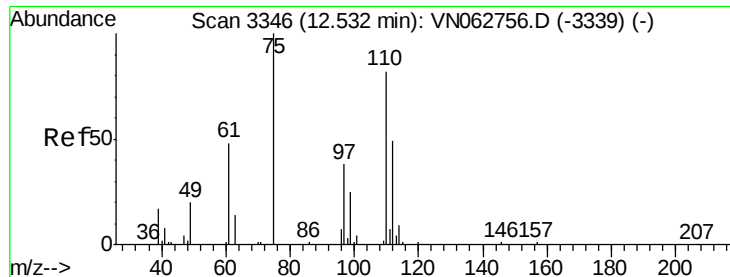


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.666 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062884.D

Acq: 13 Aug 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

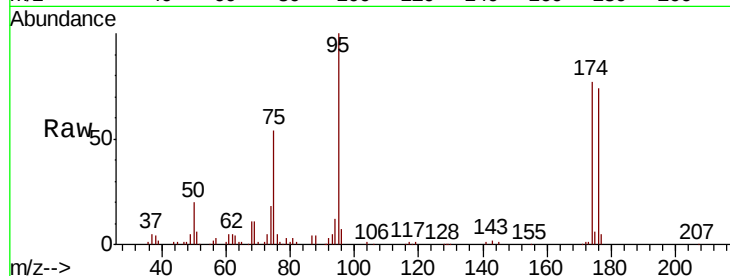
PB130908ZHE#14

Tot Ion: 75 Resp: 56961

Ion Ratio Lower Upper

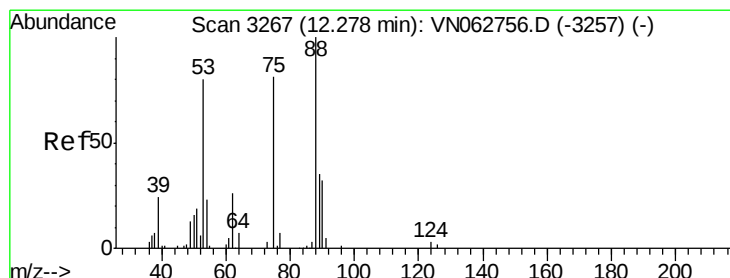
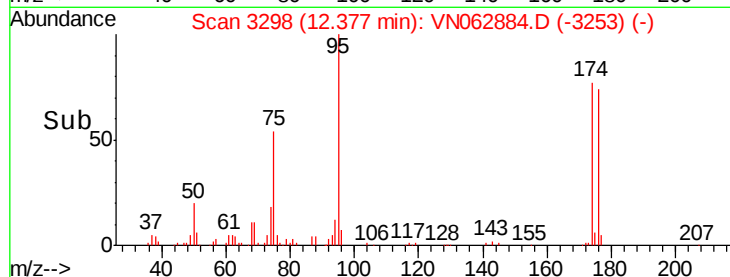
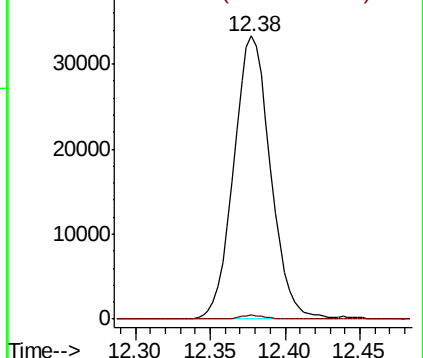
75 100

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: 75.298 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062884.D

Acq: 13 Aug 2020 3:07

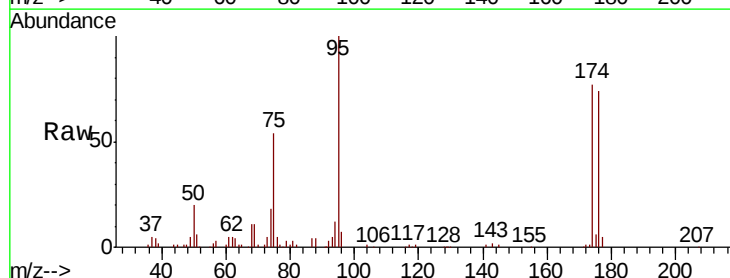
Tgt Ion: 75 Resp: 56961

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

