

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050322\
 Data File : VY008597.D
 Acq On : 03 May 2022 17:16
 Operator : KP/MD
 Sample : N2618-03
 Misc : 4.54g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03

Quant Time: May 04 02:43:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:57:20 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

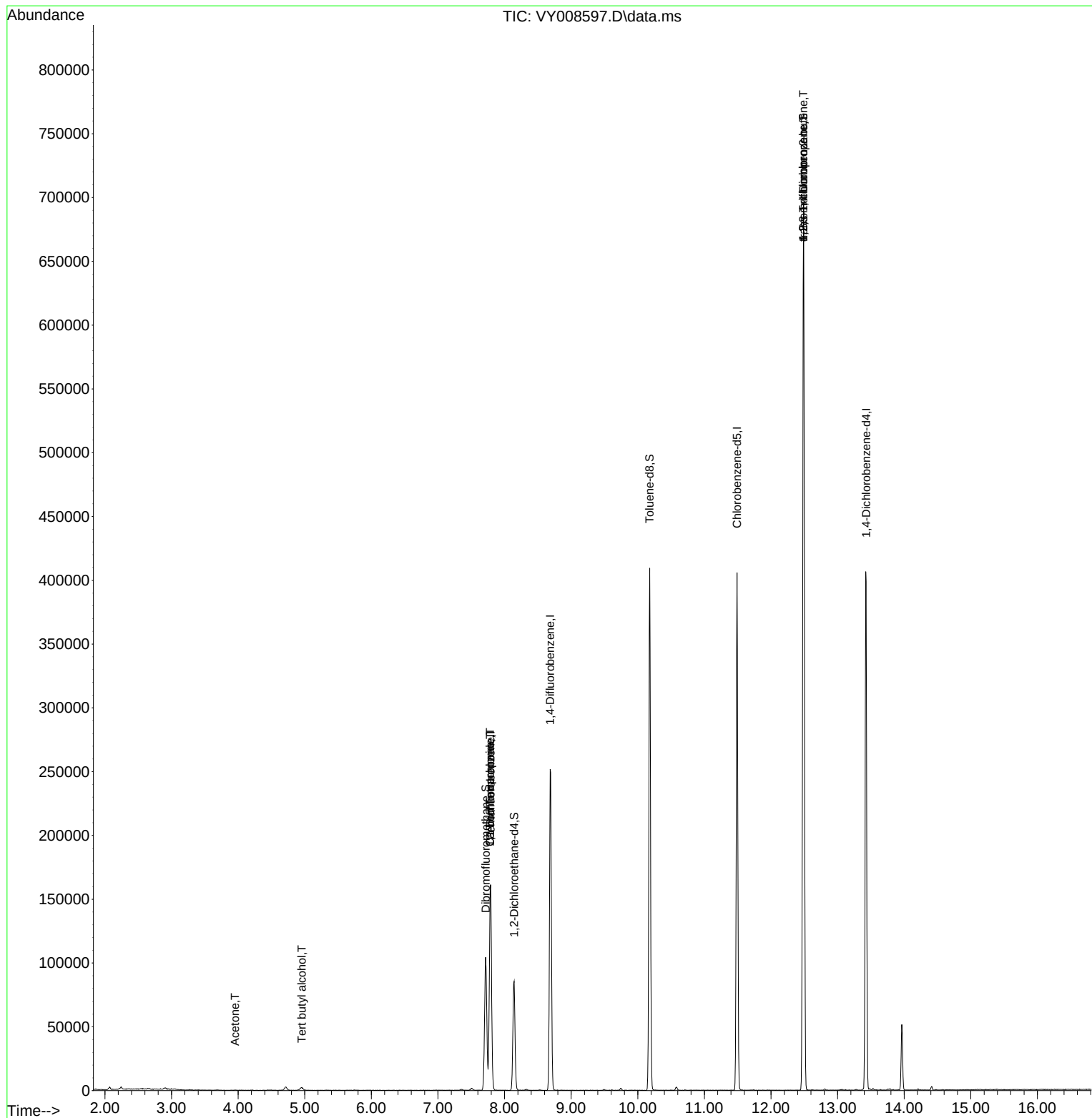
Internal Standards						
1) Pentafluorobenzene	7.789	168	139367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	237556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	235294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66851	49.353	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.700%
35) Dibromofluoromethane	7.716	113	74274	47.251	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.500%
50) Toluene-d8	10.179	98	275983	49.557	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.120%
62) 4-Bromofluorobenzene	12.483	95	101438	49.696	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.400%
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	240	Below Cal		84
11) Tert butyl alcohol	4.954	59	4705	14.226	ug/l	97
16) Acetone	3.954	43	416	1.425	ug/l #	47
18) Methyl Acetate	4.473	43	501	Below Cal	#	56
20) Methylene Chloride	4.710	84	2092	Below Cal	#	70
36) 1,1-Dichloropropene	7.783	75	8592	3.515	ug/l #	51
38) Carbon Tetrachloride	7.783	117	12703	4.555	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	51658	41.974	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	51658	85.099	ug/l #	8

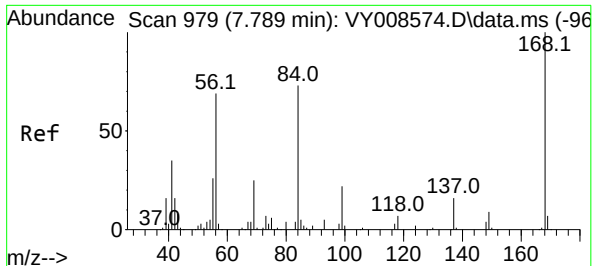
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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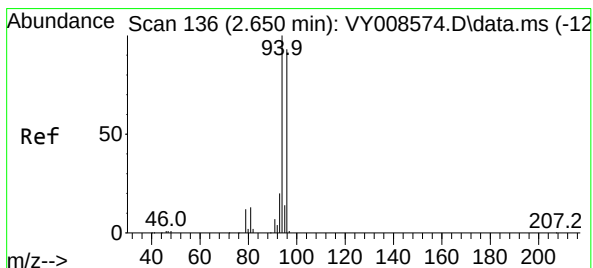
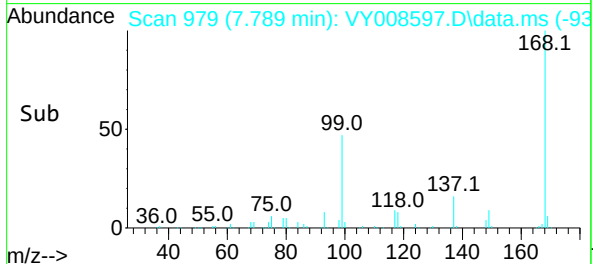
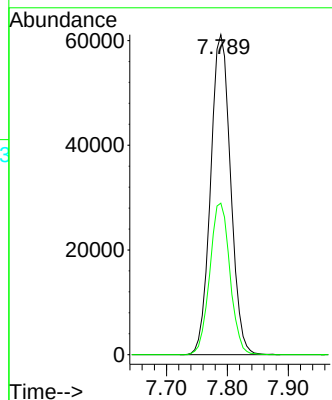
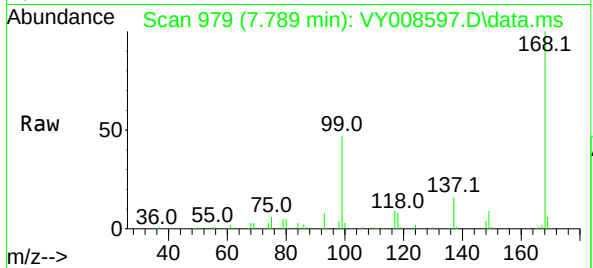




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008597.D
Acq: 03 May 2022 17:16

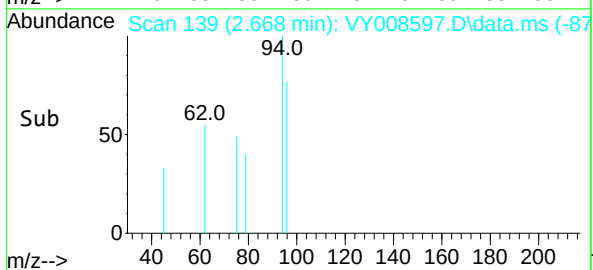
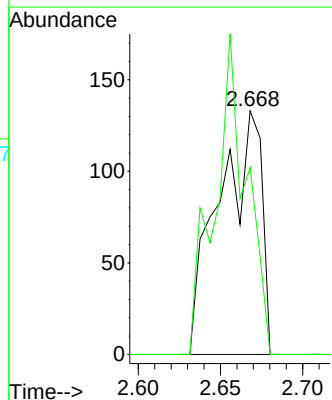
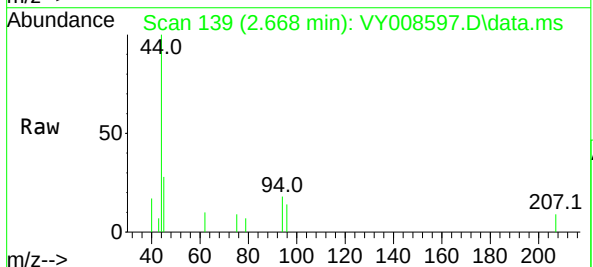
Instrument :
MSVOA_Y
ClientSampleId :
SB-03

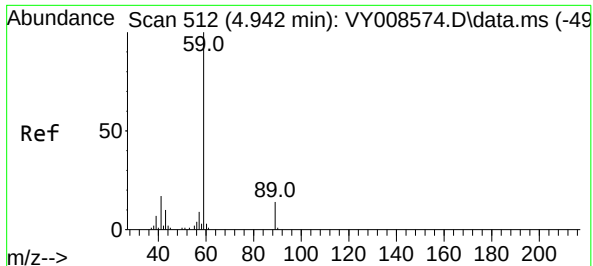
Tgt Ion:168 Resp: 139367
Ion Ratio Lower Upper
168 100
99 47.3 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY008597.D
Acq: 03 May 2022 17:16

Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 76.7 73.5 110.3

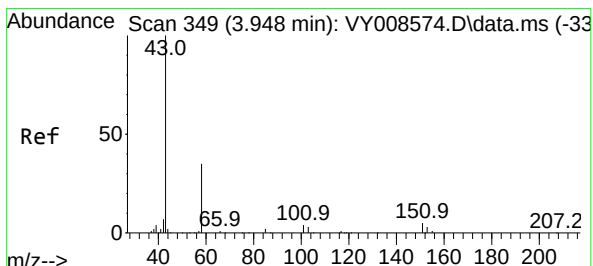
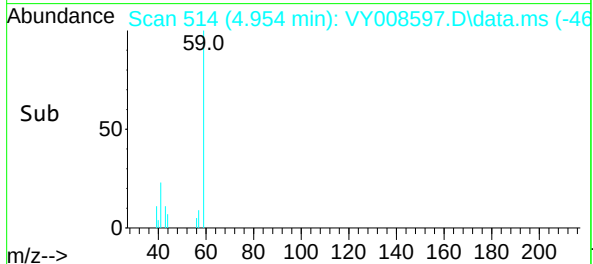
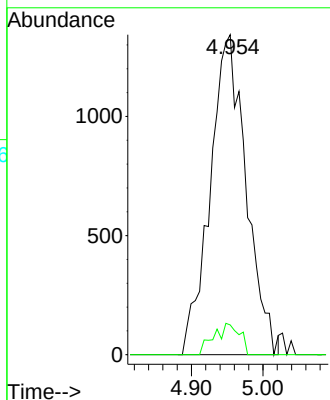
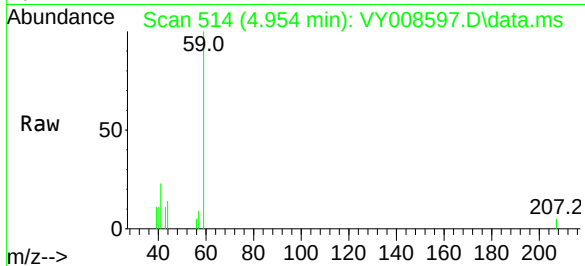




#11
Tert butyl alcohol
Concen: 14.226 ug/l
RT: 4.954 min Scan# 512
Delta R.T. 0.012 min
Lab File: VY008597.D
Acq: 03 May 2022 17:16

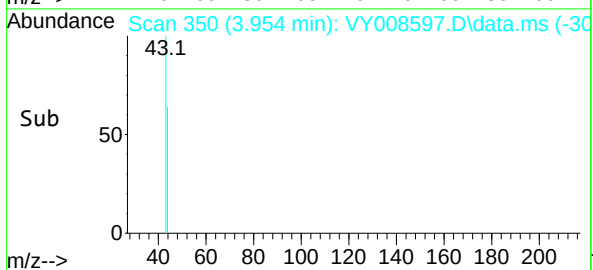
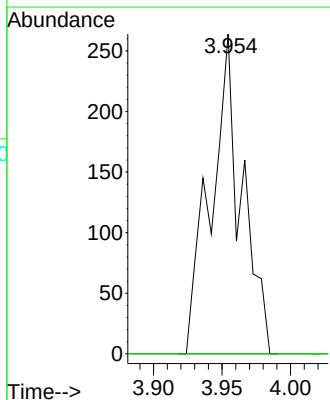
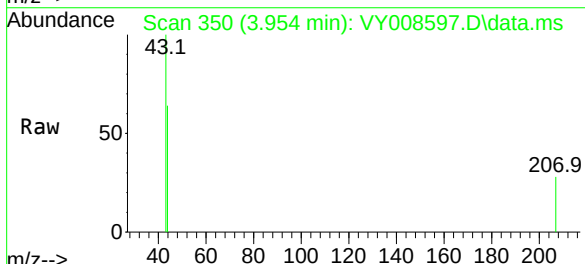
Instrument :
MSVOA_Y
ClientSampleId :
SB-03

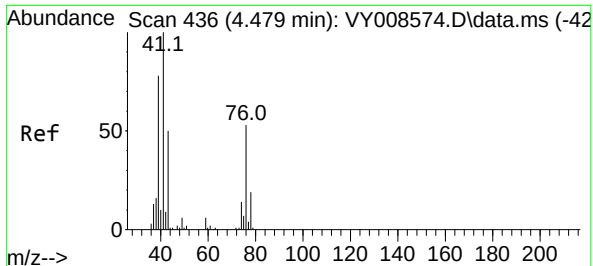
Tgt Ion: 59 Resp: 4705
Ion Ratio Lower Upper
59 100
57 7.0 6.4 9.6



#16
Acetone
Concen: 1.425 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY008597.D
Acq: 03 May 2022 17:16

Tgt Ion: 43 Resp: 416
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#

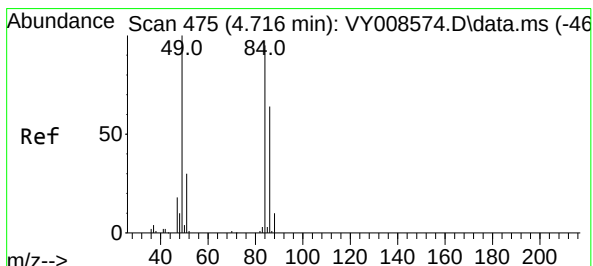
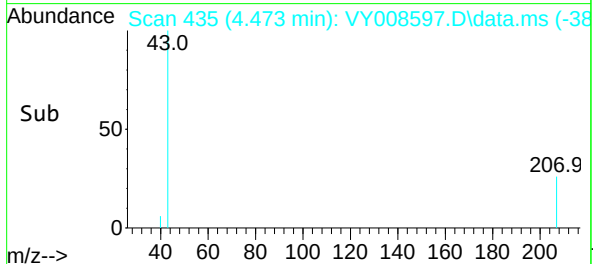
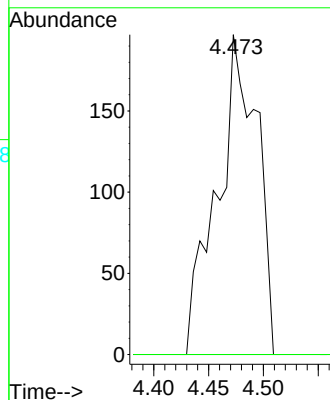
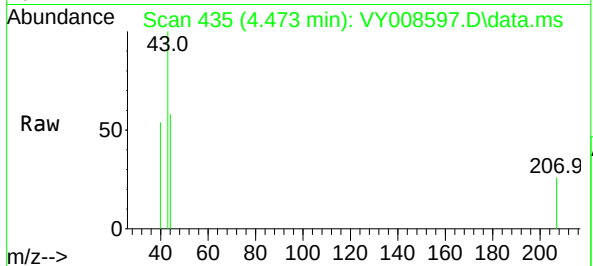




#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008597.D
Acq: 03 May 2022 17:16

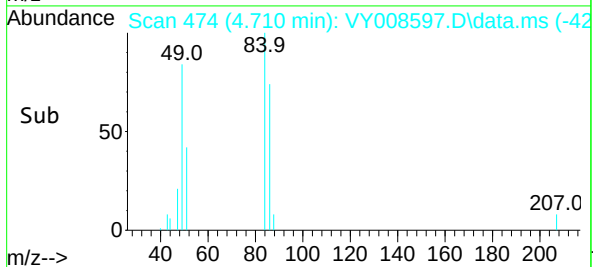
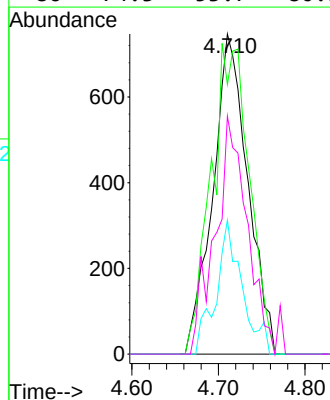
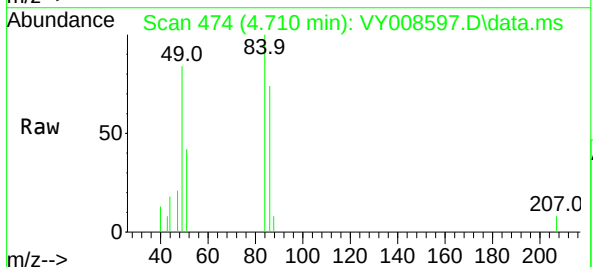
Instrument :
MSVOA_Y
ClientSampleId :
SB-03

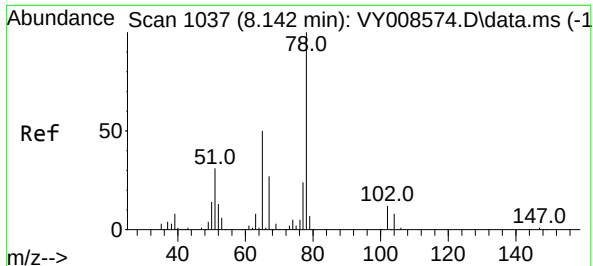
Tgt Ion: 43 Resp: 501
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY008597.D
Acq: 03 May 2022 17:16

Tgt Ion: 84 Resp: 2092
Ion Ratio Lower Upper
84 100
49 84.2 114.4 171.6#
51 41.9 35.3 52.9
86 74.3 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 49.353 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY008597.D

Acq: 03 May 2022 17:16

Instrument :

MSVOA_Y

ClientSampleId :

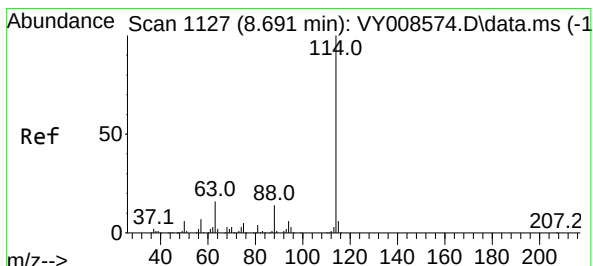
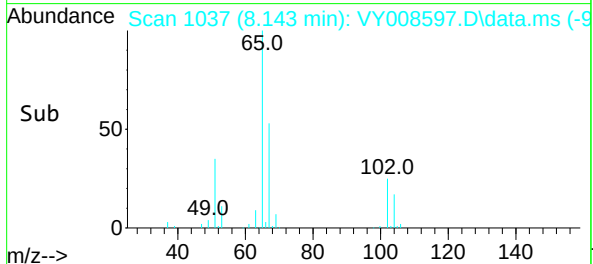
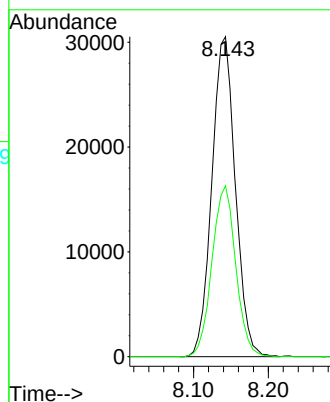
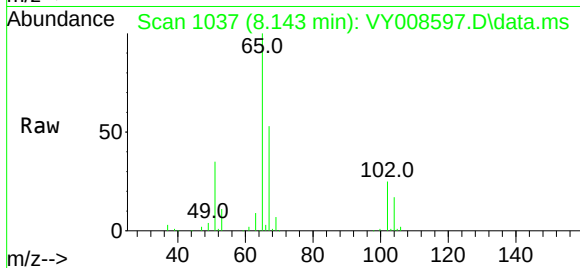
SB-03

Tgt Ion: 65 Resp: 66851

Ion Ratio Lower Upper

65 100

67 53.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY008597.D

Acq: 03 May 2022 17:16

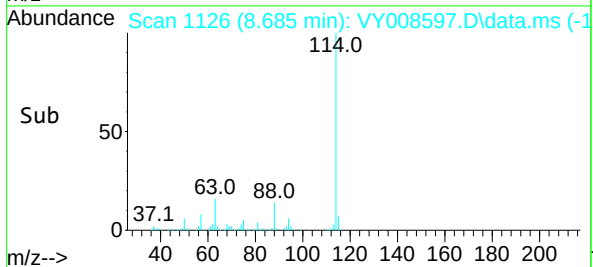
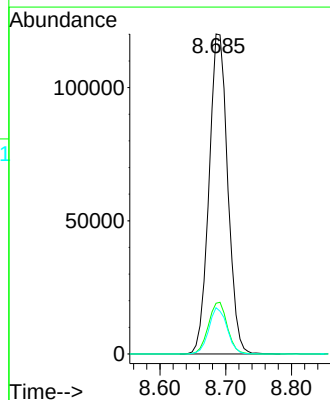
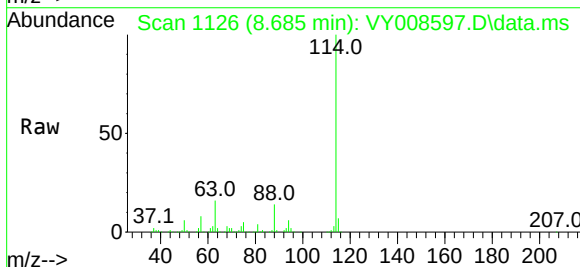
Tgt Ion: 114 Resp: 237556

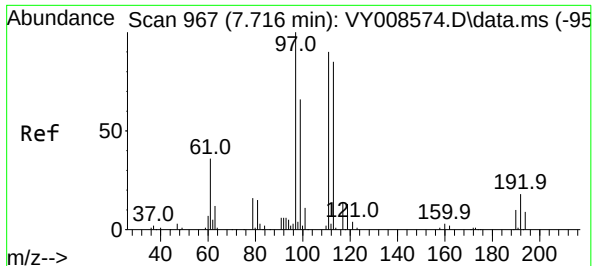
Ion Ratio Lower Upper

114 100

63 15.9 0.0 43.2

88 14.5 0.0 31.8

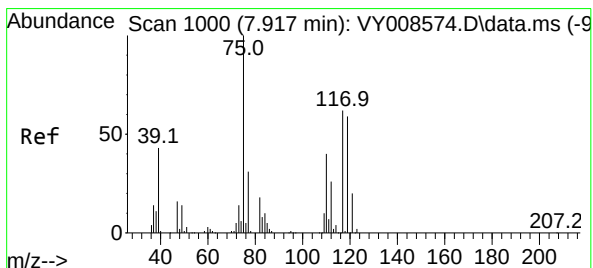
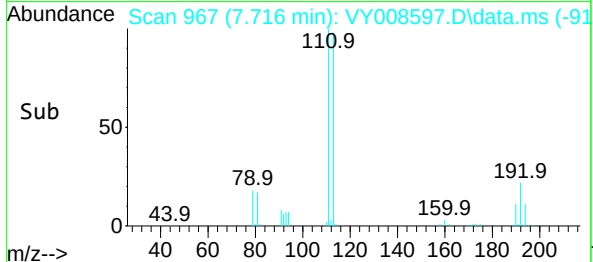
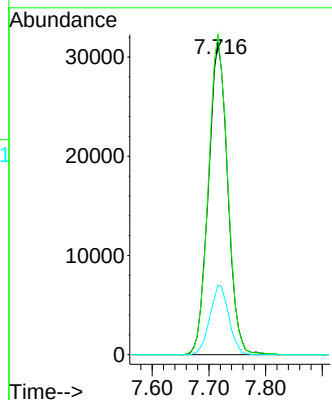
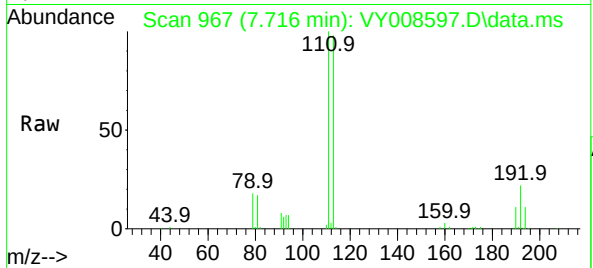




#35
Dibromofluoromethane
Concen: 47.251 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY008597.D
Acq: 03 May 2022 17:16

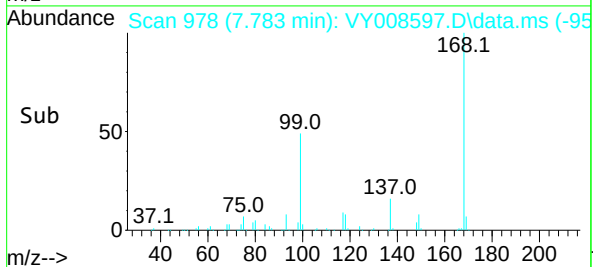
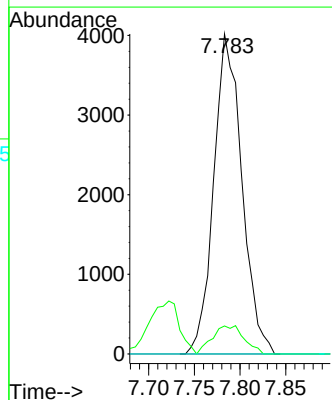
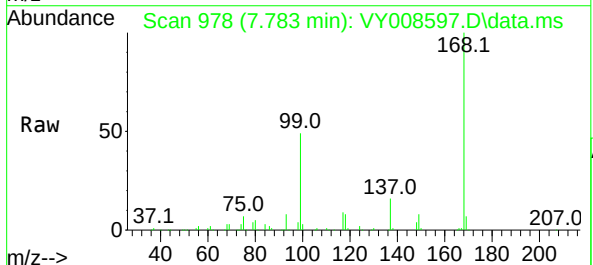
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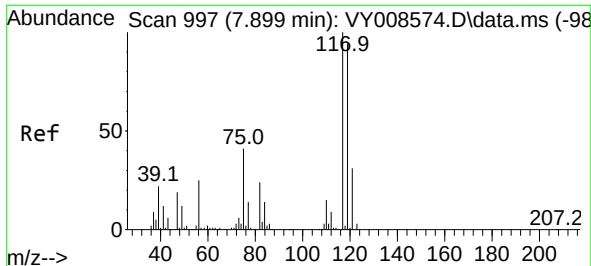
Tgt Ion:113 Resp: 74274
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 21.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 3.515 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY008597.D
Acq: 03 May 2022 17:16

Tgt Ion: 75 Resp: 8592
Ion Ratio Lower Upper
75 100
110 10.0 17.1 51.2#
77 0.0 24.4 36.6#

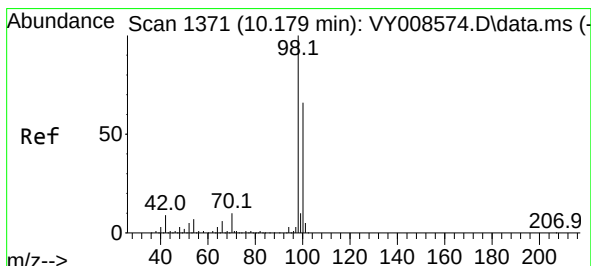
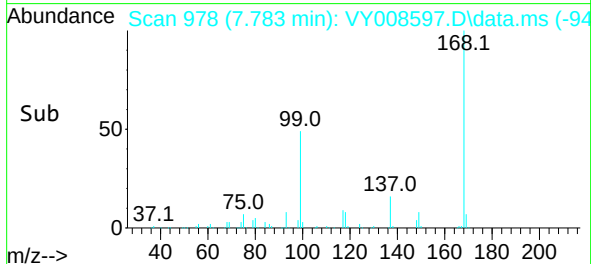
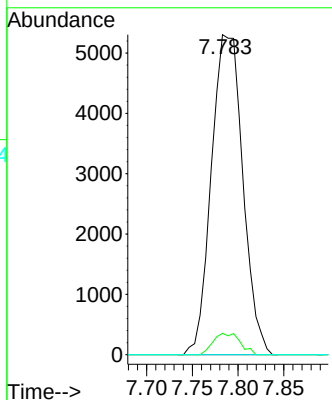
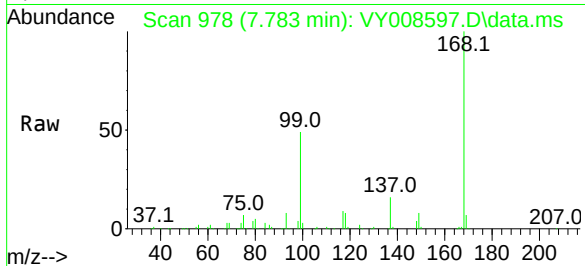




#38
Carbon Tetrachloride
Concen: 4.555 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY008597.D
Acq: 03 May 2022 17:16

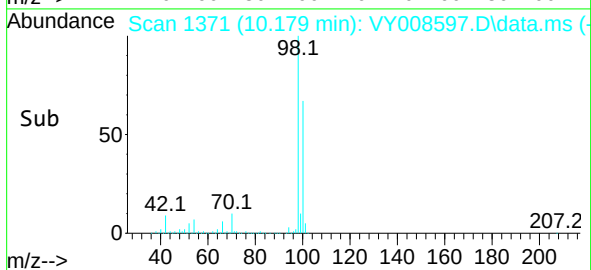
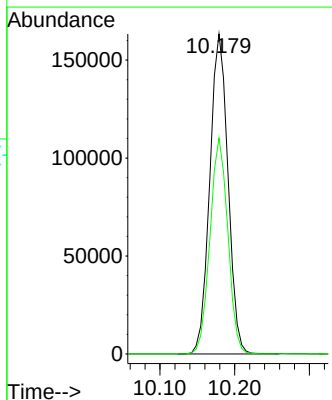
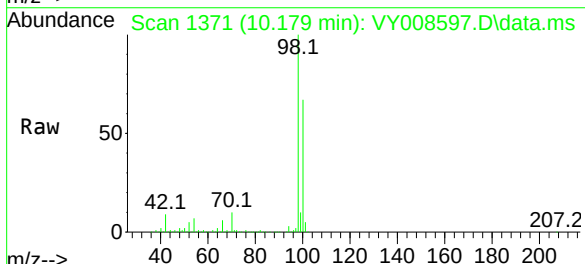
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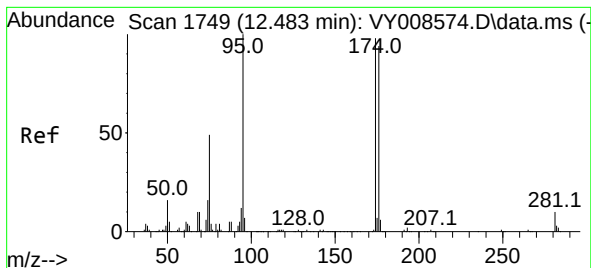
Tgt Ion:117 Resp: 12703
Ion Ratio Lower Upper
117 100
119 6.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.557 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY008597.D
Acq: 03 May 2022 17:16

Tgt Ion: 98 Resp: 275983
Ion Ratio Lower Upper
98 100
100 66.2 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 49.696 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008597.D

Acq: 03 May 2022 17:16

Instrument :

MSVOA_Y

ClientSampleId :

SB-03

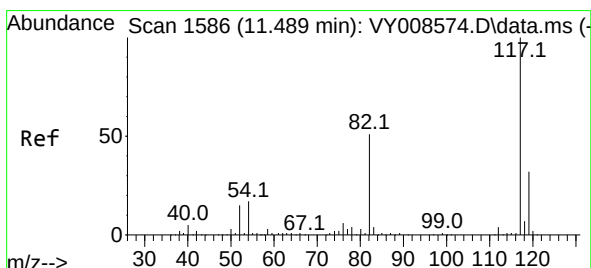
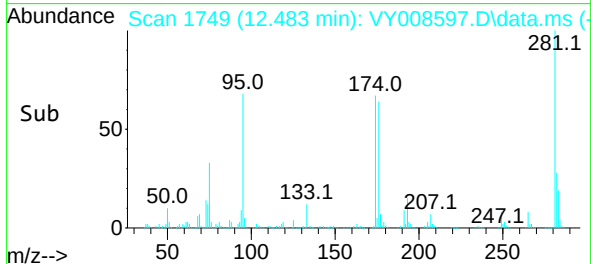
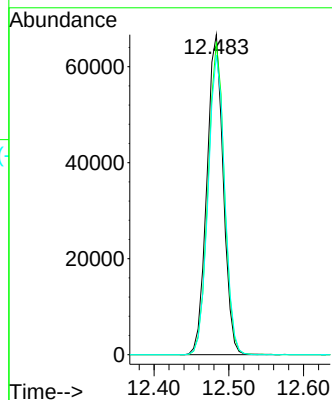
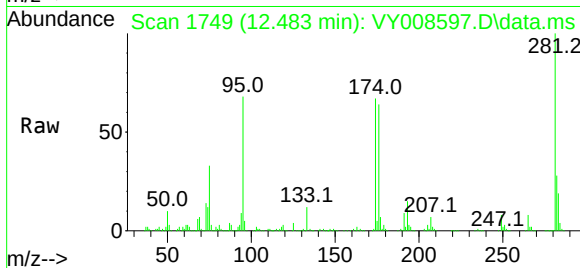
Tgt Ion: 95 Resp: 101438

Ion Ratio Lower Upper

95 100

174 96.7 0.0 177.0

176 95.0 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY008597.D

Acq: 03 May 2022 17:16

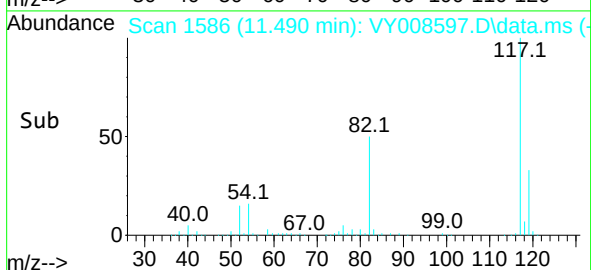
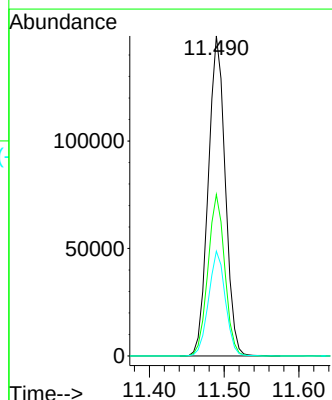
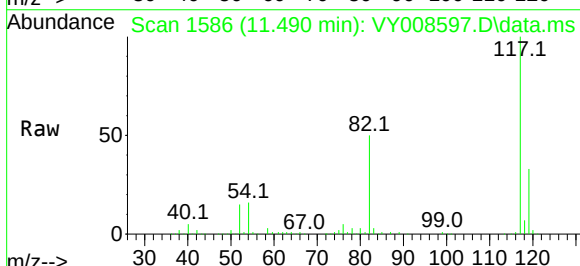
Tgt Ion: 117 Resp: 235294

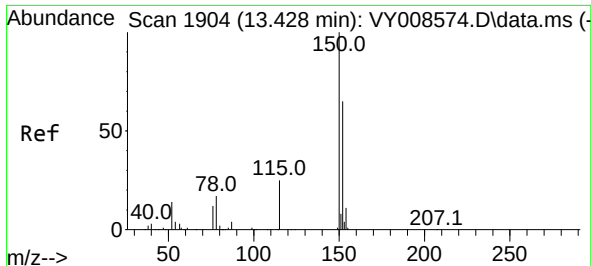
Ion Ratio Lower Upper

117 100

82 50.5 43.0 64.4

119 32.8 25.4 38.0

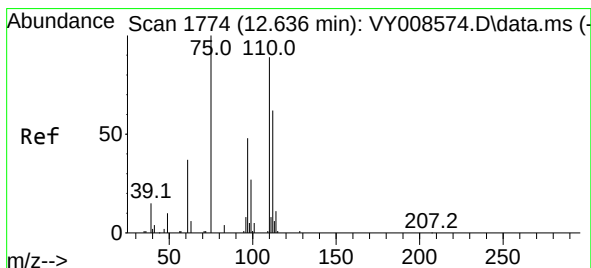
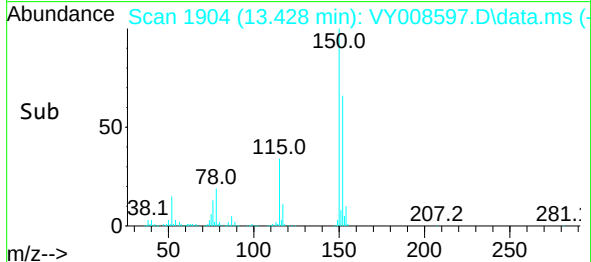
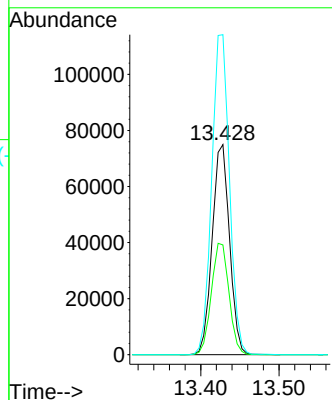
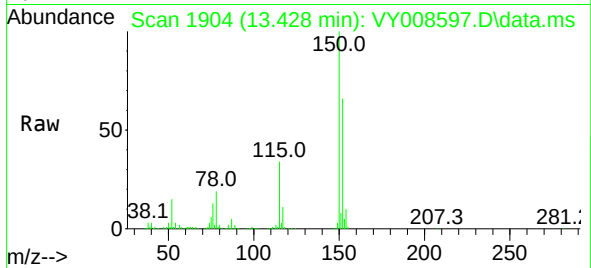




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008597.D
 Acq: 03 May 2022 17:16

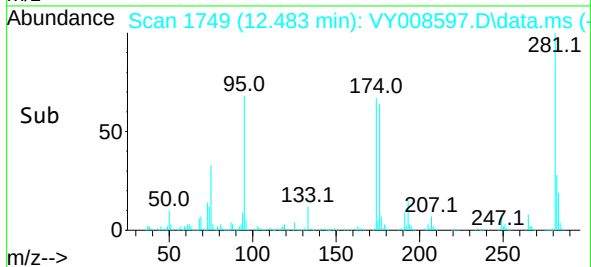
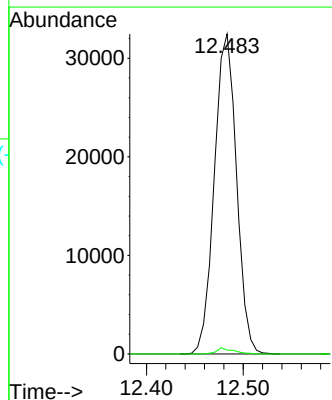
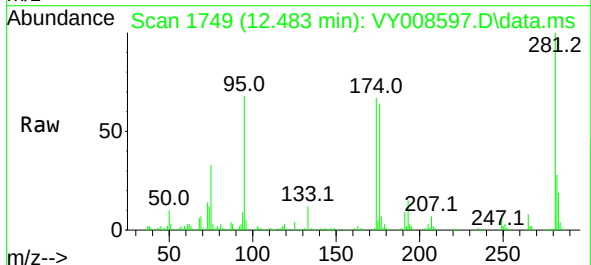
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03

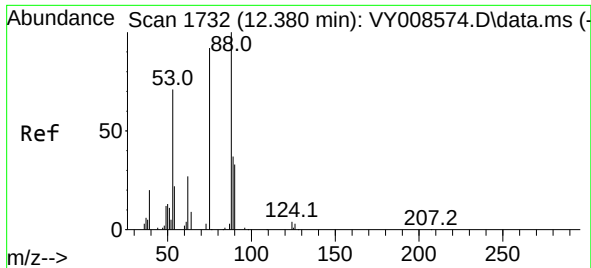
Tgt Ion:152 Resp: 115291
 Ion Ratio Lower Upper
 152 100
 115 53.8 28.2 84.7
 150 155.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 41.974 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY008597.D
 Acq: 03 May 2022 17:16

Tgt Ion: 75 Resp: 51658
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.099 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008597.D
 Acq: 03 May 2022 17:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03

Tgt Ion: 75 Resp: 51658
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 2.2 37.0 55.4#

