

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050422\
 Data File : VY008642.D
 Acq On : 05 May 2022 04:01
 Operator : KP/MD
 Sample : N2665-05
 Misc : 5.49g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4,6

Quant Time: May 05 04:44:08 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

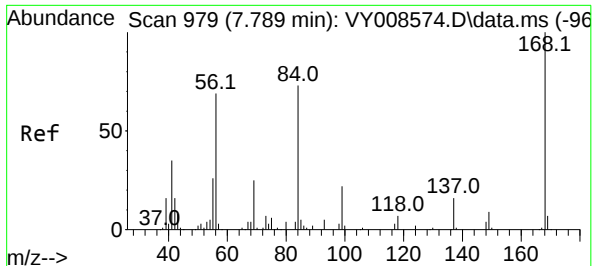
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	116000	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	197918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	203432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	102498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	59905	53.134	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.260%	
35) Dibromofluoromethane	7.716	113	62844	47.986	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.980%	
50) Toluene-d8	10.179	98	236608	50.996	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.000%	
62) 4-Bromofluorobenzene	12.483	95	90837	53.415	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.840%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	181	Below Cal		98
11) Tert butyl alcohol	4.948	59	74	Below Cal	#	77
16) Acetone	3.942	43	493	2.029	ug/l #	79
18) Methyl Acetate	4.473	43	418	Below Cal	#	56
20) Methylene Chloride	4.710	84	5012	Below Cal	#	70
36) 1,1-Dichloropropene	7.783	75	7636	3.750	ug/l #	52
38) Carbon Tetrachloride	7.789	117	10597	4.561	ug/l #	16
67) Ethyl Benzene	11.593	91	8837	1.072	ug/l	100
68) m/p-Xylenes	11.697	106	16351	4.855	ug/l	88
69) o-Xylene	12.026	106	6035	1.870	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	49089	44.865	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49089	90.960	ug/l #	9

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

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Response via : Initial Calibration

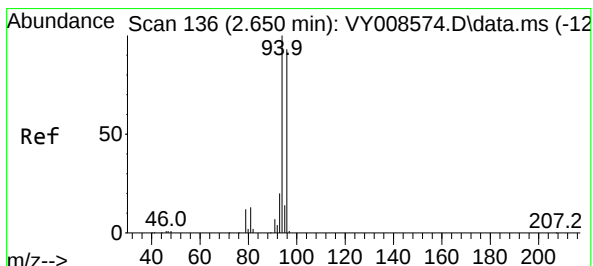
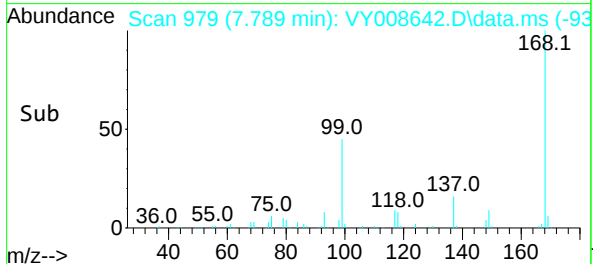
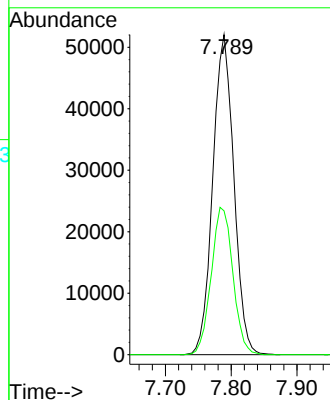
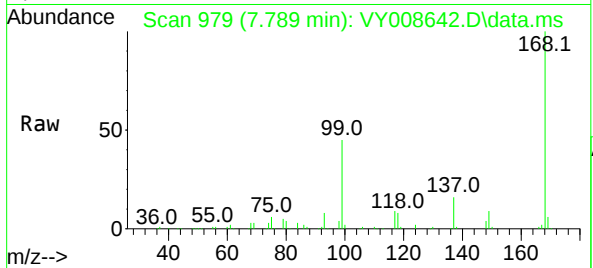




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008642.D
Acq: 05 May 2022 04:01

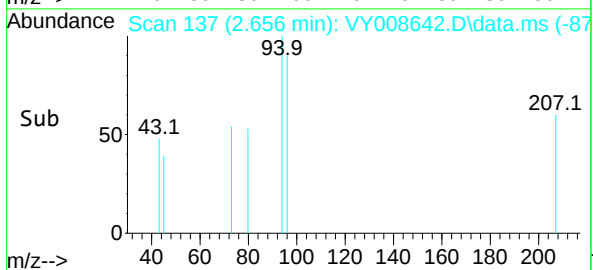
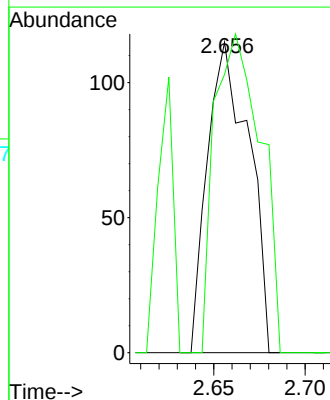
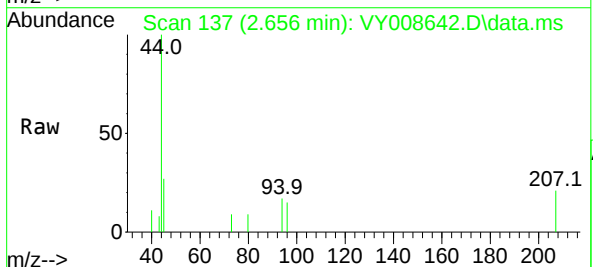
Instrument :
MSVOA_Y
ClientSampleId :
SB-4,6

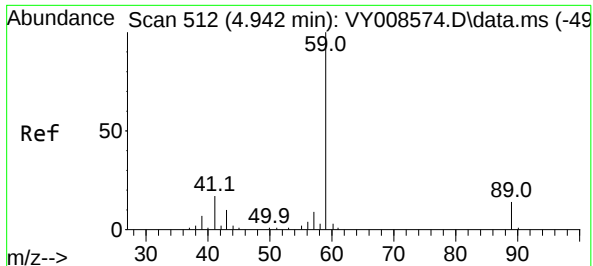
Tgt Ion:168 Resp: 116000
Ion Ratio Lower Upper
168 100
99 44.9 46.9 70.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.006 min
Lab File: VY008642.D
Acq: 05 May 2022 04:01

Tgt Ion: 94 Resp: 181
Ion Ratio Lower Upper
94 100
96 89.6 73.5 110.3

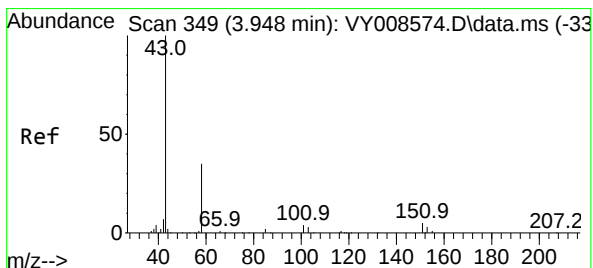
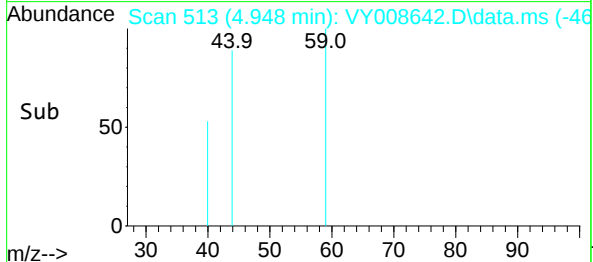
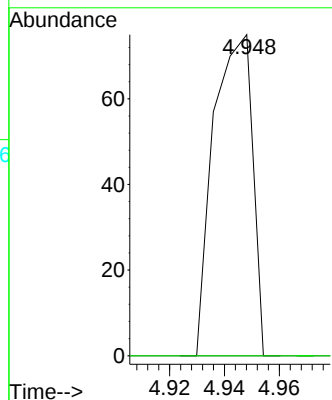
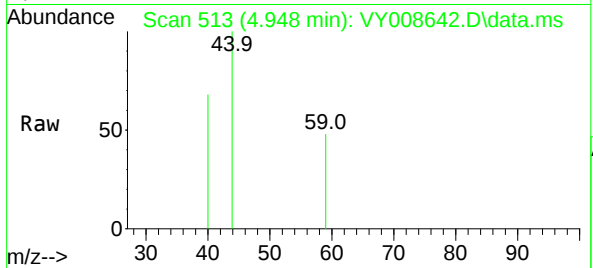




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY008642.D
Acq: 05 May 2022 04:01

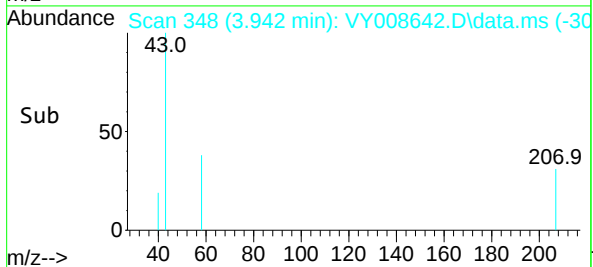
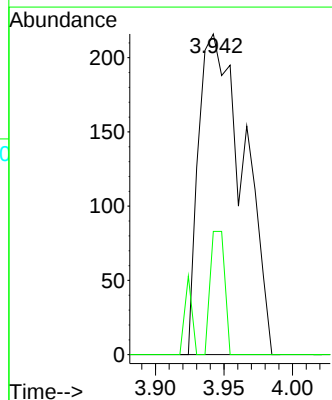
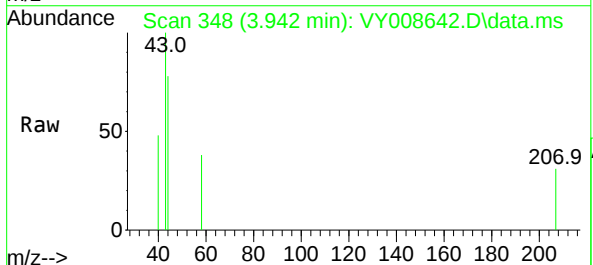
Instrument :
MSVOA_Y
ClientSampleId :
SB-4,6

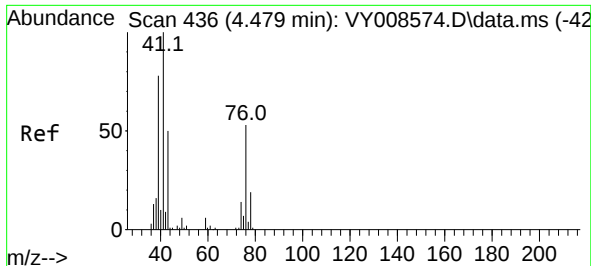
Tgt Ion: 59 Resp: 74
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 2.029 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY008642.D
Acq: 05 May 2022 04:01

Tgt Ion: 43 Resp: 493
Ion Ratio Lower Upper
43 100
58 38.4 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.473 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY008642.D

Acq: 05 May 2022 04:01

Instrument :

MSVOA_Y

ClientSampleId :

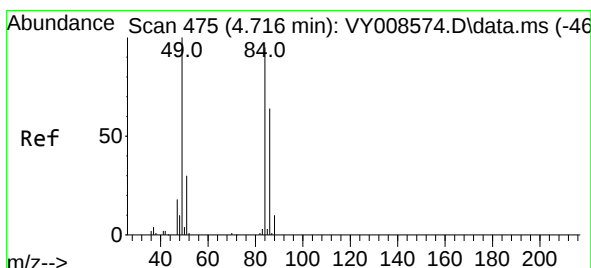
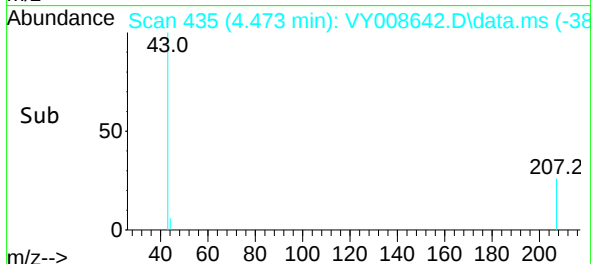
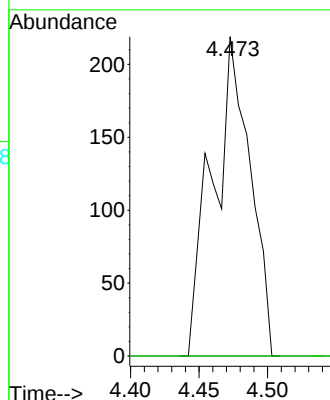
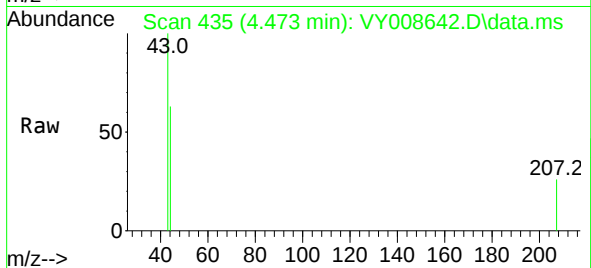
SB-4,6

Tgt Ion: 43 Resp: 418

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: VY008642.D

Acq: 05 May 2022 04:01

Tgt Ion: 84 Resp: 5012

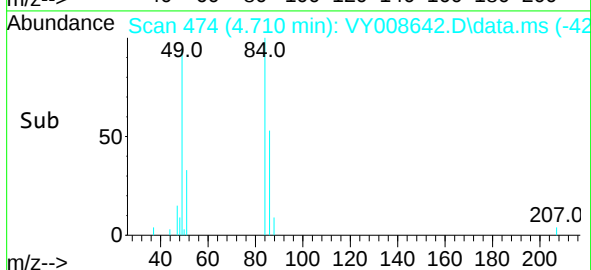
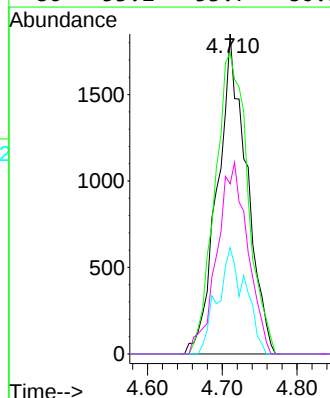
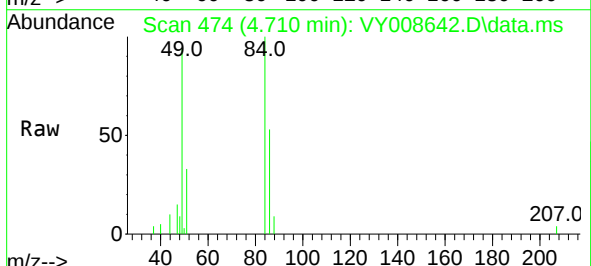
Ion Ratio Lower Upper

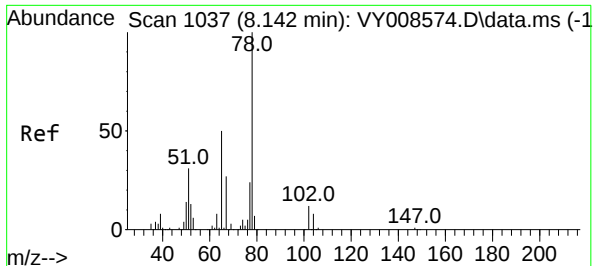
84 100

49 94.2 114.4 171.6#

51 33.2 35.3 52.9#

86 53.2 53.7 80.5#





#33

1,2-Dichloroethane-d4

Concen: 53.134 ug/l

RT: 8.137 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY008642.D

Acq: 05 May 2022 04:01

Instrument :

MSVOA_Y

ClientSampleId :

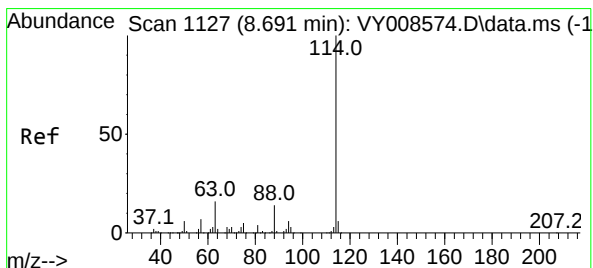
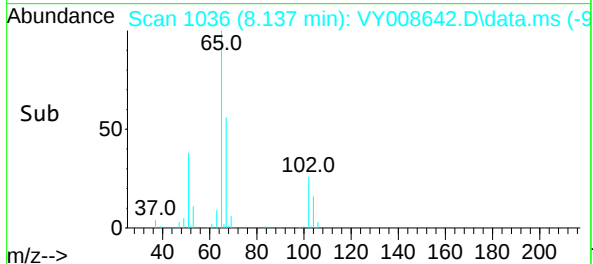
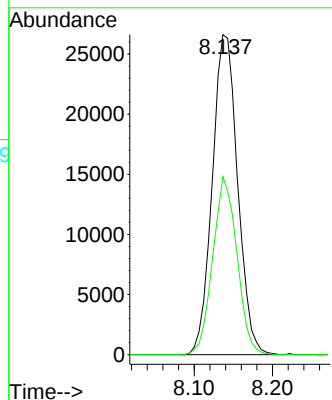
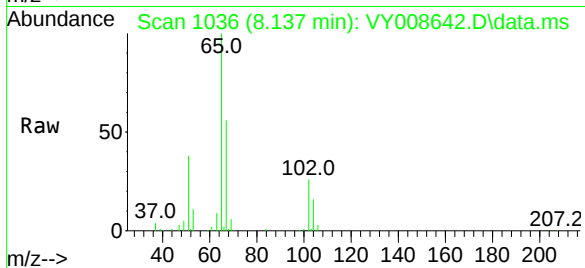
SB-4,6

Tgt Ion: 65 Resp: 59905

Ion Ratio Lower Upper

65 100

67 53.0 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: VY008642.D

Acq: 05 May 2022 04:01

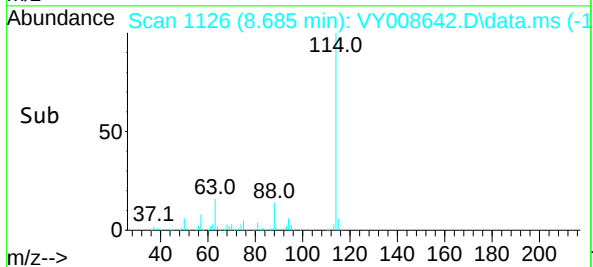
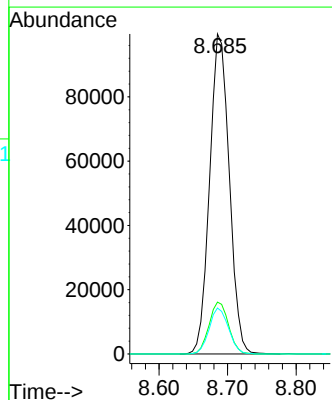
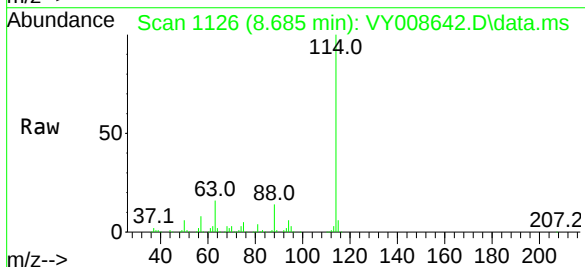
Tgt Ion: 114 Resp: 197918

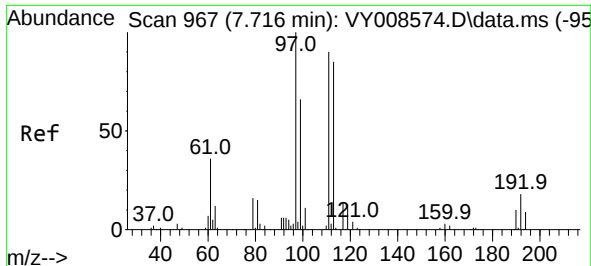
Ion Ratio Lower Upper

114 100

63 16.2 0.0 43.2

88 14.3 0.0 31.8

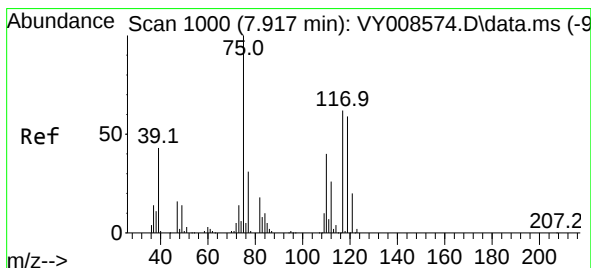
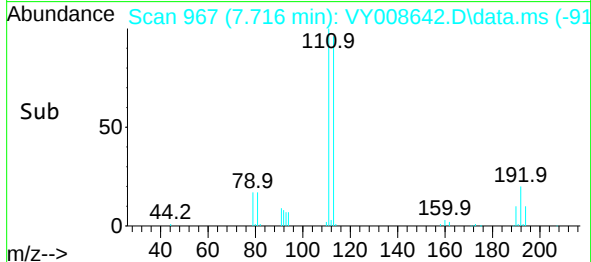
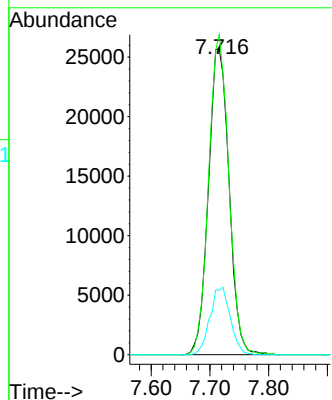
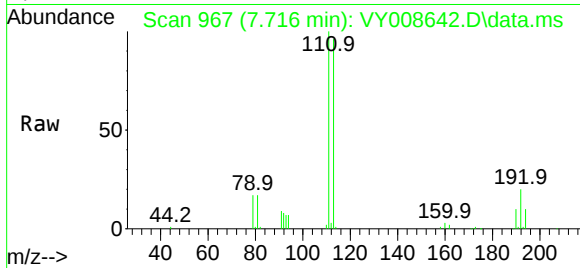




#35
Dibromofluoromethane
Concen: 47.986 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY008642.D
Acq: 05 May 2022 04:01

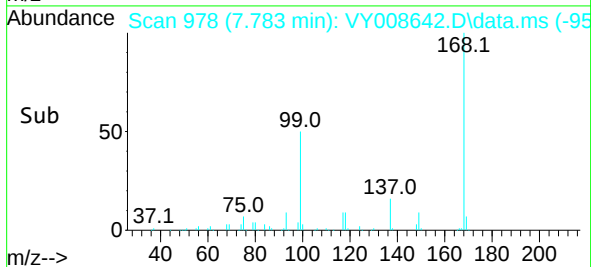
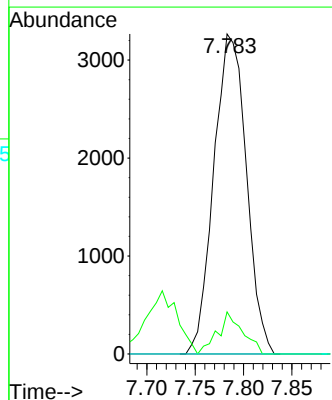
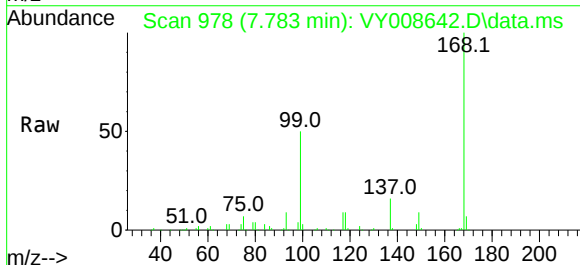
Instrument :
MSVOA_Y
ClientSampleId :
SB-4,6

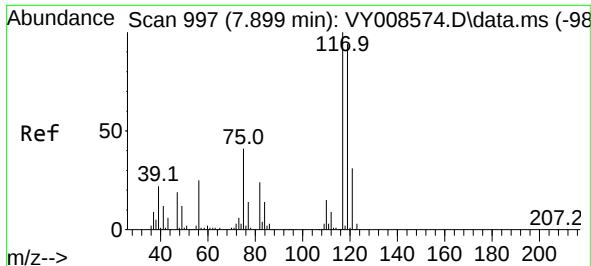
Tgt Ion:113 Resp: 62844
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 21.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 3.750 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY008642.D
Acq: 05 May 2022 04:01

Tgt Ion: 75 Resp: 7636
Ion Ratio Lower Upper
75 100
110 10.1 17.1 51.2#
77 0.0 24.4 36.6#

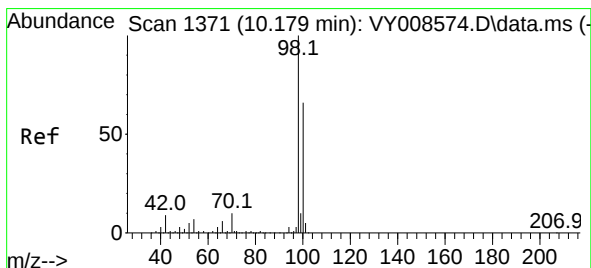
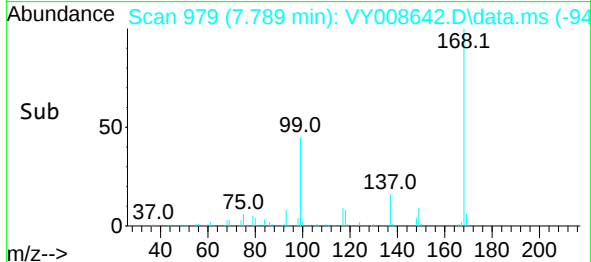
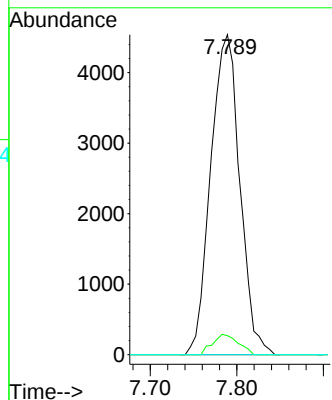
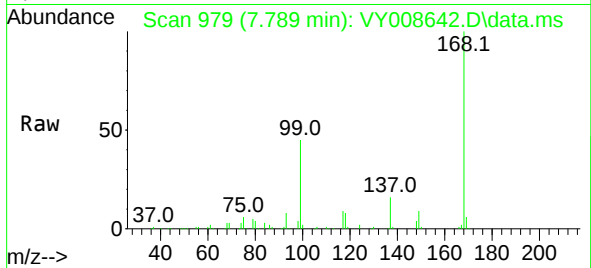




#38
Carbon Tetrachloride
Concen: 4.561 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008642.D
Acq: 05 May 2022 04:01

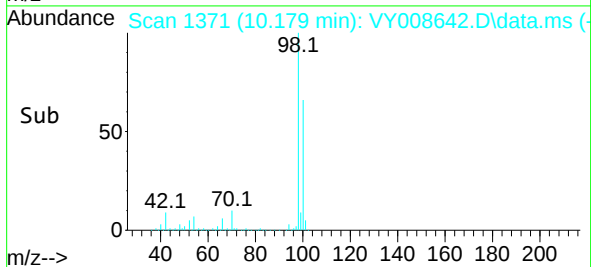
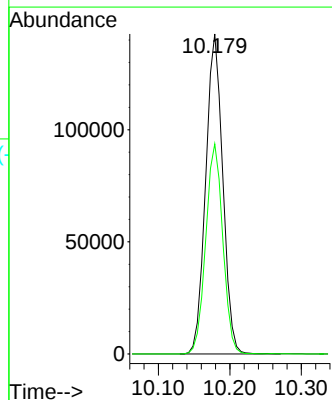
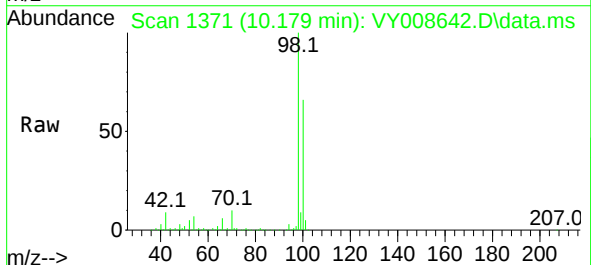
Instrument :
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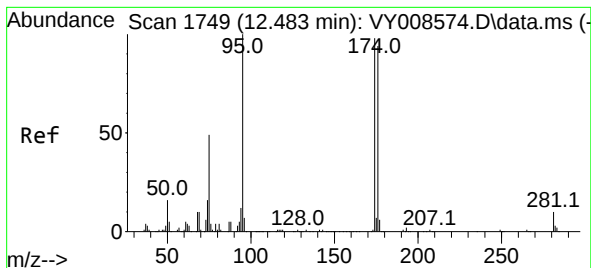
Tgt Ion:117 Resp: 10597
Ion Ratio Lower Upper
117 100
119 6.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.996 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY008642.D
Acq: 05 May 2022 04:01

Tgt Ion: 98 Resp: 236608
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2

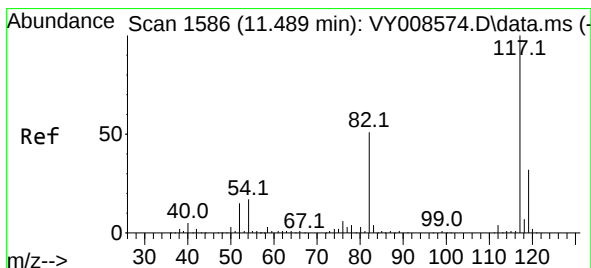
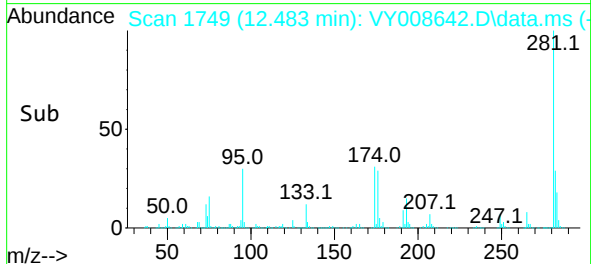
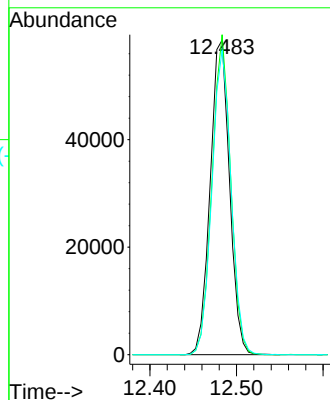
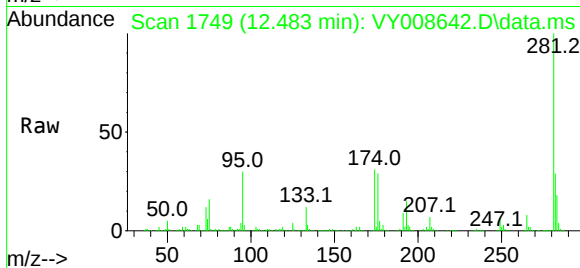




#62
4-Bromofluorobenzene
Concen: 53.415 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008642.D
Acq: 05 May 2022 04:01

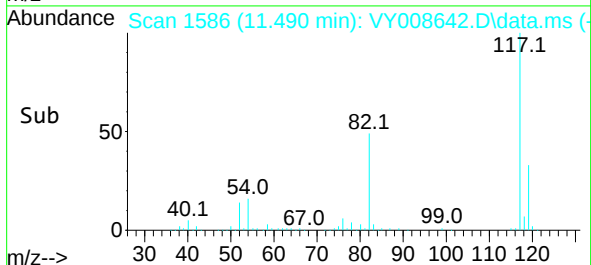
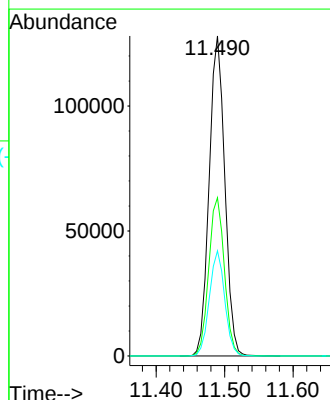
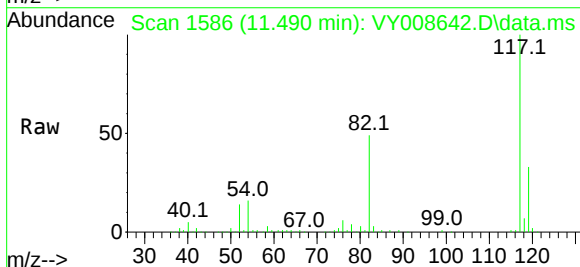
Instrument :
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SB-4,6

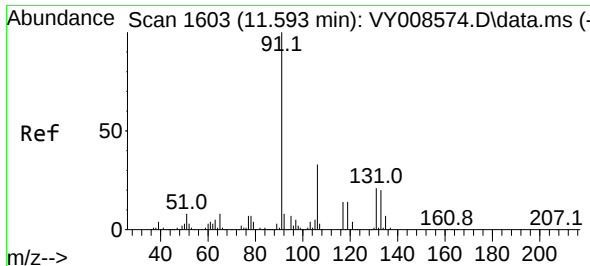
Tgt Ion: 95 Resp: 90837
Ion Ratio Lower Upper
95 100
174 97.9 0.0 177.0
176 96.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008642.D
Acq: 05 May 2022 04:01

Tgt Ion: 117 Resp: 203432
Ion Ratio Lower Upper
117 100
82 49.4 43.0 64.4
119 32.8 25.4 38.0





#67

Ethyl Benzene

Concen: 1.072 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008642.D

Acq: 05 May 2022 04:01

Instrument :

MSVOA_Y

ClientSampleId :

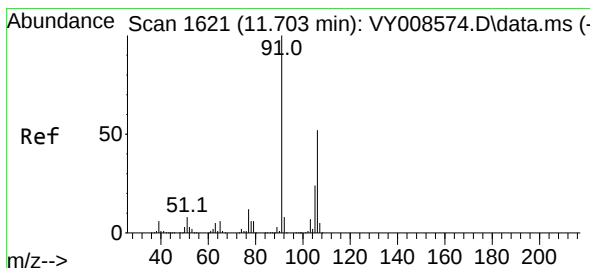
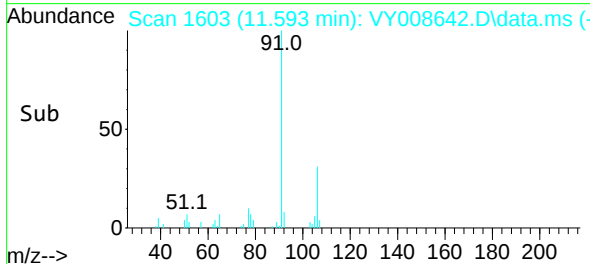
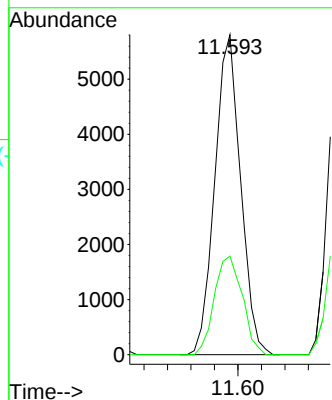
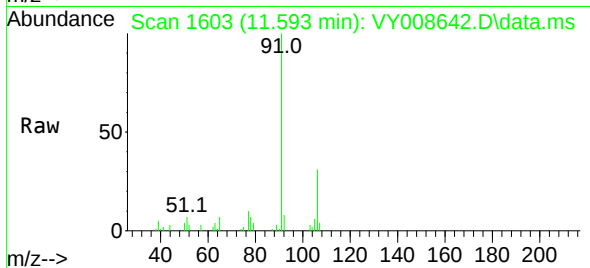
SB-4,6

Tgt Ion: 91 Resp: 8837

Ion Ratio Lower Upper

91 100

106 30.8 24.5 36.7



#68

m/p-Xylenes

Concen: 4.855 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY008642.D

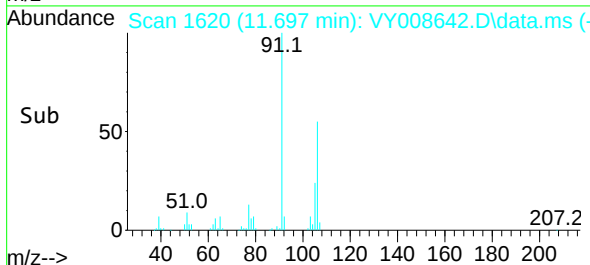
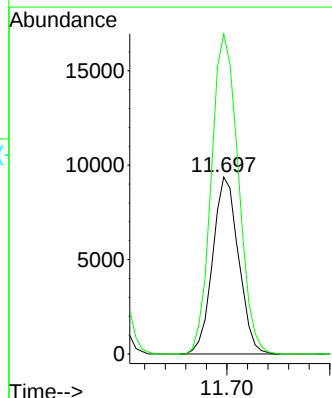
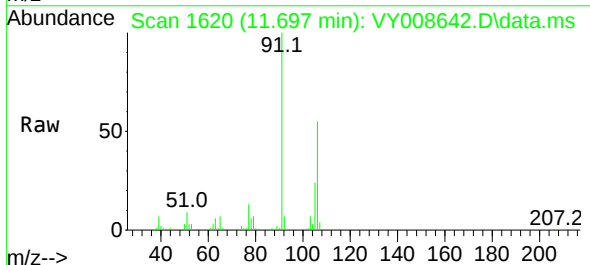
Acq: 05 May 2022 04:01

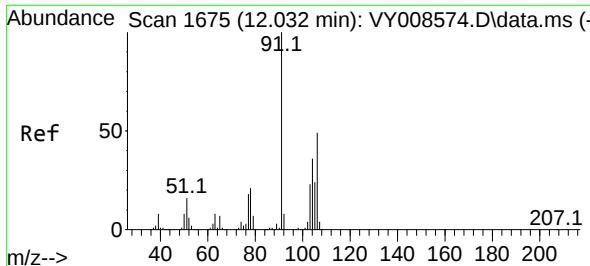
Tgt Ion: 106 Resp: 16351

Ion Ratio Lower Upper

106 100

91 189.2 166.6 249.8

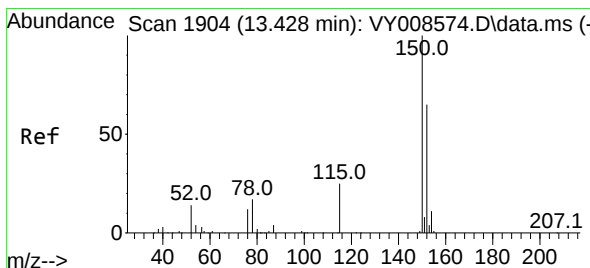
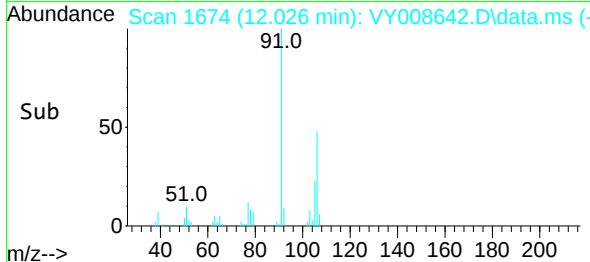
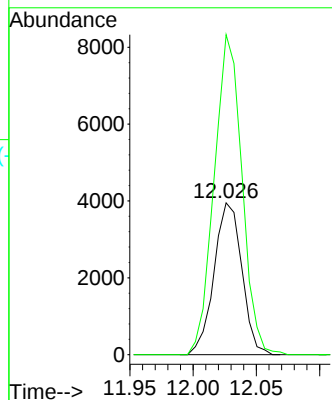
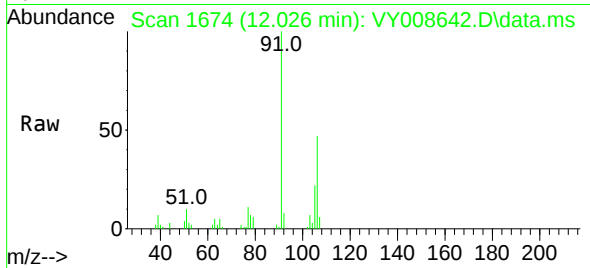




#69
o-Xylene
Concen: 1.870 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY008642.D
Acq: 05 May 2022 04:01

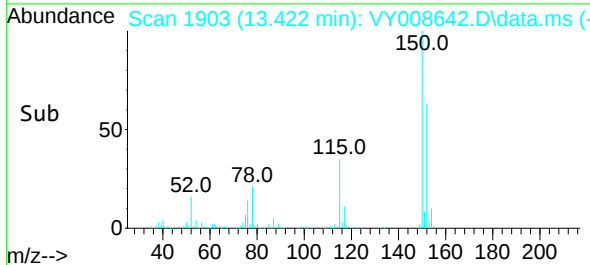
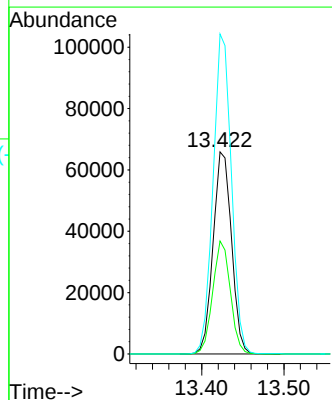
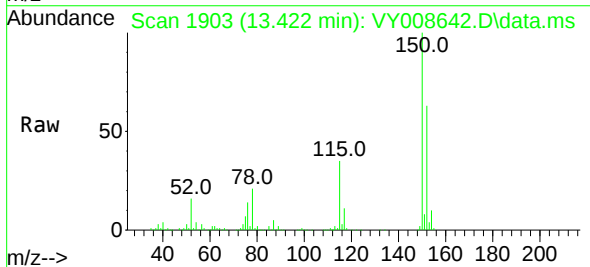
Instrument :
MSVOA_Y
ClientSampleId :
SB-4,6

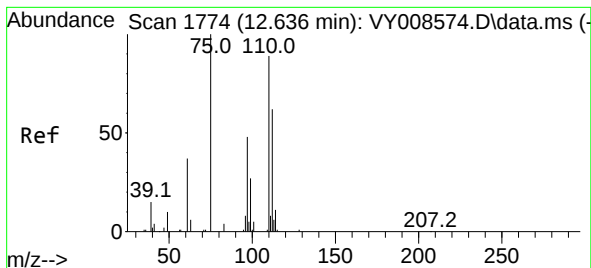
Tgt Ion:106 Resp: 6035
Ion Ratio Lower Upper
106 100
91 210.6 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY008642.D
Acq: 05 May 2022 04:01

Tgt Ion:152 Resp: 102498
Ion Ratio Lower Upper
152 100
115 53.6 28.2 84.7
150 157.2 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 44.865 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008642.D

Acq: 05 May 2022 04:01

Instrument :

MSVOA_Y

ClientSampleId :

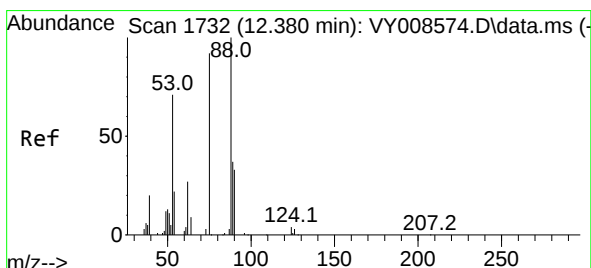
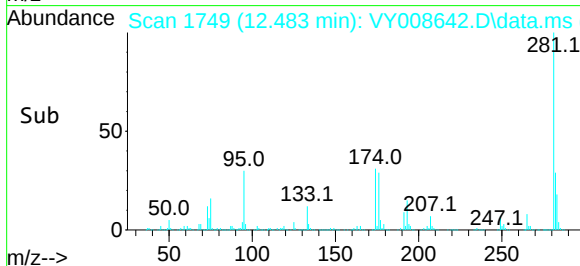
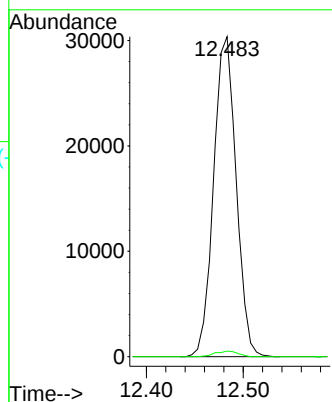
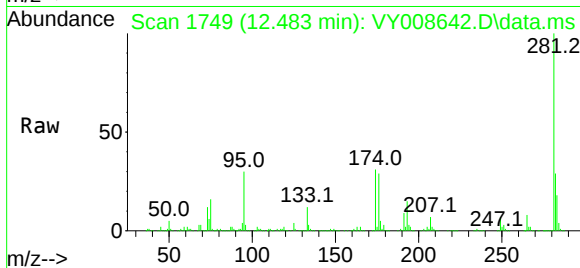
SB-4,6

Tgt Ion: 75 Resp: 49089

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.960 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY008642.D

Acq: 05 May 2022 04:01

Tgt Ion: 75 Resp: 49089

Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 4.3 37.0 55.4#

