

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013594.D
 Acq On : 04 May 2023 12:56
 Operator : KP/MD
 Sample : VY0504SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBL01

Quant Time: May 05 00:58:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

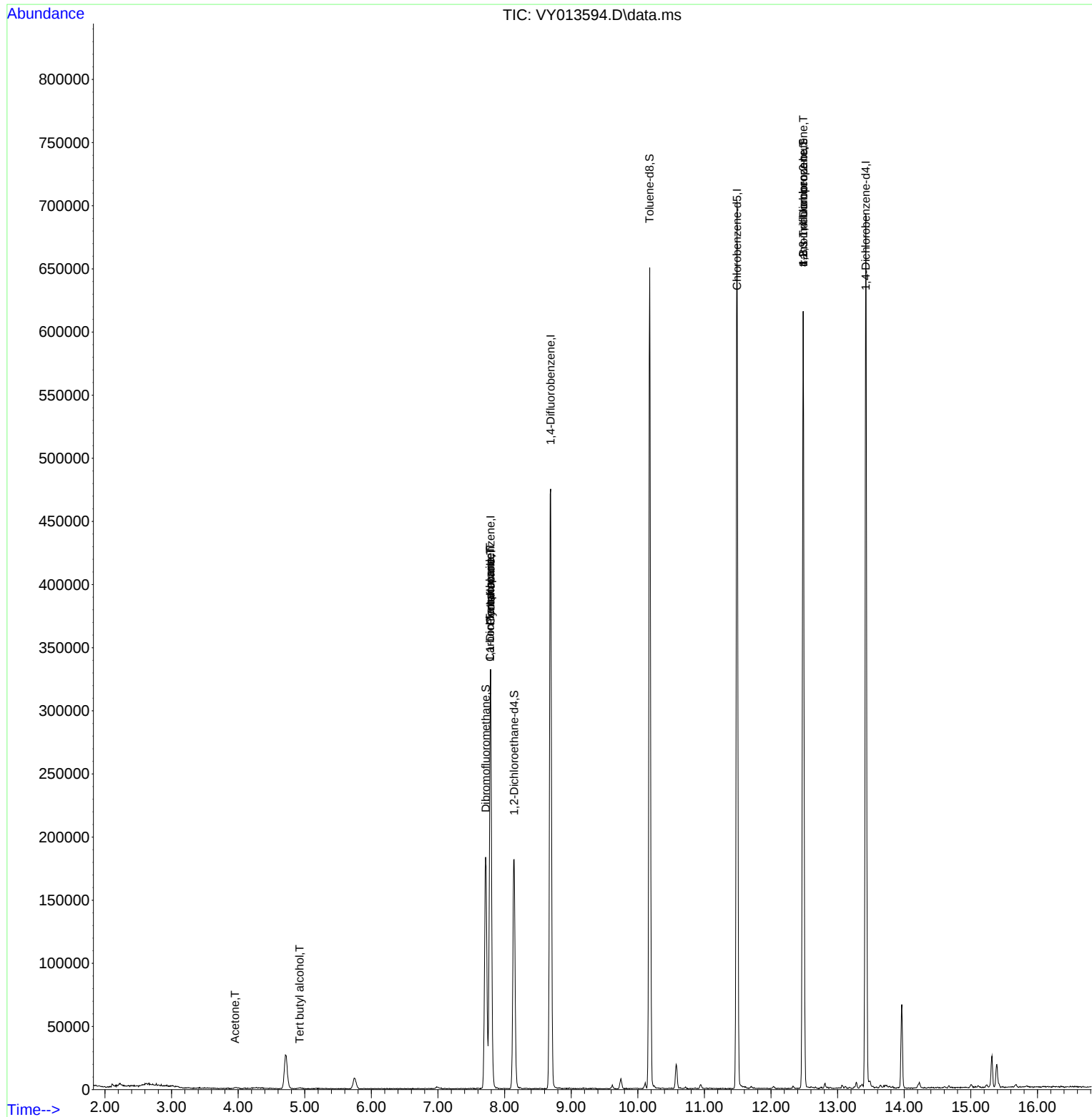
Internal Standards						
1) Pentafluorobenzene	7.789	168	255159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	404185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	365713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	176412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	151906	54.308	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.620%			
35) Dibromofluoromethane	7.716	113	128460	50.532	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.060%			
50) Toluene-d8	10.179	98	418704	46.299	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.600%			
62) 4-Bromofluorobenzene	12.483	95	142103	46.610	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.220%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.924	59	631	2.648	ug/l #	89
13) Acrolein	3.558	56	19	Below Cal	#	60
16) Acetone	3.954	43	1530	1.389	ug/l #	85
20) Methylene Chloride	4.716	84	20201	Below Cal		94
31) Cyclohexane	7.789	56	5626	1.123	ug/l #	33
36) 1,1-Dichloropropene	7.783	75	19055	4.516	ug/l #	48
38) Carbon Tetrachloride	7.783	117	24392	5.516	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	78151	32.849	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	78151	67.194	ug/l #	13

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

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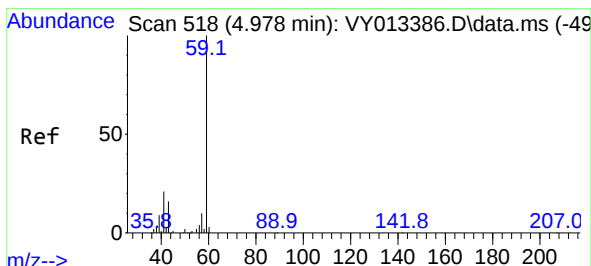
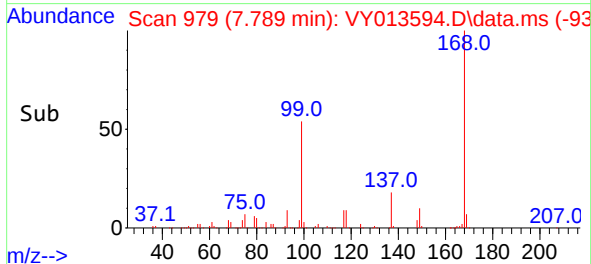
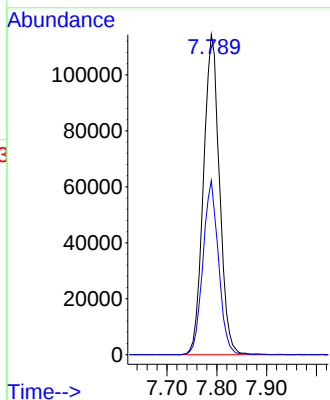
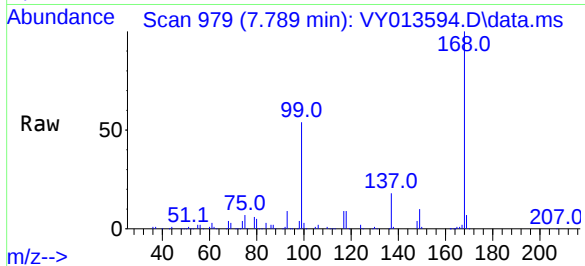




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013594.D
Acq: 04 May 2023 12:56

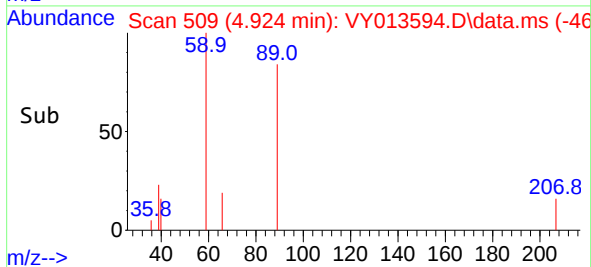
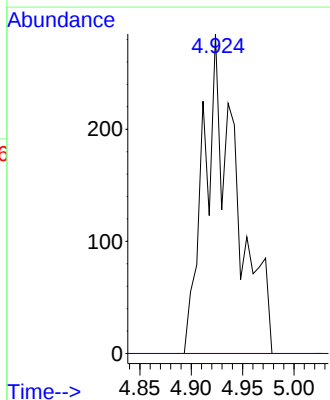
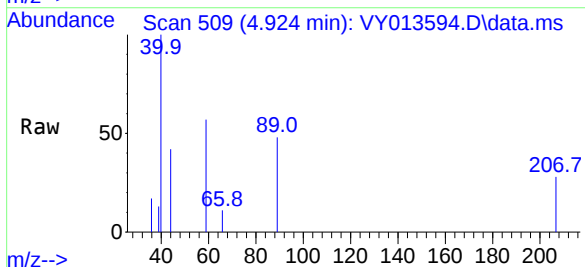
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBL01

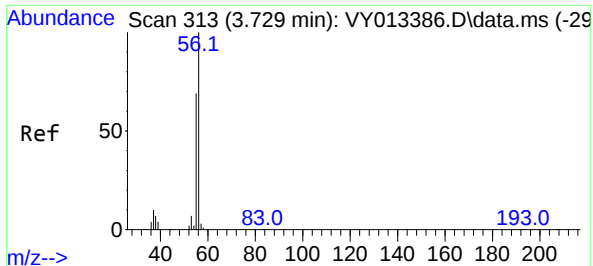
Tgt Ion:168 Resp: 255159
Ion Ratio Lower Upper
168 100
99 54.4 41.8 62.6



#11
Tert butyl alcohol
Concen: 2.648 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.054 min
Lab File: VY013594.D
Acq: 04 May 2023 12:56

Tgt Ion: 59 Resp: 631
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

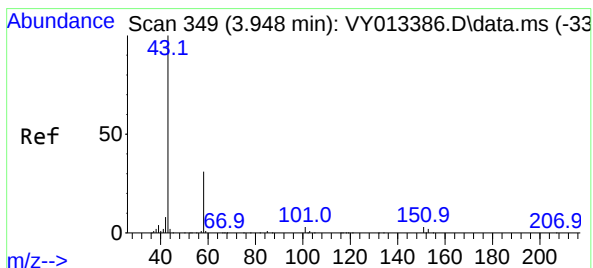
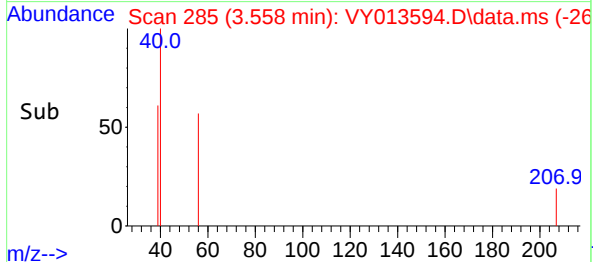
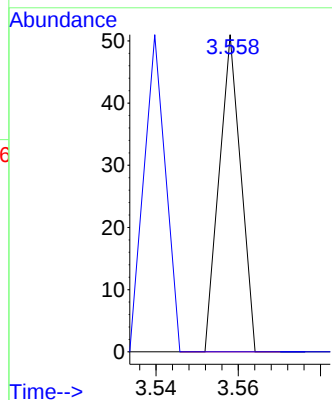
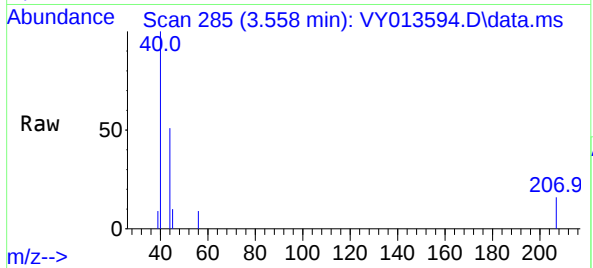




#13
Acrolein
Concen: Below Cal
RT: 3.558 min Scan# 21
Delta R.T. -0.171 min
Lab File: VY013594.D
Acq: 04 May 2023 12:56

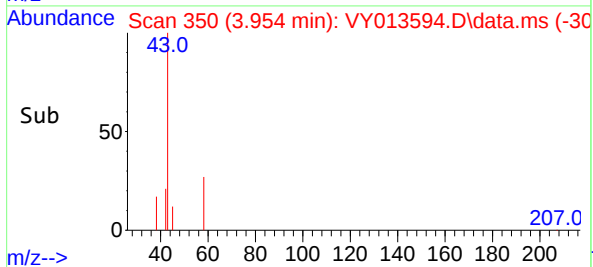
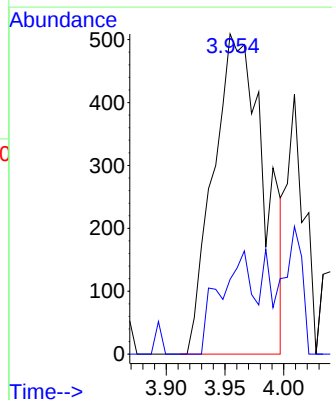
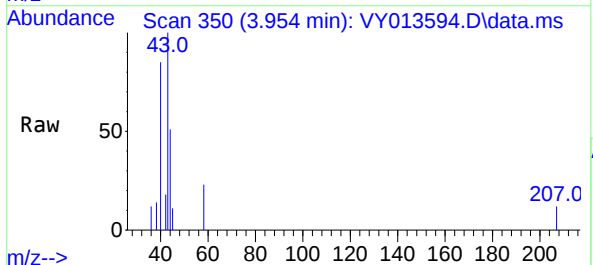
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBL01

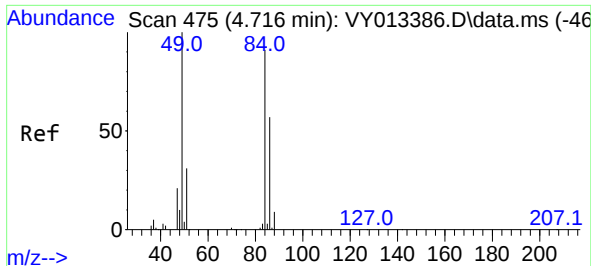
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 100.0 54.1 81.1#



#16
Acetone
Concen: 1.389 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013594.D
Acq: 04 May 2023 12:56

Tgt Ion: 43 Resp: 1530
Ion Ratio Lower Upper
43 100
58 23.4 25.4 38.0#



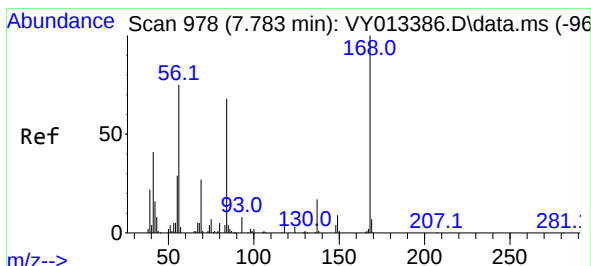
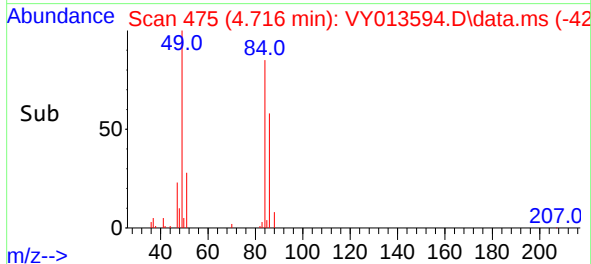
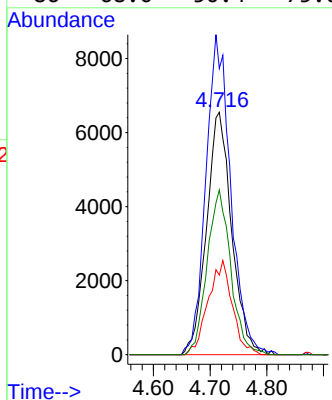
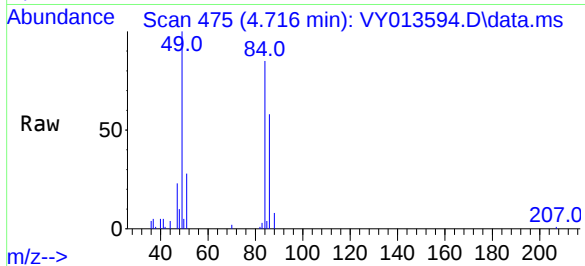


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013594.D
Acq: 04 May 2023 12:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBL01

Tgt Ion: 84 Resp: 20201

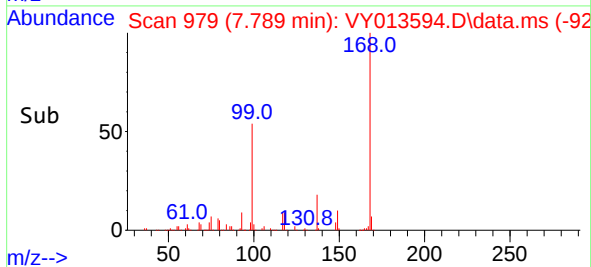
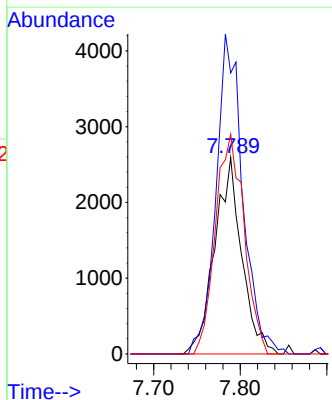
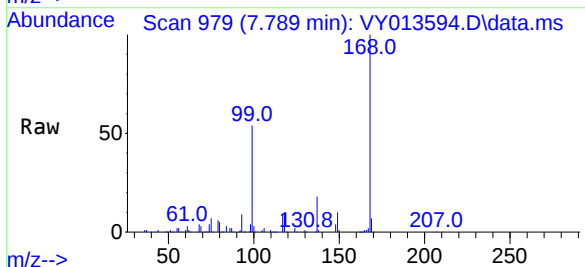
Ion	Ratio	Lower	Upper
84	100		
49	118.1	88.0	132.0
51	32.8	27.4	41.0
86	68.0	50.4	75.6

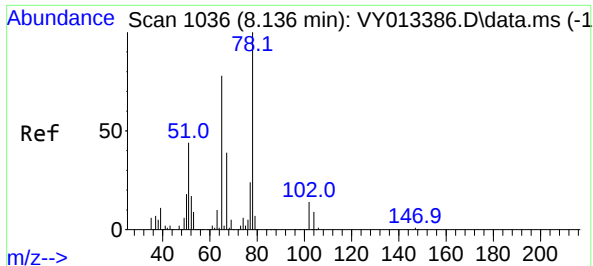


#31
Cyclohexane
Concen: 1.123 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013594.D
Acq: 04 May 2023 12:56

Tgt Ion: 56 Resp: 5626

Ion	Ratio	Lower	Upper
56	100		
69	142.9	29.2	43.8#
84	111.7	73.0	109.6#





#33

1,2-Dichloroethane-d4

Concen: 54.308 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY013594.D

Acq: 04 May 2023 12:56

Instrument :

MSVOA_Y

ClientSampleId :

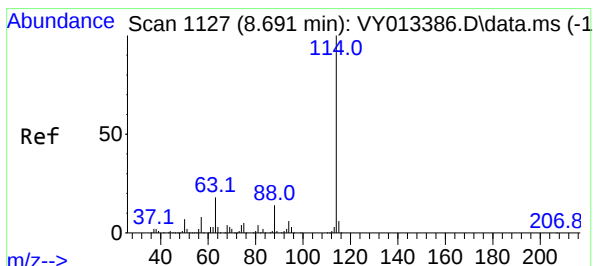
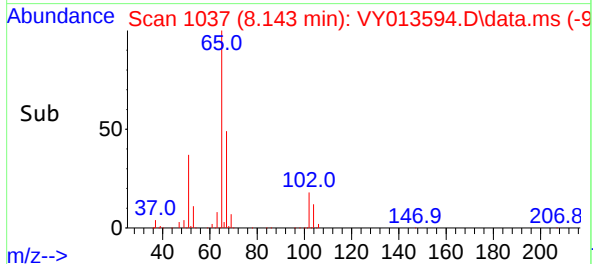
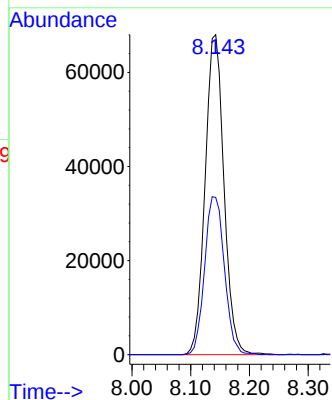
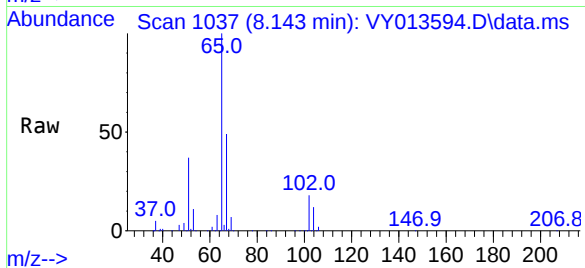
VY0504SBL01

Tgt Ion: 65 Resp: 151906

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013594.D

Acq: 04 May 2023 12:56

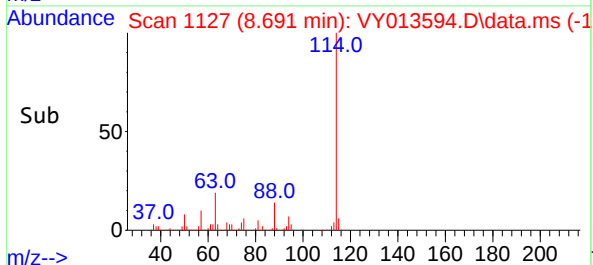
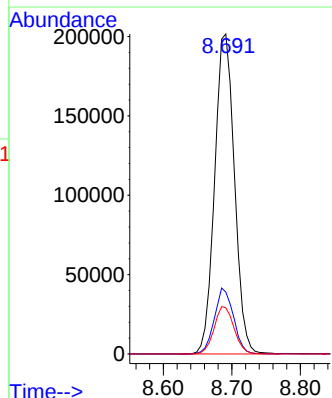
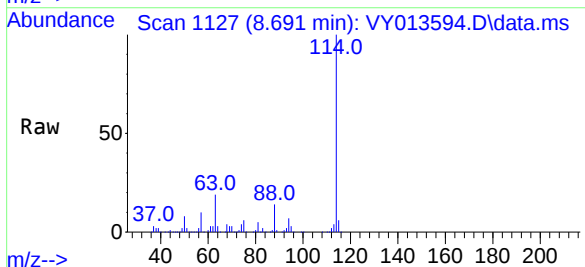
Tgt Ion: 114 Resp: 404185

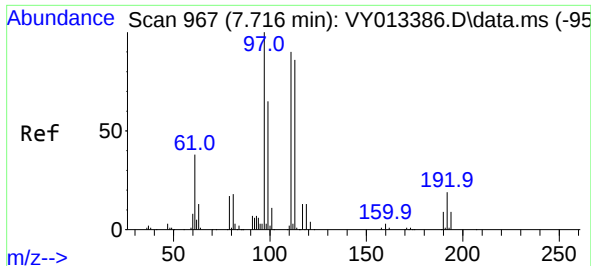
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.6

88 14.5 0.0 28.8

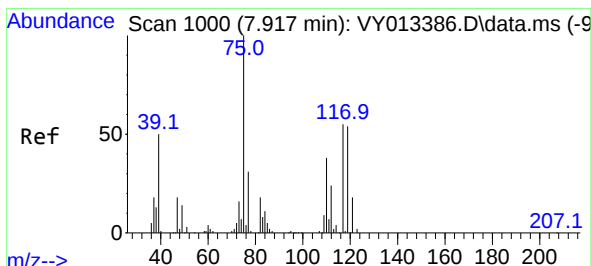
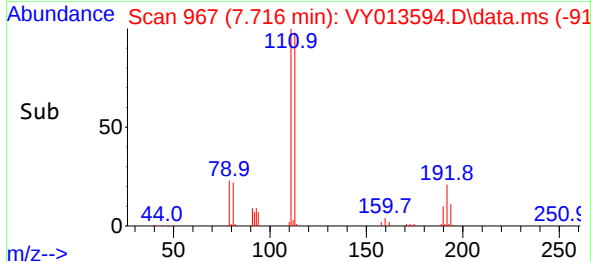
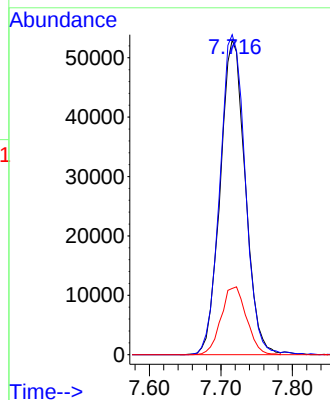
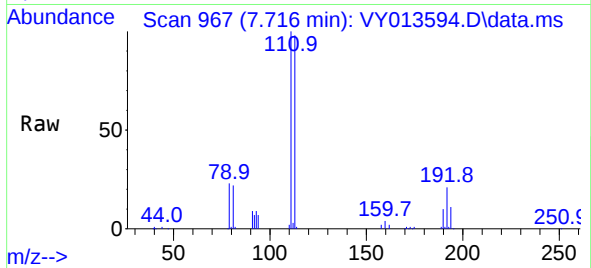




#35
Dibromofluoromethane
Concen: 50.532 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013594.D
Acq: 04 May 2023 12:56

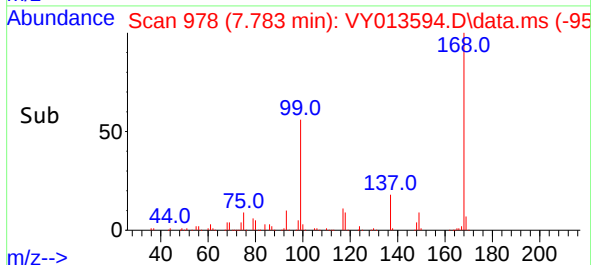
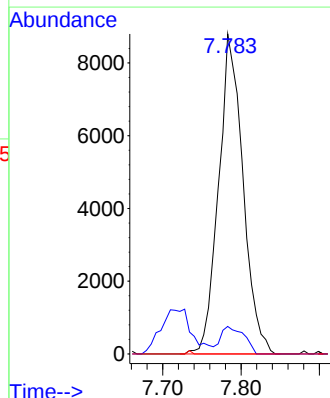
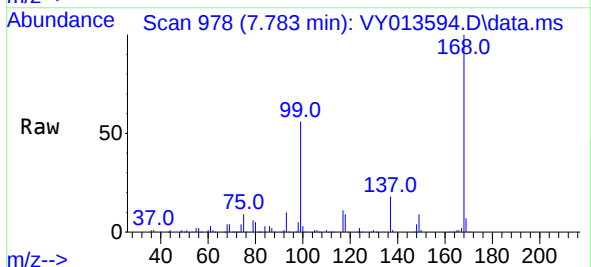
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBL01

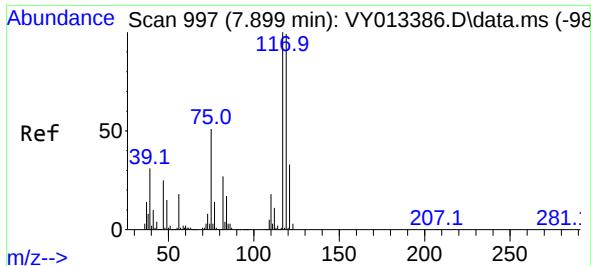
Tgt Ion:113 Resp: 128460
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 21.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.516 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013594.D
Acq: 04 May 2023 12:56

Tgt Ion: 75 Resp: 19055
Ion Ratio Lower Upper
75 100
110 8.1 18.7 56.1#
77 0.0 24.6 37.0#

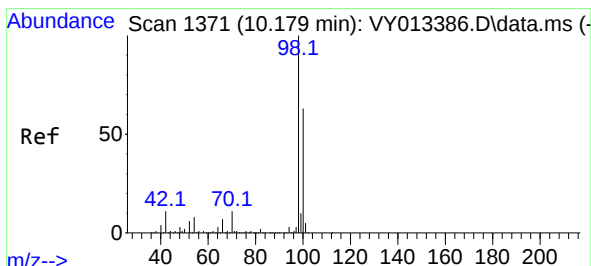
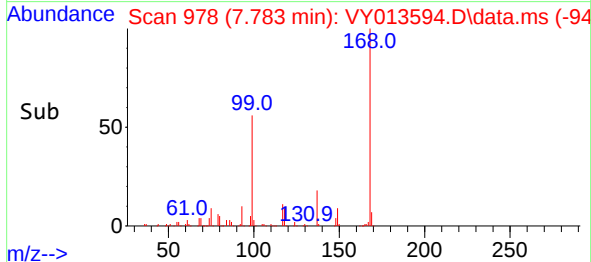
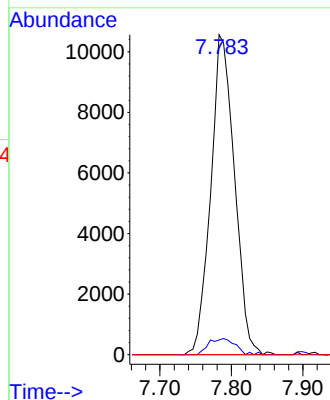
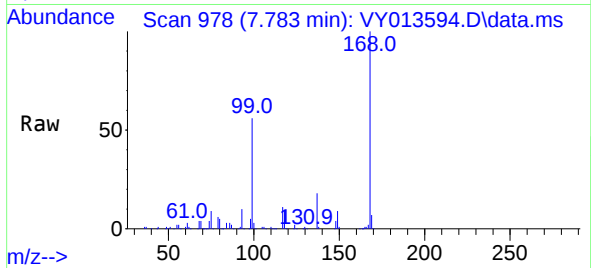




#38
Carbon Tetrachloride
Concen: 5.516 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013594.D
Acq: 04 May 2023 12:56

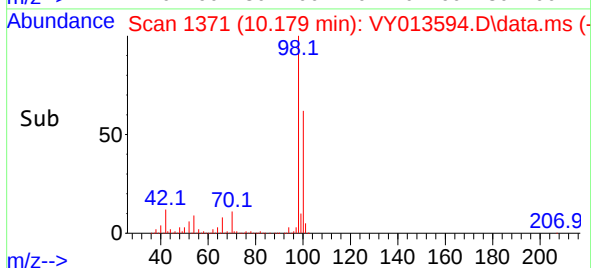
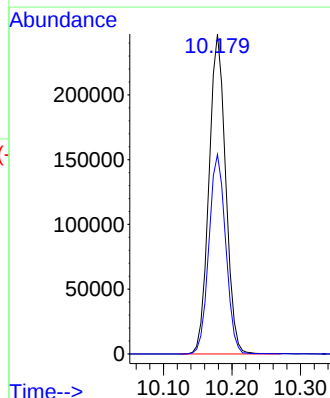
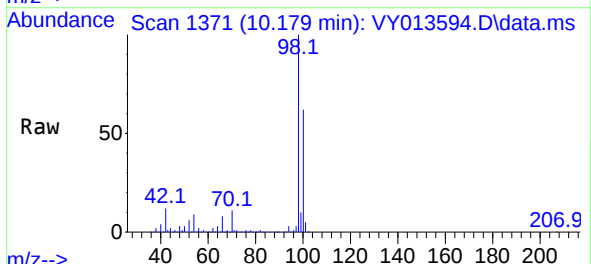
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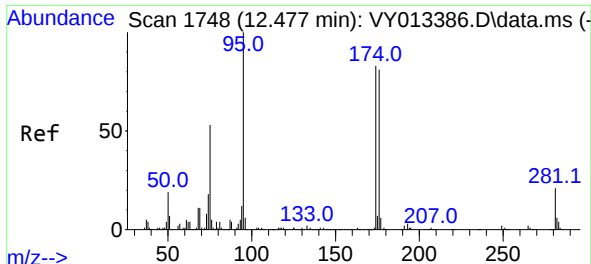
Tgt Ion:117 Resp: 24392
Ion Ratio Lower Upper
117 100
119 4.6 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 46.299 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013594.D
Acq: 04 May 2023 12:56

Tgt Ion: 98 Resp: 418704
Ion Ratio Lower Upper
98 100
100 62.7 50.5 75.7

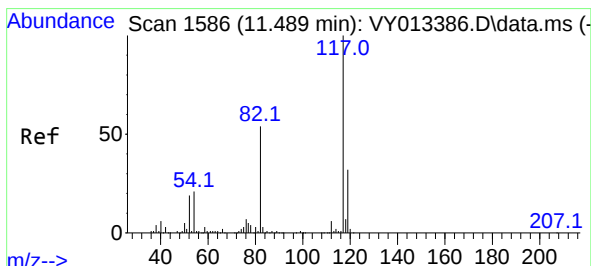
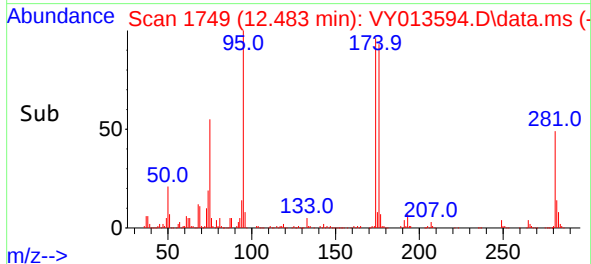
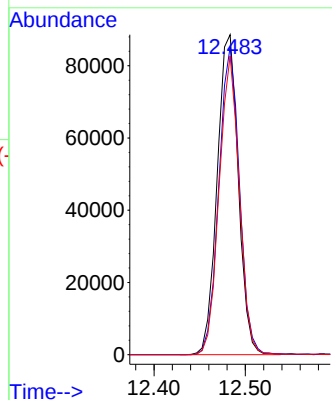
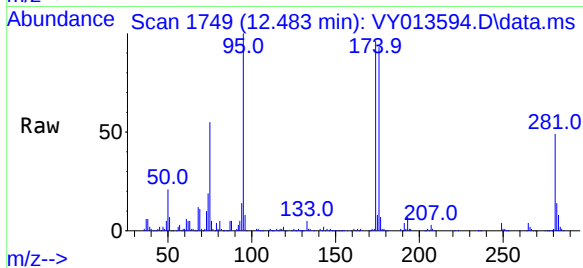




#62
4-Bromofluorobenzene
Concen: 46.610 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013594.D
Acq: 04 May 2023 12:56

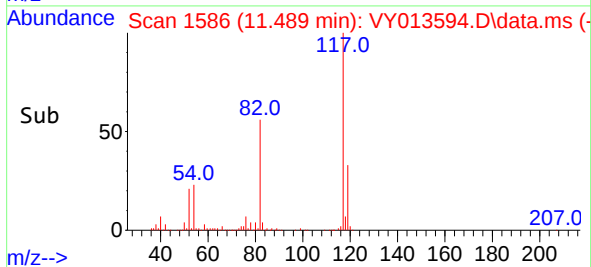
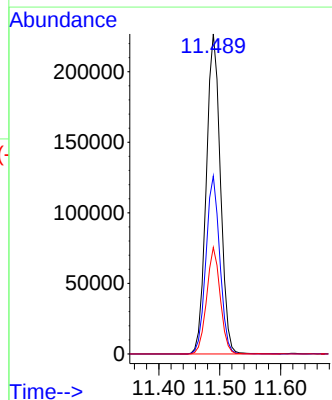
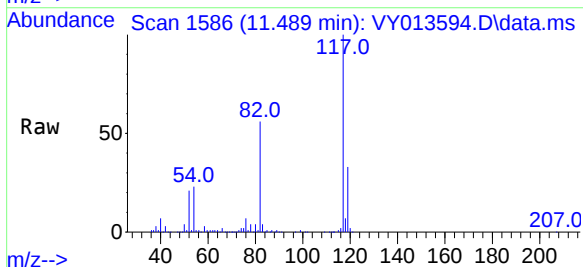
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBL01

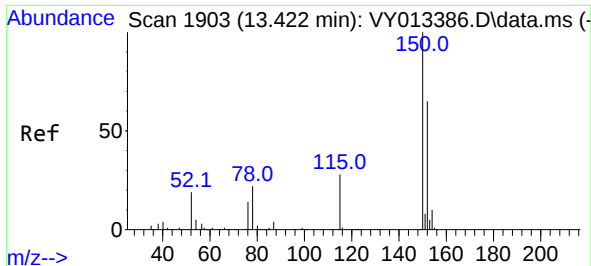
Tgt Ion: 95 Resp: 142103
Ion Ratio Lower Upper
95 100
174 93.8 0.0 182.0
176 89.2 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013594.D
Acq: 04 May 2023 12:56

Tgt Ion: 117 Resp: 365713
Ion Ratio Lower Upper
117 100
82 55.6 43.0 64.6
119 33.3 25.5 38.3

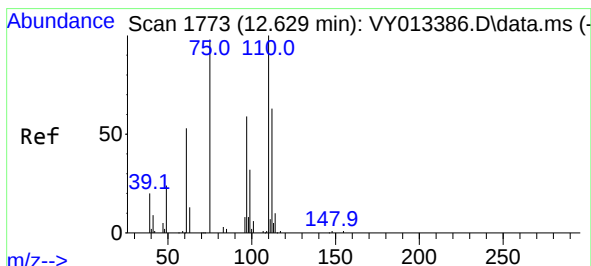
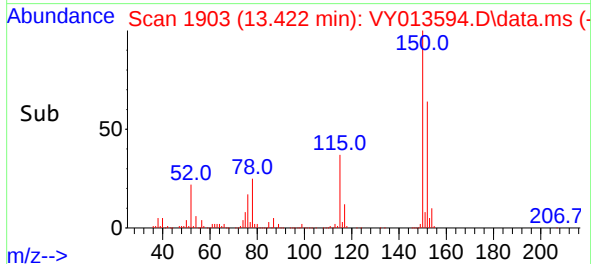
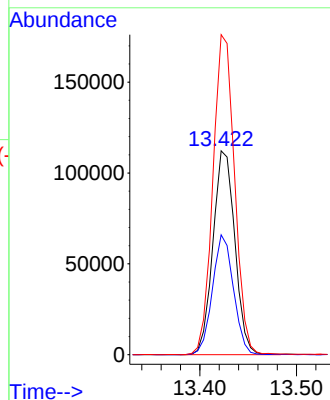
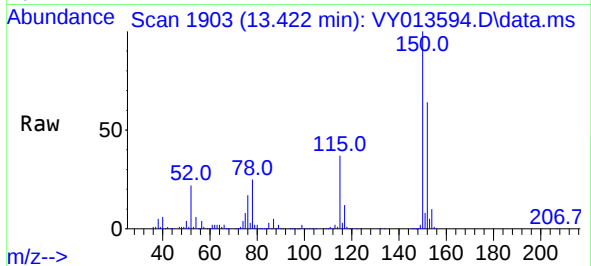




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013594.D
Acq: 04 May 2023 12:56

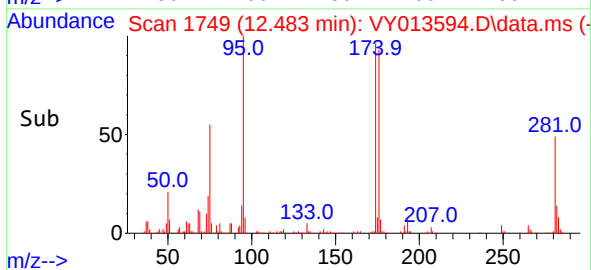
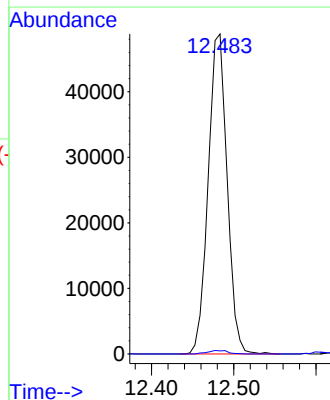
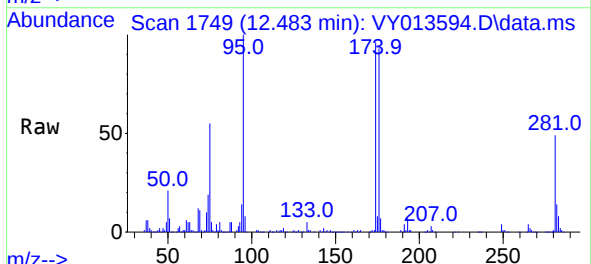
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBL01

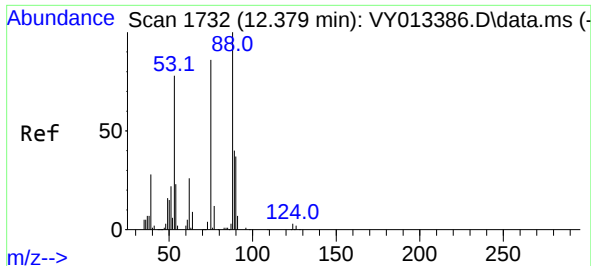
Tgt Ion:152 Resp: 176412
Ion Ratio Lower Upper
152 100
115 56.5 28.1 84.2
150 156.0 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 32.849 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013594.D
Acq: 04 May 2023 12:56

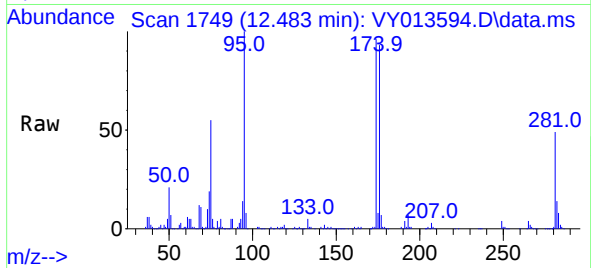
Tgt Ion: 75 Resp: 78151
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.194 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013594.D
 Acq: 04 May 2023 12:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBL01



Tgt Ion: 75 Resp: 78151
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.2 109.8#
 89 0.2 38.0 57.0#

