

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050223\
 Data File : VY013546.D
 Acq On : 02 May 2023 11:06
 Operator : KP/MD
 Sample : VY0502SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0502SBL01

Quant Time: May 03 01:31:45 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)

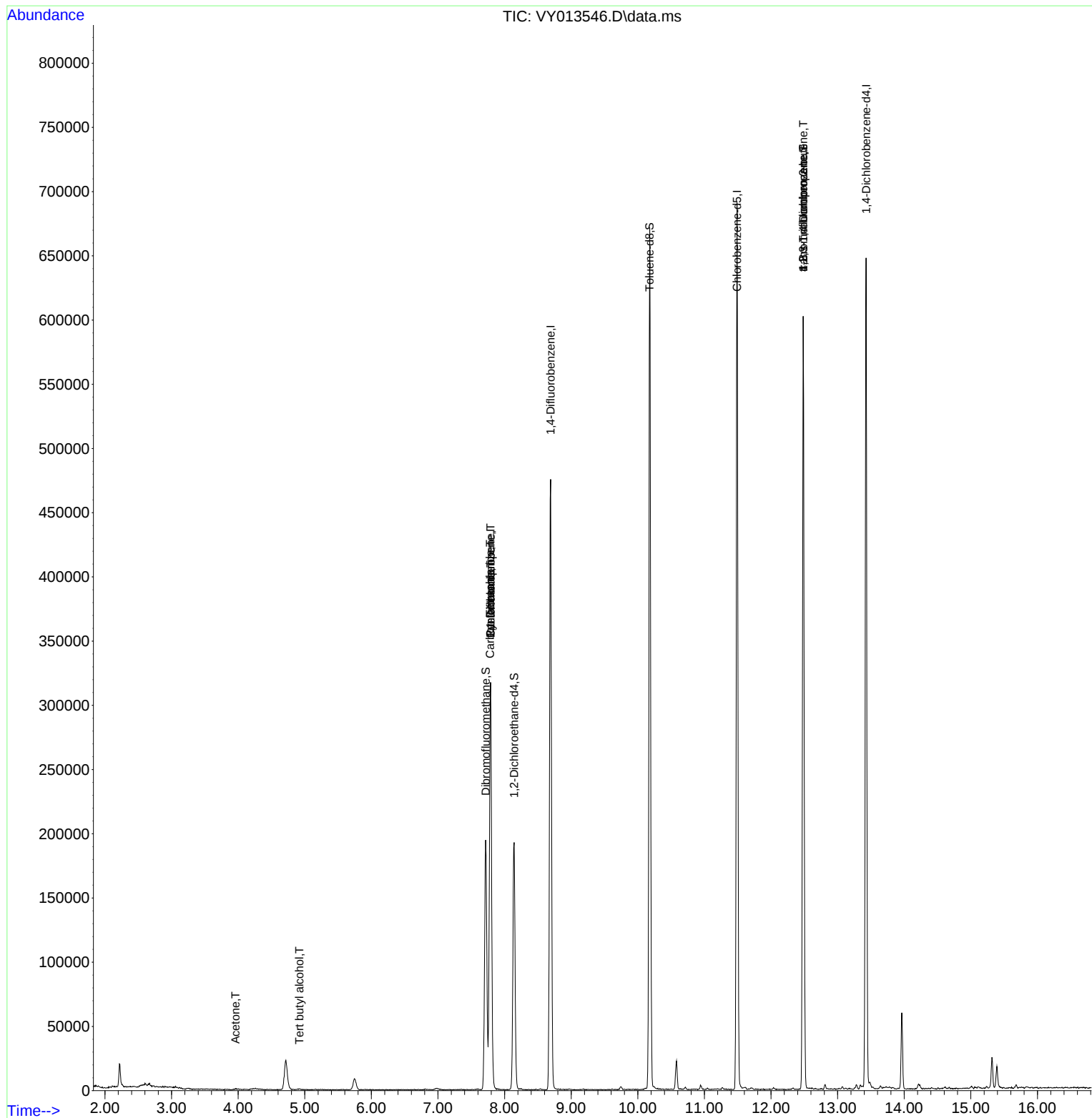
Internal Standards						
1) Pentafluorobenzene	7.789	168	251948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	401864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	361452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	169855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	159246	57.658	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.320%
35) Dibromofluoromethane	7.716	113	132855	52.563	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.120%
50) Toluene-d8	10.179	98	430978	47.932	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.860%
62) 4-Bromofluorobenzene	12.483	95	144474	47.661	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.320%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	119	1.031	ug/l #	89
13) Acrolein	3.735	56	27	Below Cal		92
16) Acetone	3.960	43	1802	1.657	ug/l #	86
20) Methylene Chloride	4.716	84	17020	Below Cal	#	84
31) Cyclohexane	7.789	56	5540	1.120	ug/l #	26
36) 1,1-Dichloropropene	7.789	75	19204	4.578	ug/l #	48
38) Carbon Tetrachloride	7.783	117	24400	5.550	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	78066	34.080	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	78066	69.712	ug/l #	13

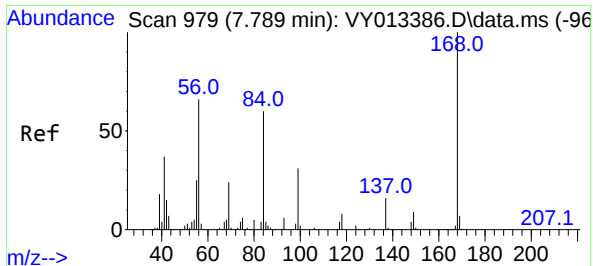
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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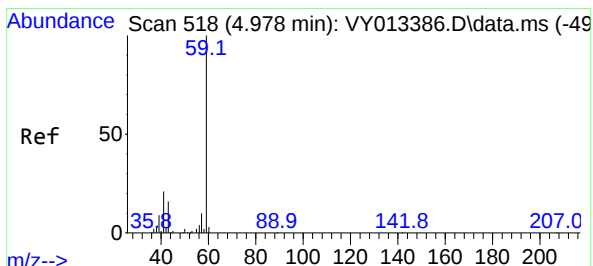
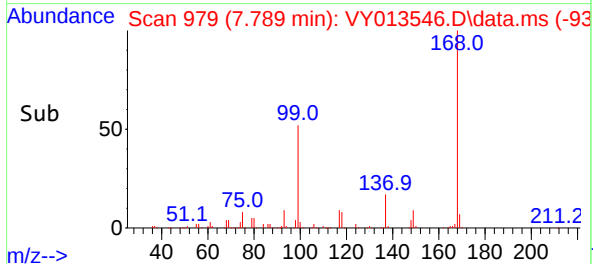
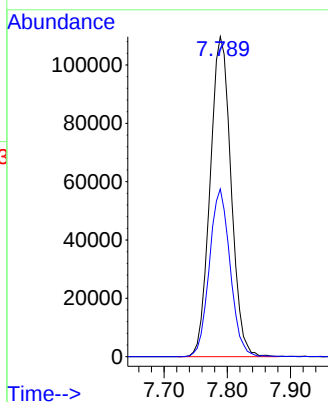
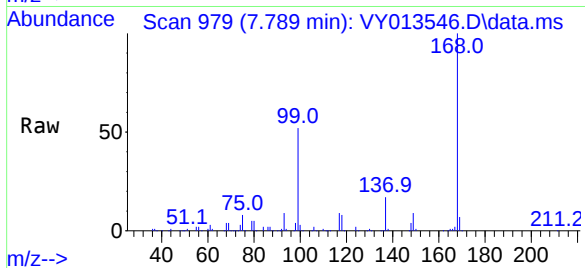




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013546.D
Acq: 02 May 2023 11:06

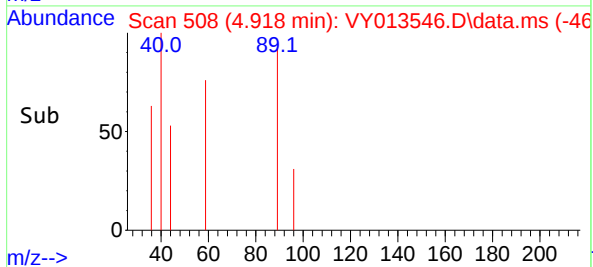
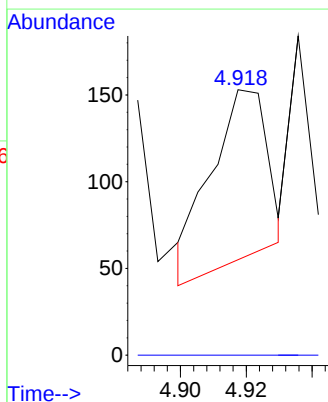
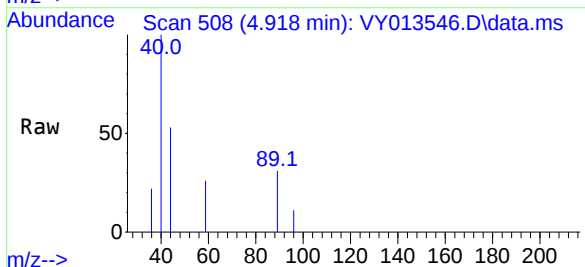
Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

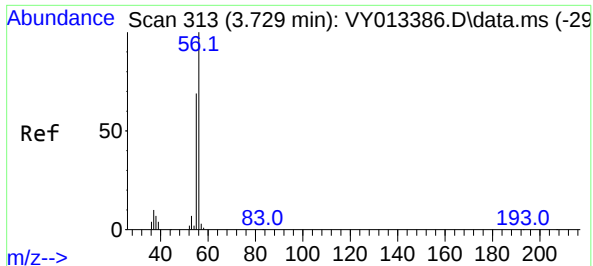
Tgt Ion:168 Resp: 251948
Ion Ratio Lower Upper
168 100
99 52.4 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.031 ug/l
RT: 4.918 min Scan# 508
Delta R.T. -0.060 min
Lab File: VY013546.D
Acq: 02 May 2023 11:06

Tgt Ion: 59 Resp: 119
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

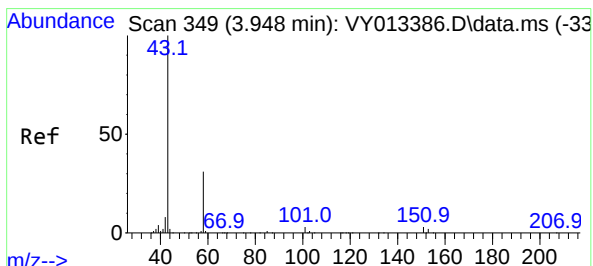
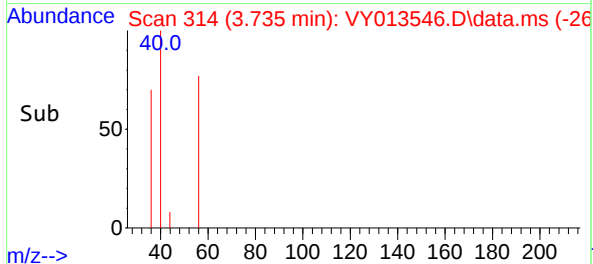
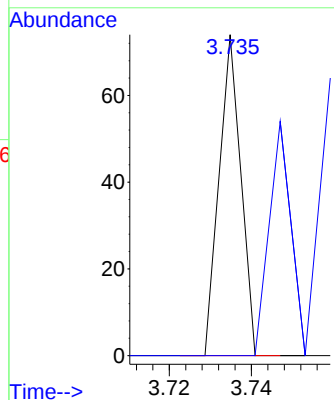
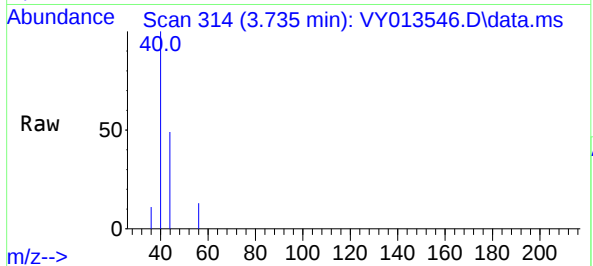




#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY013546.D
Acq: 02 May 2023 11:06

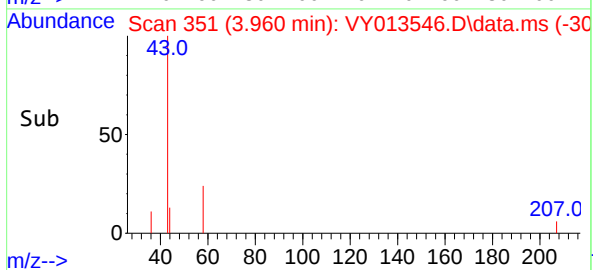
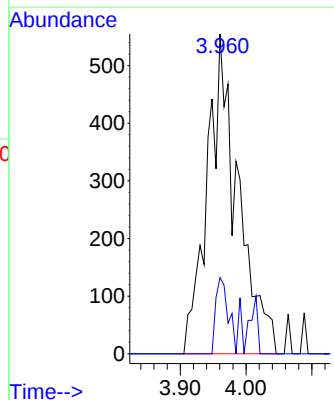
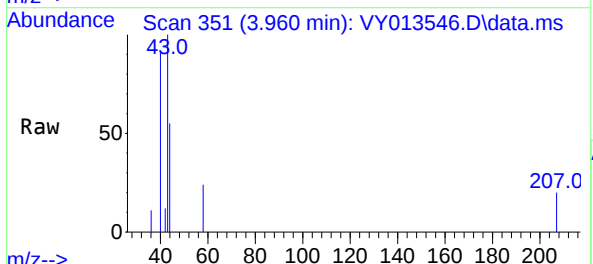
Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

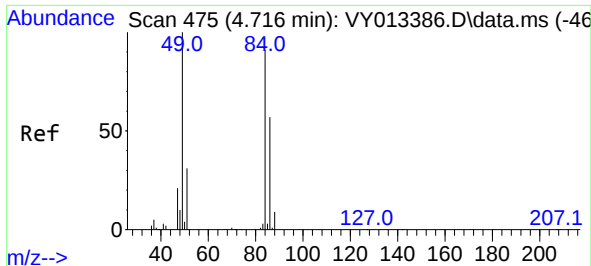
Tgt Ion: 56 Resp: 27
Ion Ratio Lower Upper
56 100
55 74.1 54.1 81.1



#16
Acetone
Concen: 1.657 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY013546.D
Acq: 02 May 2023 11:06

Tgt Ion: 43 Resp: 1802
Ion Ratio Lower Upper
43 100
58 23.8 25.4 38.0#

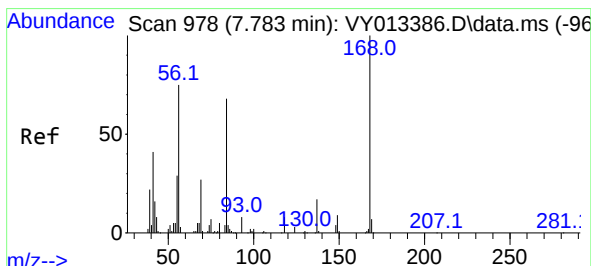
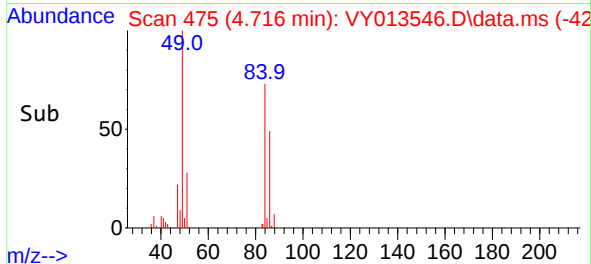
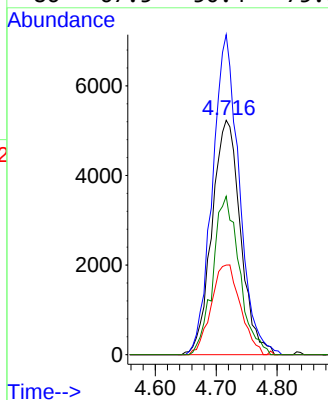
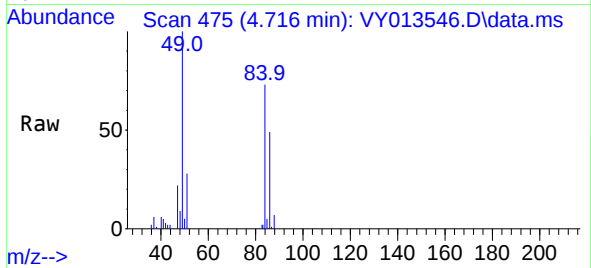




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013546.D
Acq: 02 May 2023 11:06

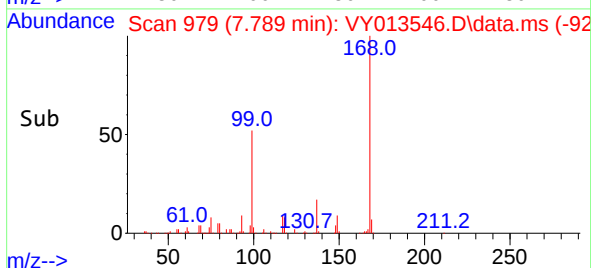
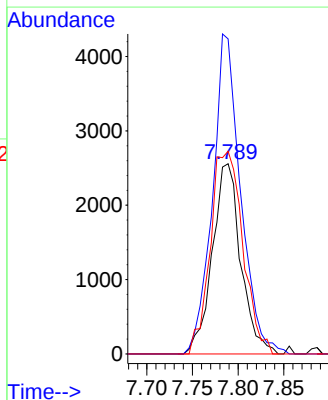
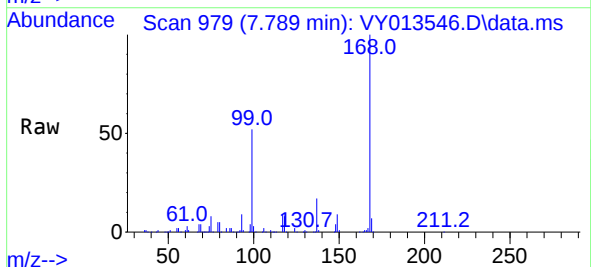
Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

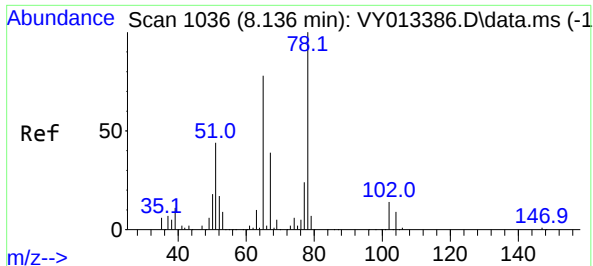
Tgt Ion: 84 Resp: 17020
Ion Ratio Lower Upper
84 100
49 136.5 88.0 132.0#
51 38.2 27.4 41.0
86 67.5 50.4 75.6



#31
Cyclohexane
Concen: 1.120 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013546.D
Acq: 02 May 2023 11:06

Tgt Ion: 56 Resp: 5540
Ion Ratio Lower Upper
56 100
69 165.6 29.2 43.8#
84 106.5 73.0 109.6

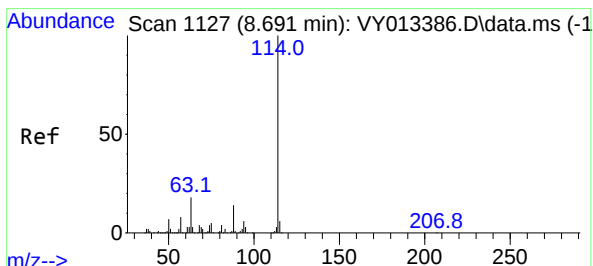
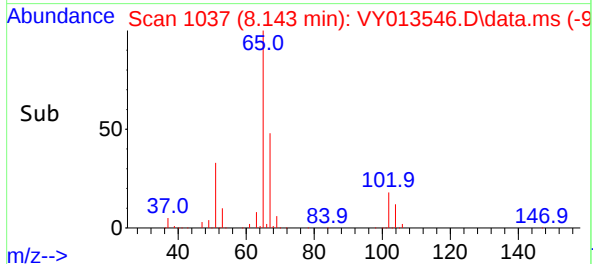
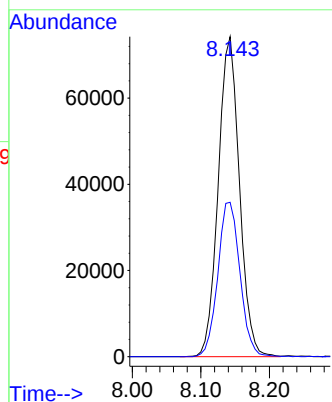
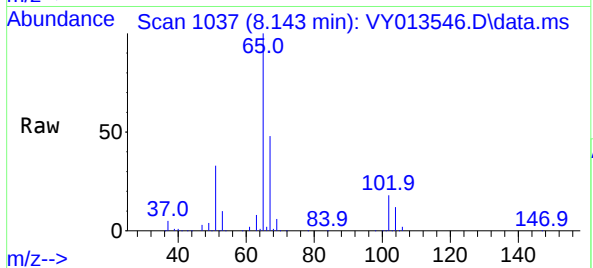




#33
1,2-Dichloroethane-d4
Concen: 57.658 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013546.D
Acq: 02 May 2023 11:06

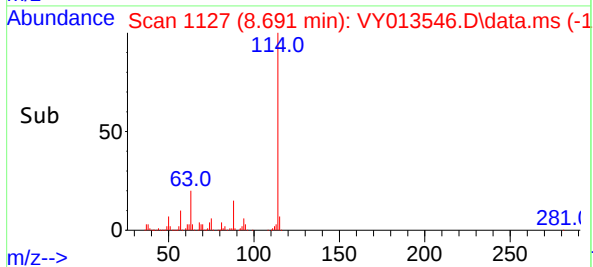
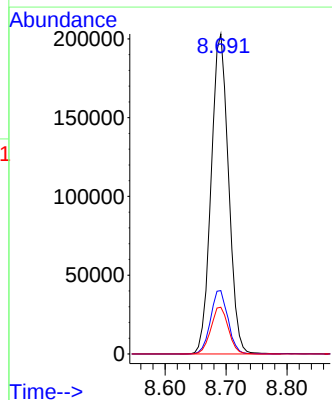
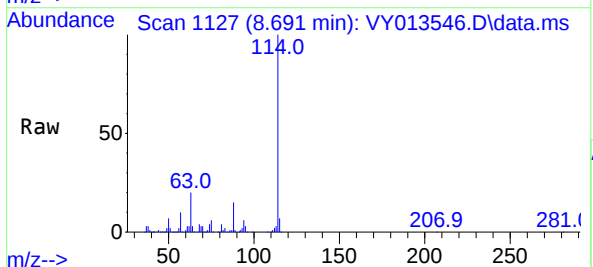
Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

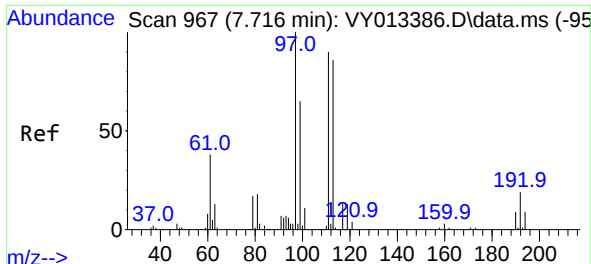
Tgt Ion: 65 Resp: 159246
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013546.D
Acq: 02 May 2023 11:06

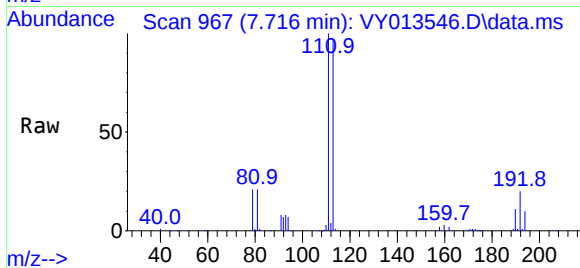
Tgt Ion:114 Resp: 401864
Ion Ratio Lower Upper
114 100
63 19.8 0.0 36.6
88 14.6 0.0 28.8



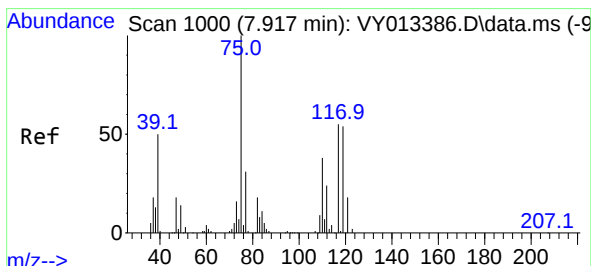
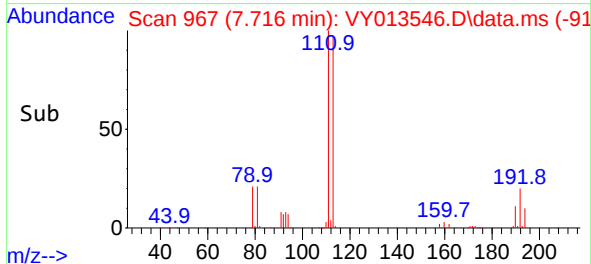
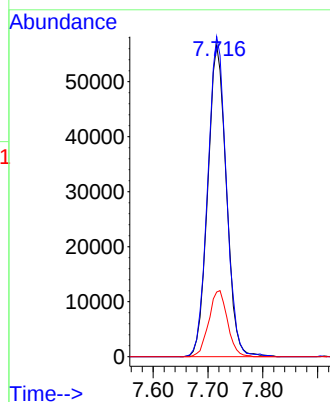


#35
Dibromofluoromethane
Concen: 52.563 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013546.D
Acq: 02 May 2023 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

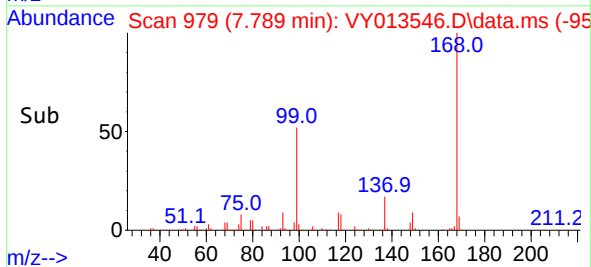
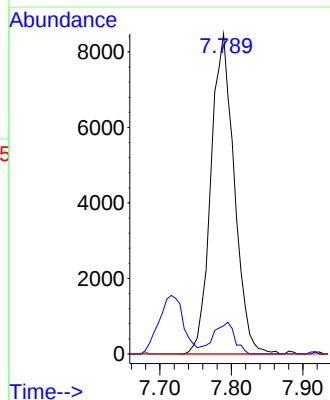
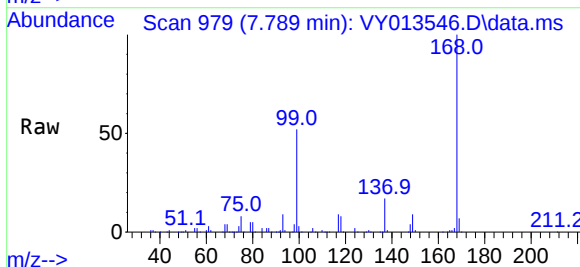


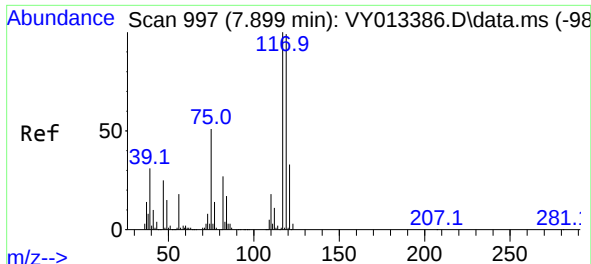
Tgt Ion:113 Resp: 132855
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 21.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.578 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013546.D
Acq: 02 May 2023 11:06

Tgt Ion: 75 Resp: 19204
Ion Ratio Lower Upper
75 100
110 8.9 18.7 56.1#
77 0.0 24.6 37.0#

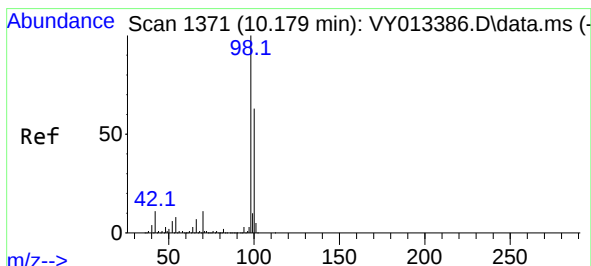
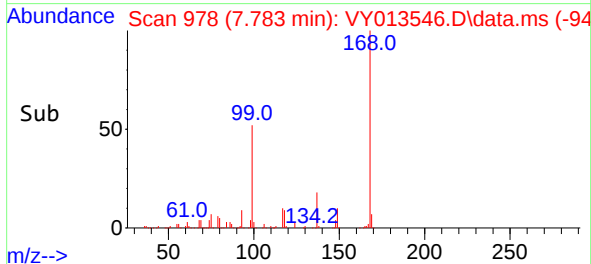
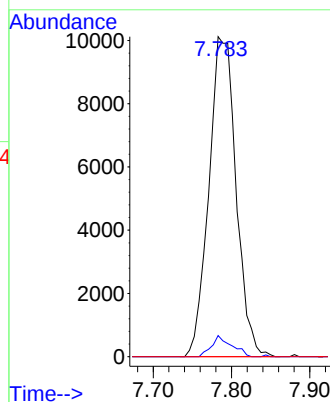
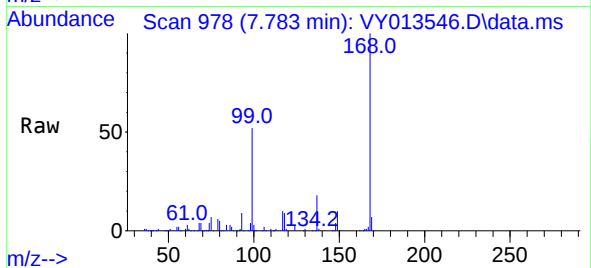




#38
Carbon Tetrachloride
Concen: 5.550 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013546.D
Acq: 02 May 2023 11:06

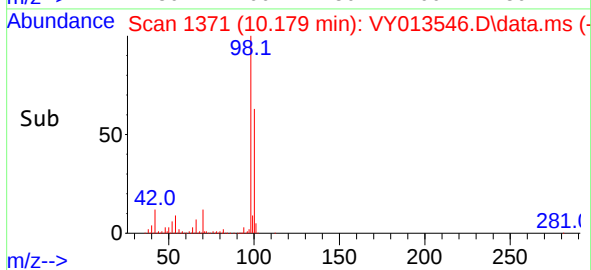
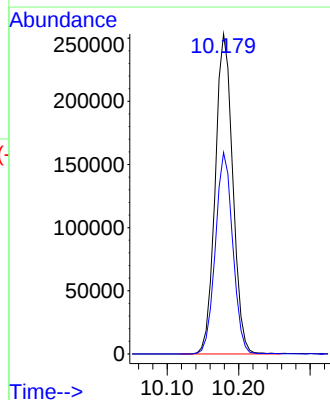
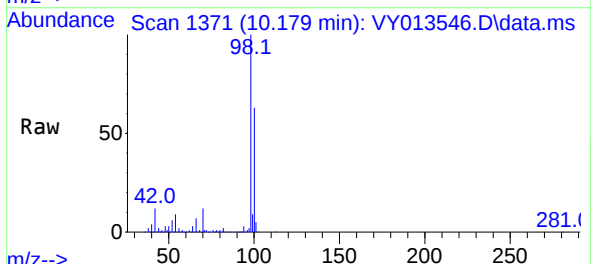
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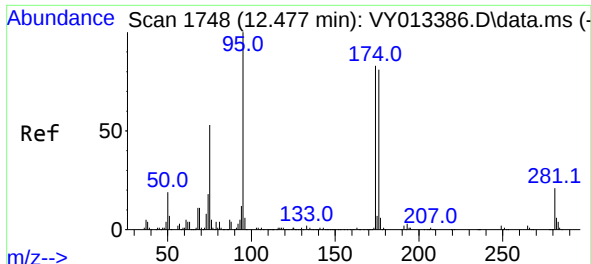
Tgt Ion:117 Resp: 24400
Ion Ratio Lower Upper
117 100
119 6.6 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 47.932 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013546.D
Acq: 02 May 2023 11:06

Tgt Ion: 98 Resp: 430978
Ion Ratio Lower Upper
98 100
100 62.3 50.5 75.7

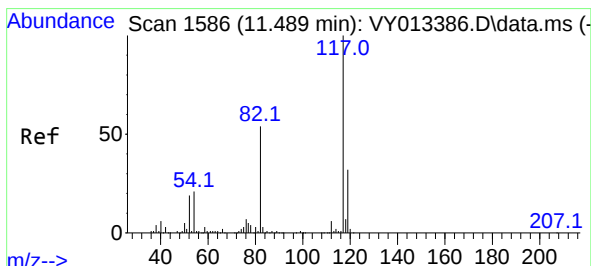
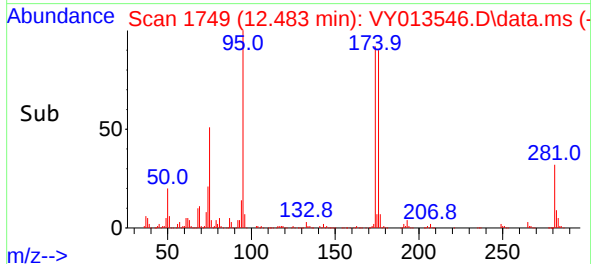
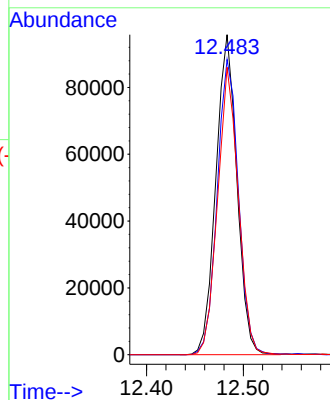
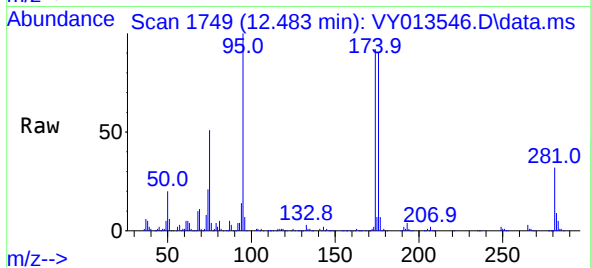




#62
4-Bromofluorobenzene
Concen: 47.661 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013546.D
Acq: 02 May 2023 11:06

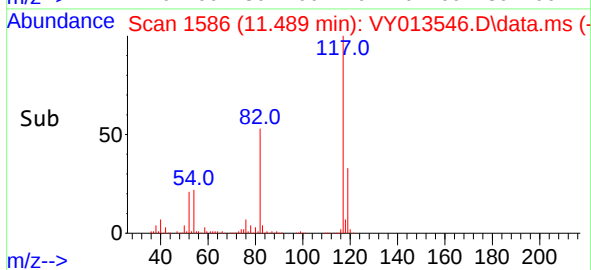
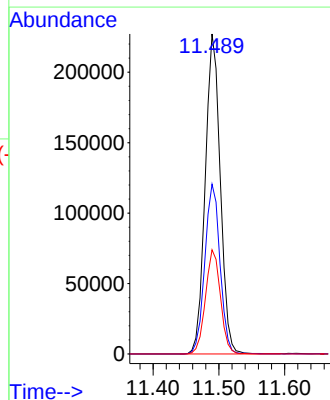
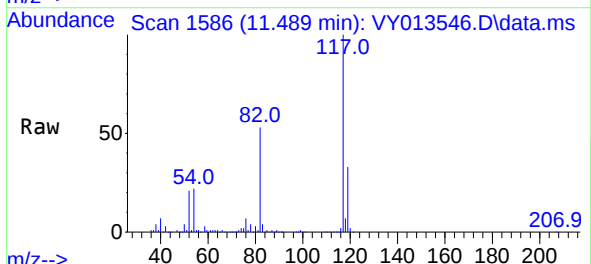
Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

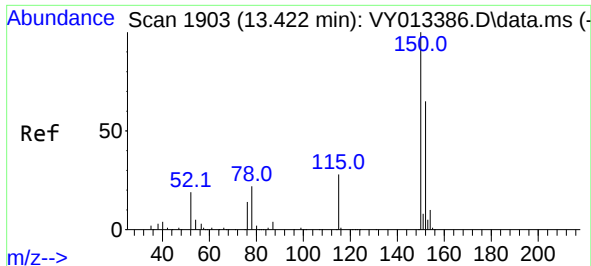
Tgt Ion: 95 Resp: 144474
Ion Ratio Lower Upper
95 100
174 93.3 0.0 182.0
176 88.5 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013546.D
Acq: 02 May 2023 11:06

Tgt Ion: 117 Resp: 361452
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.6
119 32.5 25.5 38.3

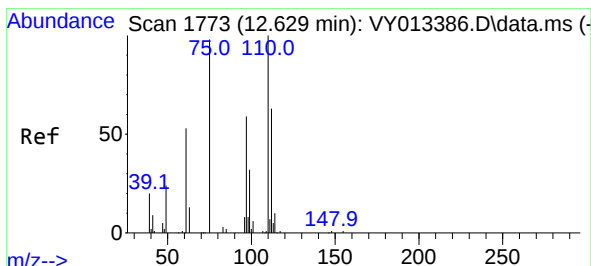
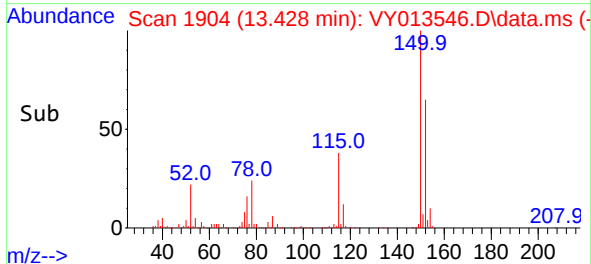
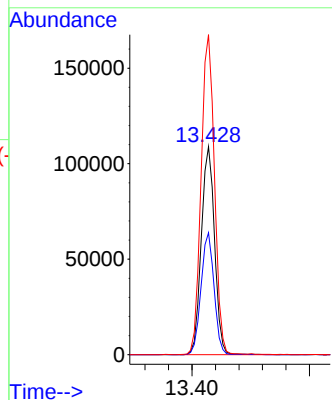
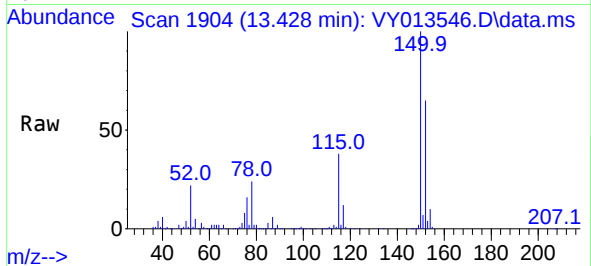




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY013546.D
 Acq: 02 May 2023 11:06

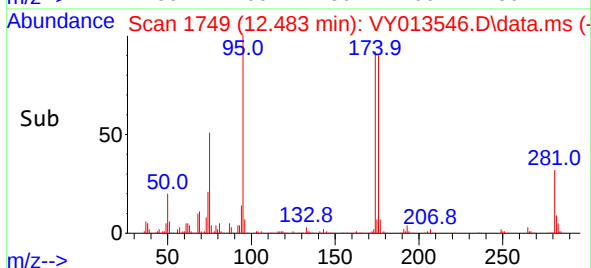
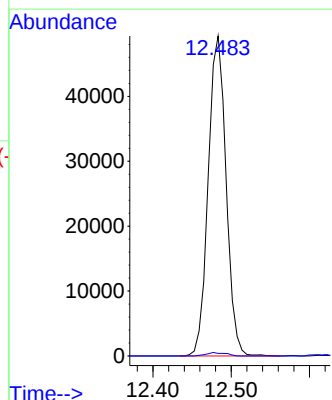
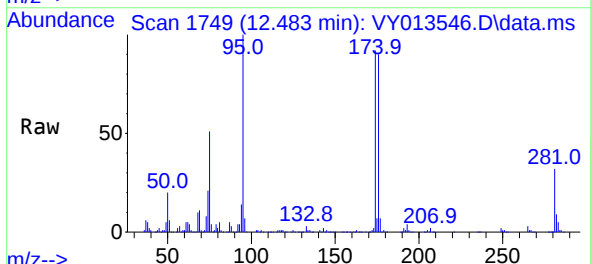
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0502SBL01

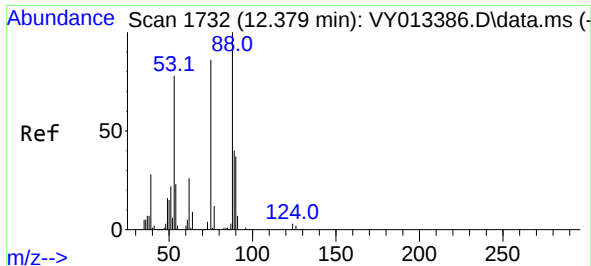
Tgt Ion:152 Resp: 169855
 Ion Ratio Lower Upper
 152 100
 115 57.6 28.1 84.2
 150 155.6 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 34.080 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY013546.D
 Acq: 02 May 2023 11:06

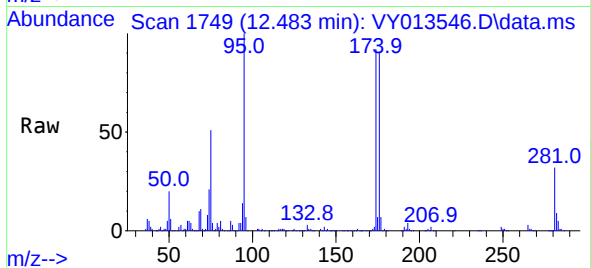
Tgt Ion: 75 Resp: 78066
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 69.712 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013546.D
Acq: 02 May 2023 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	73.2	109.8#
89	0.6	38.0	57.0#

