

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013481.D
 Acq On : 26 Apr 2023 18:13
 Operator : KP/MD
 Sample : 02491-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S2S-TP3

Quant Time: Apr 27 01:36:19 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)

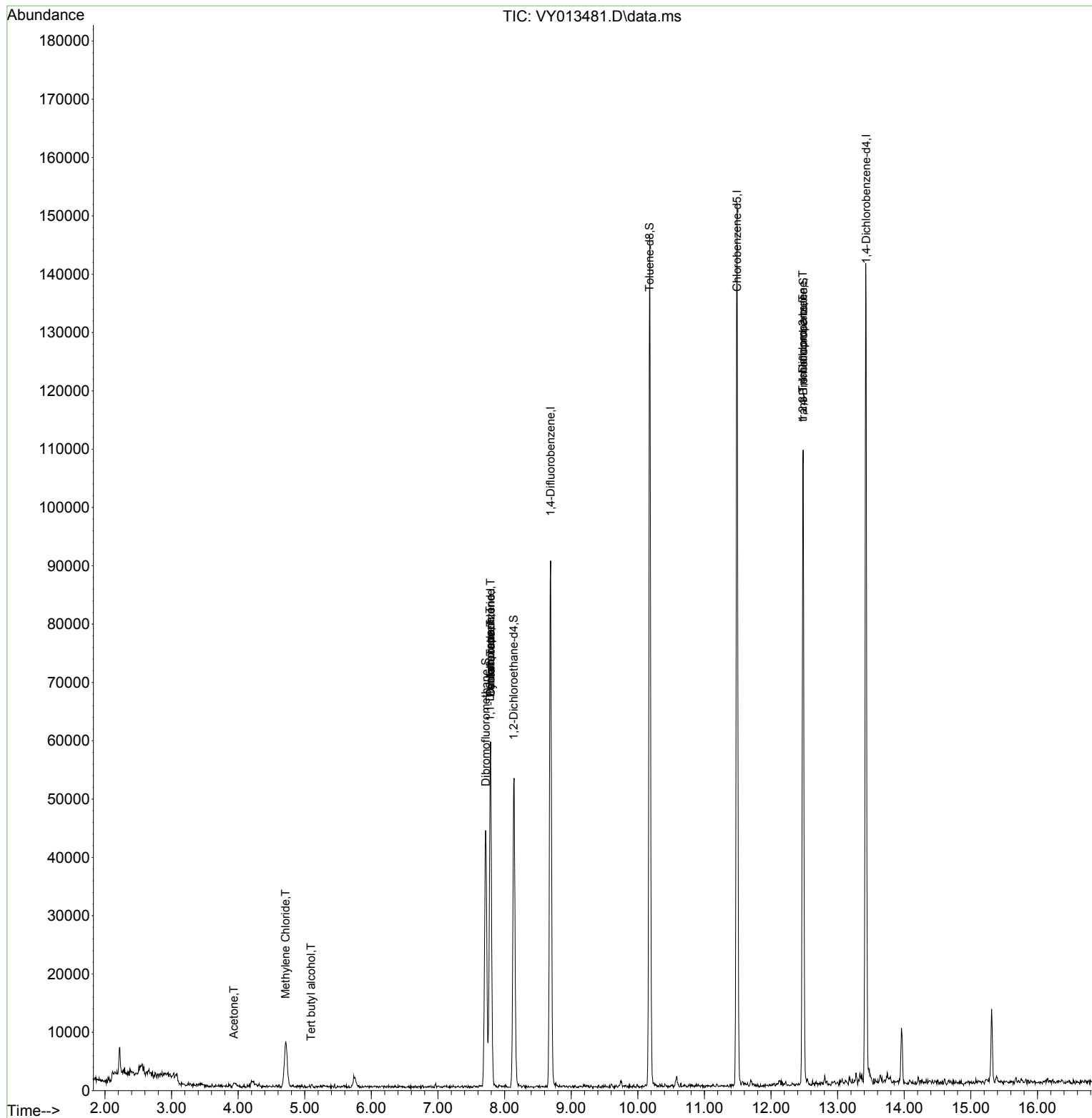
Internal Standards						
1) Pentafluorobenzene	7.789	168	41789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	71646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	75571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	33075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	40213	87.782	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 175.560%#		
35) Dibromofluoromethane	7.716	113	30343	67.336	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 134.680%		
50) Toluene-d8	10.179	98	90915	56.714	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 113.420%		
62) 4-Bromofluorobenzene	12.483	95	30859	57.101	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 114.200%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.094	59	22	1.075	ug/l #	89
13) Acrolein	3.729	56	19	Below Cal	#	16
16) Acetone	3.936	43	343	1.901	ug/l	100
20) Methylene Chloride	4.710	84	5121	1.159	ug/l #	84
31) Cyclohexane	7.789	56	1296	1.580	ug/l #	48
36) 1,1-Dichloropropene	7.783	75	3800	5.081	ug/l #	46
38) Carbon Tetrachloride	7.789	117	4438	5.662	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	16741	37.531	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	16741	76.772	ug/l #	13

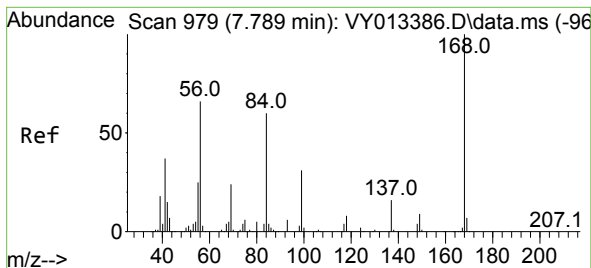
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY013481.D

Acq: 26 Apr 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

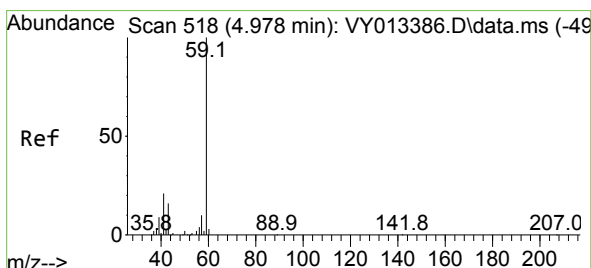
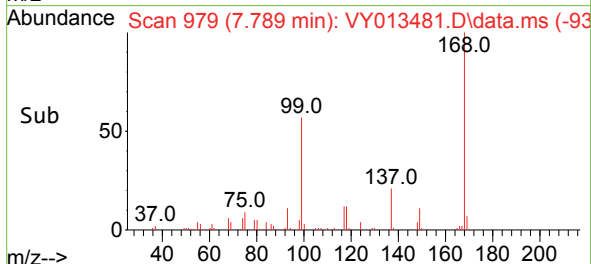
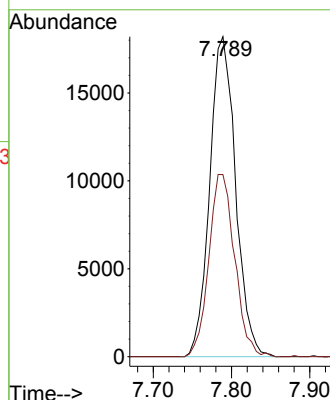
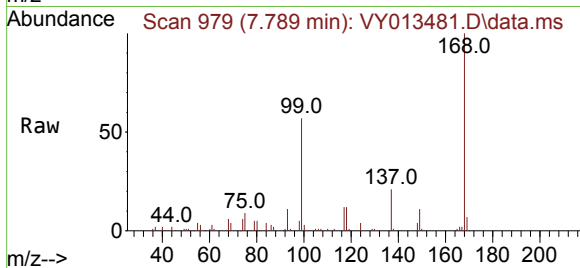
S2S-TP3

Tgt Ion:168 Resp: 41789

Ion Ratio Lower Upper

168 100

99 56.9 41.8 62.6



#11

Tert butyl alcohol

Concen: 1.075 ug/l

RT: 5.094 min Scan# 537

Delta R.T. 0.116 min

Lab File: VY013481.D

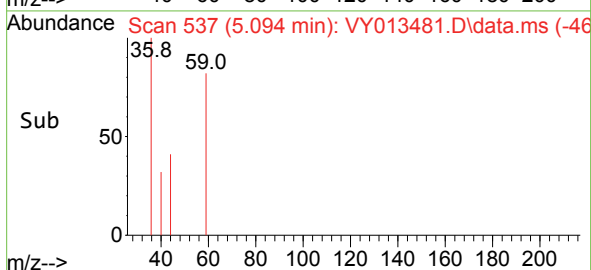
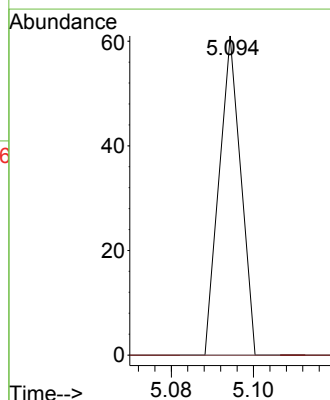
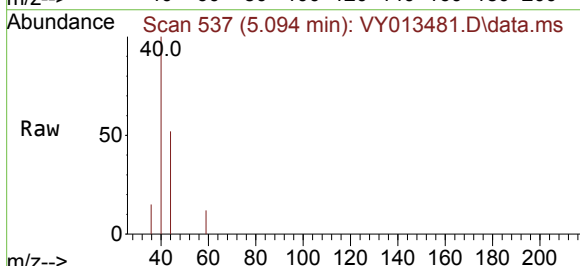
Acq: 26 Apr 2023 18:13

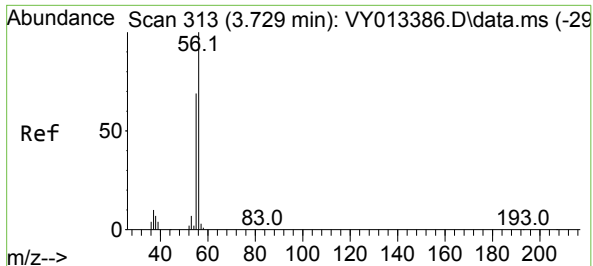
Tgt Ion: 59 Resp: 22

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#

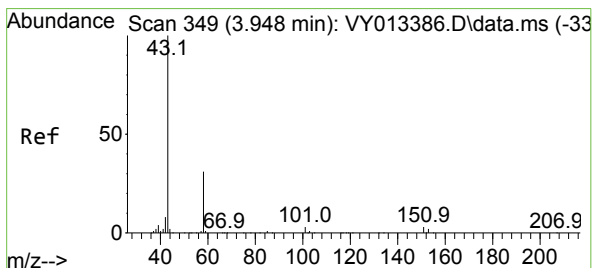
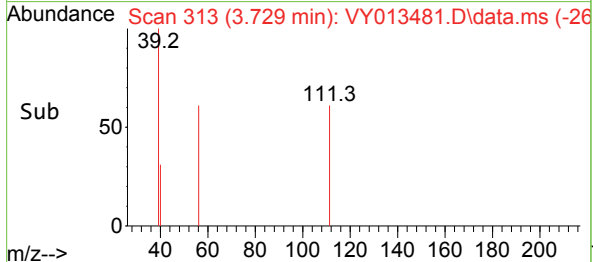
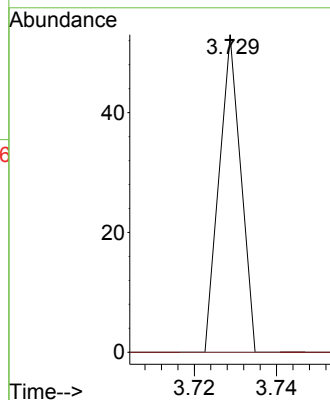
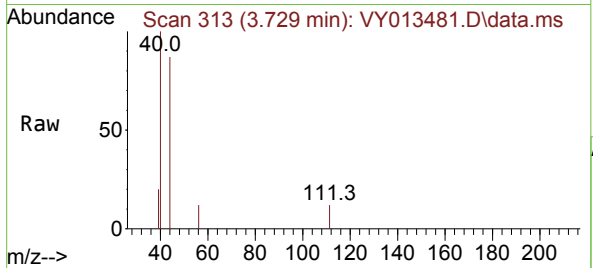




#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY013481.D
Acq: 26 Apr 2023 18:13

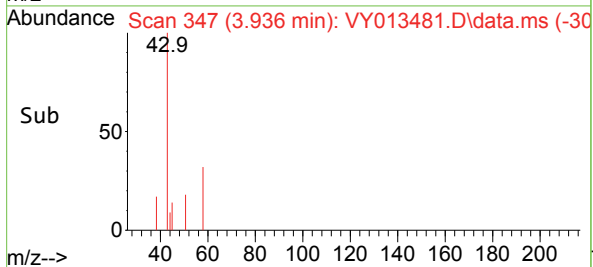
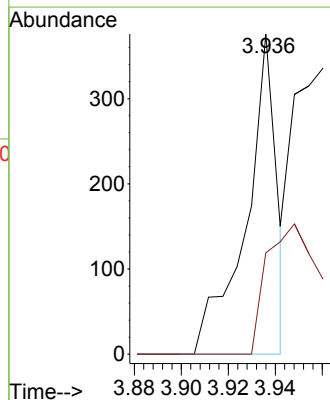
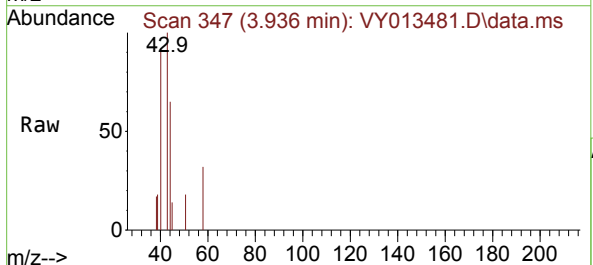
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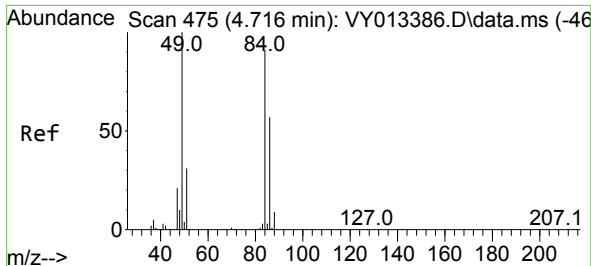
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 1.901 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY013481.D
Acq: 26 Apr 2023 18:13

Tgt Ion: 43 Resp: 343
Ion Ratio Lower Upper
43 100
58 31.6 25.4 38.0

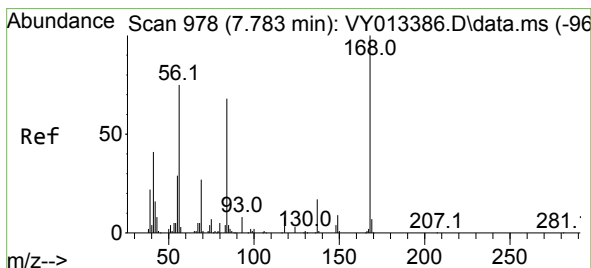
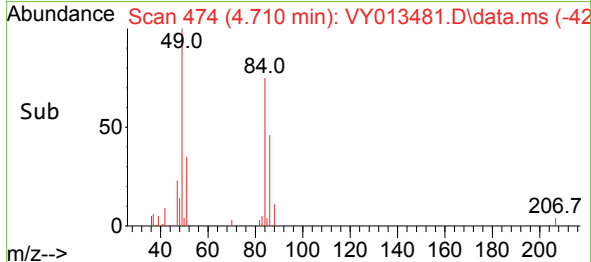
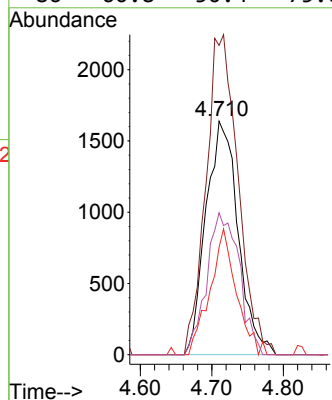
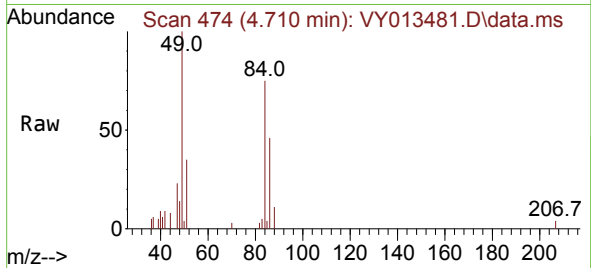




#20
Methylene Chloride
Concen: 1.159 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013481.D
Acq: 26 Apr 2023 18:13

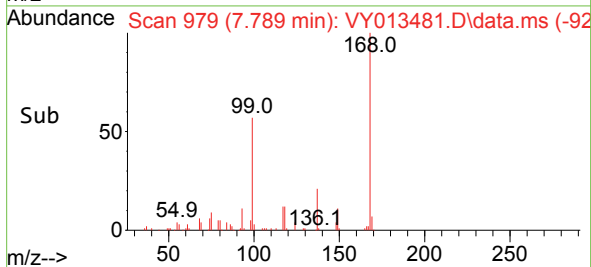
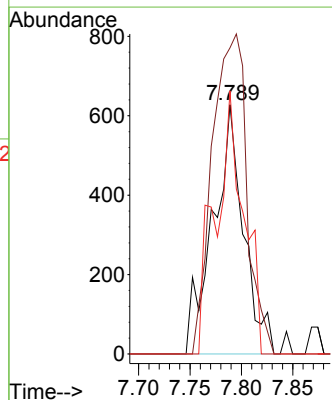
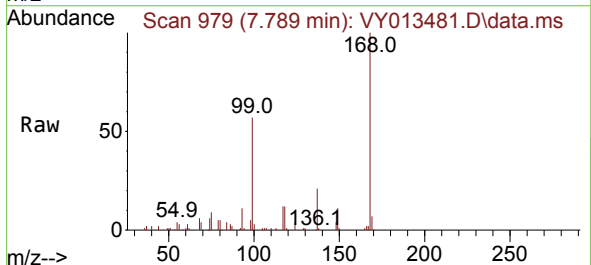
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP3

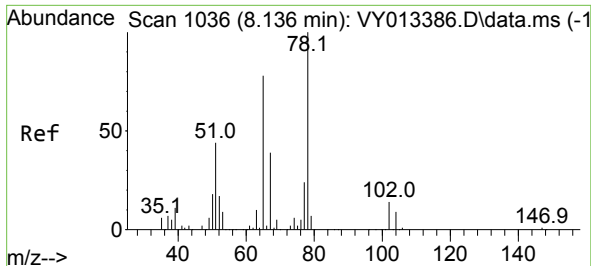
Tgt Ion:	84	Resp:	5121
Ion	Ratio	Lower	Upper
84	100		
49	132.5	88.0	132.0#
51	46.0	27.4	41.0#
86	60.8	50.4	75.6



#31
Cyclohexane
Concen: 1.580 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013481.D
Acq: 26 Apr 2023 18:13

Tgt Ion:	56	Resp:	1296
Ion	Ratio	Lower	Upper
56	100		
69	122.8	29.2	43.8#
84	105.6	73.0	109.6

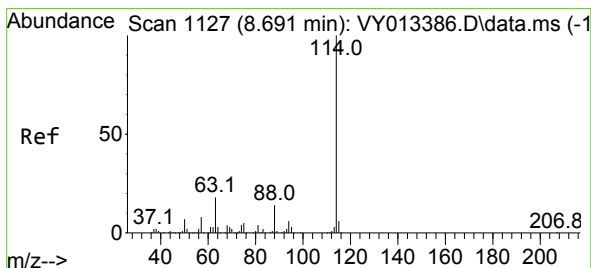
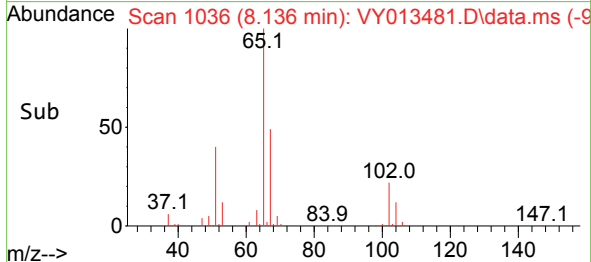
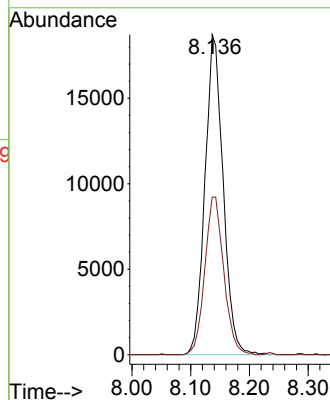
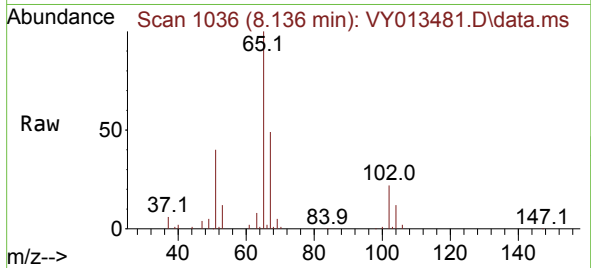




#33
 1,2-Dichloroethane-d4
 Concen: 87.782 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY013481.D
 Acq: 26 Apr 2023 18:13

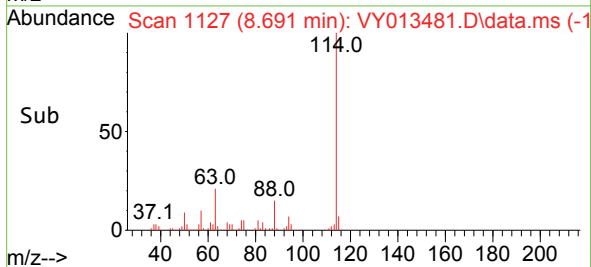
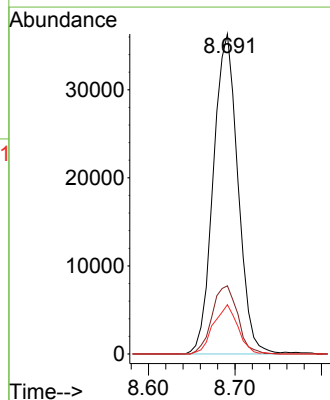
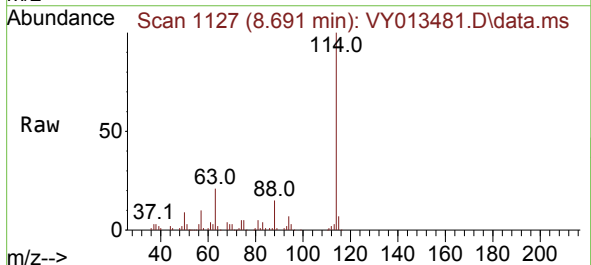
Instrument :
 MSVOA_Y
 ClientSampleId :
 S2S-TP3

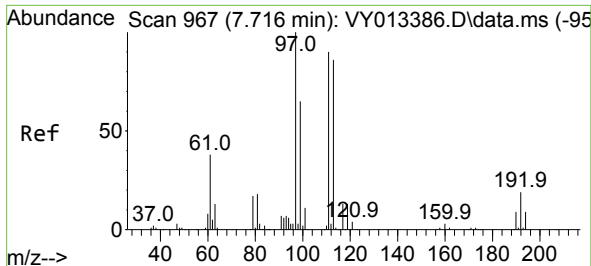
Tgt Ion: 65 Resp: 40213
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY013481.D
 Acq: 26 Apr 2023 18:13

Tgt Ion: 114 Resp: 71646
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 36.6
 88 15.4 0.0 28.8

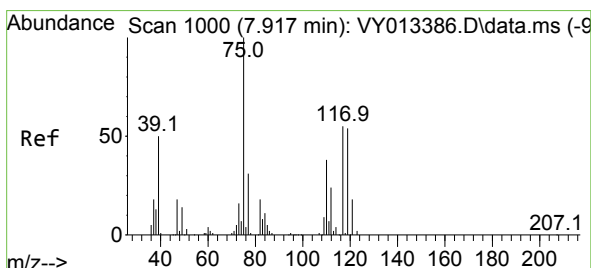
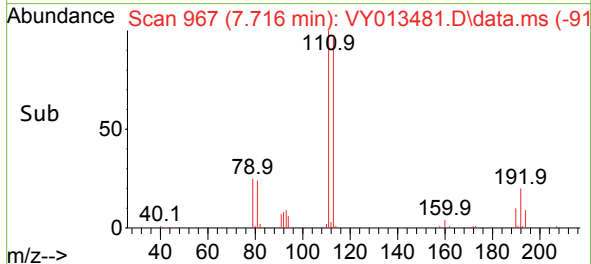
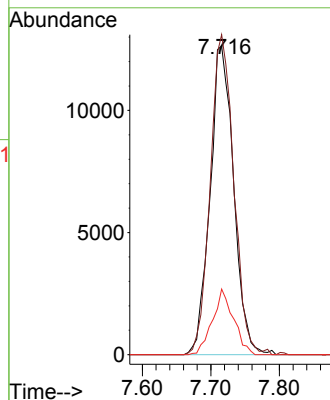
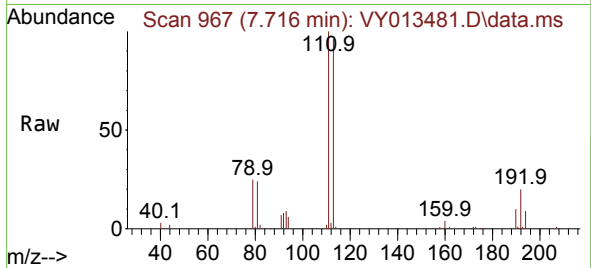




#35
Dibromofluoromethane
Concen: 67.336 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013481.D
Acq: 26 Apr 2023 18:13

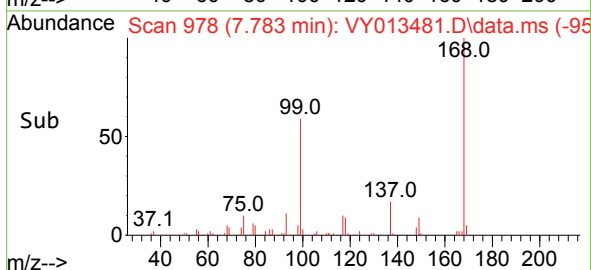
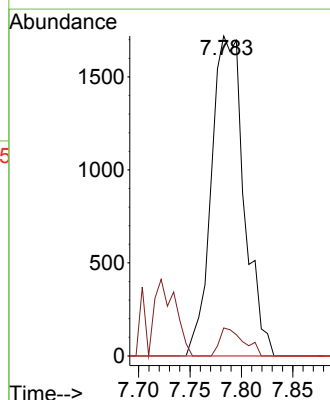
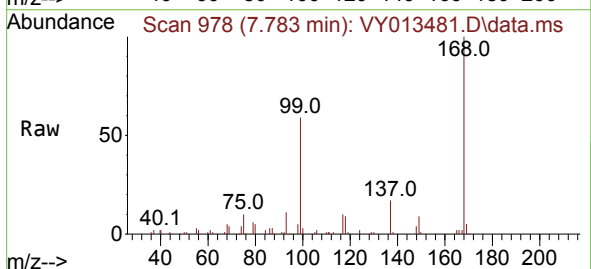
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP3

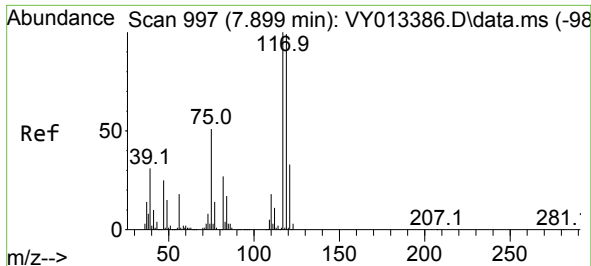
Tgt Ion:113 Resp: 30343
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 19.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.081 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013481.D
Acq: 26 Apr 2023 18:13

Tgt Ion: 75 Resp: 3800
Ion Ratio Lower Upper
75 100
110 6.4 18.7 56.1#
77 0.0 24.6 37.0#

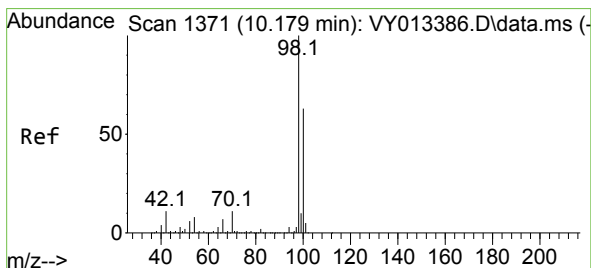
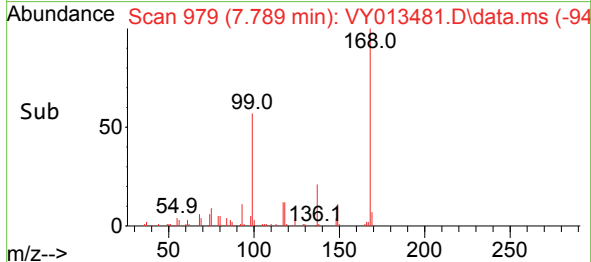
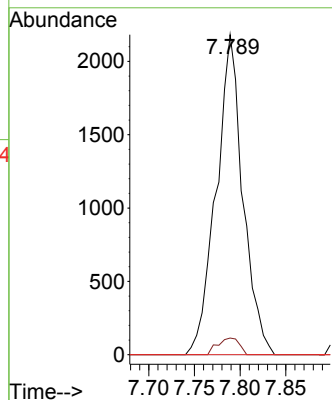
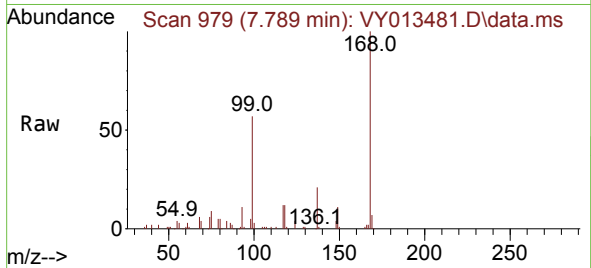




#38
Carbon Tetrachloride
Concen: 5.662 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013481.D
Acq: 26 Apr 2023 18:13

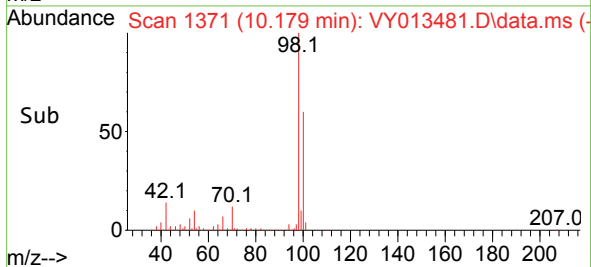
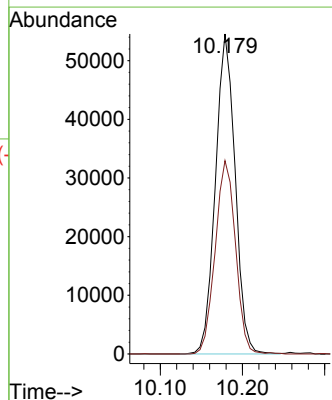
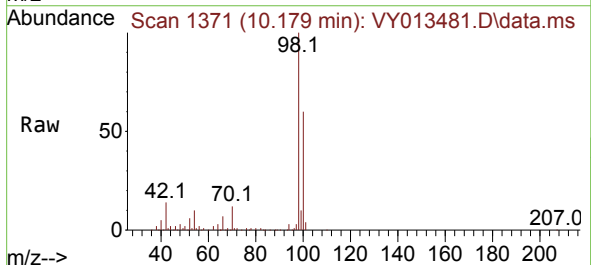
Instrument :
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S2S-TP3

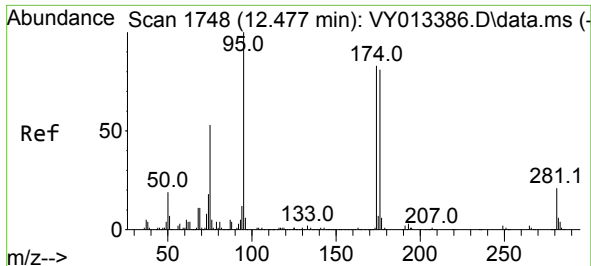
Tgt Ion:117 Resp: 4438
Ion Ratio Lower Upper
117 100
119 5.2 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 56.714 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013481.D
Acq: 26 Apr 2023 18:13

Tgt Ion: 98 Resp: 90915
Ion Ratio Lower Upper
98 100
100 62.2 50.5 75.7

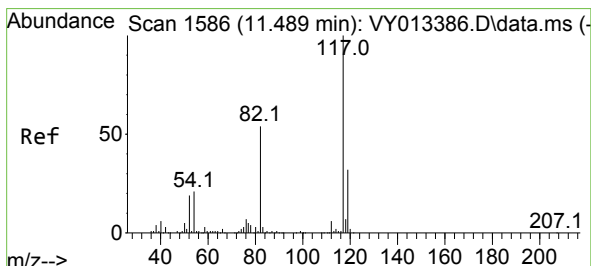
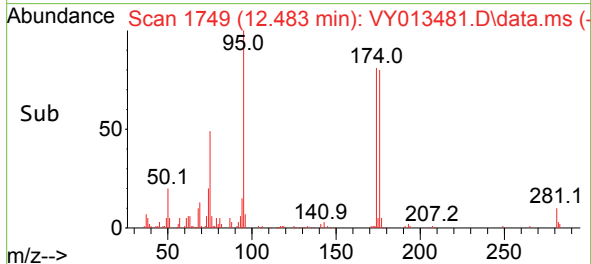
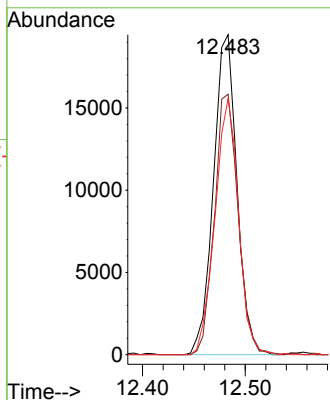
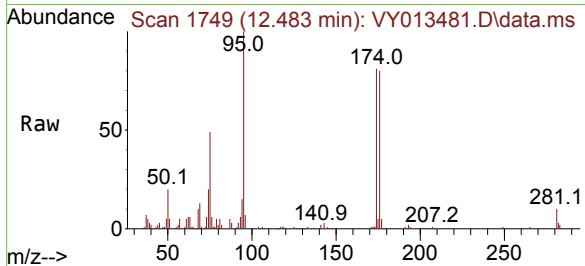




#62
4-Bromofluorobenzene
Concen: 57.101 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013481.D
Acq: 26 Apr 2023 18:13

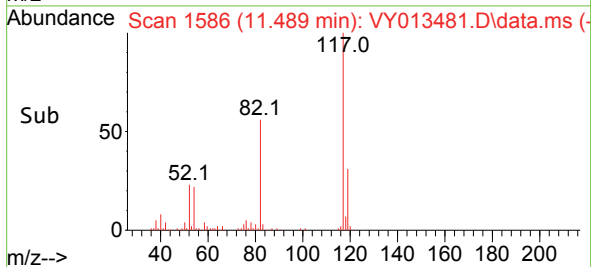
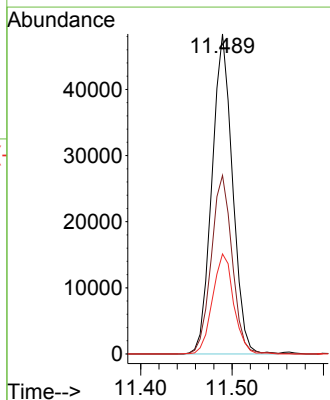
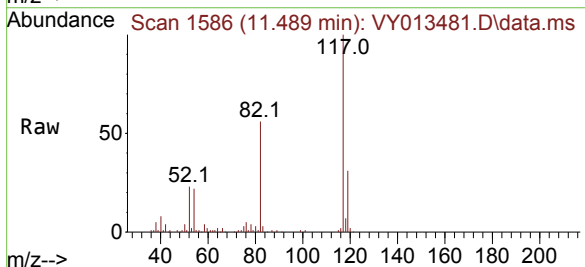
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP3

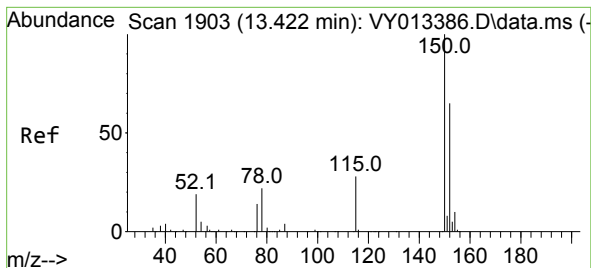
Tgt Ion: 95 Resp: 30859
Ion Ratio Lower Upper
95 100
174 82.2 0.0 182.0
176 80.3 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013481.D
Acq: 26 Apr 2023 18:13

Tgt Ion: 117 Resp: 75571
Ion Ratio Lower Upper
117 100
82 55.8 43.0 64.6
119 31.3 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: VY013481.D

Acq: 26 Apr 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

S2S-TP3

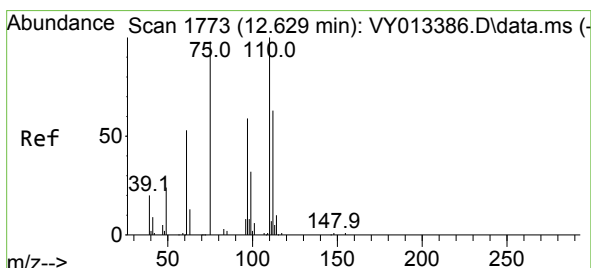
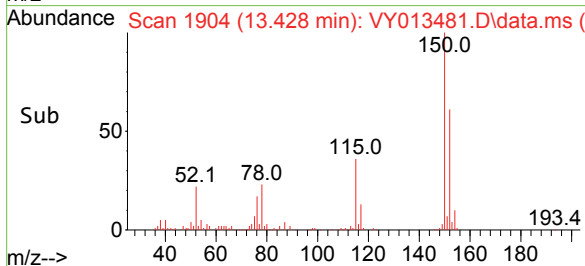
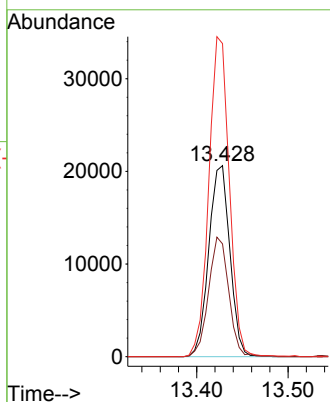
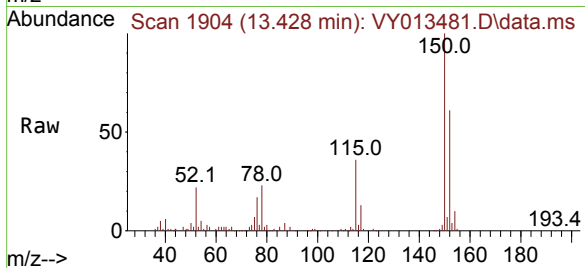
Tgt Ion:152 Resp: 33075

Ion Ratio Lower Upper

152 100

115 59.9 28.1 84.2

150 162.7 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 37.531 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013481.D

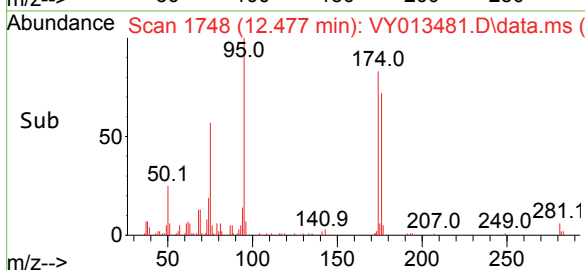
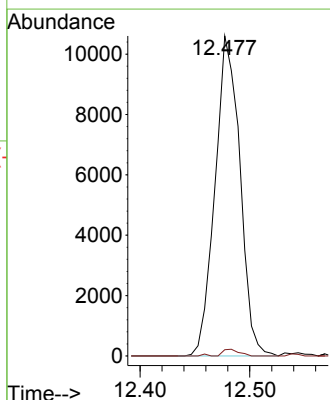
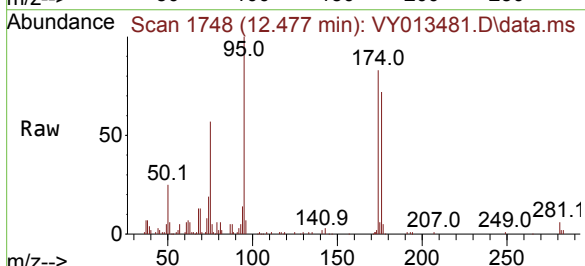
Acq: 26 Apr 2023 18:13

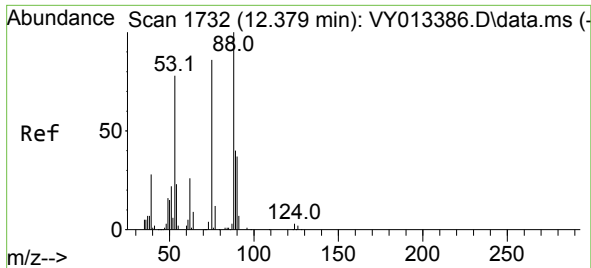
Tgt Ion: 75 Resp: 16741

Ion Ratio Lower Upper

75 100

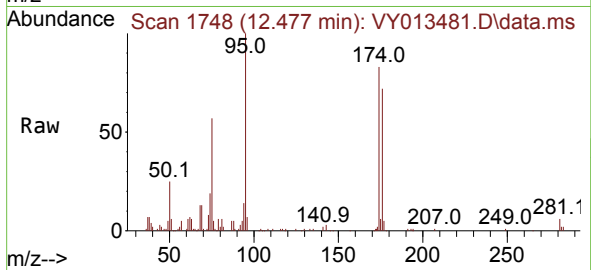
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.772 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013481.D
 Acq: 26 Apr 2023 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 S2S-TP3



Tgt Ion:	75	Resp:	16741
Ion	Ratio	Lower	Upper
75	100		
53	0.5	73.2	109.8#
89	0.5	38.0	57.0#

