

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042723\
 Data File : VY013501.D
 Acq On : 27 Apr 2023 18:50
 Operator : KP/MD
 Sample : 02470-13
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-11-8.5-9.0

Quant Time: Apr 28 01:33:42 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)

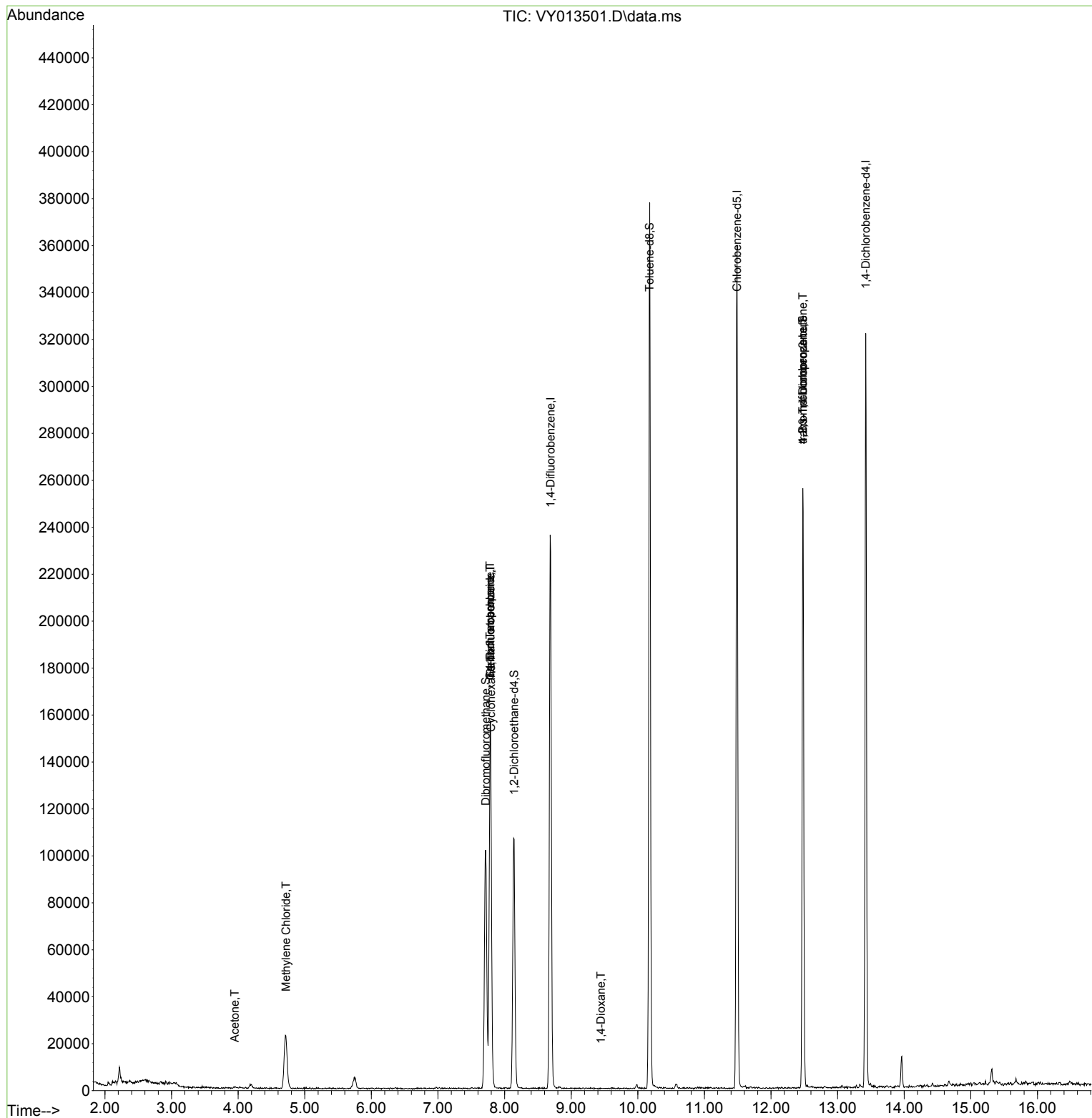
Internal Standards						
1) Pentafluorobenzene	7.789	168	121027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	196912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	190758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	81121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	87479	65.936	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 131.880%			
35) Dibromofluoromethane	7.716	113	72772	58.759	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.520%			
50) Toluene-d8	10.179	98	241921	54.910	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.820%			
62) 4-Bromofluorobenzene	12.477	95	75471	50.812	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.620%			
Target Compounds						
13) Acrolein	3.820	56	19	Below Cal	#	16
16) Acetone	3.948	43	1095	2.096	ug/l	90
20) Methylene Chloride	4.716	84	16482	2.362	ug/l #	86
31) Cyclohexane	7.795	56	3134	1.319	ug/l #	56
36) 1,1-Dichloropropene	7.783	75	10180	4.953	ug/l #	49
38) Carbon Tetrachloride	7.783	117	12280	5.700	ug/l #	15
49) 1,4-Dioxane	9.447	88	52	4.020	ug/l #	27
76) 1,2,3-Trichloropropane	12.477	75	38354	35.058	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	38354	71.713	ug/l #	12

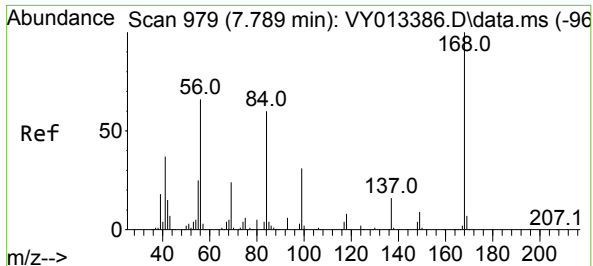
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

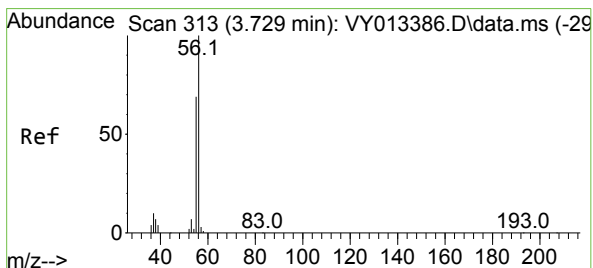
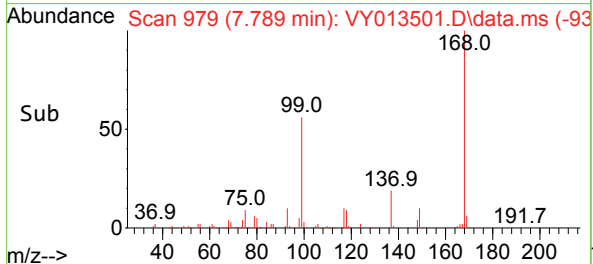
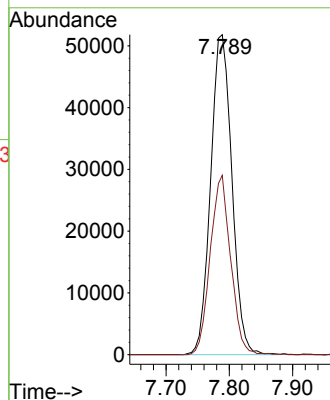
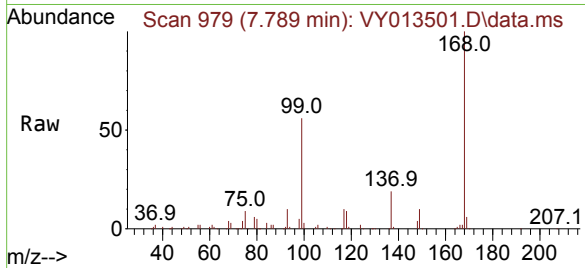




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013501.D
Acq: 27 Apr 2023 18:50

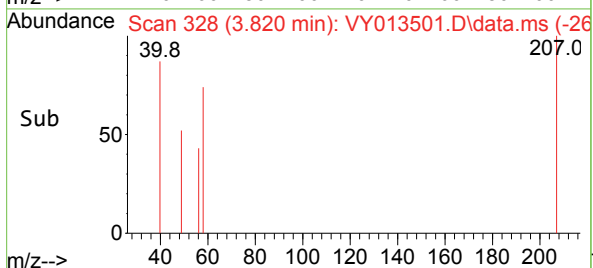
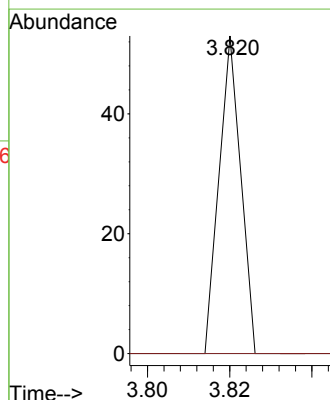
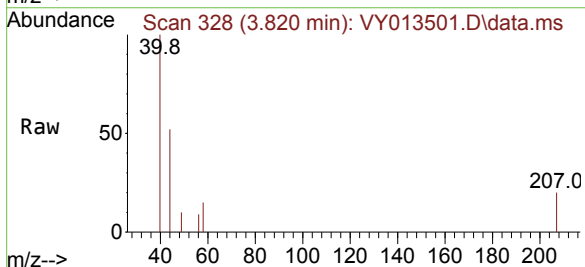
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-8.5-9.0

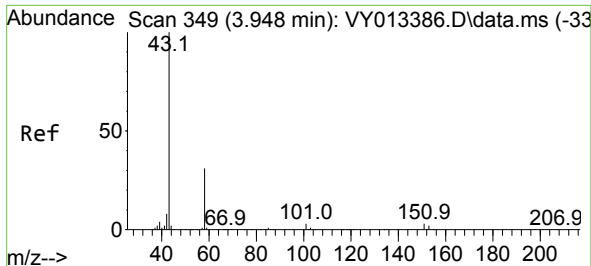
Tgt Ion:168 Resp: 121027
Ion Ratio Lower Upper
168 100
99 56.0 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.820 min Scan# 328
Delta R.T. 0.091 min
Lab File: VY013501.D
Acq: 27 Apr 2023 18:50

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

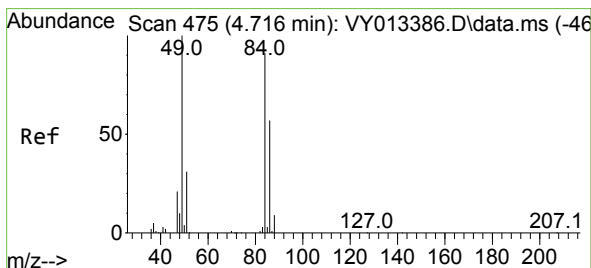
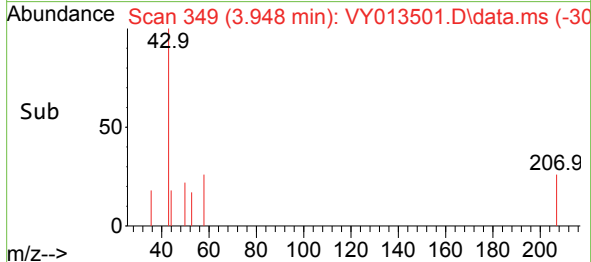
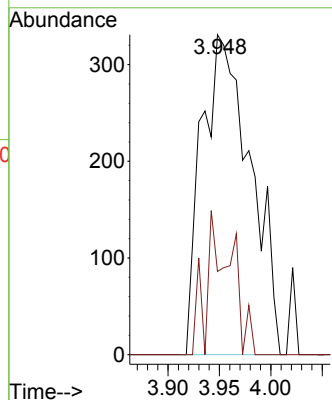
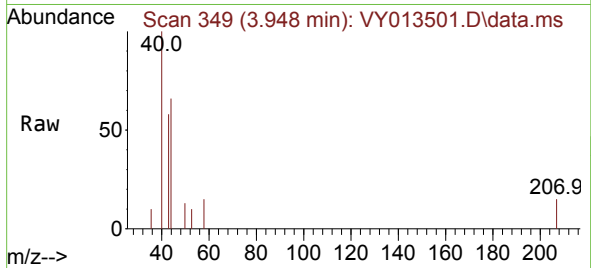




#16
Acetone
Concen: 2.096 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013501.D
Acq: 27 Apr 2023 18:50

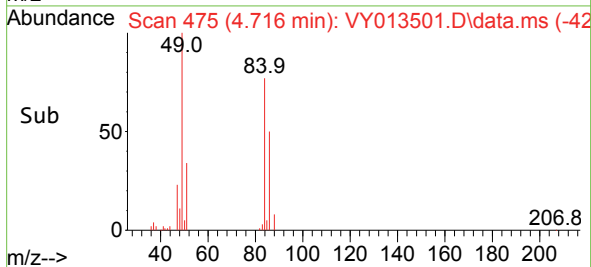
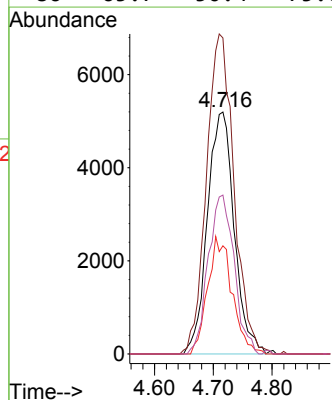
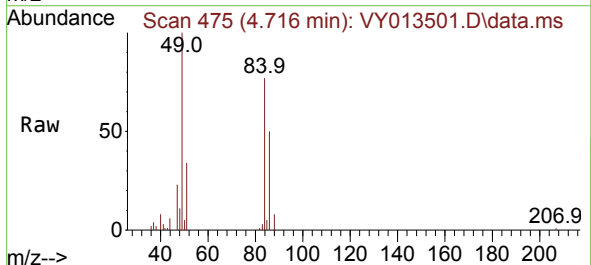
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-8.5-9.0

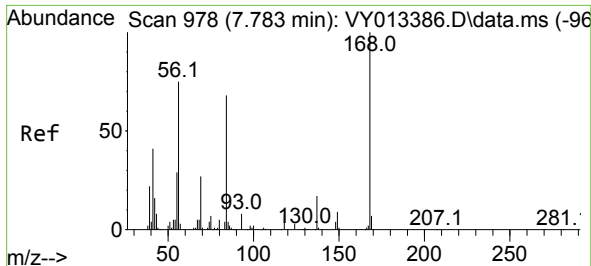
Tgt Ion: 43 Resp: 1095
Ion Ratio Lower Upper
43 100
58 26.0 25.4 38.0



#20
Methylene Chloride
Concen: 2.362 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013501.D
Acq: 27 Apr 2023 18:50

Tgt Ion: 84 Resp: 16482
Ion Ratio Lower Upper
84 100
49 130.6 88.0 132.0
51 44.7 27.4 41.0#
86 65.7 50.4 75.6

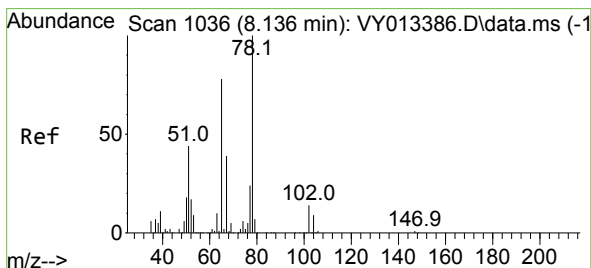
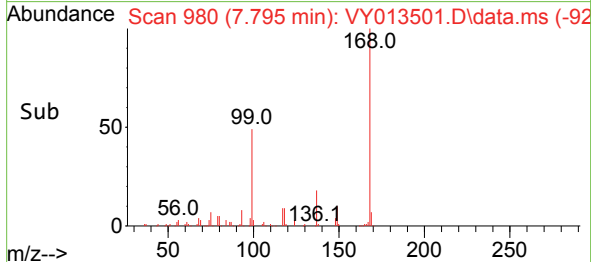
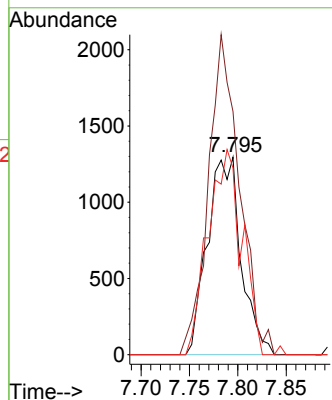
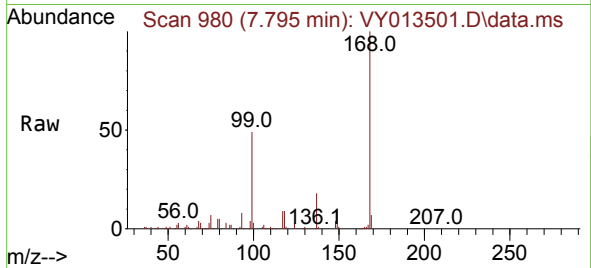




#31
Cyclohexane
Concen: 1.319 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY013501.D
Acq: 27 Apr 2023 18:50

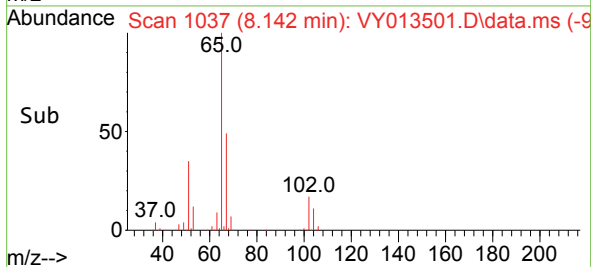
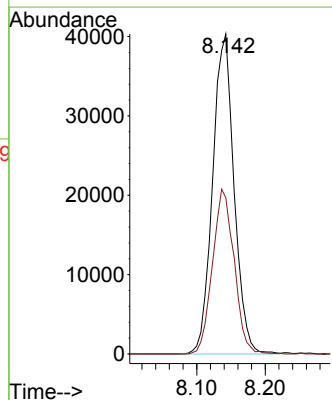
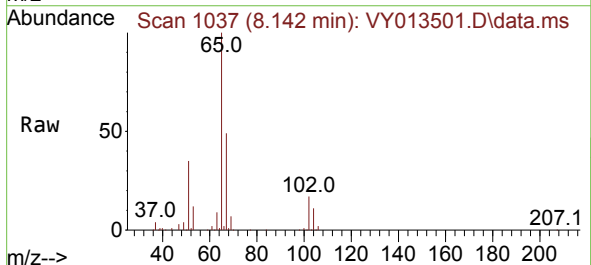
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-8.5-9.0

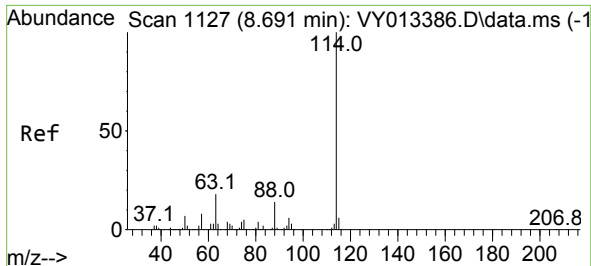
Tgt Ion: 56 Resp: 3134
Ion Ratio Lower Upper
56 100
69 123.2 29.2 43.8#
84 94.6 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 65.936 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013501.D
Acq: 27 Apr 2023 18:50

Tgt Ion: 65 Resp: 87479
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

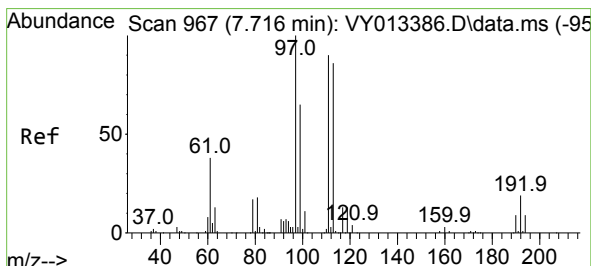
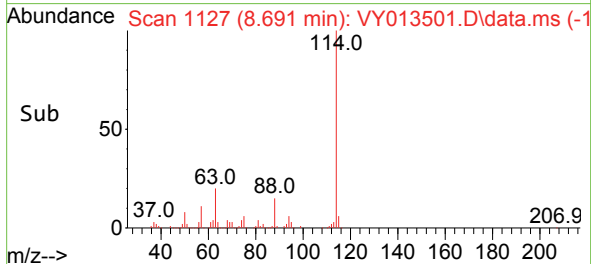
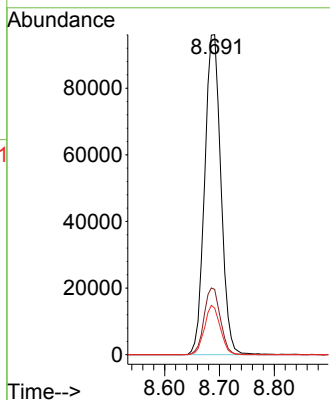
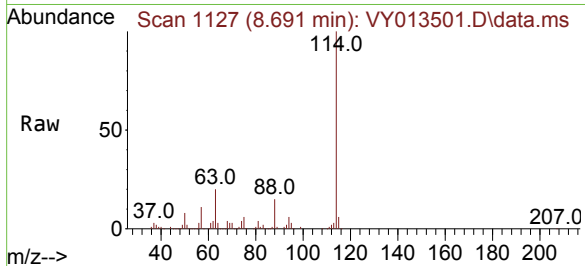




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013501.D
Acq: 27 Apr 2023 18:50

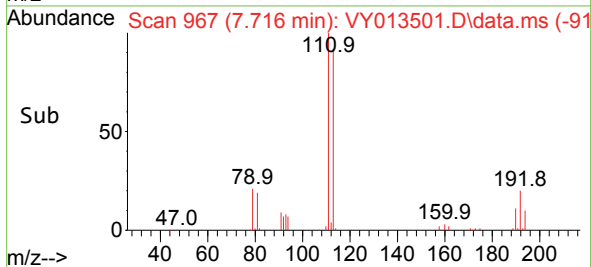
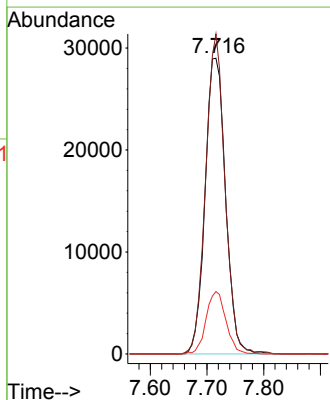
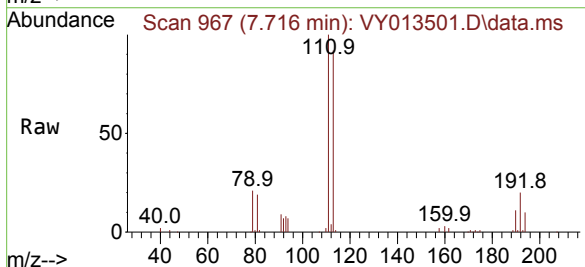
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-8.5-9.0

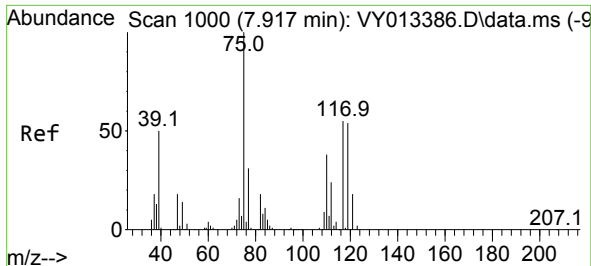
Tgt Ion:114 Resp: 196912
Ion Ratio Lower Upper
114 100
63 20.4 0.0 36.6
88 14.5 0.0 28.8



#35
Dibromofluoromethane
Concen: 58.759 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013501.D
Acq: 27 Apr 2023 18:50

Tgt Ion:113 Resp: 72772
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 20.5 16.7 25.1

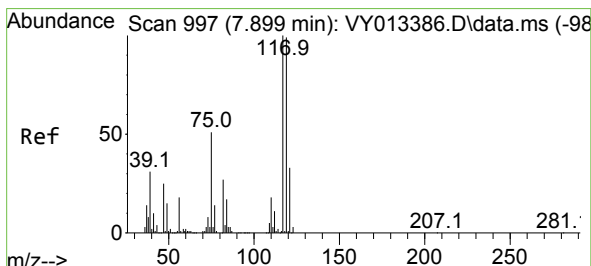
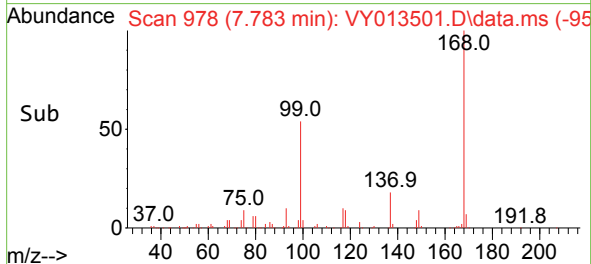
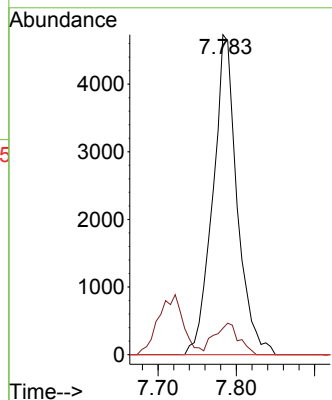
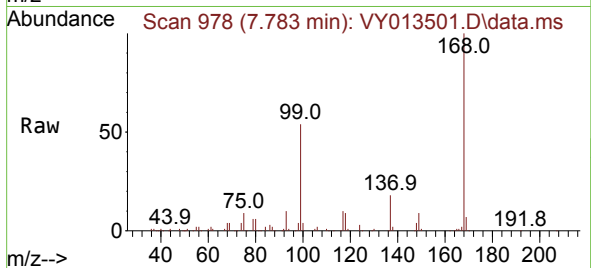




#36
 1,1-Dichloropropene
 Concen: 4.953 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY013501.D
 Acq: 27 Apr 2023 18:50

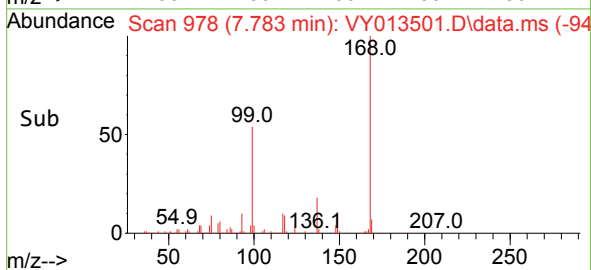
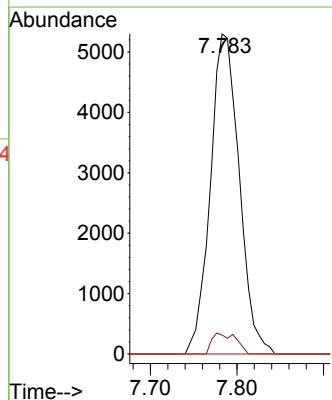
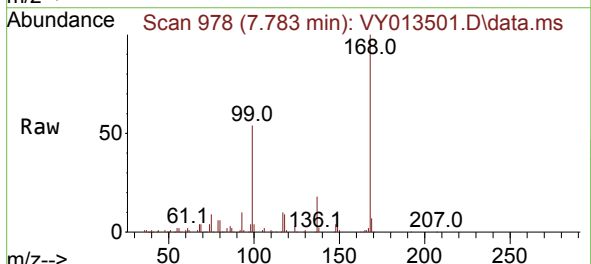
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-11-8.5-9.0

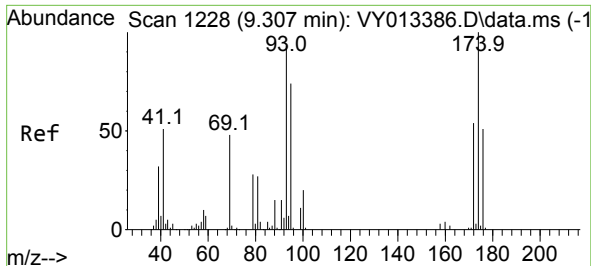
Tgt Ion: 75 Resp: 10180
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.7 56.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.700 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.116 min
 Lab File: VY013501.D
 Acq: 27 Apr 2023 18:50

Tgt Ion: 117 Resp: 12280
 Ion Ratio Lower Upper
 117 100
 119 5.9 79.0 118.6#
 121 0.0 26.6 40.0#





#49

1,4-Dioxane

Concen: 4.020 ug/l

RT: 9.447 min Scan# 1251

Delta R.T. 0.140 min

Lab File: VY013501.D

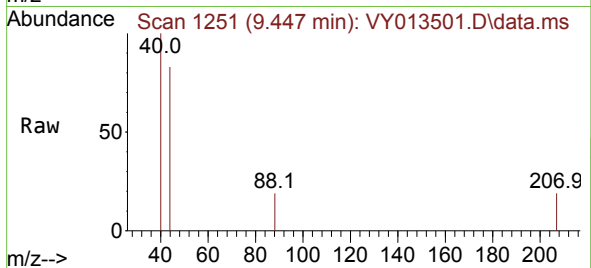
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Instrument :

MSVOA_Y

ClientSampleId :

SB-11-8.5-9.0



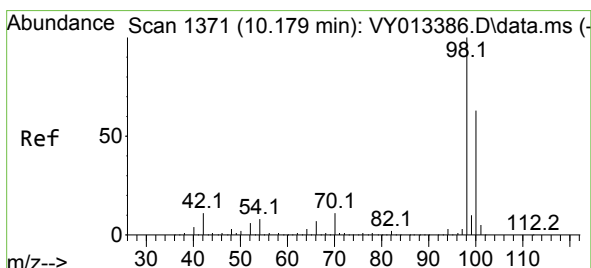
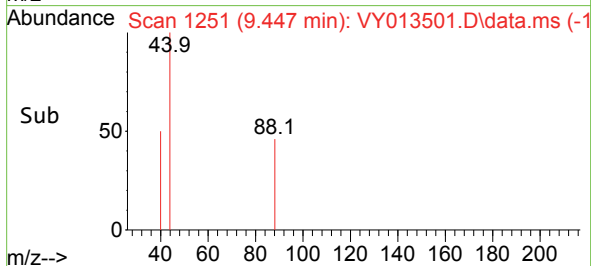
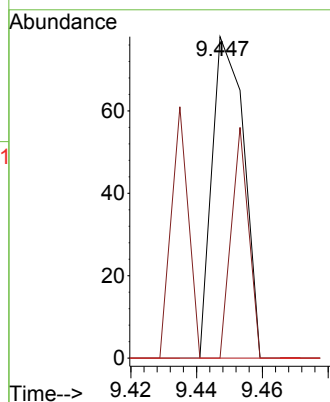
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 38.5 16.8 25.2#

58 0.0 54.3 81.5#



#50

Toluene-d8

Concen: 54.910 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013501.D

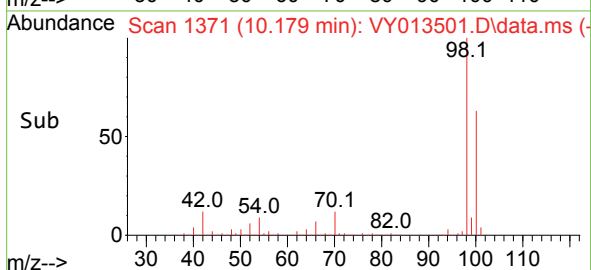
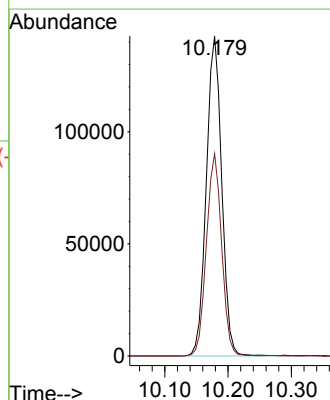
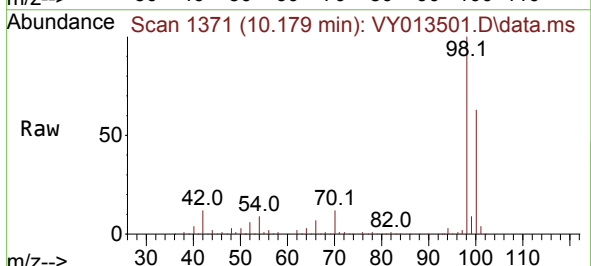
Acq: 27 Apr 2023 18:50

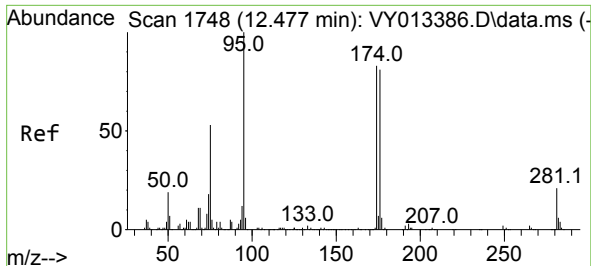
Tgt Ion: 98 Resp: 241921

Ion Ratio Lower Upper

98 100

100 62.6 50.5 75.7

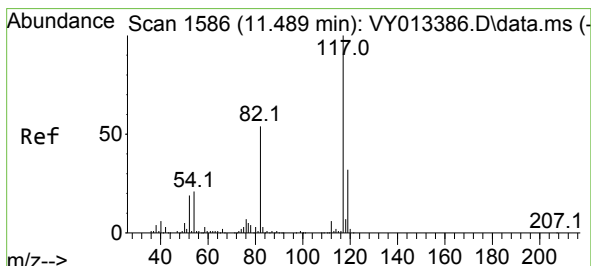
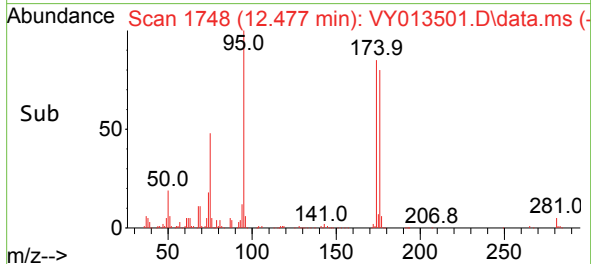
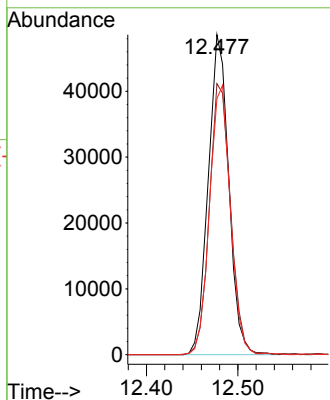
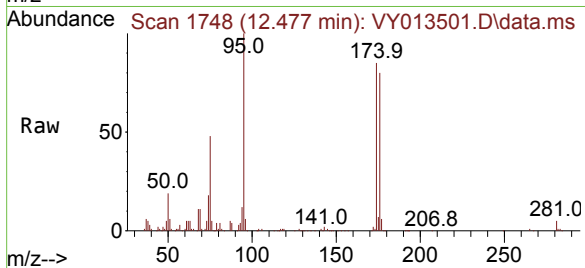




#62
4-Bromofluorobenzene
Concen: 50.812 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013501.D
Acq: 27 Apr 2023 18:50

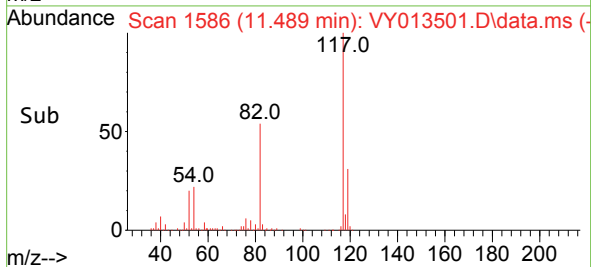
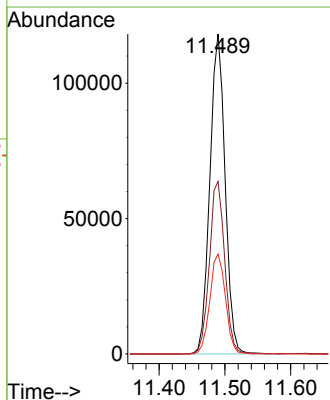
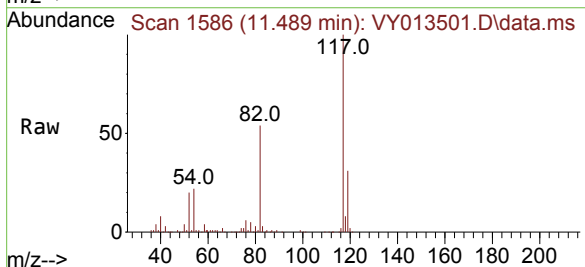
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-8.5-9.0

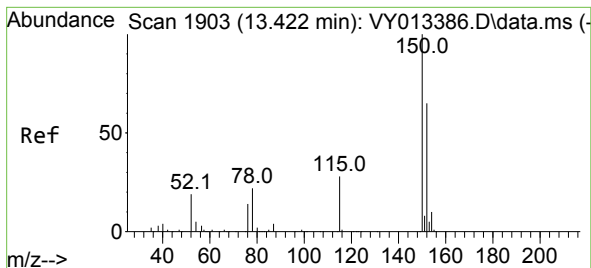
Tgt Ion: 95 Resp: 75471
Ion Ratio Lower Upper
95 100
174 87.8 0.0 182.0
176 85.9 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013501.D
Acq: 27 Apr 2023 18:50

Tgt Ion: 117 Resp: 190758
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.6
119 31.2 25.5 38.3

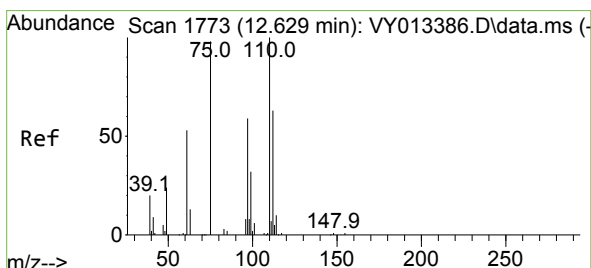
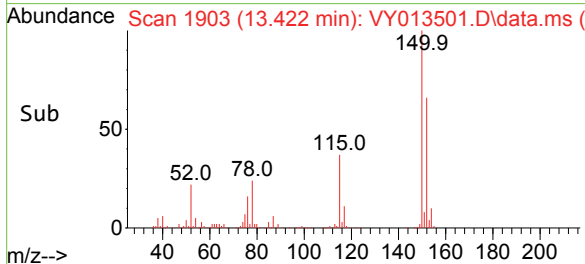
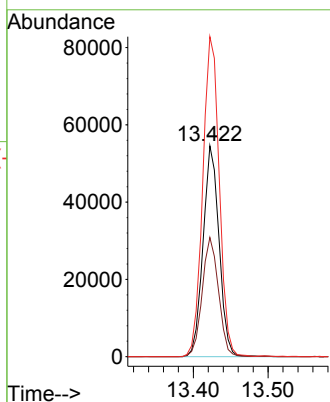
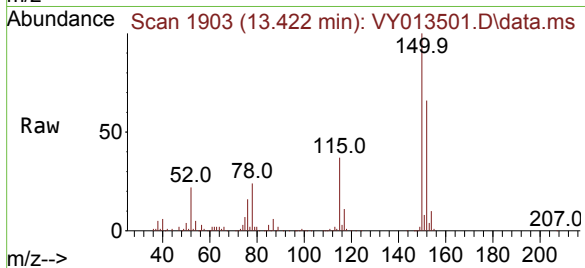




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY013501.D
 Acq: 27 Apr 2023 18:50

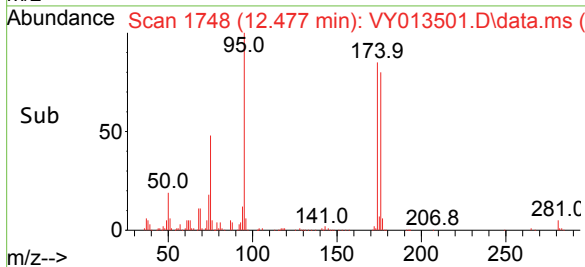
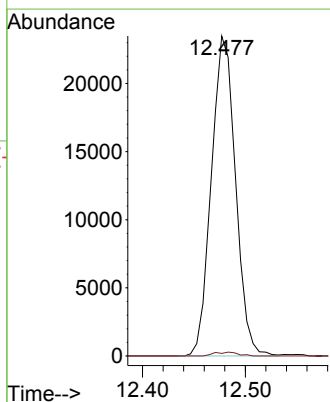
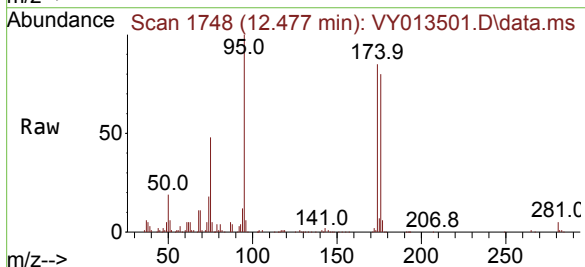
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-11-8.5-9.0

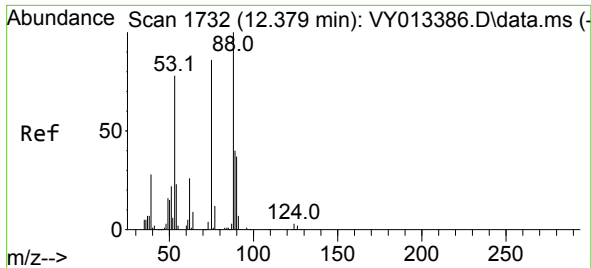
Tgt Ion:152 Resp: 81121
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.1 84.2
 150 156.6 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 35.058 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013501.D
 Acq: 27 Apr 2023 18:50

Tgt Ion: 75 Resp: 38354
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.713 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013501.D
 Acq: 27 Apr 2023 18:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-11-8.5-9.0

Tgt Ion: 75 Resp: 38354
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.0 38.0 57.0#

