

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013425.D
 Acq On : 25 Apr 2023 03:51
 Operator : KP/MD
 Sample : 02389-18
 Misc : 3.53g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPB-5WC-23-04-17

Quant Time: Apr 25 07:15:29 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)

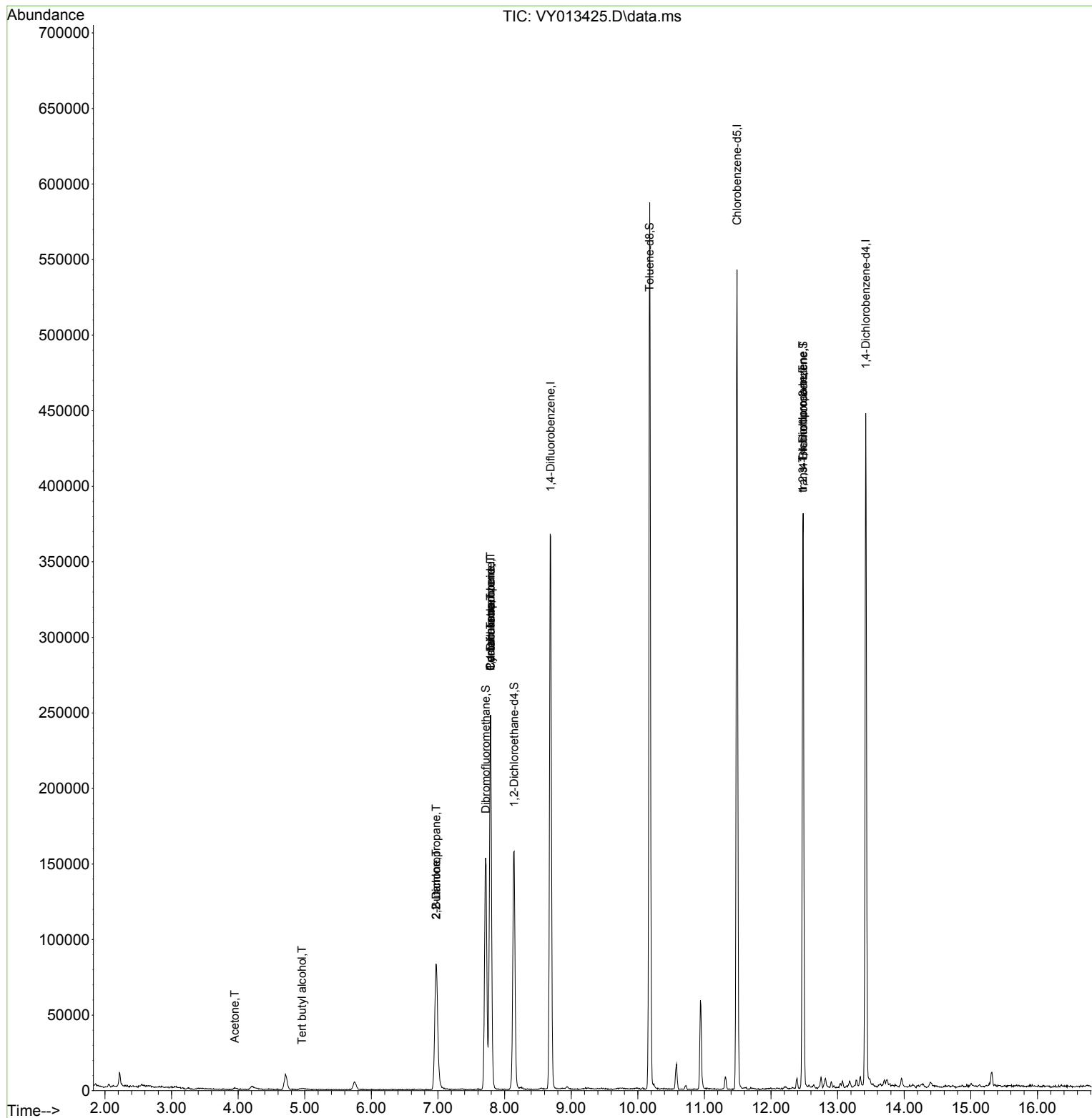
Internal Standards						
1) Pentafluorobenzene	7.789	168	185693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	311046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	277677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	110881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	124601	61.211	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 122.420%		
35) Dibromofluoromethane	7.716	113	109268	55.853	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 111.700%		
50) Toluene-d8	10.179	98	373129	53.614	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 107.220%		
62) 4-Bromofluorobenzene	12.483	95	108152	46.096	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 92.200%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	974	4.887	ug/l #	91
13) Acrolein	3.710	56	52	Below Cal	#	79
16) Acetone	3.948	43	1670	2.083	ug/l #	86
20) Methylene Chloride	4.710	84	7202	Below Cal		88
25) 2-Butanone	6.972	43	4979	4.897	ug/l #	79
26) 2,2-Dichloropropane	6.972	77	6793	2.021	ug/l #	52
31) Cyclohexane	7.789	56	3919	1.075	ug/l #	9
36) 1,1-Dichloropropene	7.789	75	13812	4.254	ug/l #	49
38) Carbon Tetrachloride	7.789	117	18128	5.327	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	57041	38.145	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57041	78.028	ug/l #	13

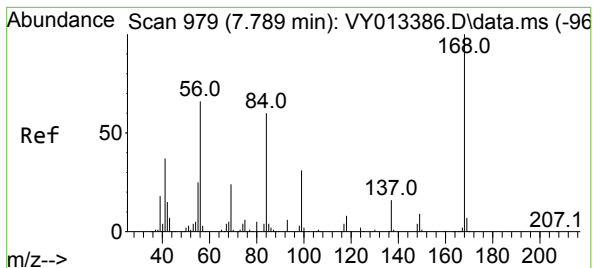
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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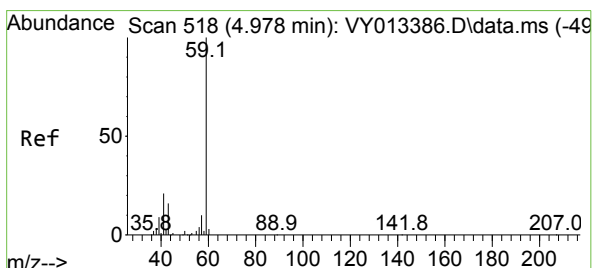
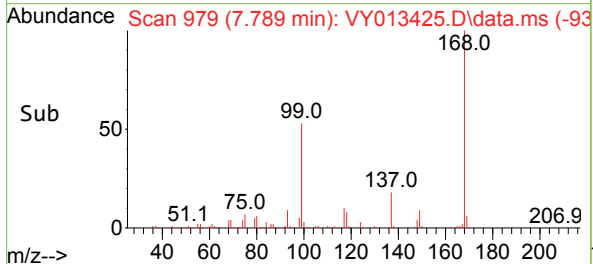
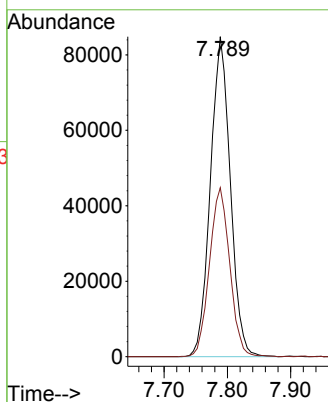
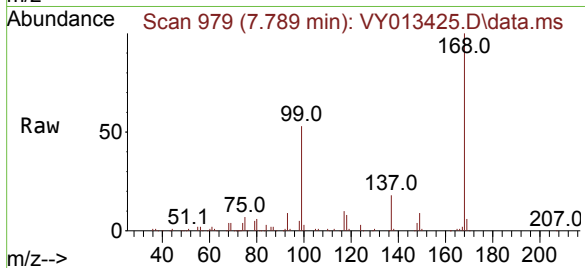




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013425.D
Acq: 25 Apr 2023 03:51

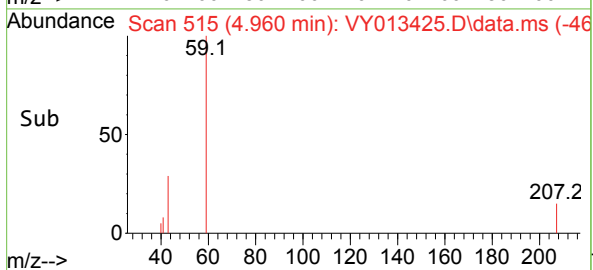
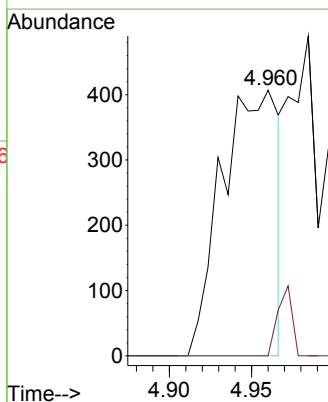
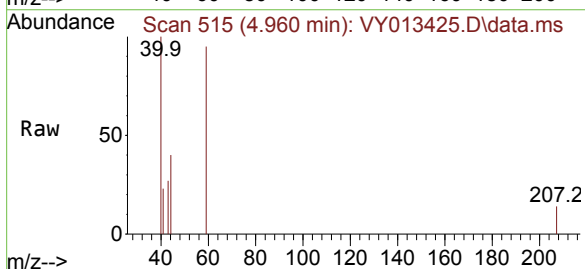
Instrument :
MSVOA_Y
ClientSampleId :
SPB-5WC-23-04-17

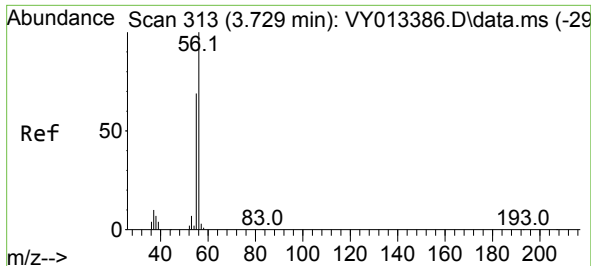
Tgt Ion:168 Resp: 185693
Ion Ratio Lower Upper
168 100
99 52.8 41.8 62.6



#11
Tert butyl alcohol
Concen: 4.887 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY013425.D
Acq: 25 Apr 2023 03:51

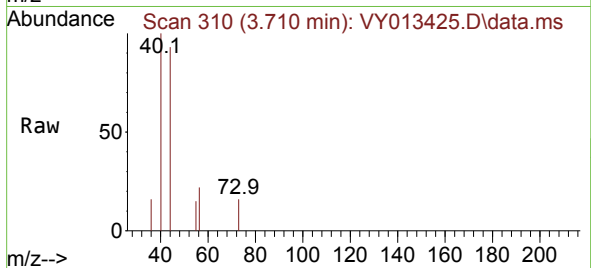
Tgt Ion: 59 Resp: 974
Ion Ratio Lower Upper
59 100
57 6.7 3.0 4.4#



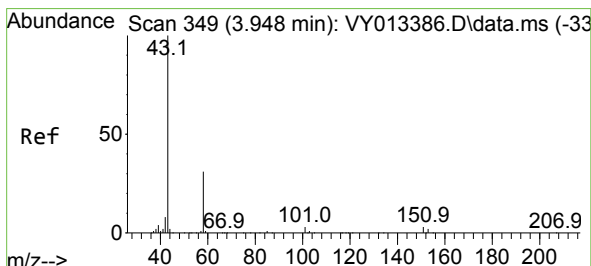
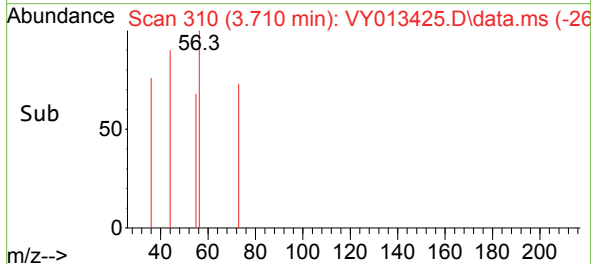
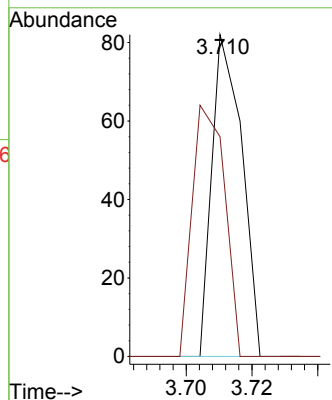


#13
Acrolein
Concen: Below Cal
RT: 3.710 min Scan# 313
Delta R.T. -0.019 min
Lab File: VY013425.D
Acq: 25 Apr 2023 03:51

Instrument :
MSVOA_Y
ClientSampleId :
SPB-5WC-23-04-17

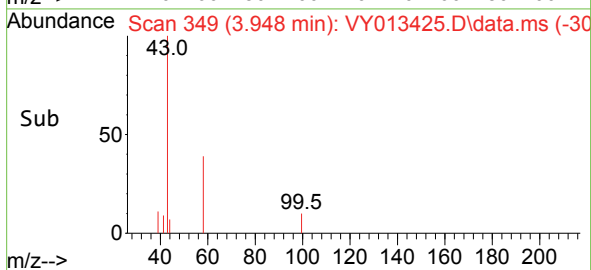
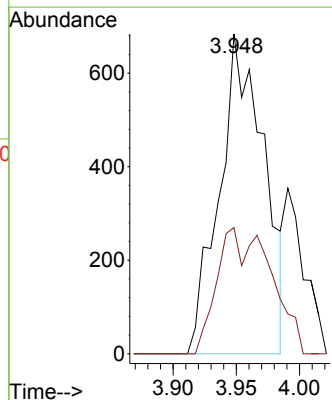
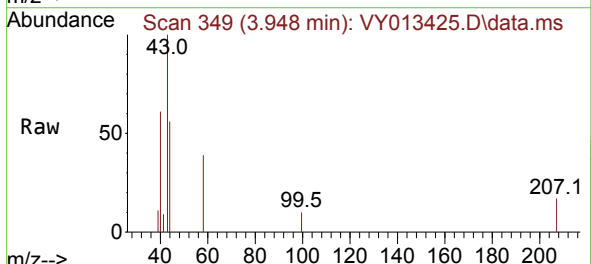


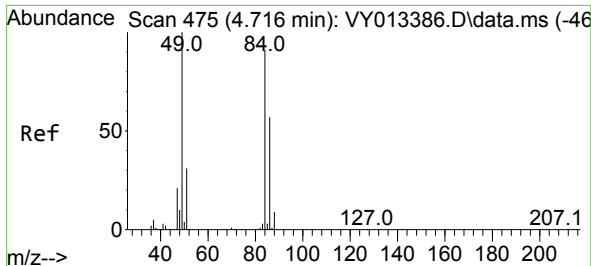
Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 84.6 54.1 81.1#



#16
Acetone
Concen: 2.083 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013425.D
Acq: 25 Apr 2023 03:51

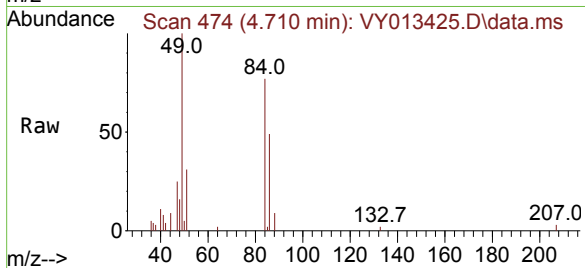
Tgt Ion: 43 Resp: 1670
Ion Ratio Lower Upper
43 100
58 39.5 25.4 38.0#





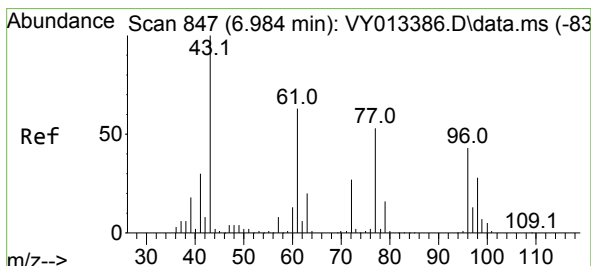
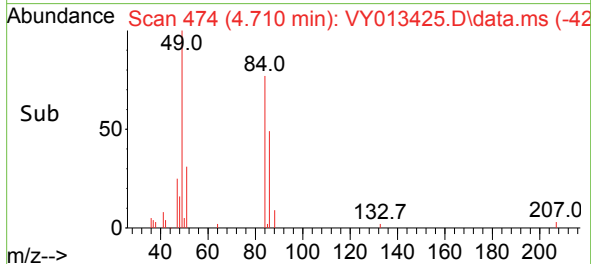
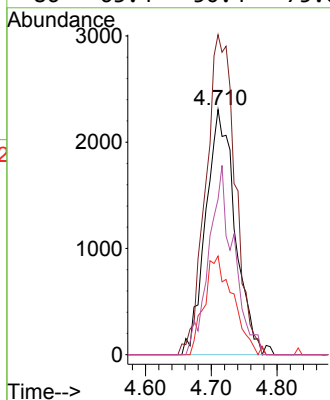
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013425.D
Acq: 25 Apr 2023 03:51

Instrument :
MSVOA_Y
ClientSampleId :
SPB-5WC-23-04-17



Tgt Ion: 84 Resp: 7202

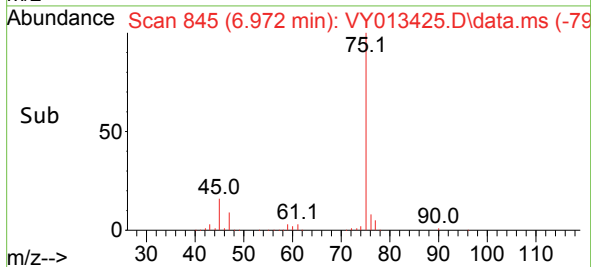
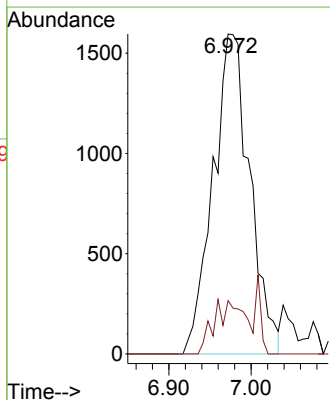
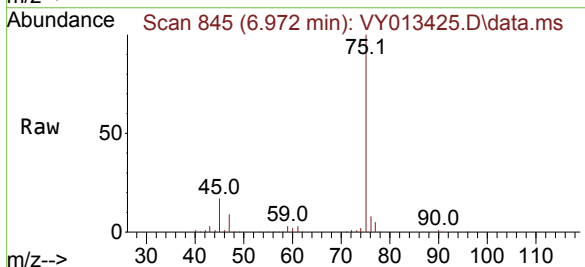
Ion	Ratio	Lower	Upper
84	100		
49	130.6	88.0	132.0
51	40.3	27.4	41.0
86	63.4	50.4	75.6

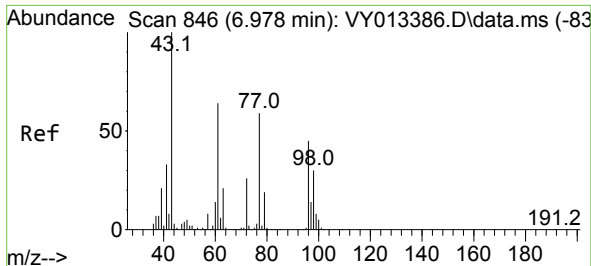


#25
2-Butanone
Concen: 4.897 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY013425.D
Acq: 25 Apr 2023 03:51

Tgt Ion: 43 Resp: 4979

Ion	Ratio	Lower	Upper
43	100		
72	16.7	21.9	32.9#





#26

2,2-Dichloropropane

Concen: 2.021 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY013425.D

Acq: 25 Apr 2023 03:51

Instrument :

MSVOA_Y

ClientSampleId :

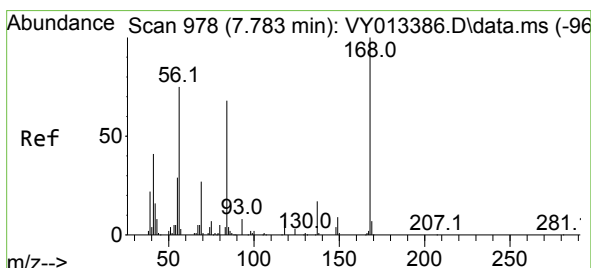
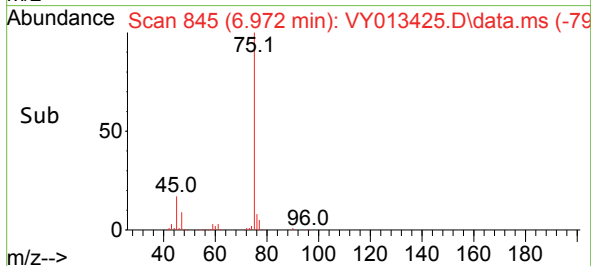
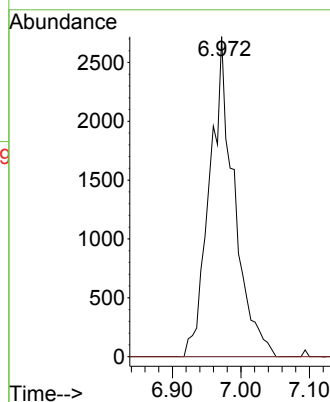
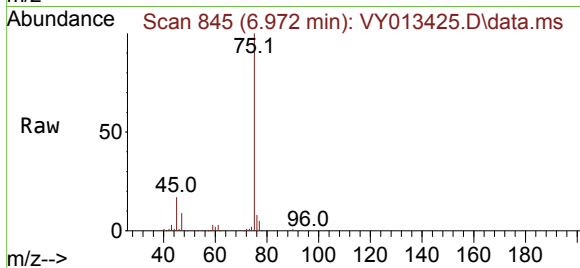
SPB-5WC-23-04-17

Tgt Ion: 77 Resp: 6793

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#31

Cyclohexane

Concen: 1.075 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY013425.D

Acq: 25 Apr 2023 03:51

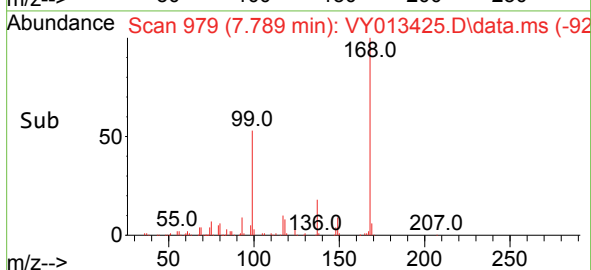
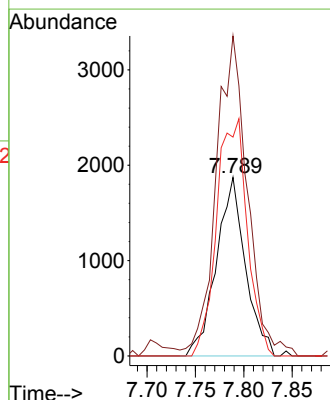
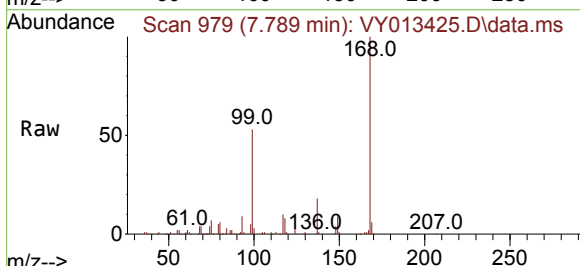
Tgt Ion: 56 Resp: 3919

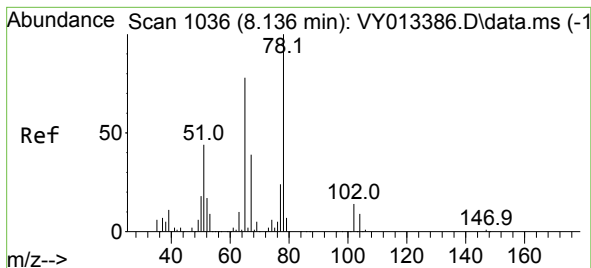
Ion Ratio Lower Upper

56 100

69 176.0 29.2 43.8#

84 122.6 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 61.211 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY013425.D

Acq: 25 Apr 2023 03:51

Instrument :

MSVOA_Y

ClientSampleId :

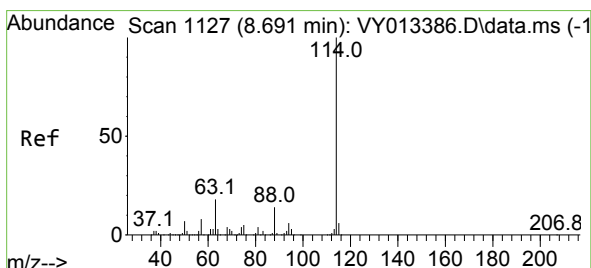
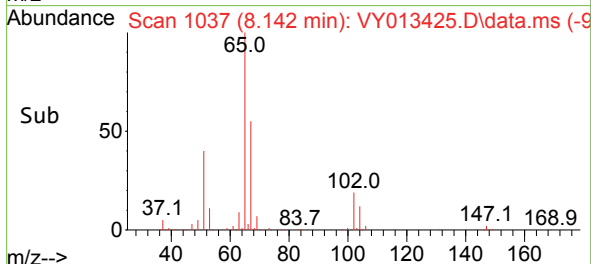
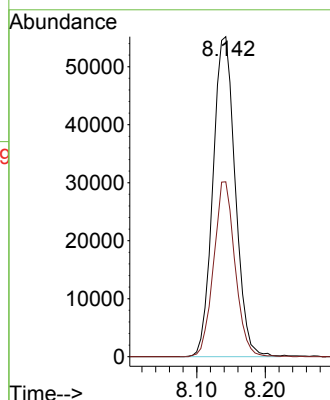
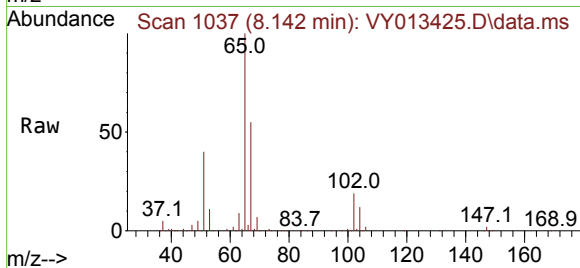
SPB-5WC-23-04-17

Tgt Ion: 65 Resp: 124601

Ion Ratio Lower Upper

65 100

67 52.5 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: VY013425.D

Acq: 25 Apr 2023 03:51

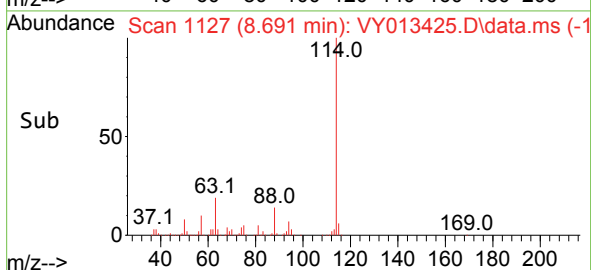
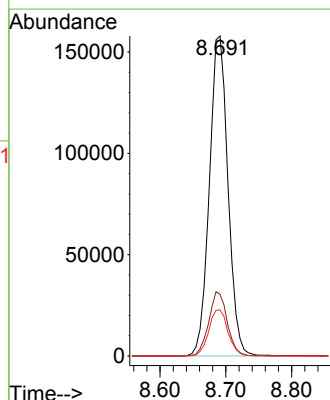
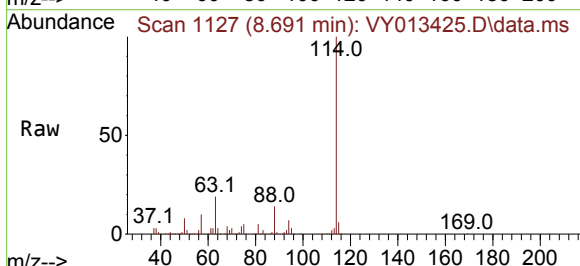
Tgt Ion: 114 Resp: 311046

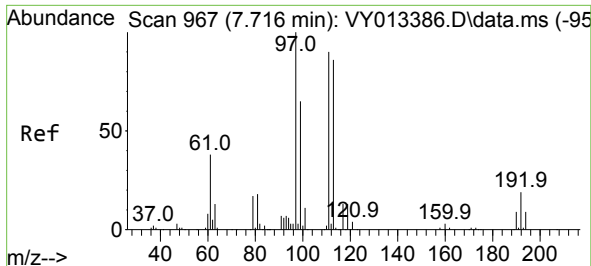
Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.6

88 14.4 0.0 28.8

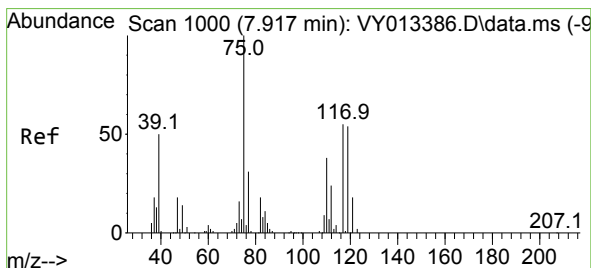
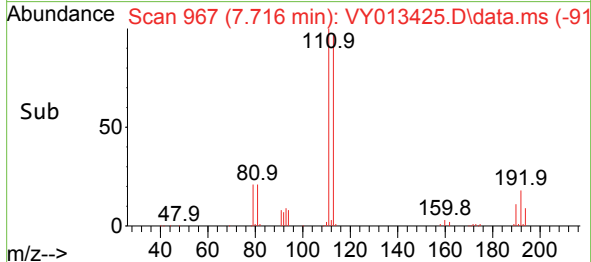
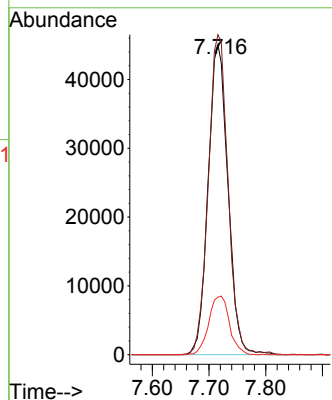
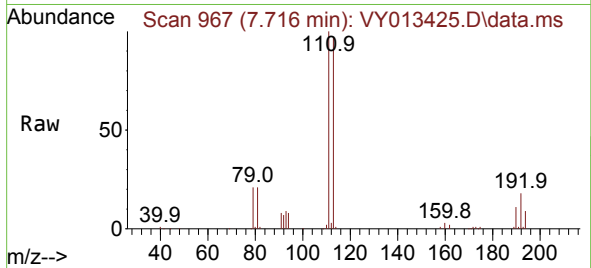




#35
Dibromofluoromethane
Concen: 55.853 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013425.D
Acq: 25 Apr 2023 03:51

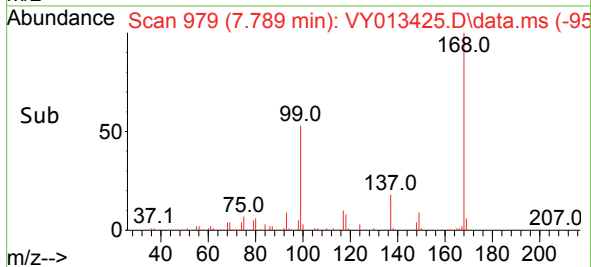
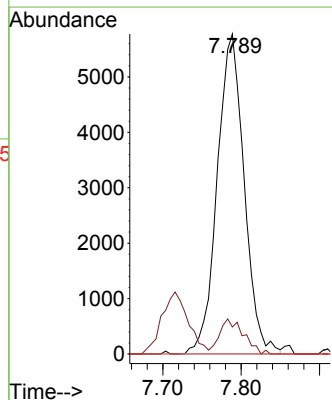
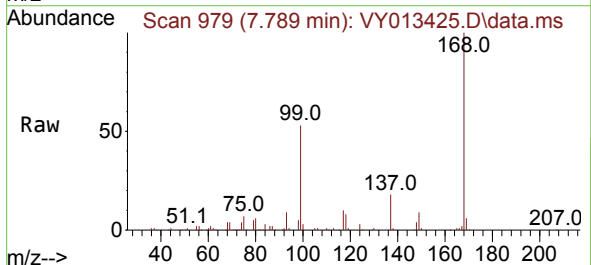
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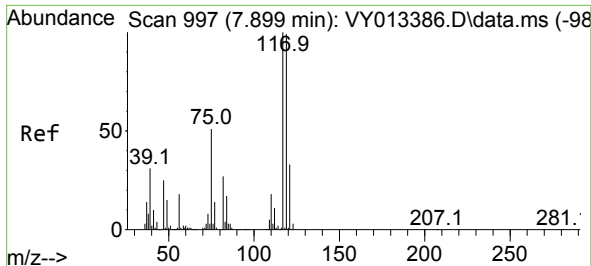
Tgt Ion:113 Resp: 109268
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 19.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.254 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013425.D
Acq: 25 Apr 2023 03:51

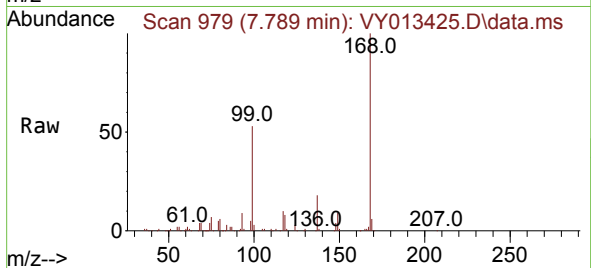
Tgt Ion: 75 Resp: 13812
Ion Ratio Lower Upper
75 100
110 9.7 18.7 56.1#
77 0.0 24.6 37.0#



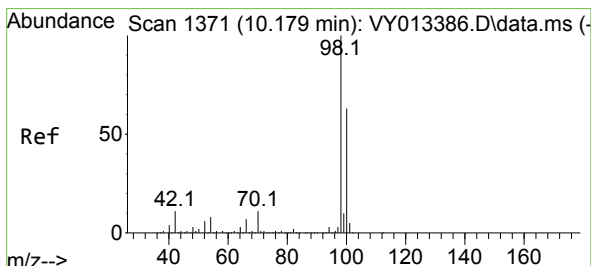
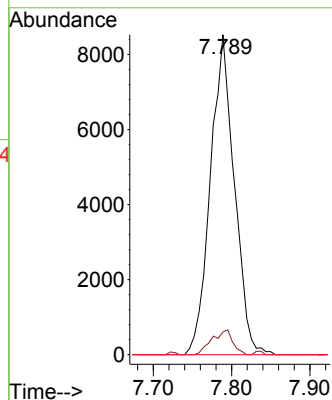
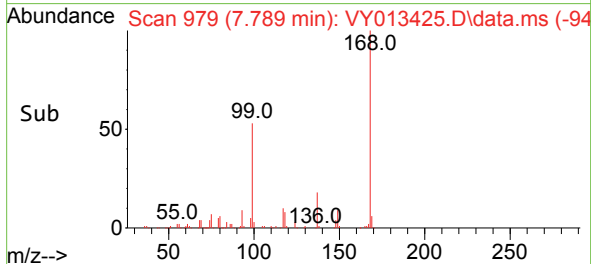


#38
Carbon Tetrachloride
Concen: 5.327 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013425.D
Acq: 25 Apr 2023 03:51

Instrument :
MSVOA_Y
ClientSampleId :
SPB-5WC-23-04-17

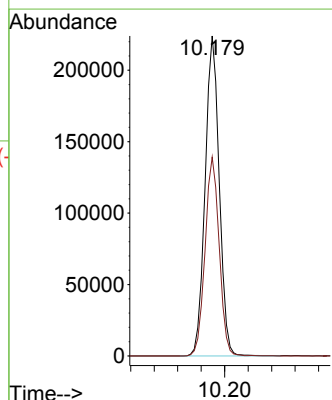
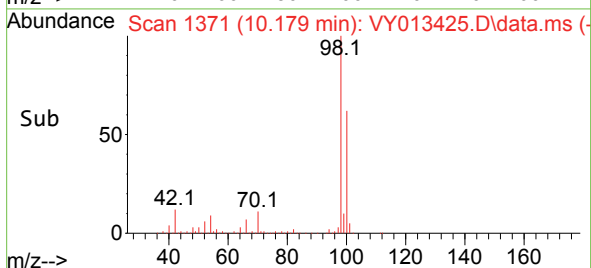
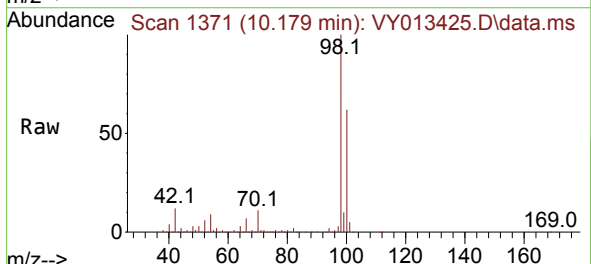


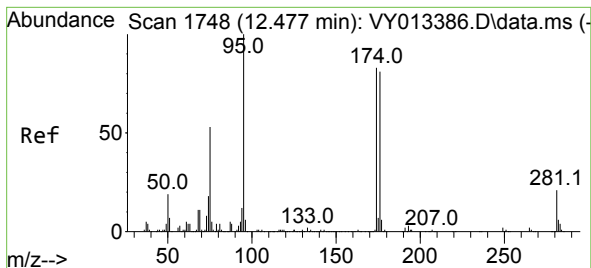
Tgt Ion:117 Resp: 18128
Ion Ratio Lower Upper
117 100
119 7.1 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 53.614 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013425.D
Acq: 25 Apr 2023 03:51

Tgt Ion: 98 Resp: 373129
Ion Ratio Lower Upper
98 100
100 62.2 50.5 75.7

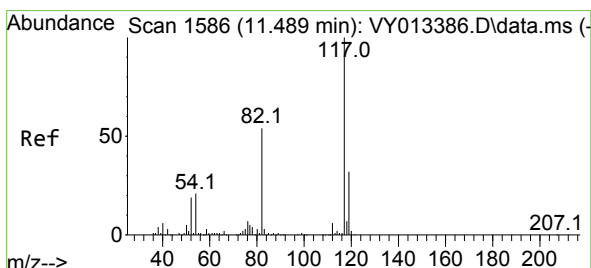
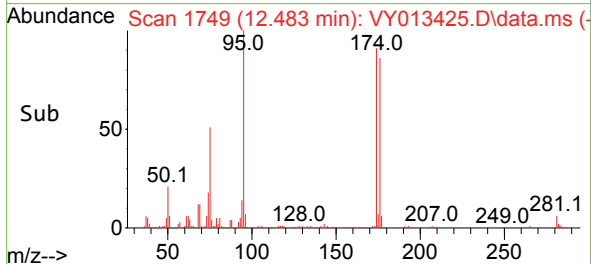
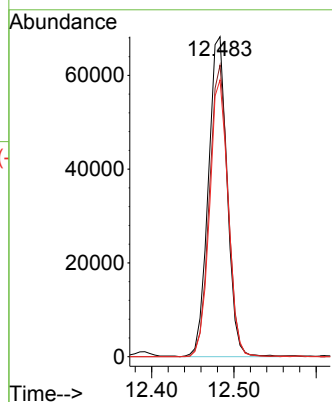
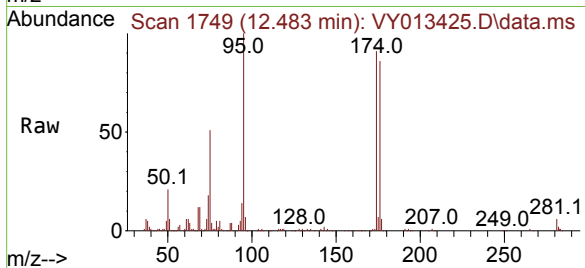




#62
4-Bromofluorobenzene
Concen: 46.096 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013425.D
Acq: 25 Apr 2023 03:51

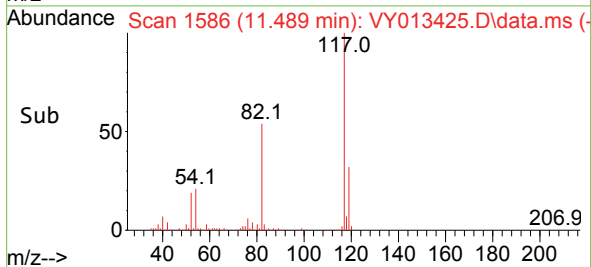
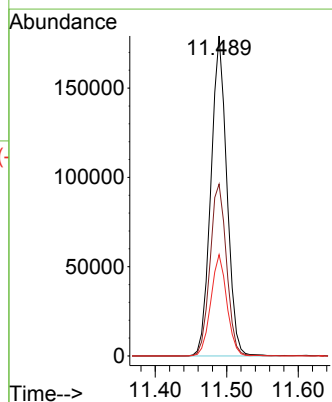
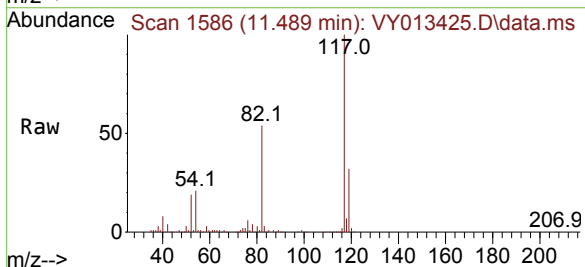
Instrument :
MSVOA_Y
ClientSampleId :
SPB-5WC-23-04-17

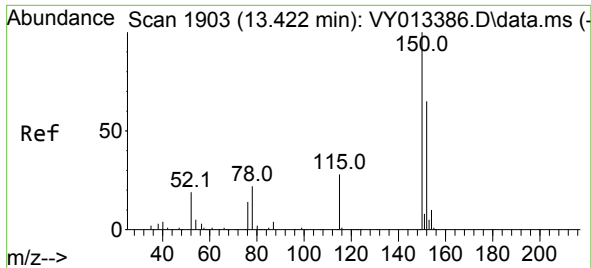
Tgt Ion: 95 Resp: 108152
Ion Ratio Lower Upper
95 100
174 90.6 0.0 182.0
176 85.8 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013425.D
Acq: 25 Apr 2023 03:51

Tgt Ion: 117 Resp: 277677
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.6
119 31.7 25.5 38.3

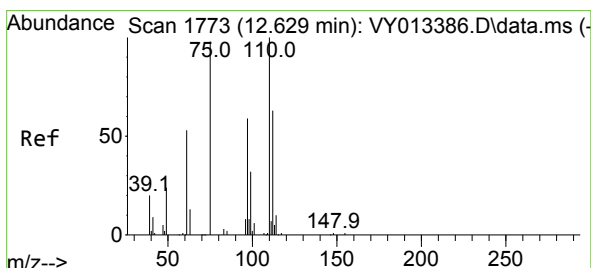
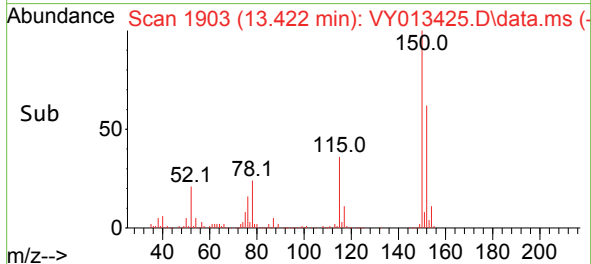
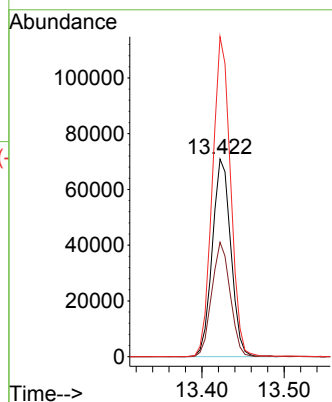
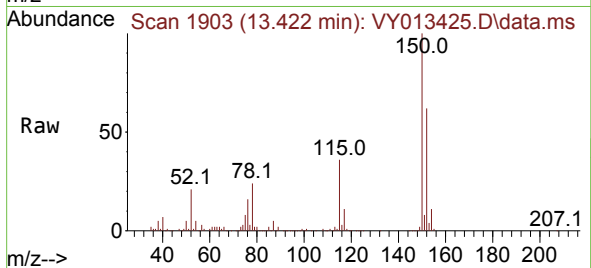




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY013425.D
 Acq: 25 Apr 2023 03:51

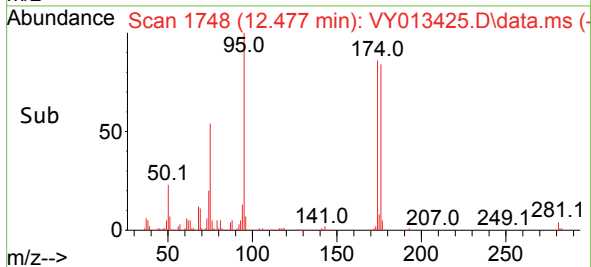
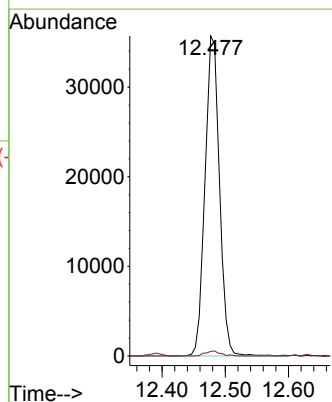
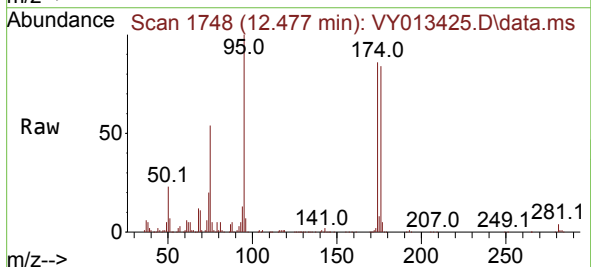
Instrument :
 MSVOA_Y
 ClientSampleId :
 SPB-5WC-23-04-17

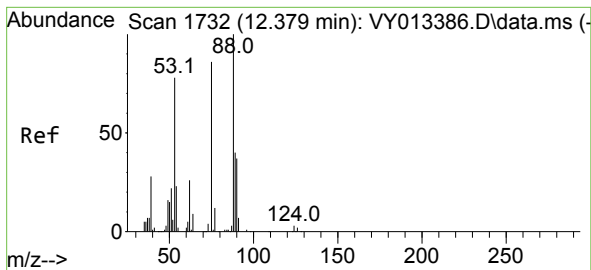
Tgt Ion:152 Resp: 110881
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.1 84.2
 150 158.3 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 38.145 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013425.D
 Acq: 25 Apr 2023 03:51

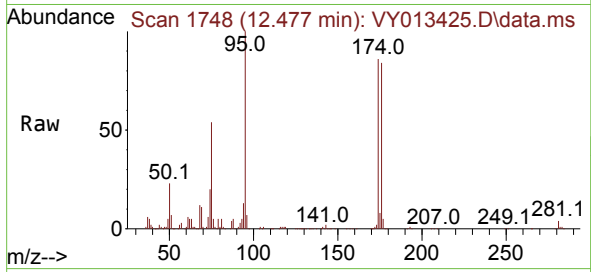
Tgt Ion: 75 Resp: 57041
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.028 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013425.D
 Acq: 25 Apr 2023 03:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPB-5WC-23-04-17



Tgt Ion: 75 Resp: 57041
 Ion Ratio Lower Upper
 75 100
 53 0.4 73.2 109.8#
 89 0.3 38.0 57.0#

