

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050523\
 Data File : VY013634.D
 Acq On : 05 May 2023 18:39
 Operator : KP/MD
 Sample : 02588-09
 Misc : 4.69g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ZONE-A-6-9-05022023

Quant Time: May 08 00:25:53 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)

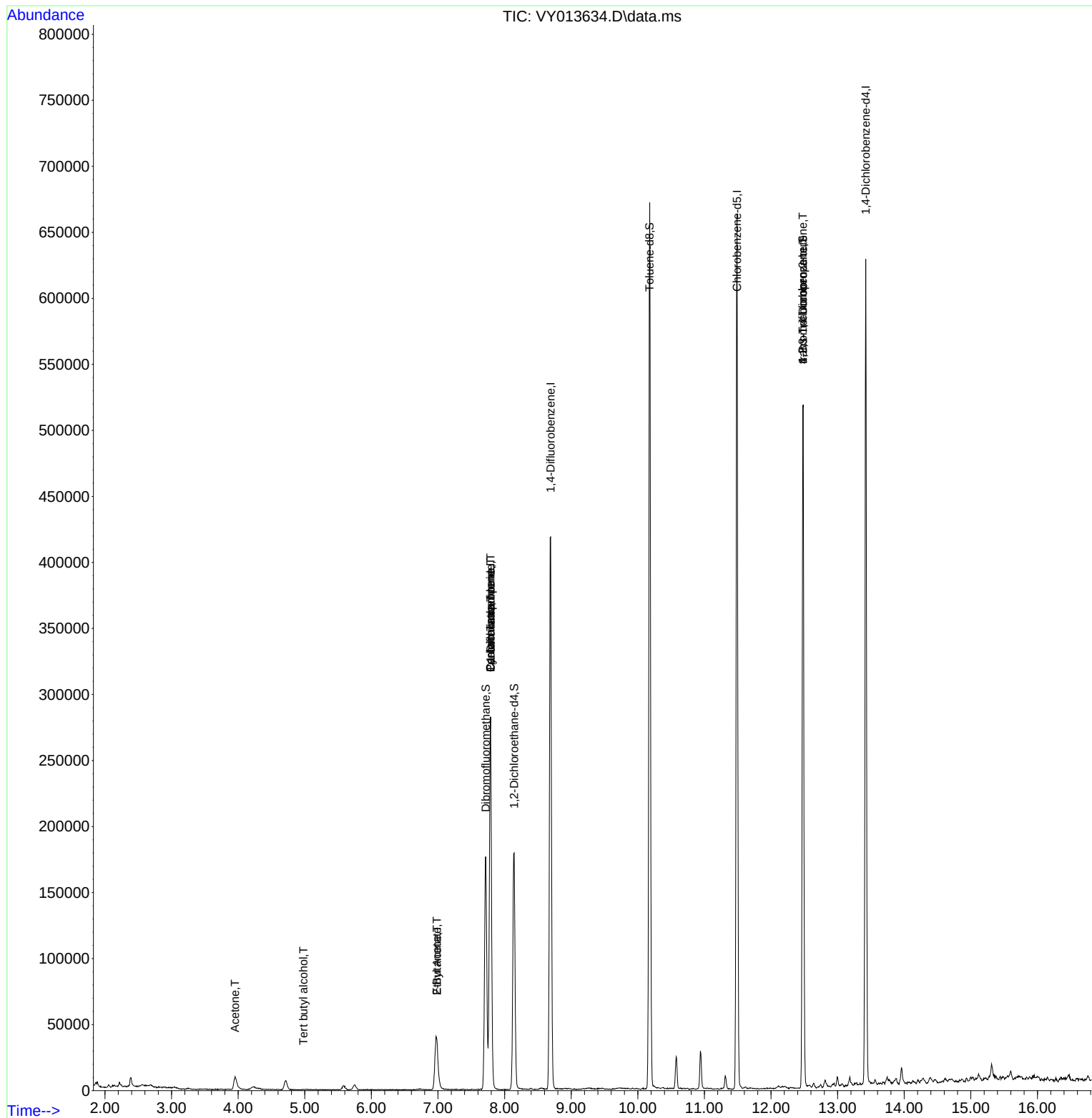
Internal Standards						
1) Pentafluorobenzene	7.789	168	215307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	359064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	349369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	149855	63.491	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.980%	
35) Dibromofluoromethane	7.716	113	119532	52.929	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.860%	
50) Toluene-d8	10.179	98	434267	54.055	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.100%	
62) 4-Bromofluorobenzene	12.477	95	146702	54.165	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.340%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	408	2.181	ug/l #	89
13) Acrolein	3.747	56	325	Below Cal		98
16) Acetone	3.954	43	20212	21.745	ug/l	90
20) Methylene Chloride	4.716	84	4988	Below Cal	#	88
25) 2-Butanone	6.984	43	7905	6.706	ug/l #	87
31) Cyclohexane	7.789	56	4854	1.149	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	16620	4.434	ug/l #	48
37) Ethyl Acetate	6.984	43	7905	2.803	ug/l #	67
38) Carbon Tetrachloride	7.789	117	20977	5.340	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	78692	37.156	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	78692	76.004	ug/l #	13

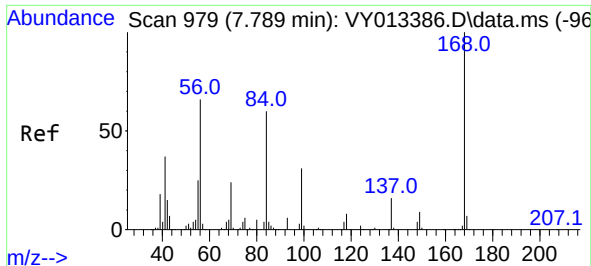
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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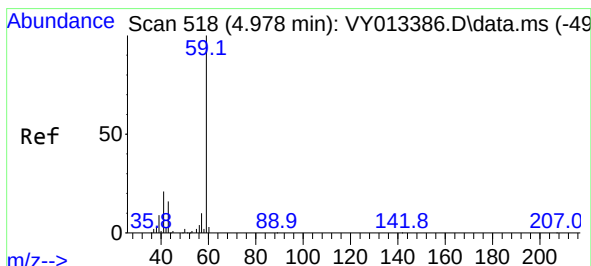
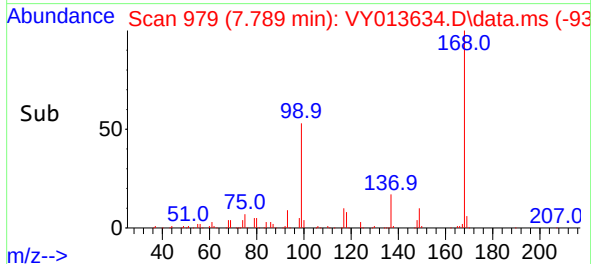
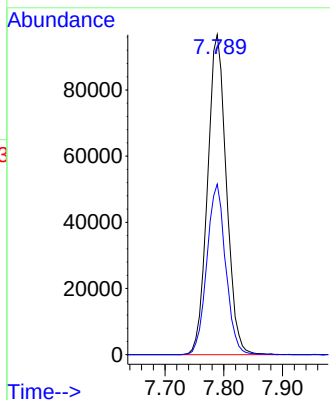
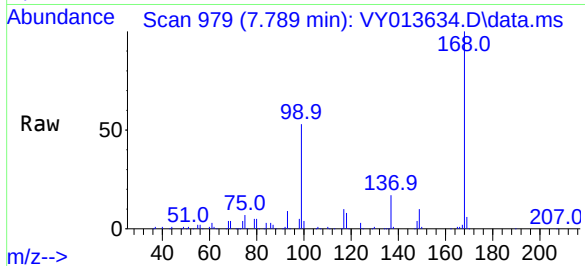




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

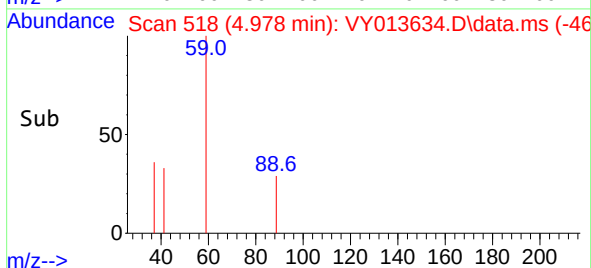
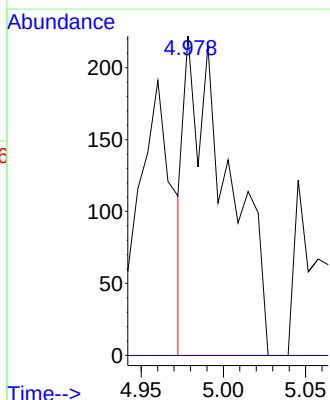
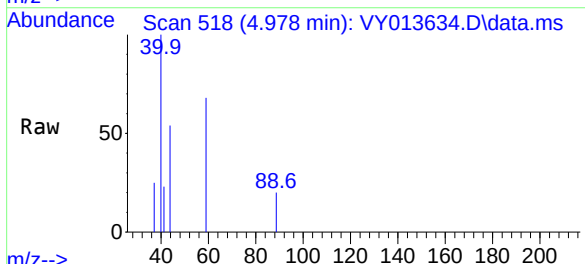
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-A-6-9-05022023

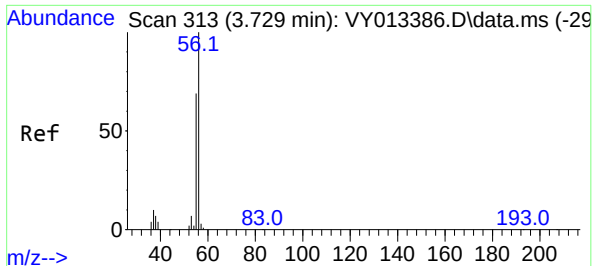
Tgt Ion:168 Resp: 215307
Ion Ratio Lower Upper
168 100
99 53.3 41.8 62.6



#11
Tert butyl alcohol
Concen: 2.181 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

Tgt Ion: 59 Resp: 408
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

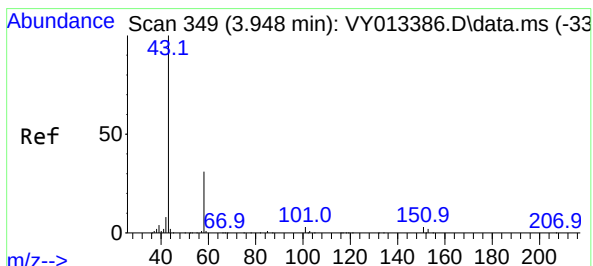
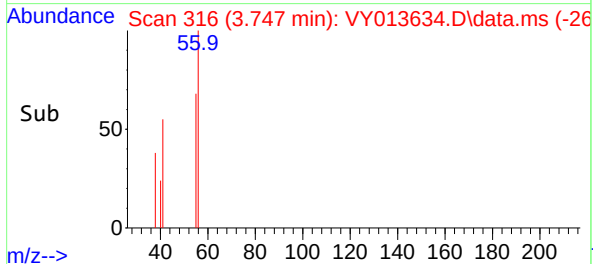
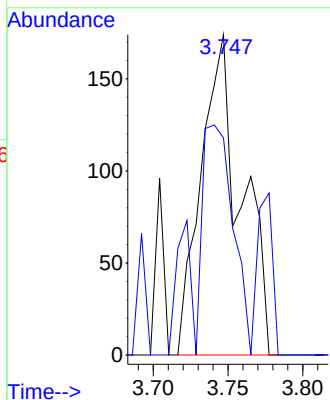
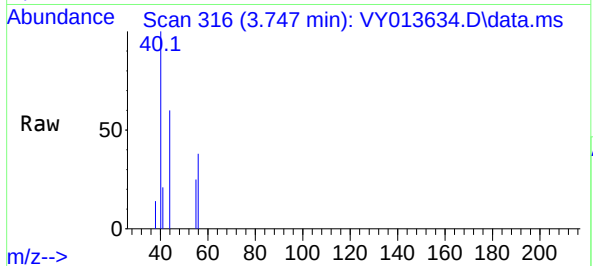




#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 313
Delta R.T. 0.018 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

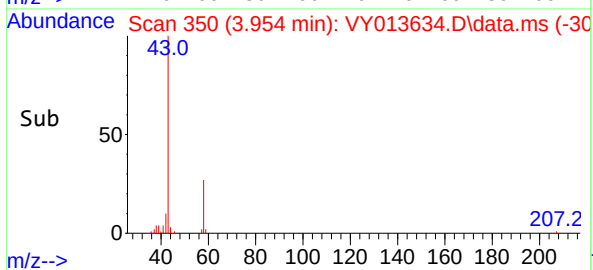
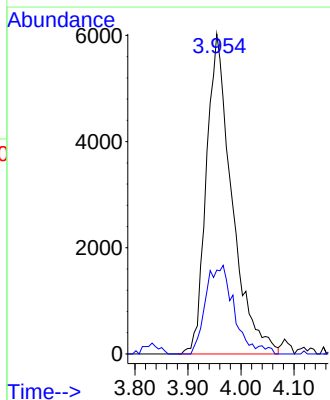
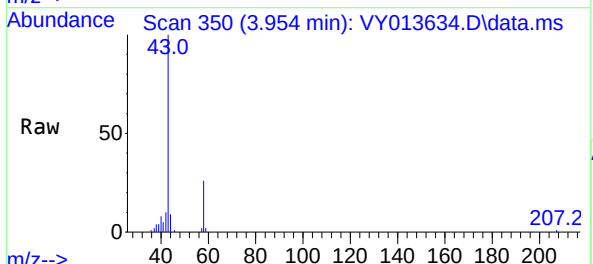
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-A-6-9-05022023

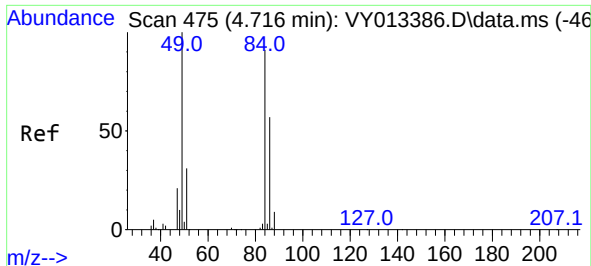
Tgt Ion: 56 Resp: 325
Ion Ratio Lower Upper
56 100
55 69.2 54.1 81.1



#16
Acetone
Concen: 21.745 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

Tgt Ion: 43 Resp: 20212
Ion Ratio Lower Upper
43 100
58 26.2 25.4 38.0



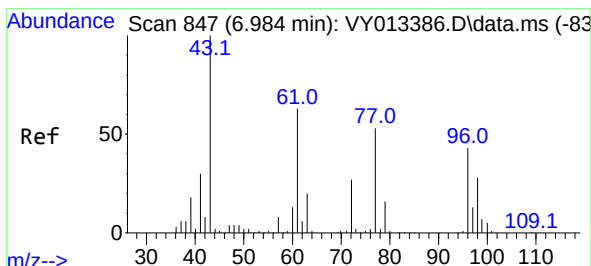
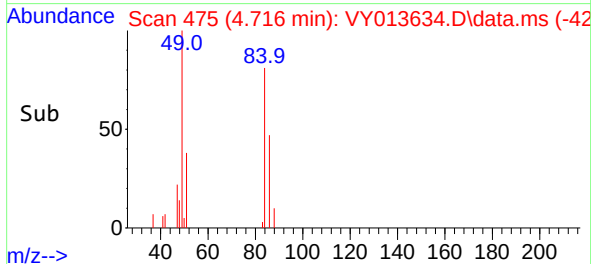
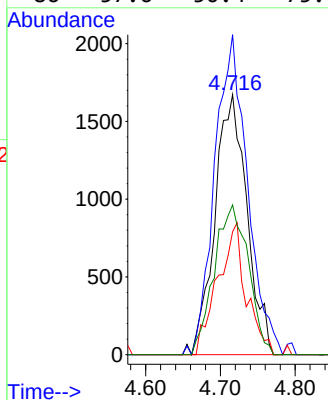
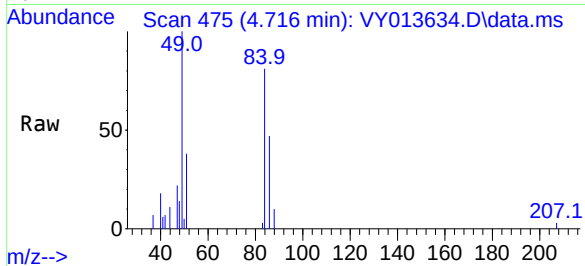


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-A-6-9-05022023

Tgt Ion: 84 Resp: 4988

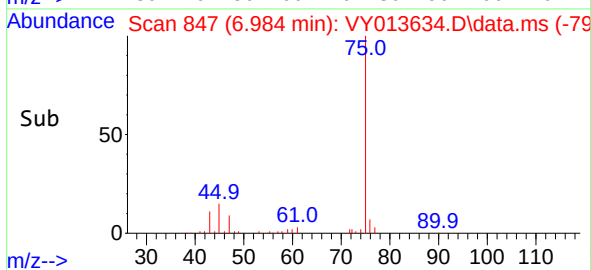
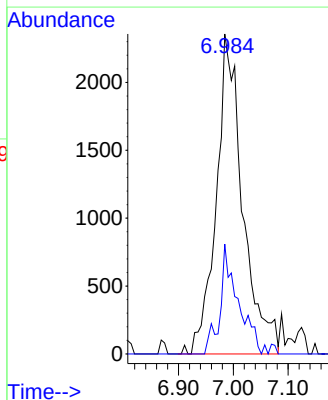
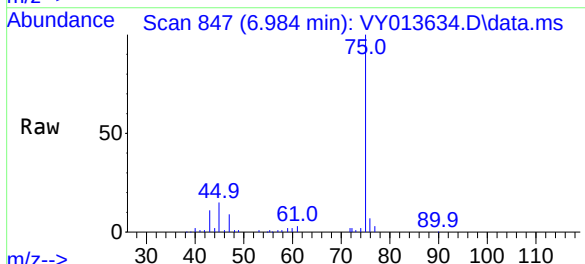
Ion	Ratio	Lower	Upper
84	100		
49	123.1	88.0	132.0
51	47.2	27.4	41.0
86	57.6	50.4	75.6

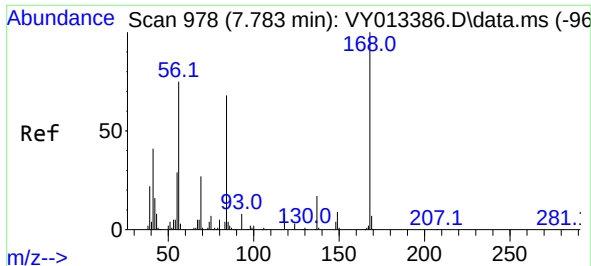


#25
2-Butanone
Concen: 6.706 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

Tgt Ion: 43 Resp: 7905

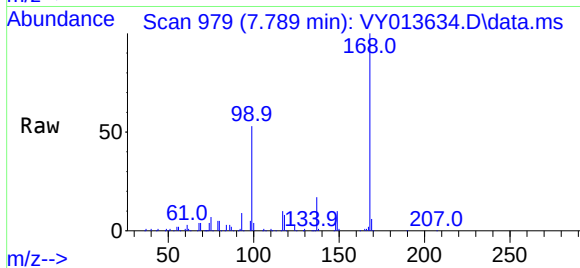
Ion	Ratio	Lower	Upper
43	100		
72	34.4	21.9	32.9



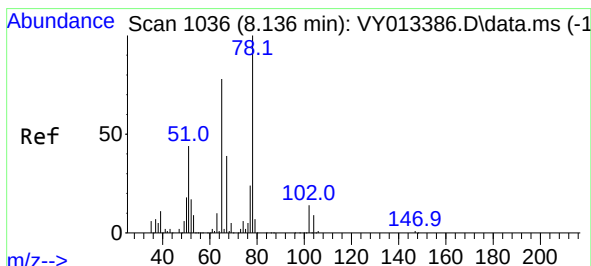
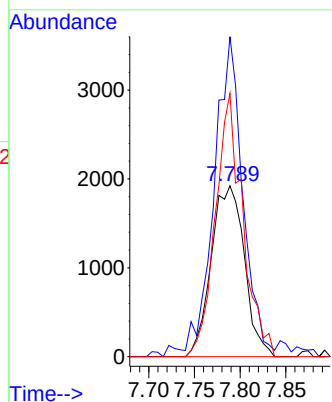
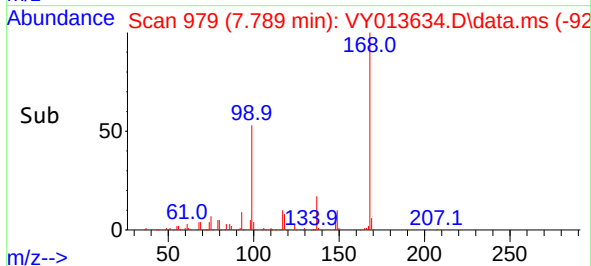


#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

Instrument :
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ClientSampleId :
ZONE-A-6-9-05022023

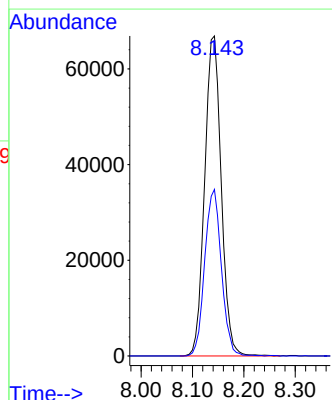
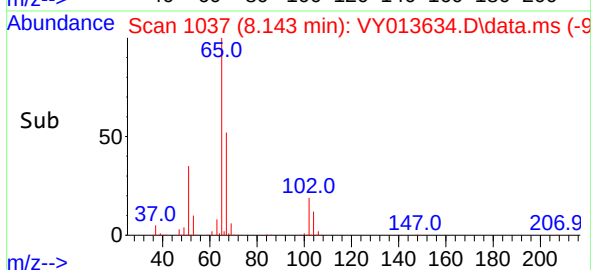
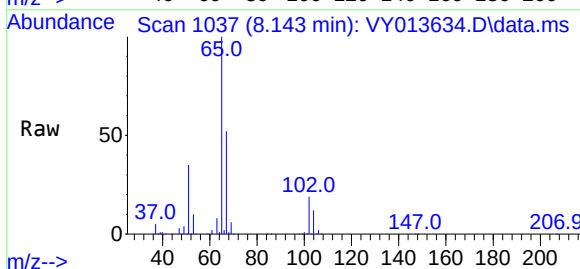


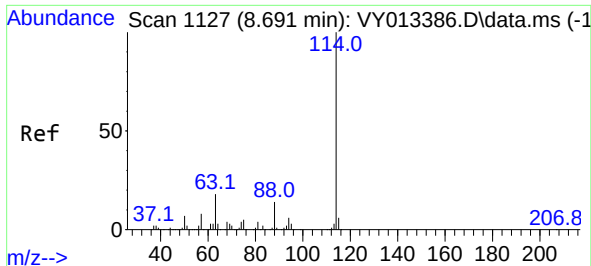
Tgt Ion: 56 Resp: 4854
Ion Ratio Lower Upper
56 100
69 183.3 29.2 43.8#
84 154.1 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 63.491 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

Tgt Ion: 65 Resp: 149855
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4



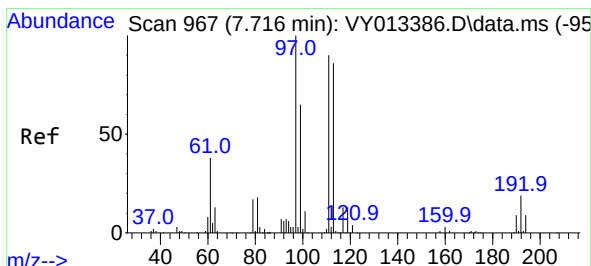
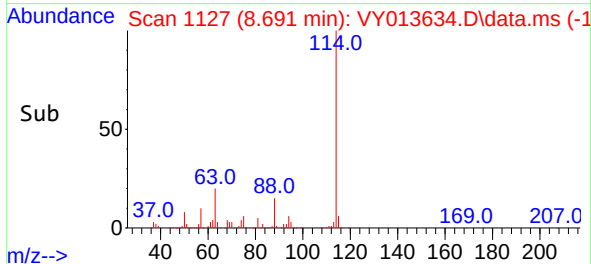
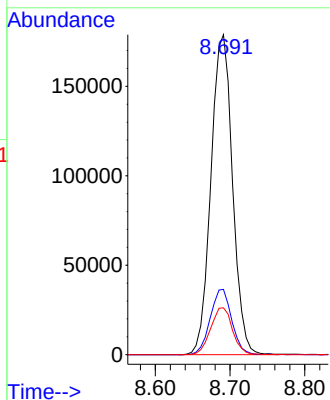
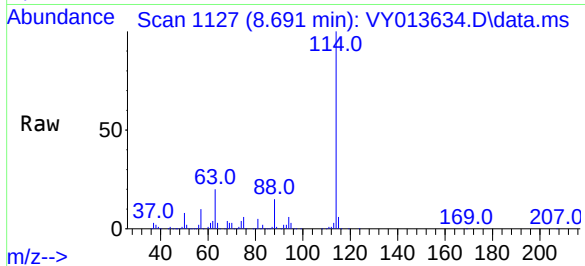


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-A-6-9-05022023

Tgt Ion:114 Resp: 359064

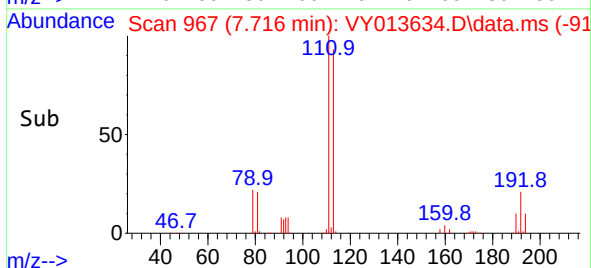
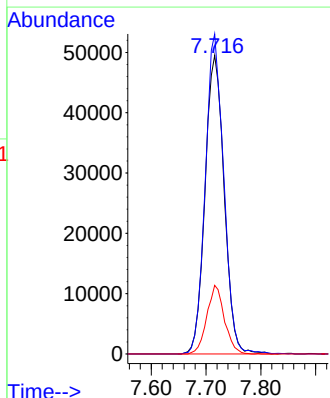
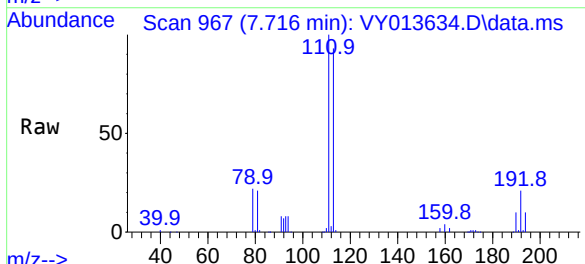
Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	36.6
88	14.7	0.0	28.8

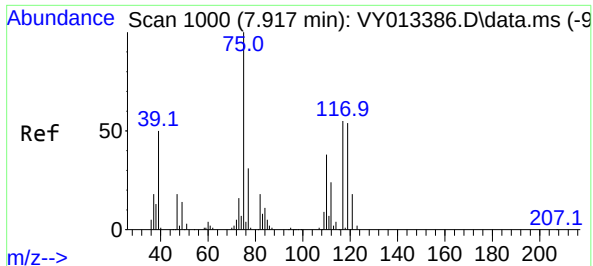


#35
Dibromofluoromethane
Concen: 52.929 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

Tgt Ion:113 Resp: 119532

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.2
192	21.1	16.7	25.1

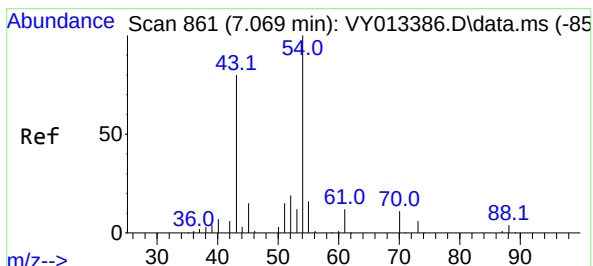
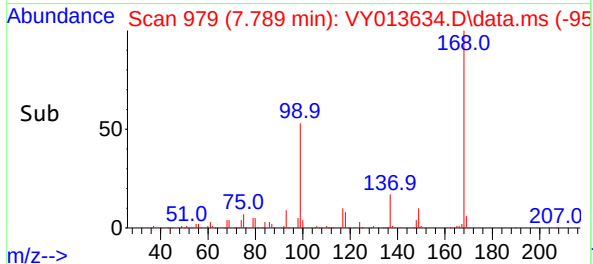
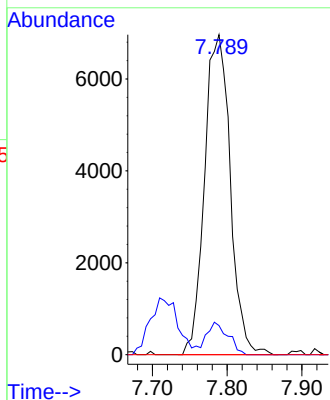
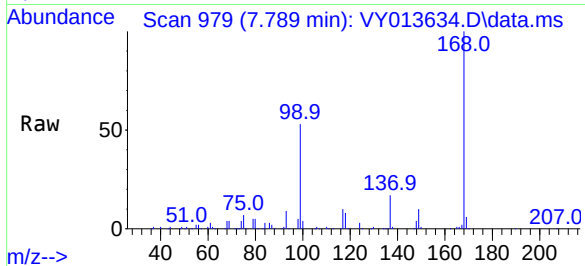




#36
1,1-Dichloropropene
Concen: 4.434 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

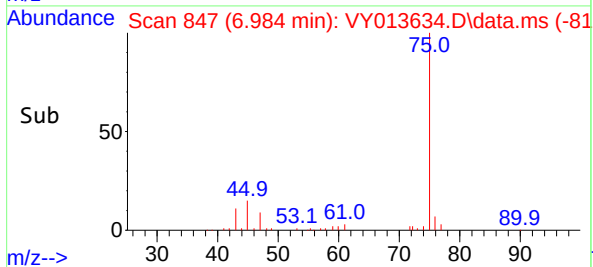
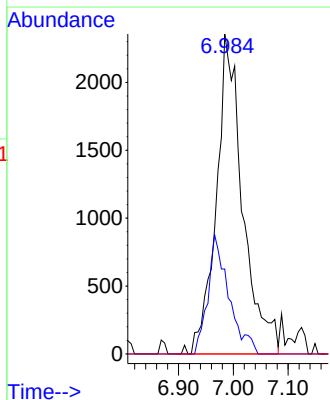
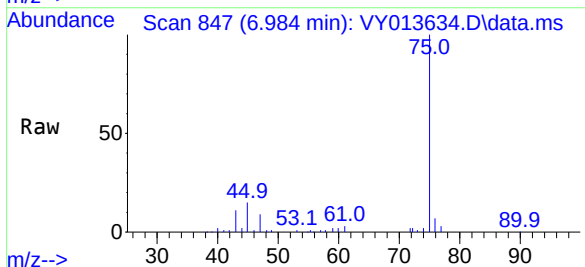
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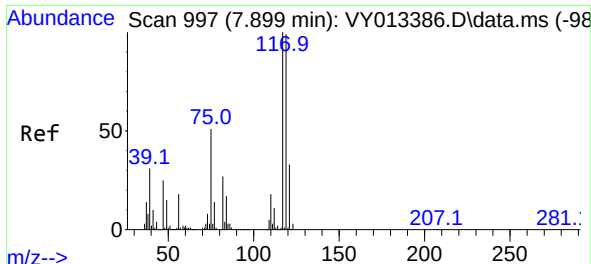
Tgt Ion: 75 Resp: 16620
Ion Ratio Lower Upper
75 100
110 8.2 18.7 56.1#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 2.803 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

Tgt Ion: 43 Resp: 7905
Ion Ratio Lower Upper
43 100
61 29.5 11.4 17.0#
70 0.0 7.9 11.9#

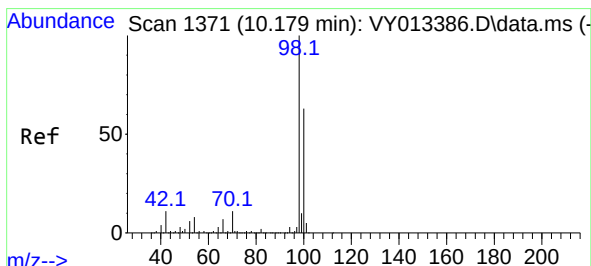
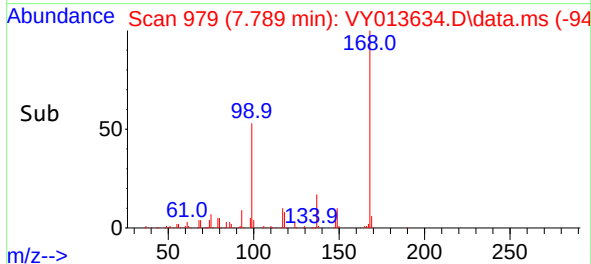
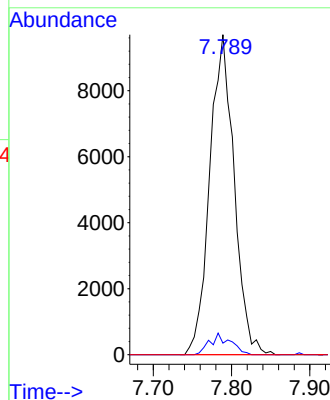
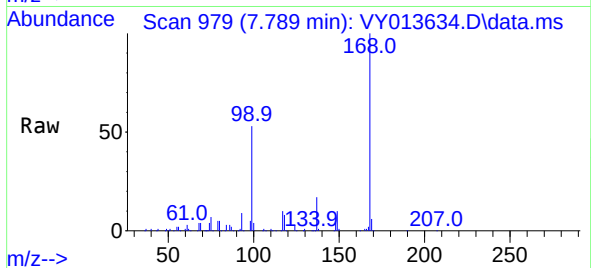




#38
Carbon Tetrachloride
Concen: 5.340 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

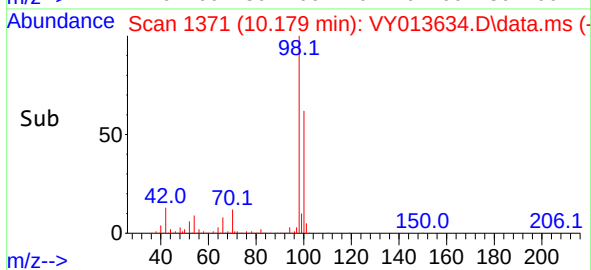
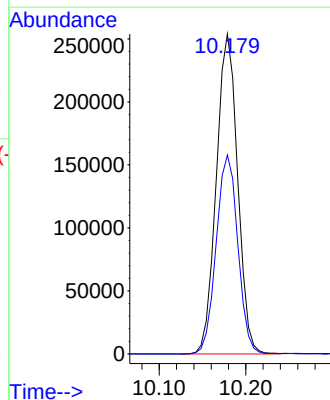
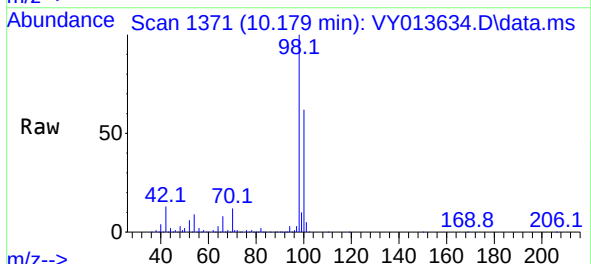
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-A-6-9-05022023

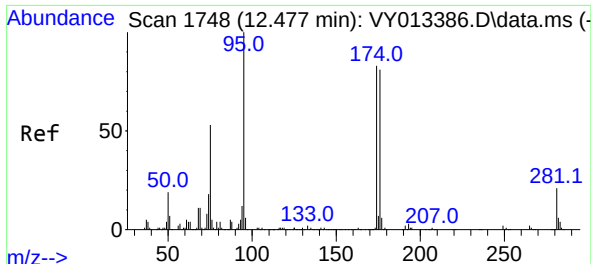
Tgt Ion:117 Resp: 20977
Ion Ratio Lower Upper
117 100
119 3.6 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 54.055 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

Tgt Ion: 98 Resp: 434267
Ion Ratio Lower Upper
98 100
100 63.1 50.5 75.7

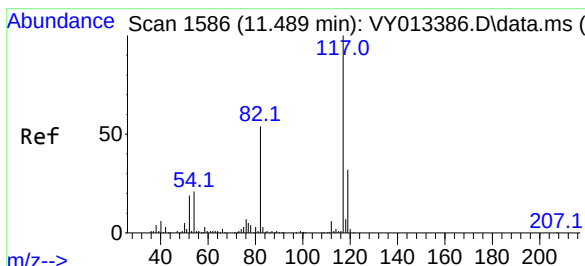
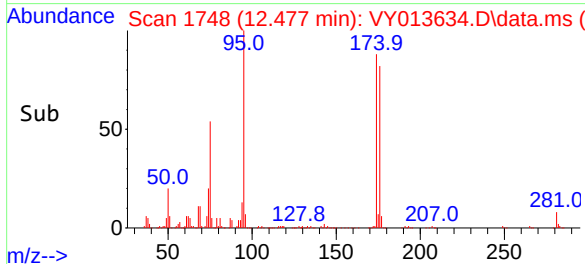
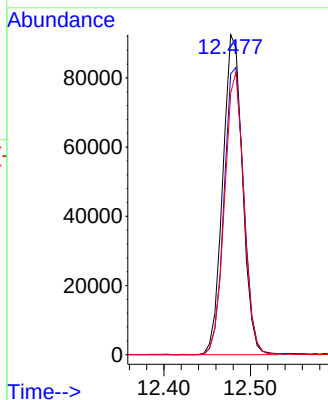
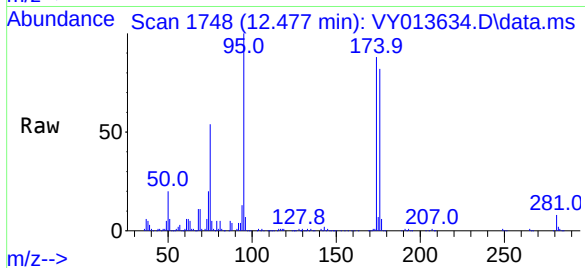




#62
4-Bromofluorobenzene
Concen: 54.165 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

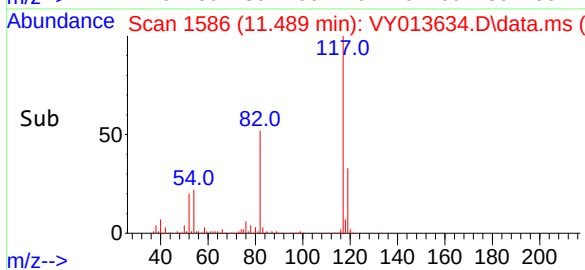
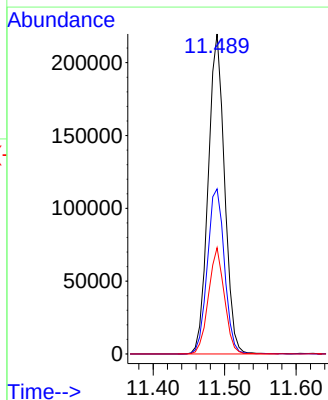
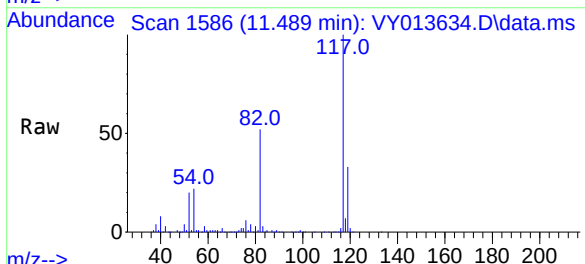
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-A-6-9-05022023

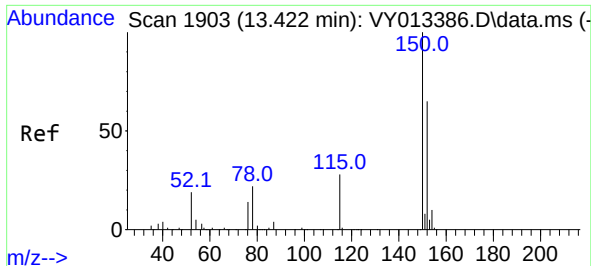
Tgt Ion: 95 Resp: 146702
Ion Ratio Lower Upper
95 100
174 90.0 0.0 182.0
176 86.5 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

Tgt Ion: 117 Resp: 349369
Ion Ratio Lower Upper
117 100
82 51.6 43.0 64.6
119 33.2 25.5 38.3

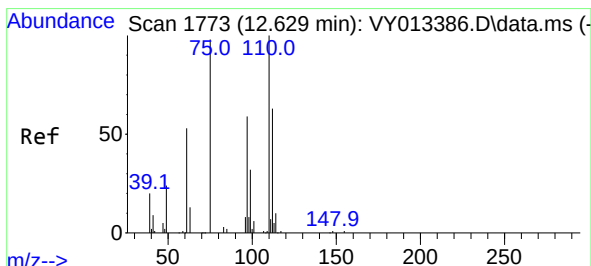
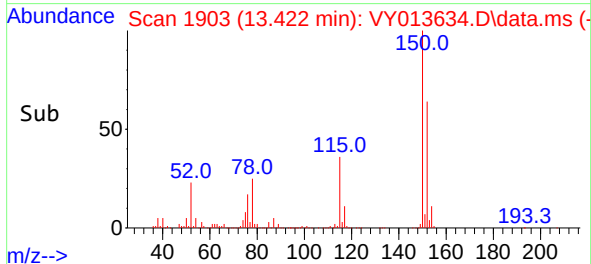
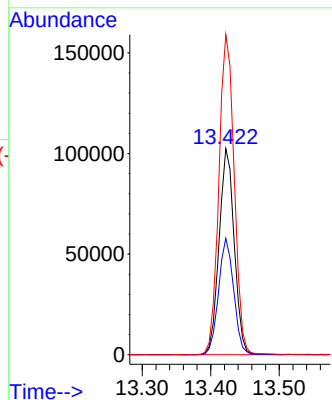
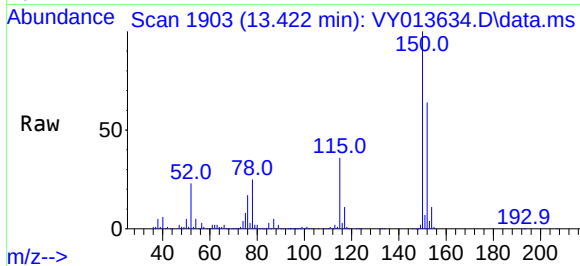




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

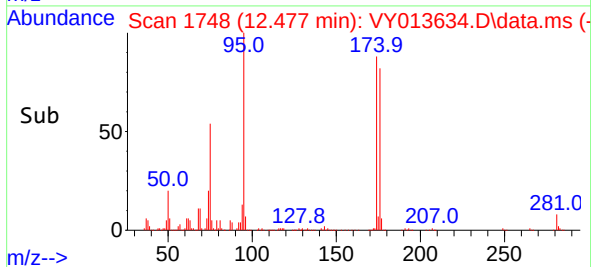
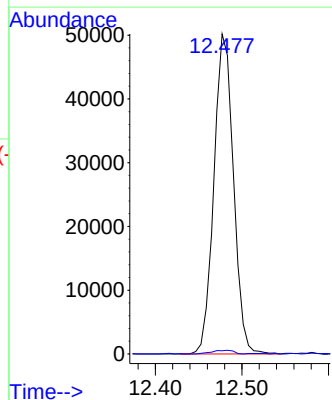
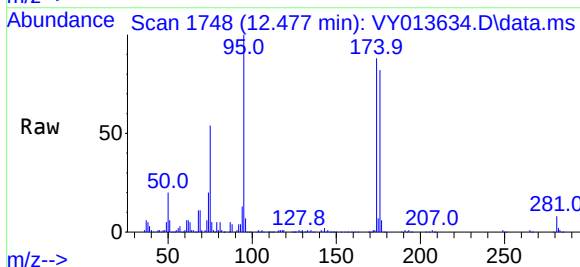
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-A-6-9-05022023

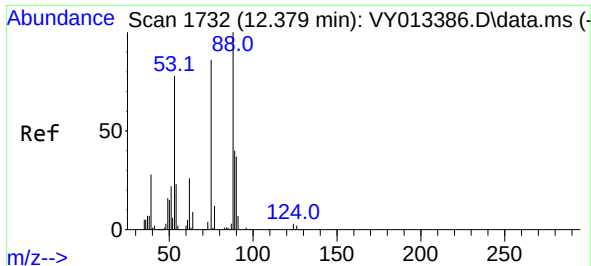
Tgt Ion:152 Resp: 157041
Ion Ratio Lower Upper
152 100
115 56.3 28.1 84.2
150 157.5 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 37.156 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013634.D
Acq: 05 May 2023 18:39

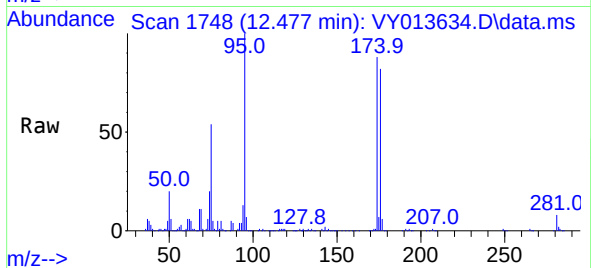
Tgt Ion: 75 Resp: 78692
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.004 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013634.D
 Acq: 05 May 2023 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 ZONE-A-6-9-05022023



Tgt Ion: 75 Resp: 78692
 Ion Ratio Lower Upper
 75 100
 53 0.4 73.2 109.8#
 89 0.2 38.0 57.0#

