

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042523\
 Data File : VY013453.D
 Acq On : 25 Apr 2023 17:50
 Operator : KP/MD
 Sample : 02427-03RE
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230306-28-4

Quant Time: Apr 26 02:52:47 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)

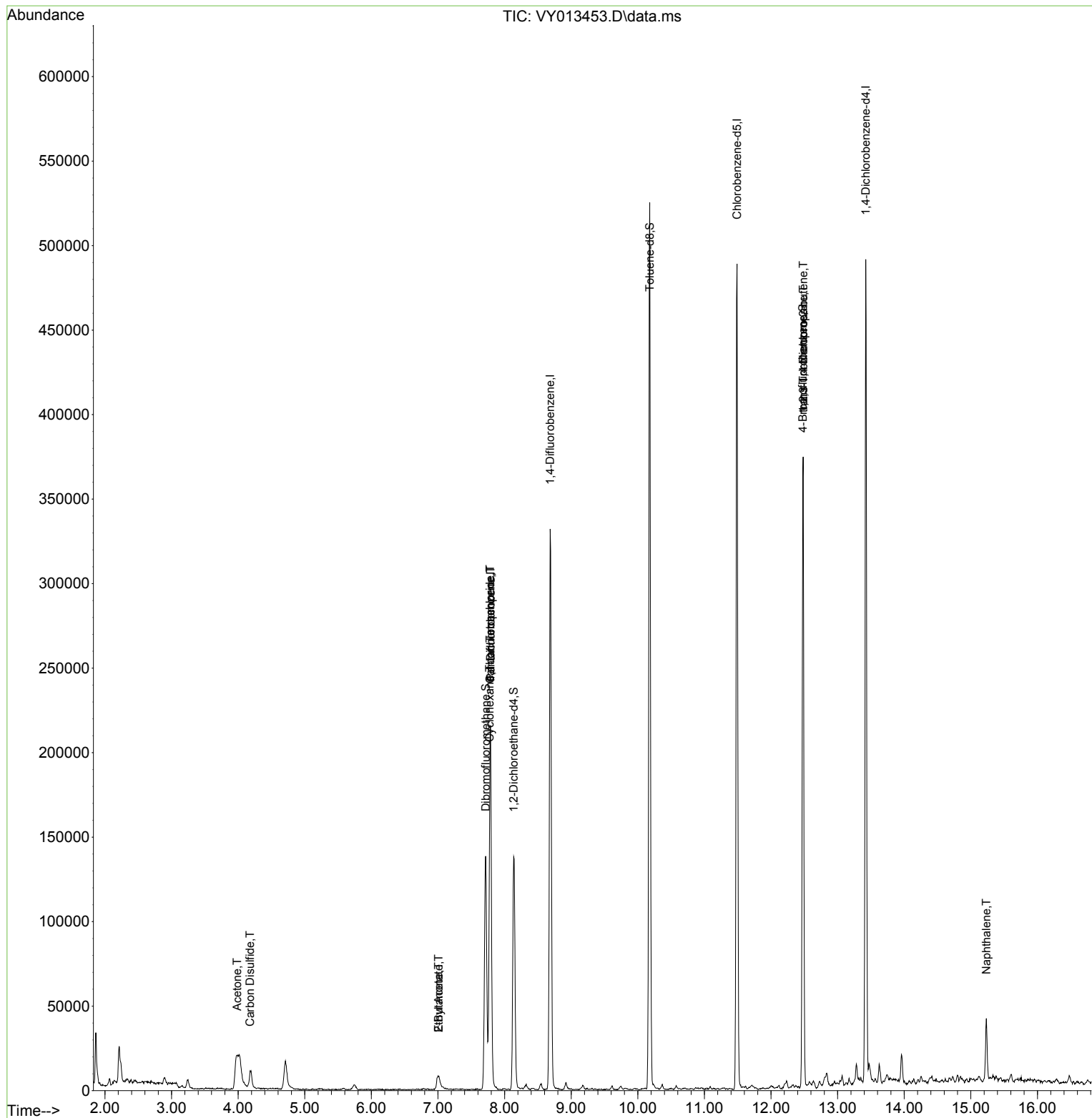
Internal Standards						
1) Pentafluorobenzene	7.789	168	165850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	278838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	264530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	126149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114750	63.116	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.240%	
35) Dibromofluoromethane	7.716	113	97282	55.470	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.940%	
50) Toluene-d8	10.179	98	339201	54.369	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.740%	
62) 4-Bromofluorobenzene	12.477	95	108185	51.437	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.880%	
Target Compounds						Qvalue
13) Acrolein	3.735	56	630	Below Cal	89	
16) Acetone	3.985	43	65382	91.318	ug/l	89
17) Carbon Disulfide	4.180	76	20459	3.654	ug/l	98
20) Methylene Chloride	4.704	84	11657	Below Cal	89	
25) 2-Butanone	7.009	43	15120	16.652	ug/l	99
31) Cyclohexane	7.777	56	4306	1.323	ug/l #	63
36) 1,1-Dichloropropene	7.789	75	12928	4.442	ug/l #	50
37) Ethyl Acetate	7.009	43	15120	6.903	ug/l #	69
38) Carbon Tetrachloride	7.783	117	16007	5.247	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	57341	33.705	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57341	68.945	ug/l #	13
95) Naphthalene	15.233	128	28476	5.534	ug/l	99

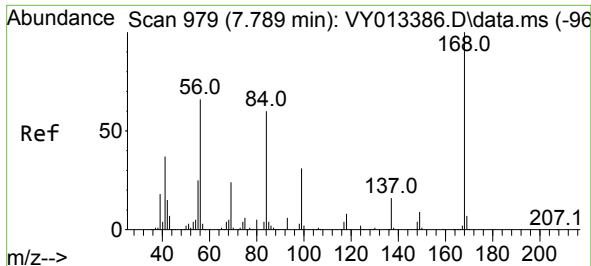
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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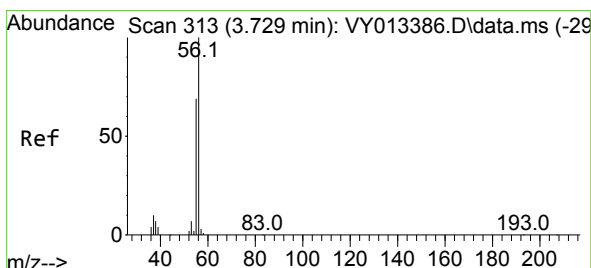
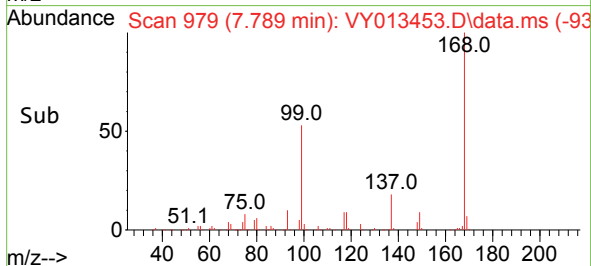
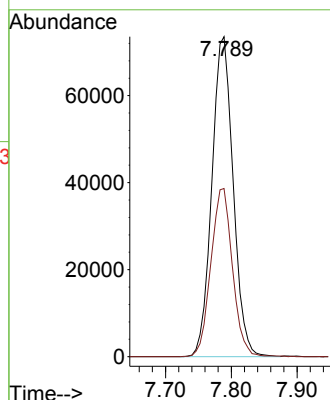
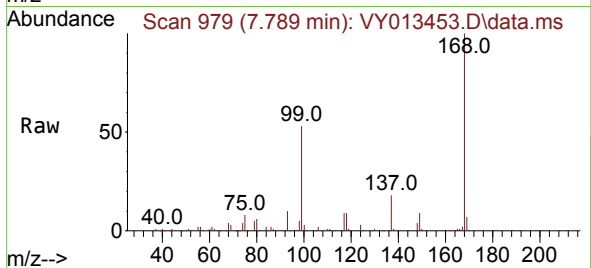




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013453.D
Acq: 25 Apr 2023 17:50

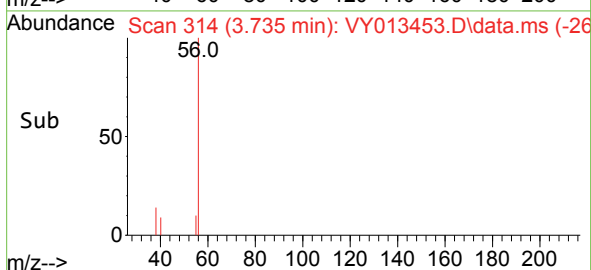
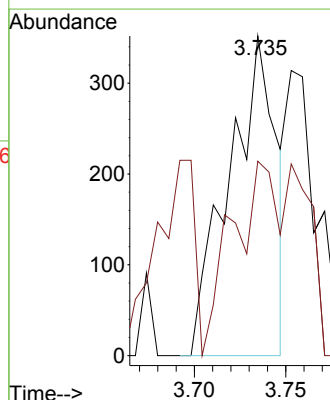
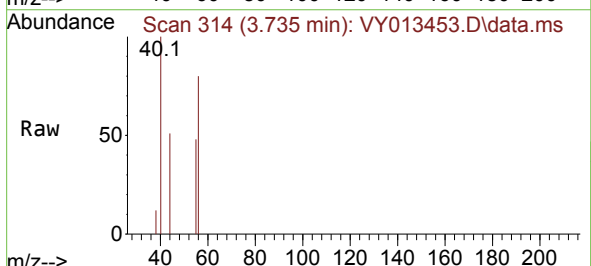
Instrument :
MSVOA_Y
ClientSampleId :
20230306-28-4

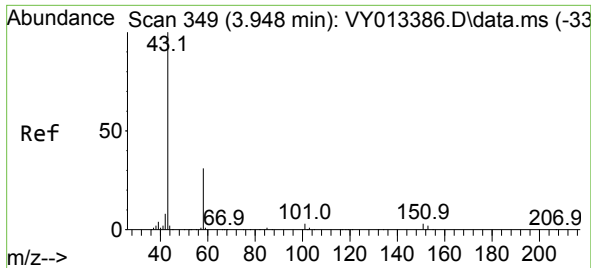
Tgt Ion:168 Resp: 165850
Ion Ratio Lower Upper
168 100
99 52.6 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 314
Delta R.T. 0.006 min
Lab File: VY013453.D
Acq: 25 Apr 2023 17:50

Tgt Ion: 56 Resp: 630
Ion Ratio Lower Upper
56 100
55 59.0 54.1 81.1





#16

Acetone

Concen: 91.318 ug/l

RT: 3.985 min Scan# 3

Delta R.T. 0.037 min

Lab File: VY013453.D

Acq: 25 Apr 2023 17:50

Instrument :

MSVOA_Y

ClientSampleId :

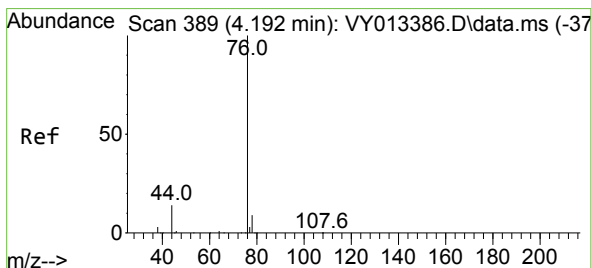
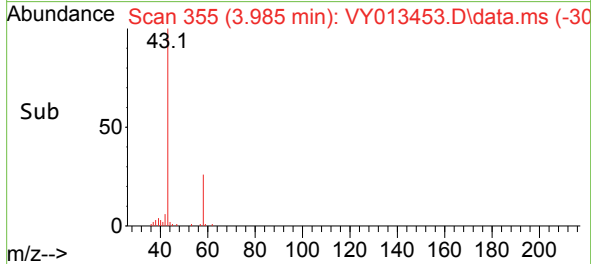
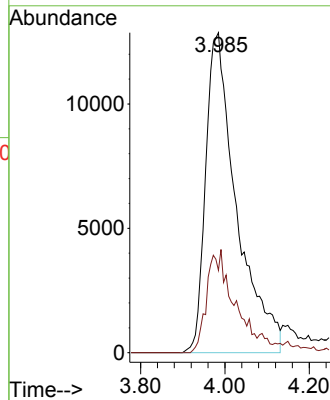
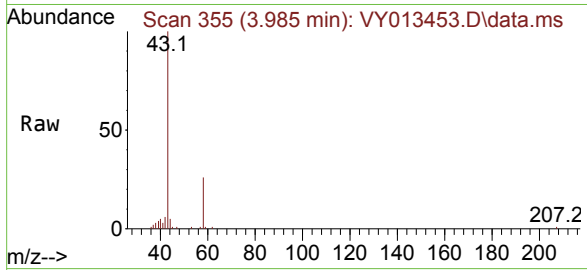
20230306-28-4

Tgt Ion: 43 Resp: 65382

Ion Ratio Lower Upper

43 100

58 25.8 25.4 38.0



#17

Carbon Disulfide

Concen: 3.654 ug/l

RT: 4.180 min Scan# 387

Delta R.T. -0.012 min

Lab File: VY013453.D

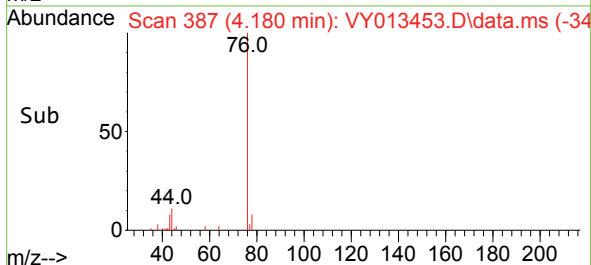
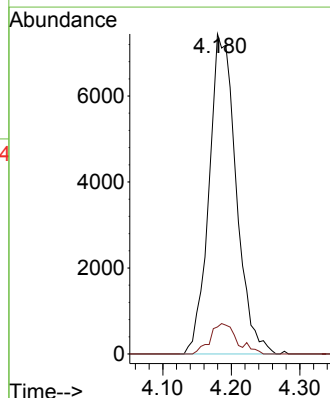
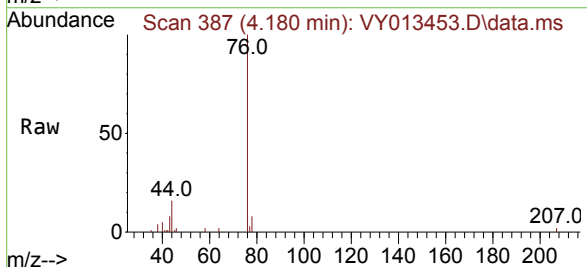
Acq: 25 Apr 2023 17:50

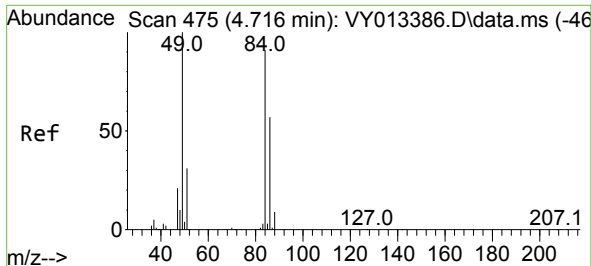
Tgt Ion: 76 Resp: 20459

Ion Ratio Lower Upper

76 100

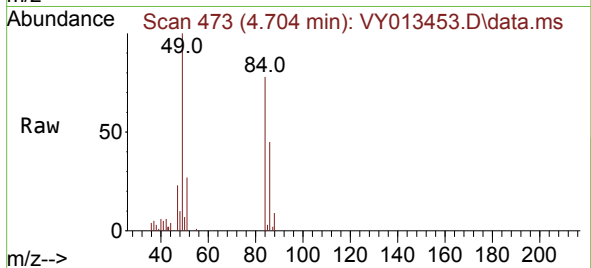
78 8.4 7.2 10.8



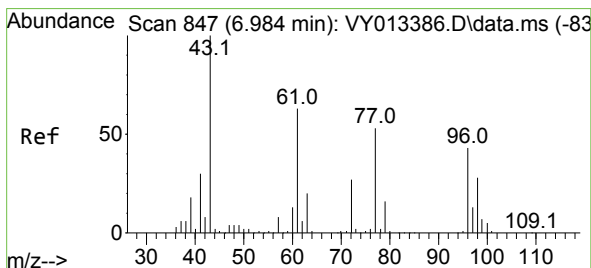
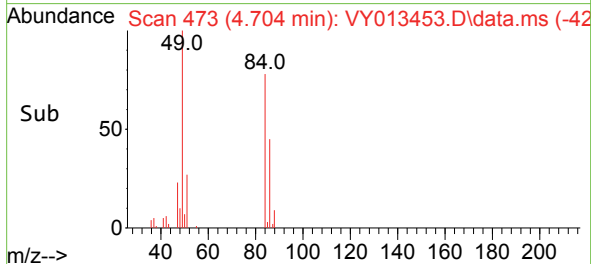
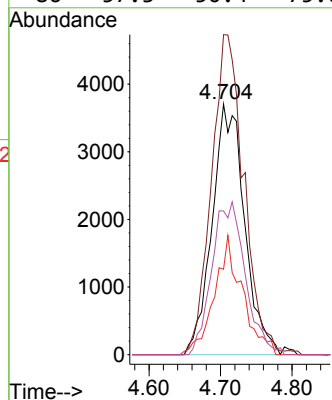


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013453.D
Acq: 25 Apr 2023 17:50

Instrument :
MSVOA_Y
ClientSampleId :
20230306-28-4

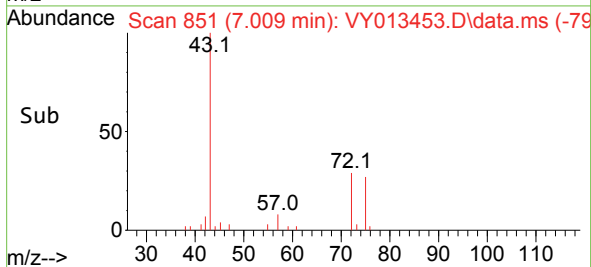
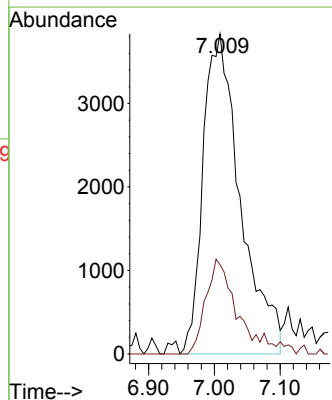
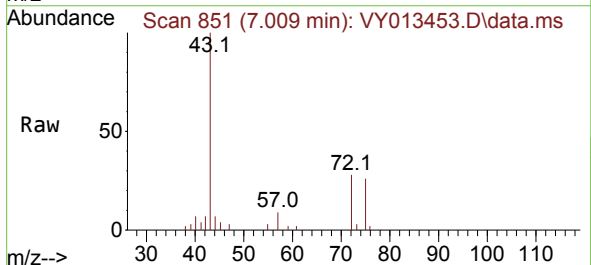


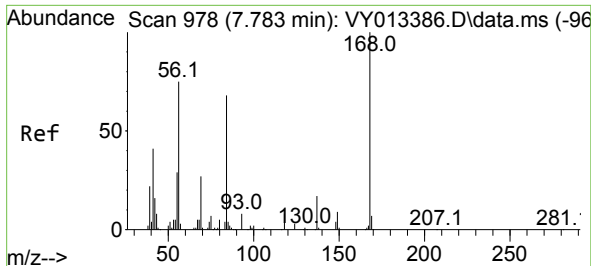
Tgt Ion:	84	Resp:	11657
Ion	Ratio	Lower	Upper
84	100		
49	127.7	88.0	132.0
51	34.1	27.4	41.0
86	57.3	50.4	75.6



#25
2-Butanone
Concen: 16.652 ug/l
RT: 7.009 min Scan# 851
Delta R.T. 0.025 min
Lab File: VY013453.D
Acq: 25 Apr 2023 17:50

Tgt Ion:	43	Resp:	15120
Ion	Ratio	Lower	Upper
43	100		
72	27.9	21.9	32.9

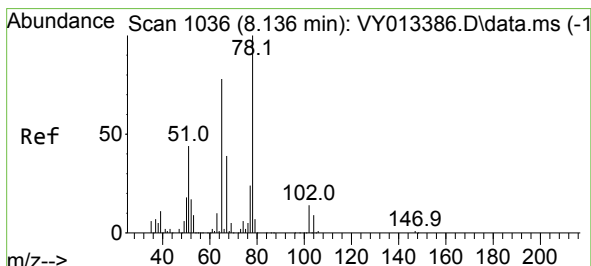
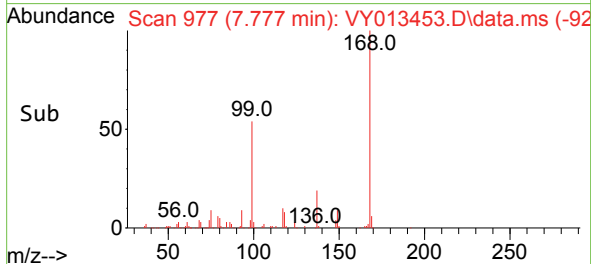
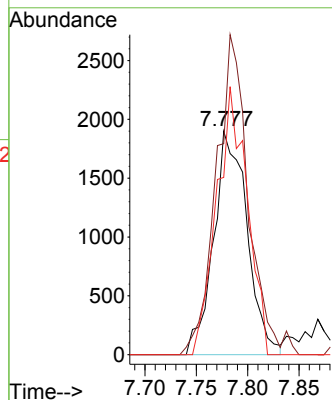
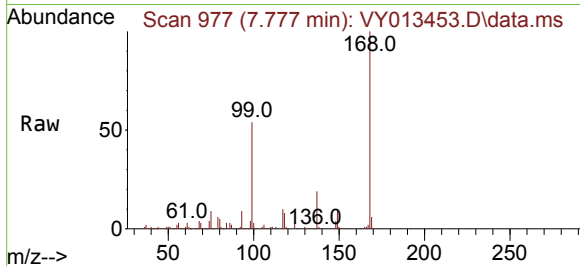




#31
Cyclohexane
Concen: 1.323 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013453.D
Acq: 25 Apr 2023 17:50

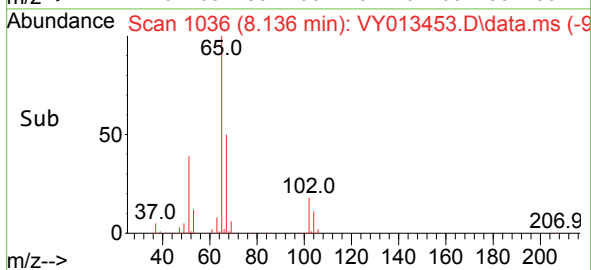
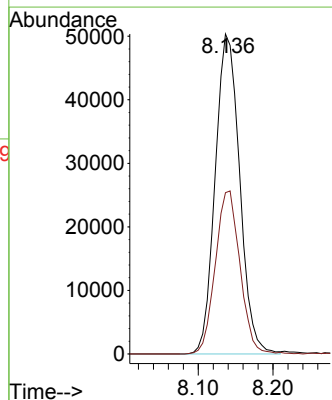
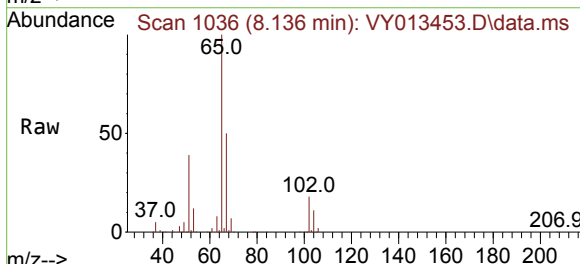
Instrument :
MSVOA_Y
ClientSampleId :
20230306-28-4

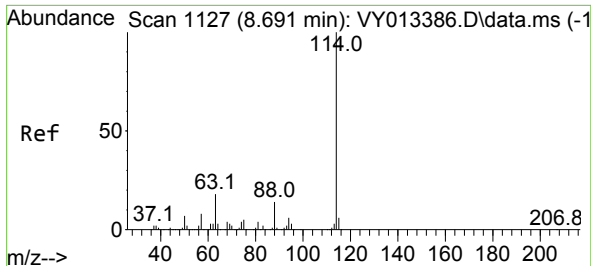
Tgt Ion: 56 Resp: 4306
Ion Ratio Lower Upper
56 100
69 94.4 29.2 43.8#
84 79.3 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 63.116 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013453.D
Acq: 25 Apr 2023 17:50

Tgt Ion: 65 Resp: 114750
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.4

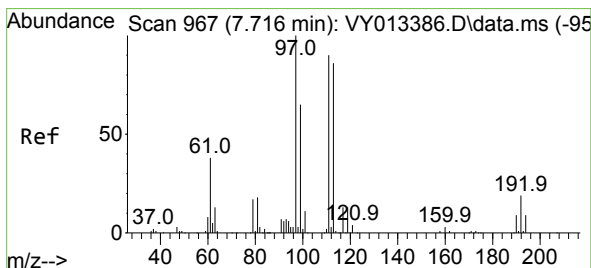
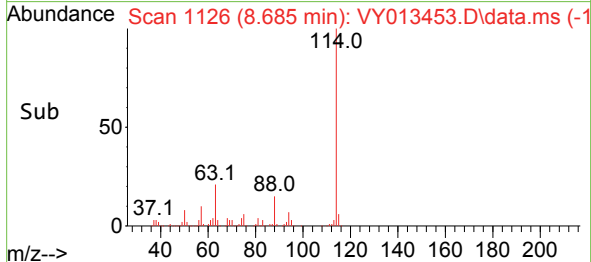
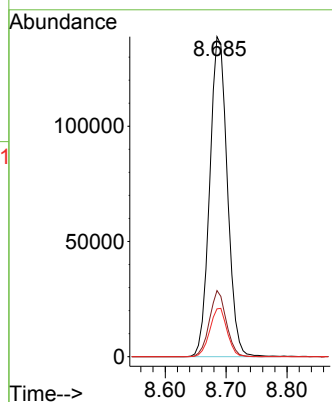
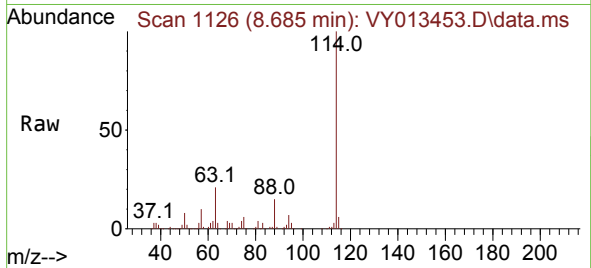




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013453.D
Acq: 25 Apr 2023 17:50

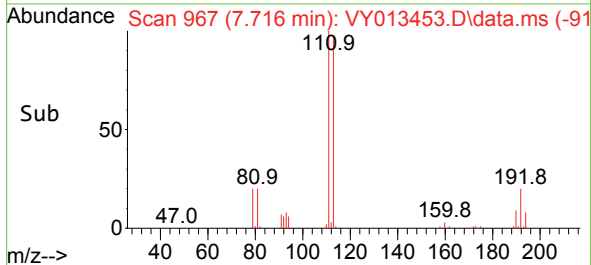
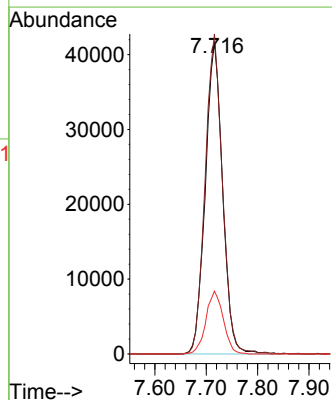
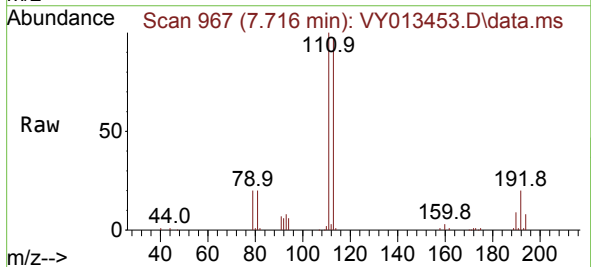
Instrument :
MSVOA_Y
ClientSampleId :
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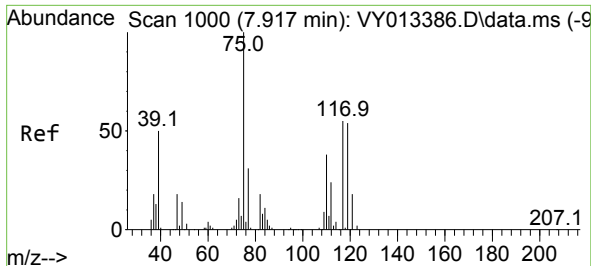
Tgt Ion:114 Resp: 278838
Ion Ratio Lower Upper
114 100
63 20.7 0.0 36.6
88 15.0 0.0 28.8



#35
Dibromofluoromethane
Concen: 55.470 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013453.D
Acq: 25 Apr 2023 17:50

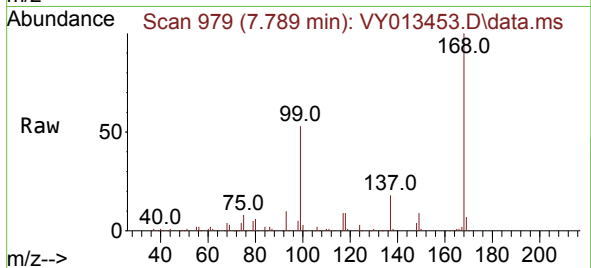
Tgt Ion:113 Resp: 97282
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 20.3 16.7 25.1



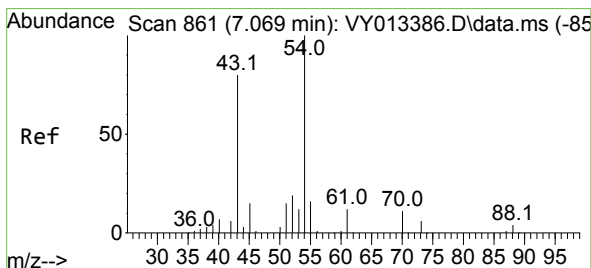
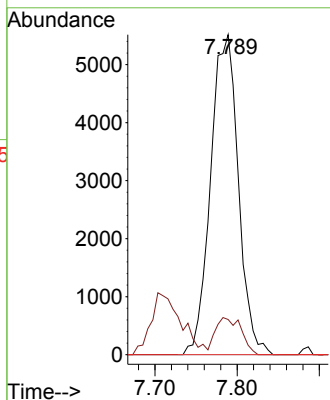
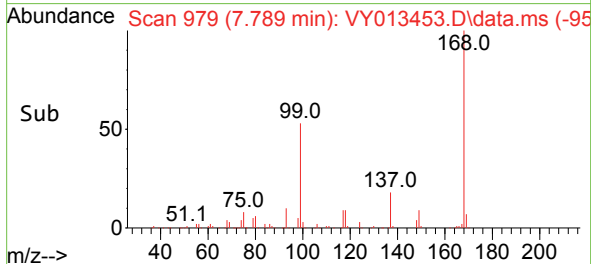


#36
1,1-Dichloropropene
Concen: 4.442 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013453.D
Acq: 25 Apr 2023 17:50

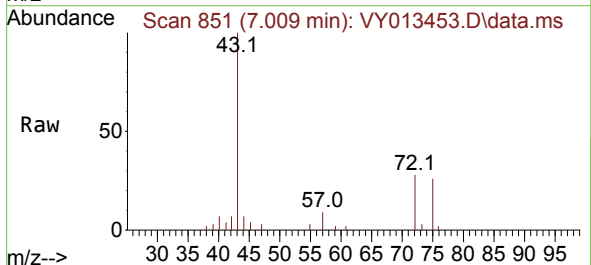
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MSVOA_Y
ClientSampleId :
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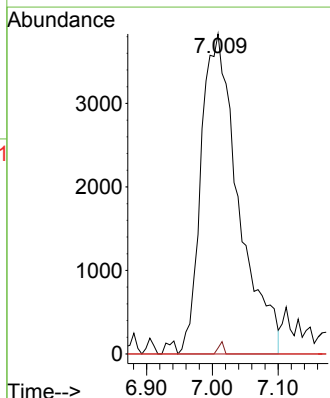
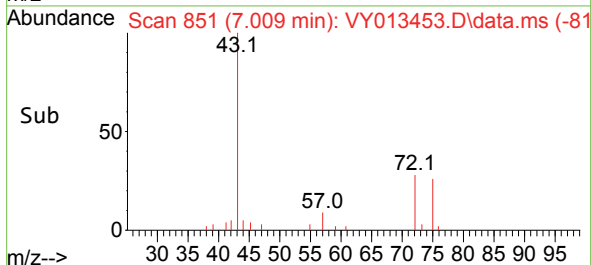
Tgt Ion: 75 Resp: 12928
Ion Ratio Lower Upper
75 100
110 10.8 18.7 56.1#
77 0.0 24.6 37.0#

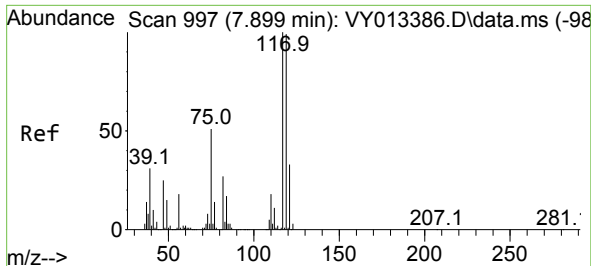


#37
Ethyl Acetate
Concen: 6.903 ug/l
RT: 7.009 min Scan# 851
Delta R.T. -0.060 min
Lab File: VY013453.D
Acq: 25 Apr 2023 17:50



Tgt Ion: 43 Resp: 15120
Ion Ratio Lower Upper
43 100
61 0.5 11.4 17.0#
70 0.0 7.9 11.9#

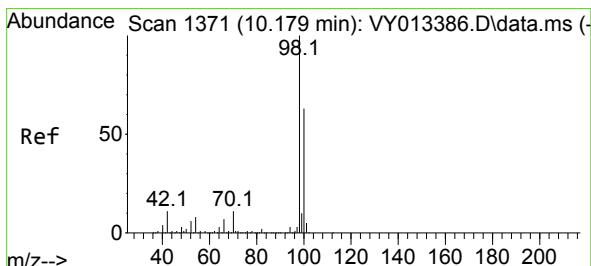
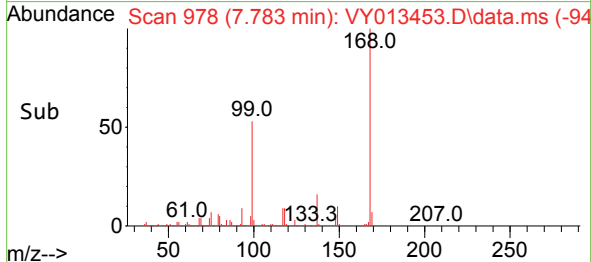
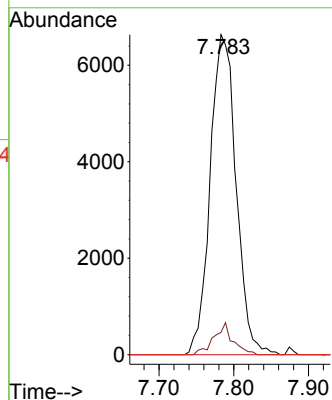
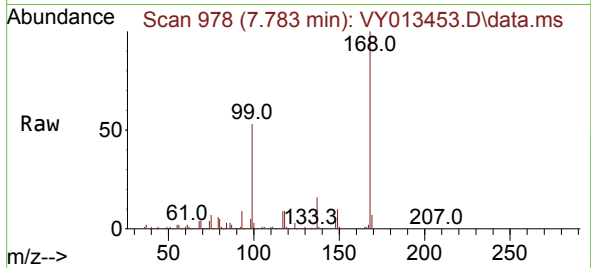




#38
Carbon Tetrachloride
Concen: 5.247 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013453.D
Acq: 25 Apr 2023 17:50

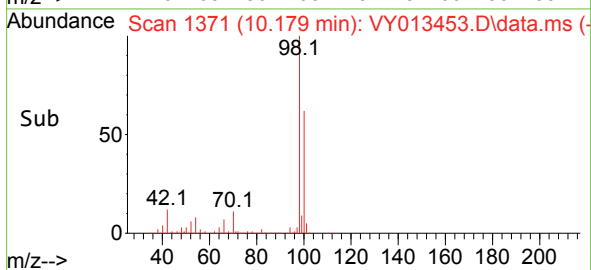
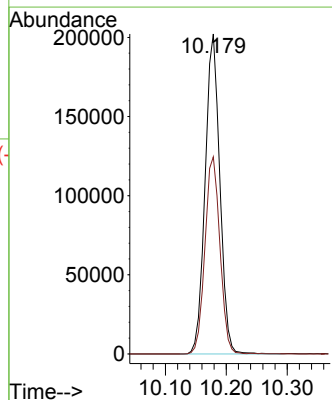
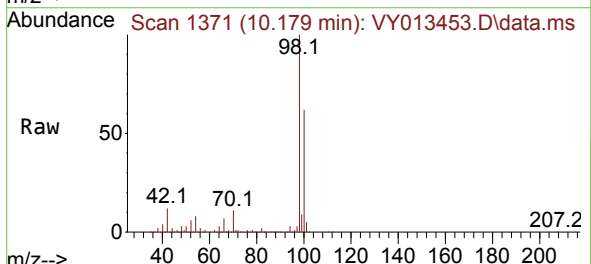
Instrument :
MSVOA_Y
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20230306-28-4

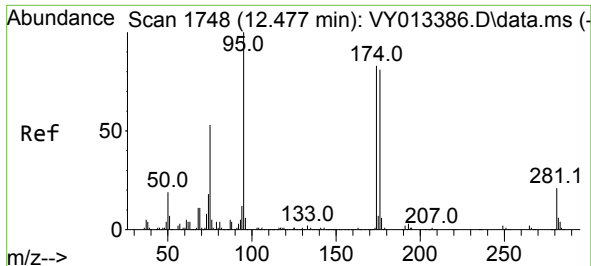
Tgt Ion:117 Resp: 16007
Ion Ratio Lower Upper
117 100
119 7.0 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 54.369 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013453.D
Acq: 25 Apr 2023 17:50

Tgt Ion: 98 Resp: 339201
Ion Ratio Lower Upper
98 100
100 62.7 50.5 75.7

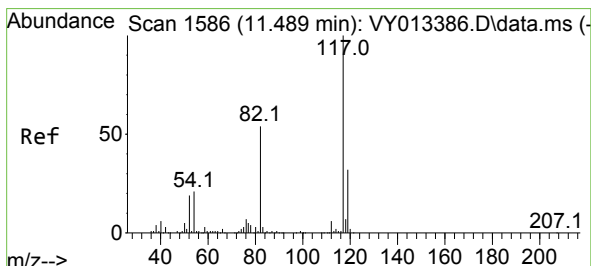
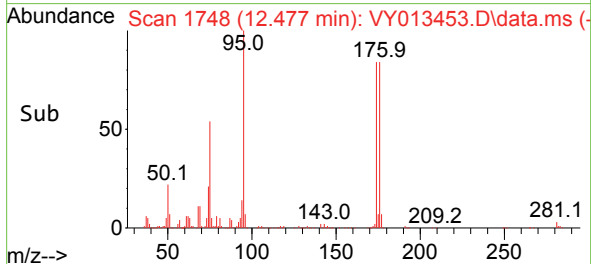
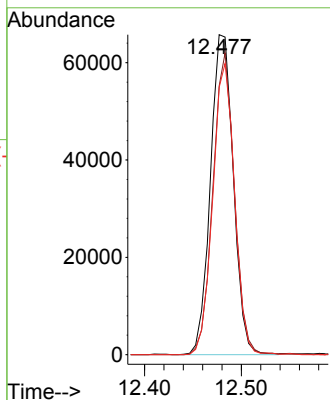
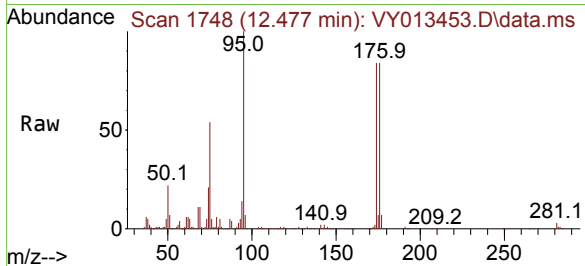




#62
4-Bromofluorobenzene
Concen: 51.437 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY013453.D
Acq: 25 Apr 2023 17:50

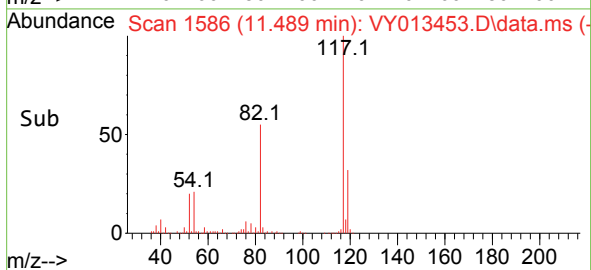
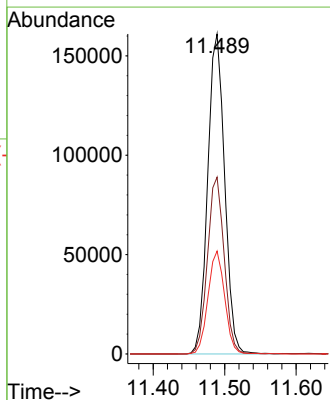
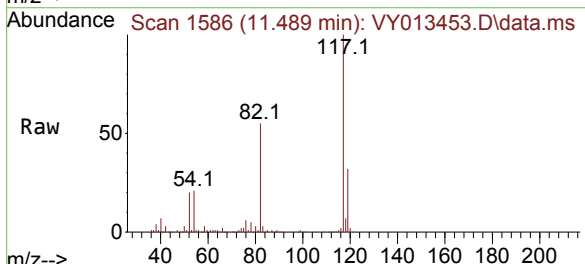
Instrument :
MSVOA_Y
ClientSampleId :
20230306-28-4

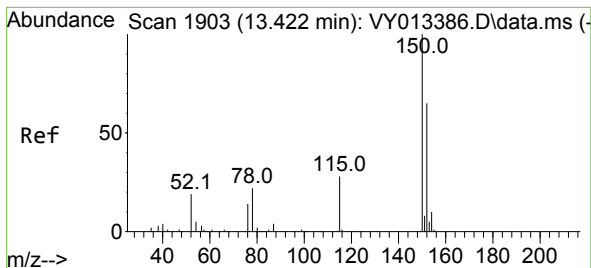
Tgt Ion: 95 Resp: 108185
Ion Ratio Lower Upper
95 100
174 88.1 0.0 182.0
176 86.5 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013453.D
Acq: 25 Apr 2023 17:50

Tgt Ion: 117 Resp: 264530
Ion Ratio Lower Upper
117 100
82 55.3 43.0 64.6
119 32.2 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: VY013453.D

Acq: 25 Apr 2023 17:50

Instrument :

MSVOA_Y

ClientSampleId :

20230306-28-4

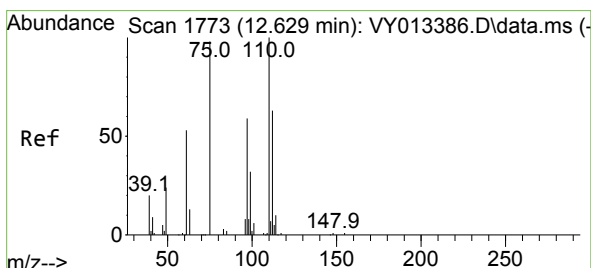
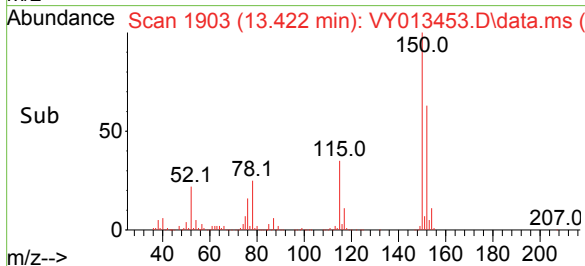
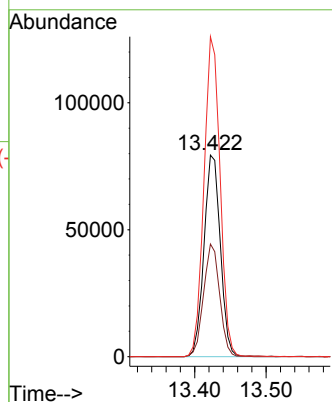
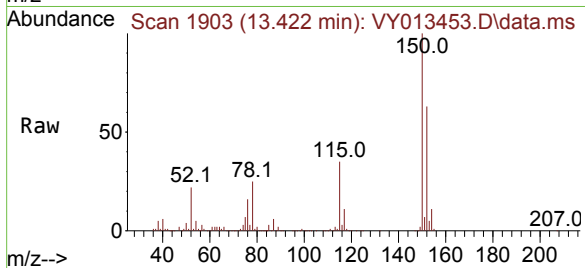
Tgt Ion:152 Resp: 126149

Ion Ratio Lower Upper

152 100

115 55.0 28.1 84.2

150 156.6 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 33.705 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013453.D

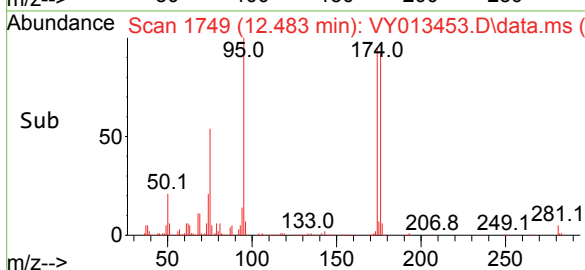
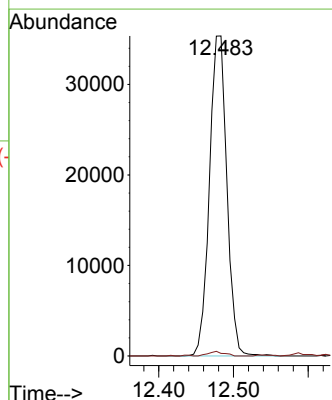
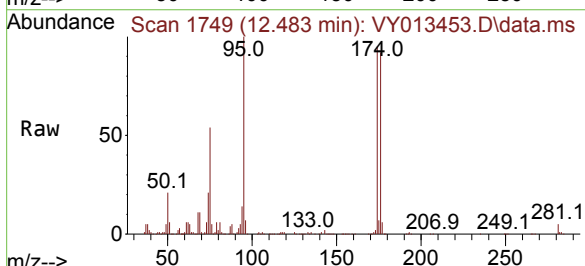
Acq: 25 Apr 2023 17:50

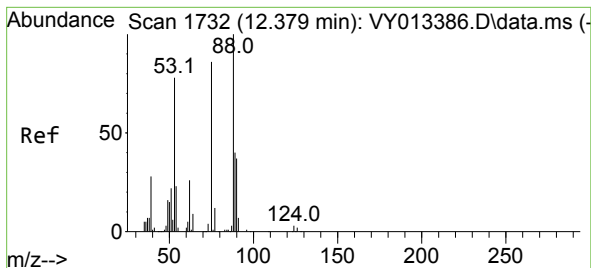
Tgt Ion: 75 Resp: 57341

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

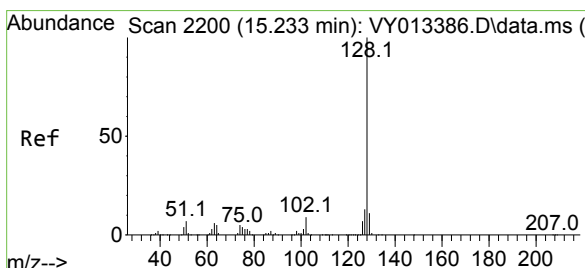
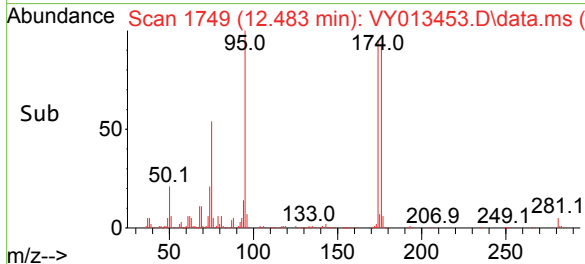
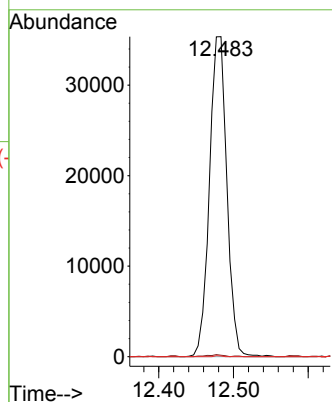
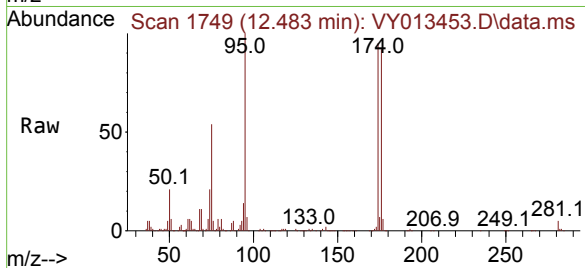




#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.945 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY013453.D
 Acq: 25 Apr 2023 17:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230306-28-4

Tgt Ion: 75 Resp: 57341
 Ion Ratio Lower Upper
 75 100
 53 0.6 73.2 109.8#
 89 0.1 38.0 57.0#



#95
 Naphthalene
 Concen: 5.534 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. -0.000 min
 Lab File: VY013453.D
 Acq: 25 Apr 2023 17:50

Tgt Ion:128 Resp: 28476
 Ion Ratio Lower Upper
 128 100
 127 14.0 10.7 16.1
 129 10.8 8.8 13.2

