

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014810.D
 Acq On : 25 Jul 2023 18:31
 Operator : SY/MD
 Sample : 03733-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-6-072423

Quant Time: Jul 26 01:21:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

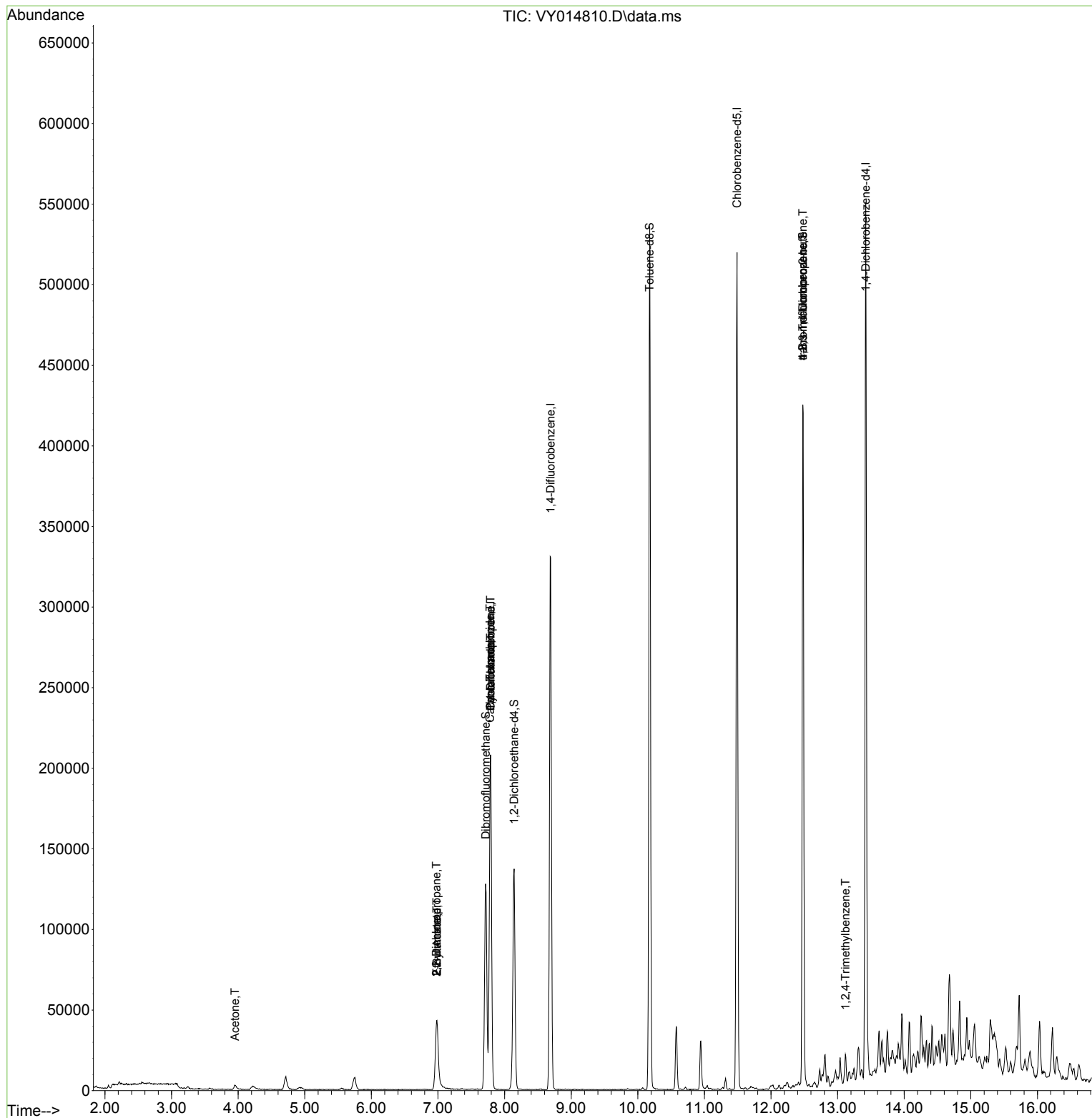
Internal Standards						
1) Pentafluorobenzene	7.789	168	165009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	288740	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	277430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	105088	55.888	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.780%	
35) Dibromofluoromethane	7.716	113	91497	49.779	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.560%	
50) Toluene-d8	10.179	98	345652	51.007	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.020%	
62) 4-Bromofluorobenzene	12.477	95	128748	49.550	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.917	59	734	Below Cal	#	89
16) Acetone	3.954	43	5062	8.495	ug/l	95
20) Methylene Chloride	4.716	84	5427	Below Cal		90
25) 2-Butanone	6.984	43	3150	3.613	ug/l #	74
26) 2,2-Dichloropropane	6.978	77	3413	1.067	ug/l #	54
31) Cyclohexane	7.789	56	3453	1.106	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	13207	4.805	ug/l #	50
37) Ethyl Acetate	6.984	43	3150	1.664	ug/l #	15
38) Carbon Tetrachloride	7.783	117	16372	5.635	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	67633	40.587	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	67633	78.583	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.117	105	9162	1.082	ug/l	97

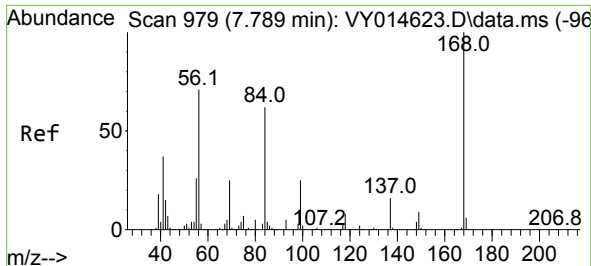
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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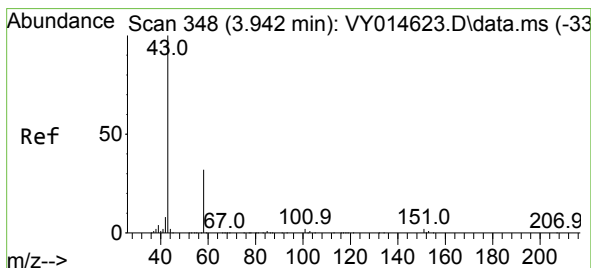
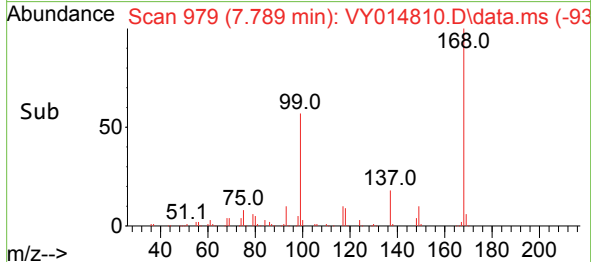
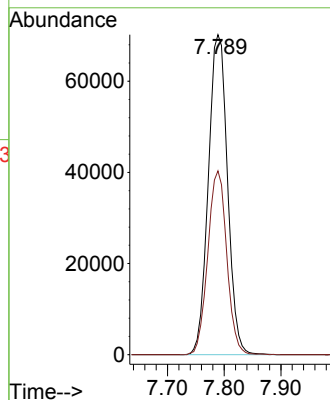
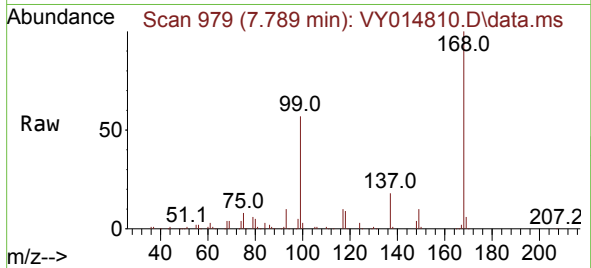




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014810.D
Acq: 25 Jul 2023 18:31

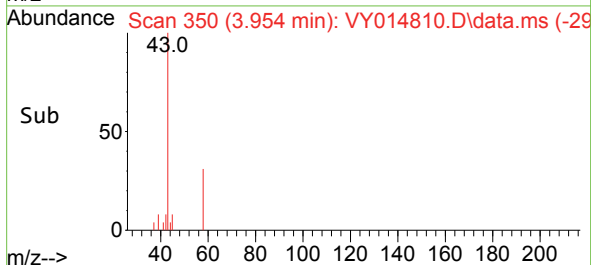
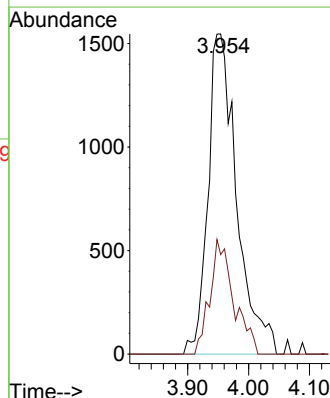
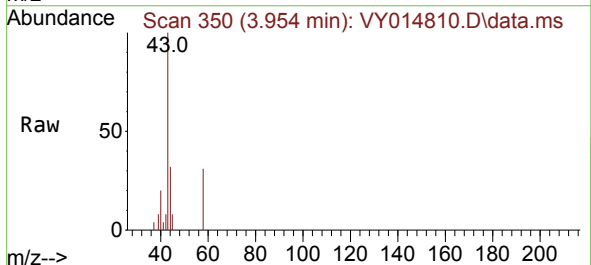
Instrument :
MSVOA_Y
ClientSampleId :
AU-6-072423

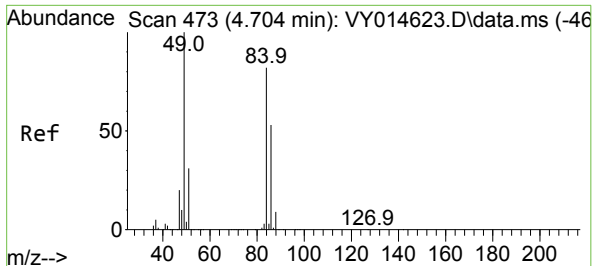
Tgt Ion:168 Resp: 165009
Ion Ratio Lower Upper
168 100
99 57.5 43.4 65.0



#16
Acetone
Concen: 8.495 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY014810.D
Acq: 25 Jul 2023 18:31

Tgt Ion: 43 Resp: 5062
Ion Ratio Lower Upper
43 100
58 31.0 22.7 34.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY014810.D

Acq: 25 Jul 2023 18:31

Instrument :

MSVOA_Y

ClientSampleId :

AU-6-072423

Tgt Ion: 84 Resp: 5427

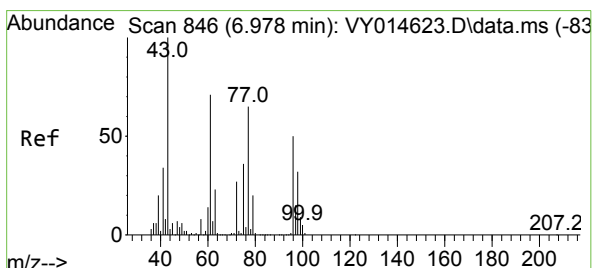
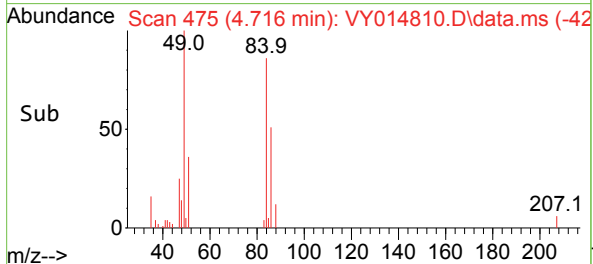
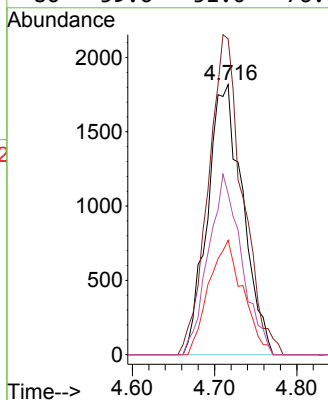
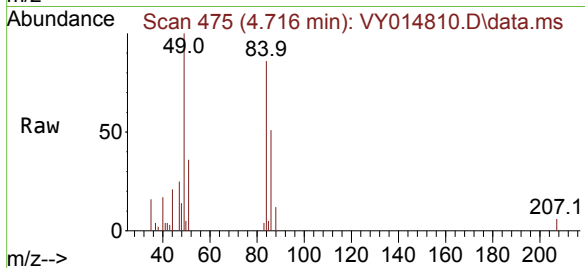
Ion Ratio Lower Upper

84 100

49 116.9 106.9 160.3

51 42.4 33.2 49.8

86 59.6 51.0 76.6



#25

2-Butanone

Concen: 3.613 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY014810.D

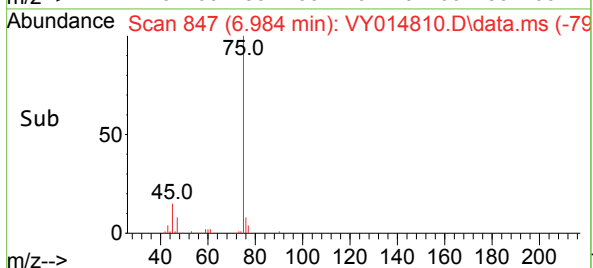
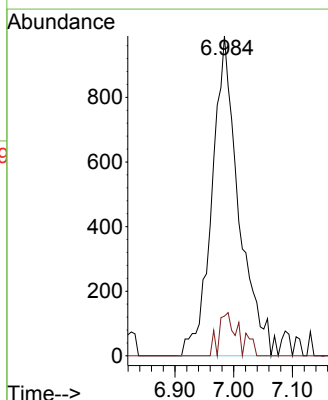
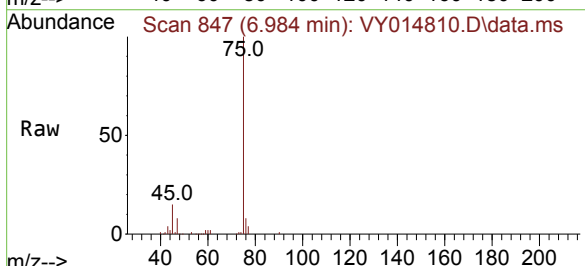
Acq: 25 Jul 2023 18:31

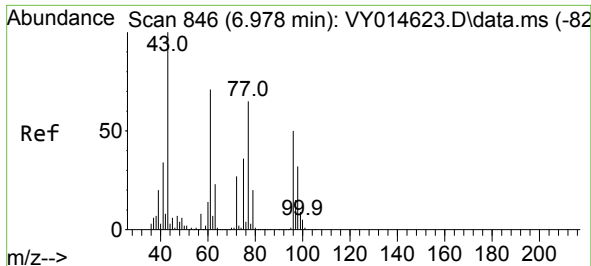
Tgt Ion: 43 Resp: 3150

Ion Ratio Lower Upper

43 100

72 12.4 20.5 30.7#

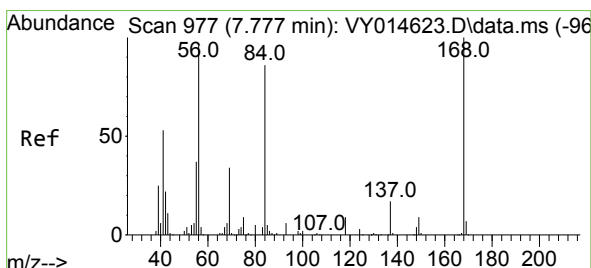
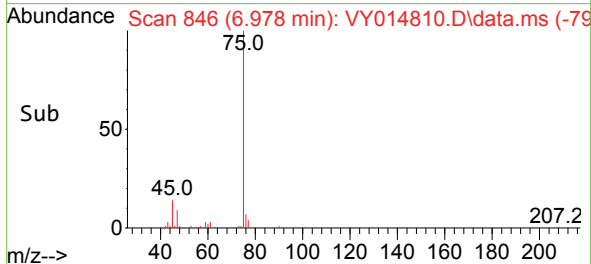
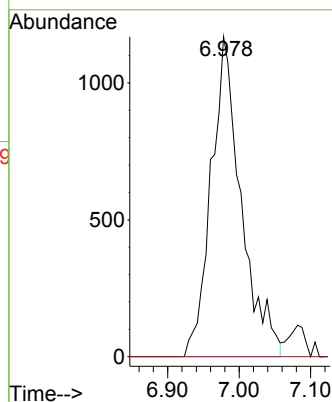
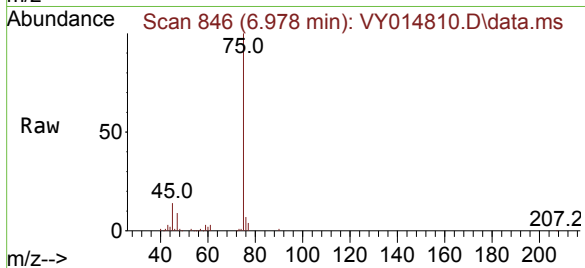




#26
2,2-Dichloropropane
Concen: 1.067 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014810.D
Acq: 25 Jul 2023 18:31

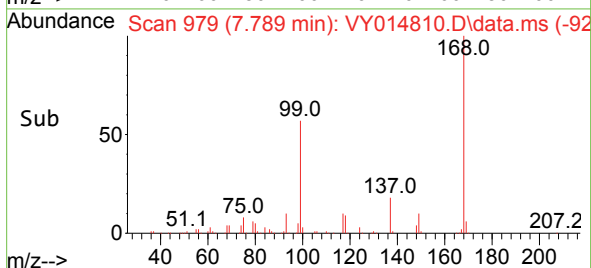
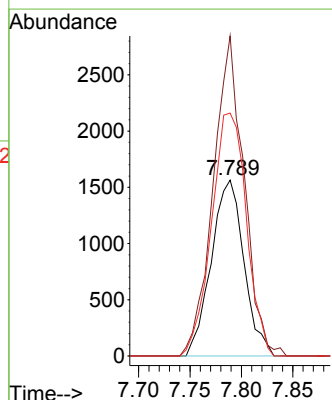
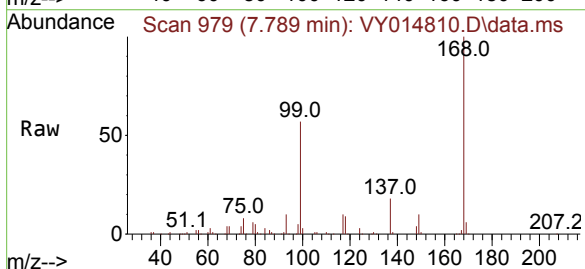
Instrument :
MSVOA_Y
ClientSampleId :
AU-6-072423

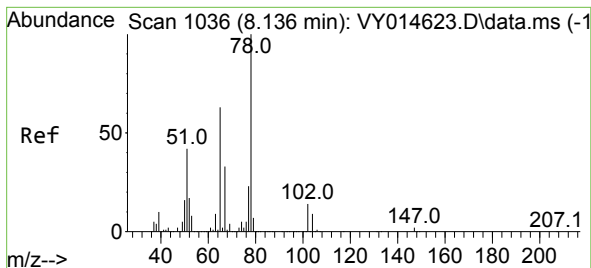
Tgt Ion: 77 Resp: 3413
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.106 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY014810.D
Acq: 25 Jul 2023 18:31

Tgt Ion: 56 Resp: 3453
Ion Ratio Lower Upper
56 100
69 182.0 27.8 41.6#
84 138.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.888 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY014810.D

Acq: 25 Jul 2023 18:31

Instrument :

MSVOA_Y

ClientSampleId :

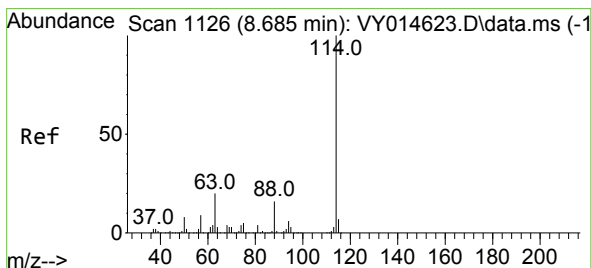
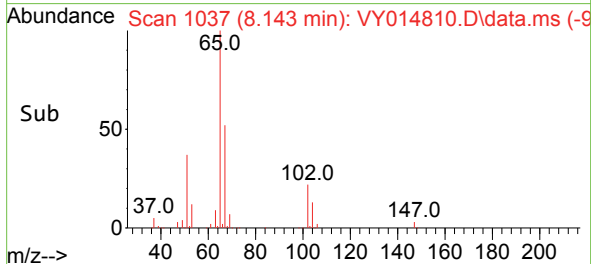
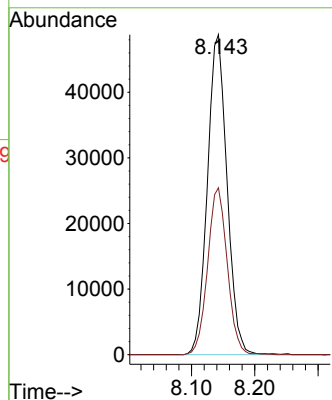
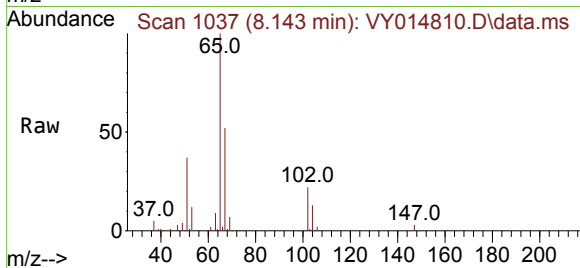
AU-6-072423

Tgt Ion: 65 Resp: 105088

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014810.D

Acq: 25 Jul 2023 18:31

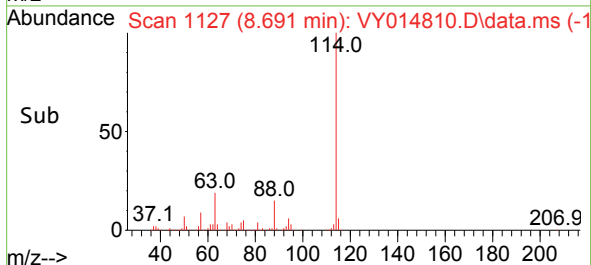
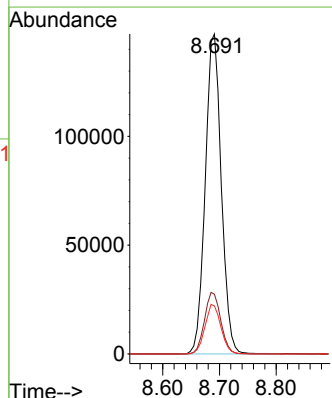
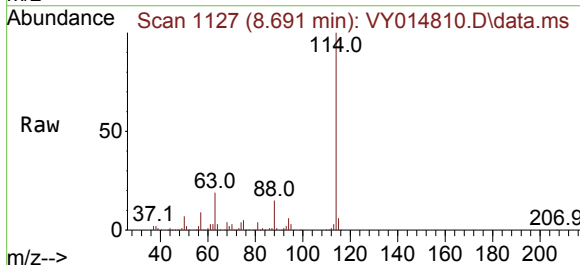
Tgt Ion:114 Resp: 288740

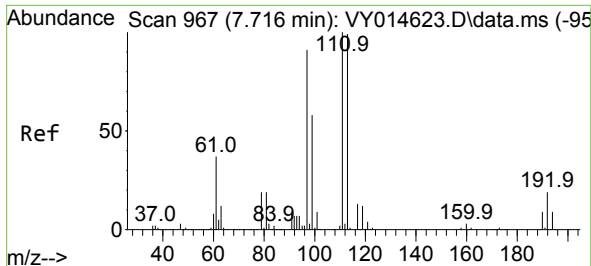
Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 15.0 0.0 30.6

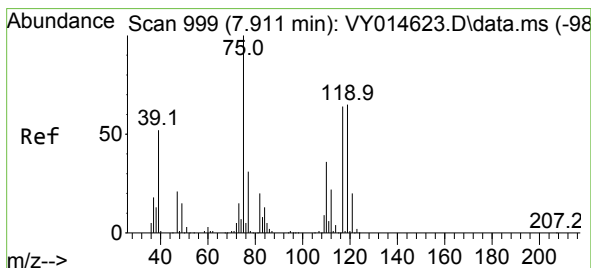
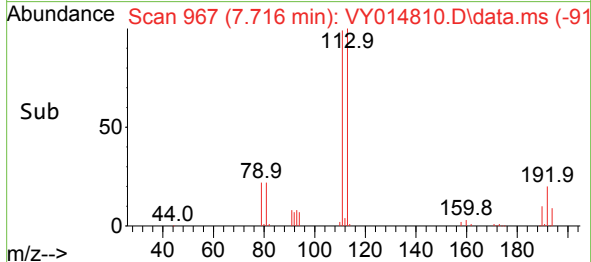
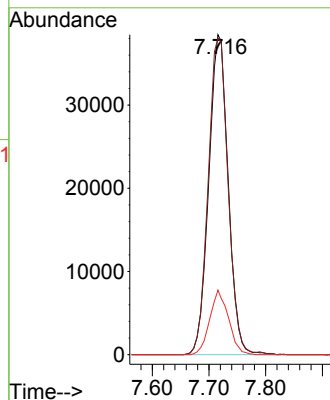
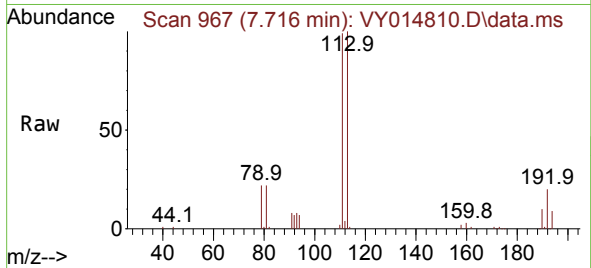




#35
 Dibromofluoromethane
 Concen: 49.779 ug/l
 RT: 7.716 min Scan# 914
 Delta R.T. -0.000 min
 Lab File: VY014810.D
 Acq: 25 Jul 2023 18:31

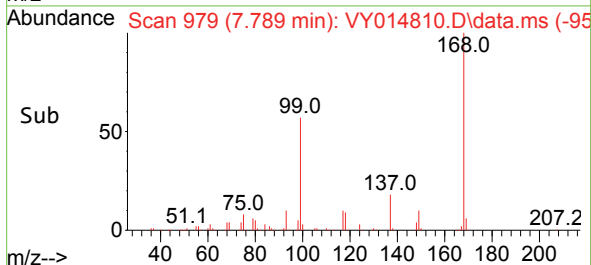
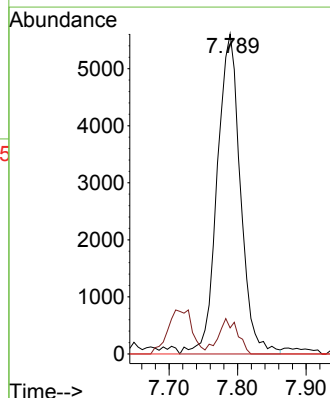
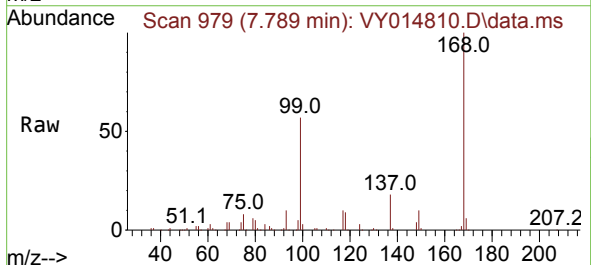
Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-6-072423

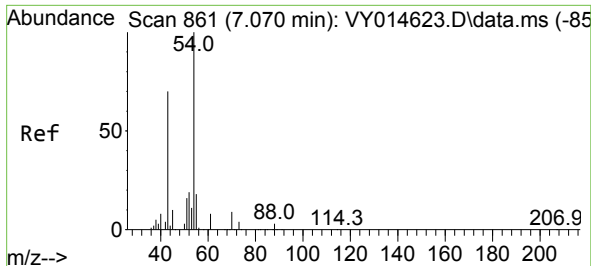
Tgt Ion:113 Resp: 91497
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.3 121.9
 192 19.5 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.805 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.122 min
 Lab File: VY014810.D
 Acq: 25 Jul 2023 18:31

Tgt Ion: 75 Resp: 13207
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.8 53.5#
 77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.664 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY014810.D

Acq: 25 Jul 2023 18:31

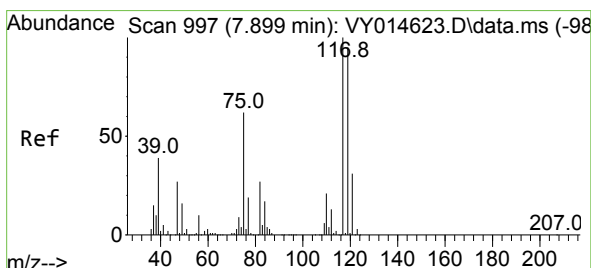
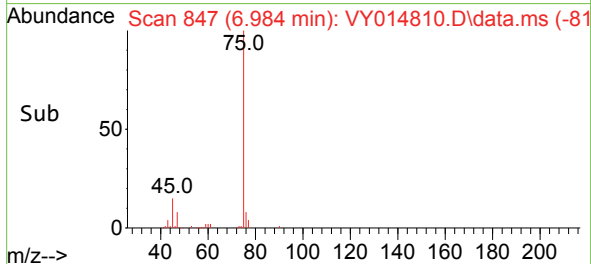
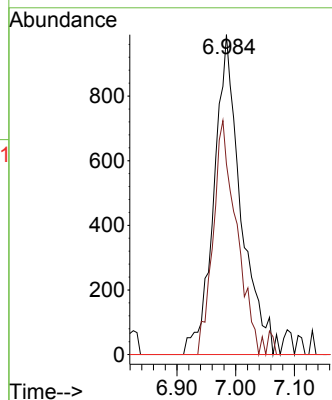
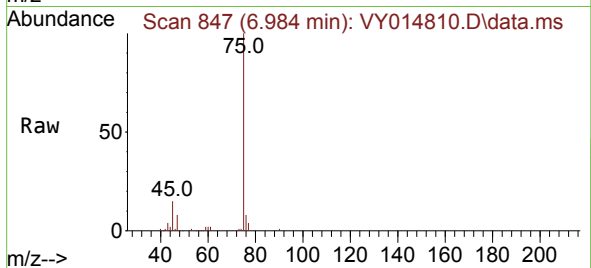
Instrument :

MSVOA_Y

ClientSampleId :

AU-6-072423

Tgt Ion:	43	Resp:	3150
Ion	Ratio	Lower	Upper
43	100		
61	63.1	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.635 ug/l

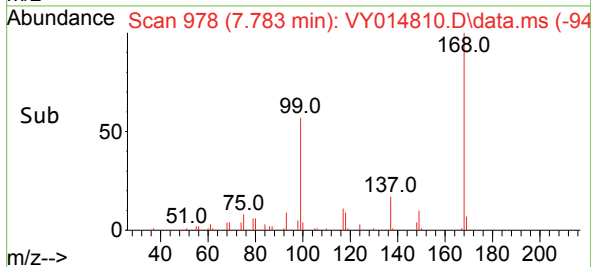
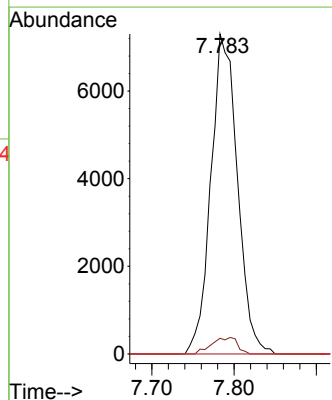
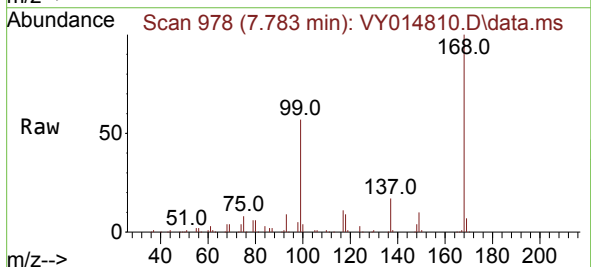
RT: 7.783 min Scan# 978

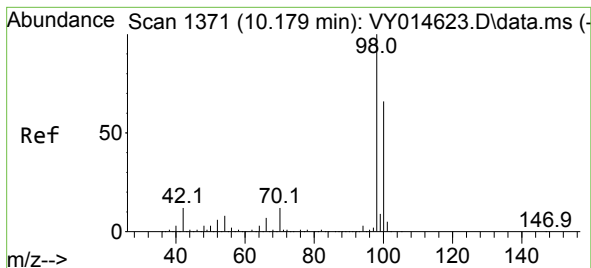
Delta R.T. -0.116 min

Lab File: VY014810.D

Acq: 25 Jul 2023 18:31

Tgt Ion:	117	Resp:	16372
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.4	114.6#
121	0.0	25.8	38.6#

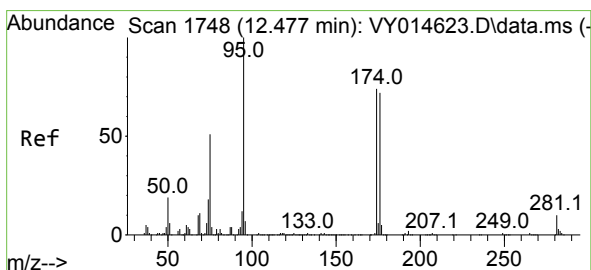
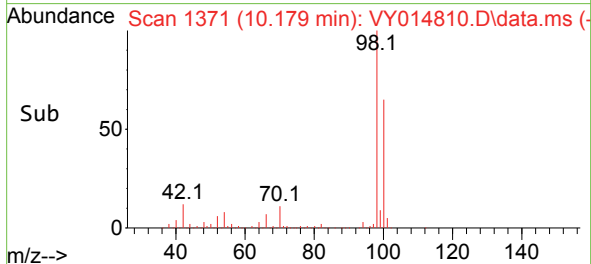
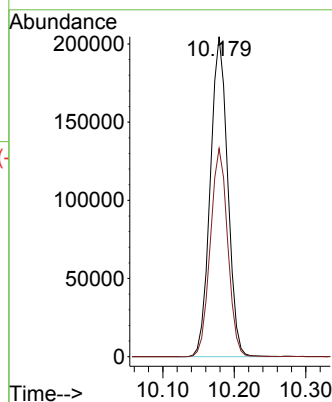
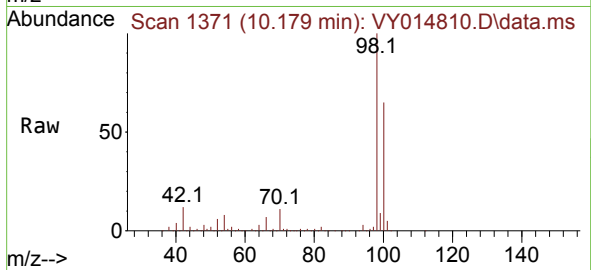




#50
Toluene-d8
Concen: 51.007 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014810.D
Acq: 25 Jul 2023 18:31

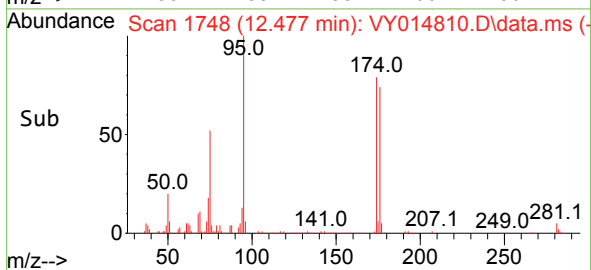
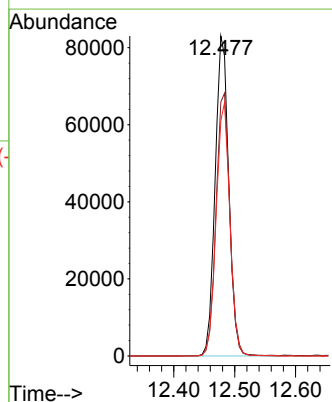
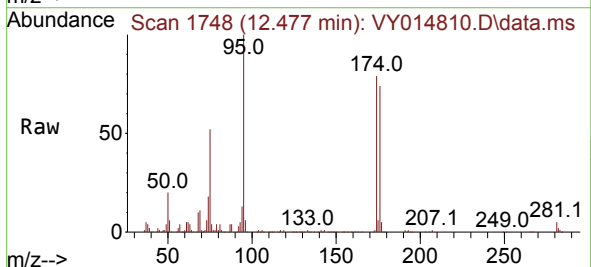
Instrument :
MSVOA_Y
ClientSampleId :
AU-6-072423

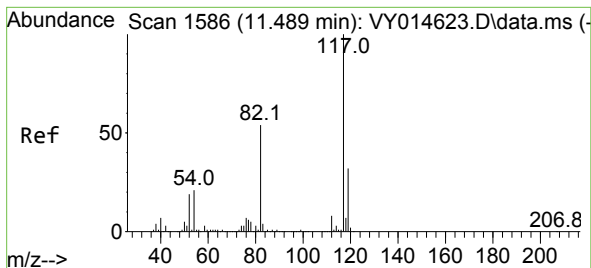
Tgt Ion: 98 Resp: 345652
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.550 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014810.D
Acq: 25 Jul 2023 18:31

Tgt Ion: 95 Resp: 128748
Ion Ratio Lower Upper
95 100
174 83.5 0.0 178.2
176 79.3 0.0 173.8

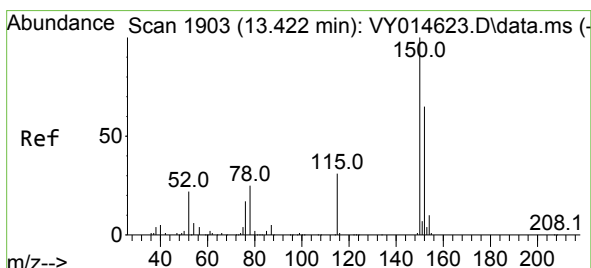
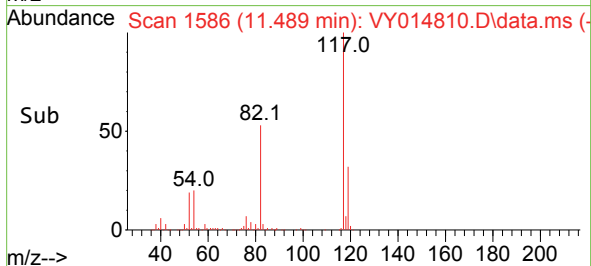
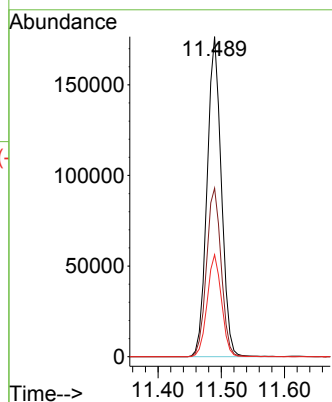
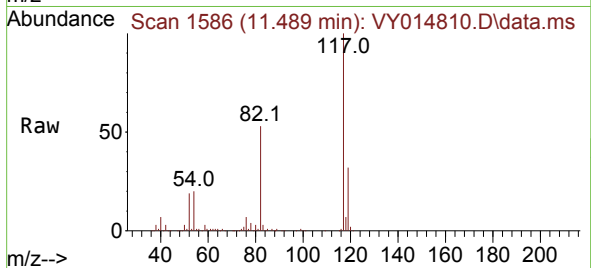




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014810.D
Acq: 25 Jul 2023 18:31

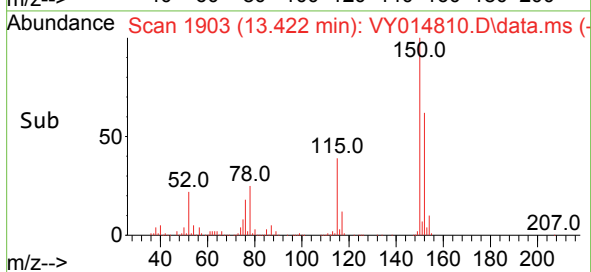
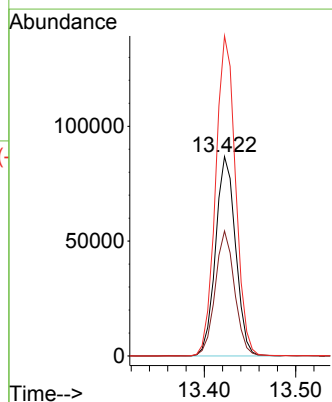
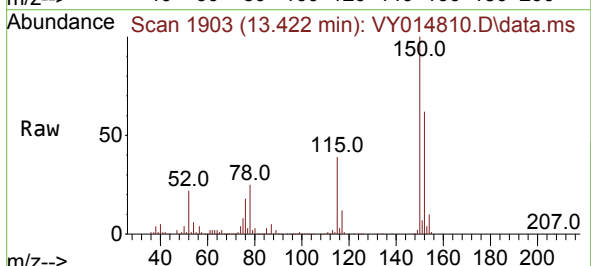
Instrument :
MSVOA_Y
ClientSampleId :
AU-6-072423

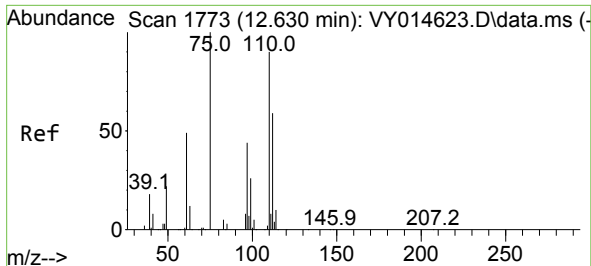
Tgt Ion:117 Resp: 277430
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 31.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014810.D
Acq: 25 Jul 2023 18:31

Tgt Ion:152 Resp: 131941
Ion Ratio Lower Upper
152 100
115 60.6 28.8 86.5
150 160.0 0.0 348.8

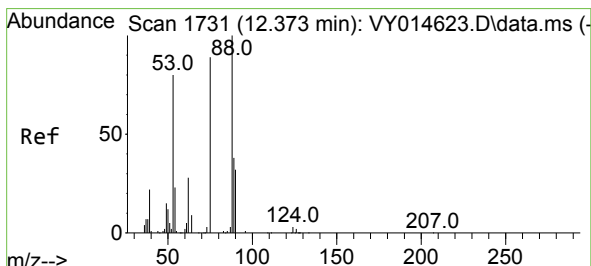
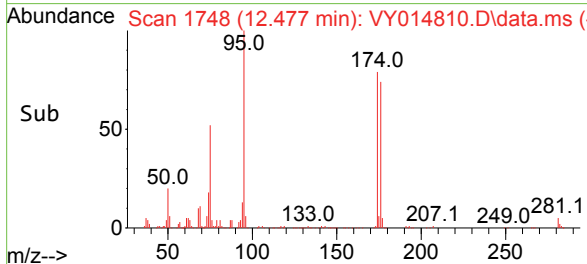
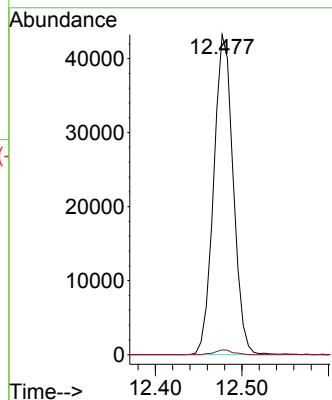
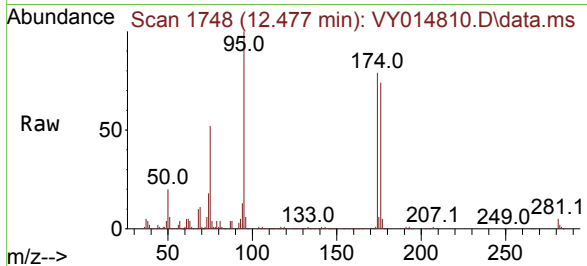




#76
1,2,3-Trichloropropane
Concen: 40.587 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014810.D
Acq: 25 Jul 2023 18:31

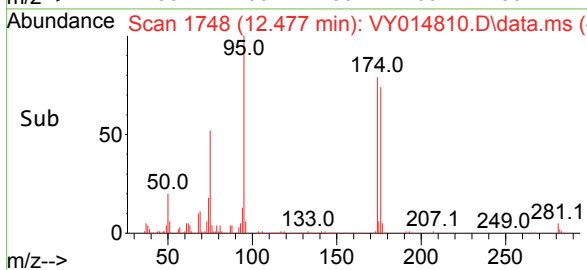
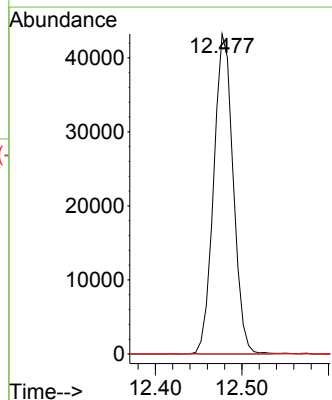
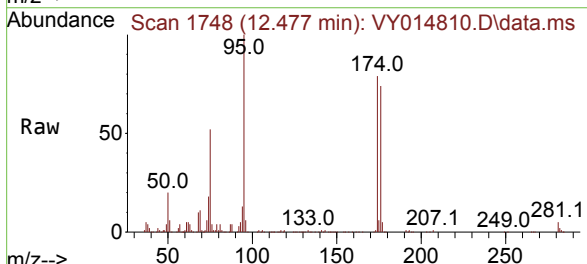
Instrument :
MSVOA_Y
ClientSampleId :
AU-6-072423

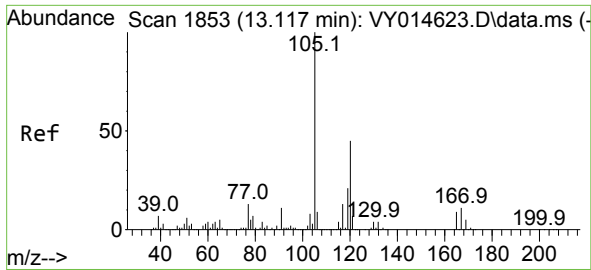
Tgt Ion: 75 Resp: 67633
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.583 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014810.D
Acq: 25 Jul 2023 18:31

Tgt Ion: 75 Resp: 67633
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.082 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014810.D

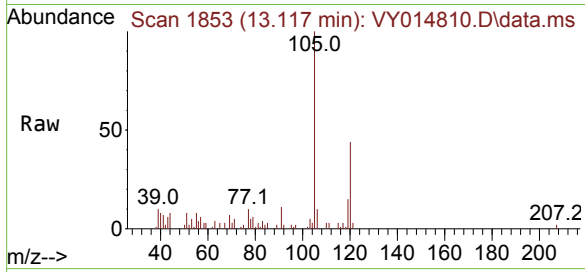
Acq: 25 Jul 2023 18:31

Instrument :

MSVOA_Y

ClientSampleId :

AU-6-072423



Tgt Ion:105 Resp: 9162

Ion Ratio Lower Upper

105 100

120 46.2 22.2 66.6

