

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014805.D
 Acq On : 25 Jul 2023 16:33
 Operator : SY/MD
 Sample : 03742-06
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP-02

Quant Time: Jul 26 01:20:13 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)

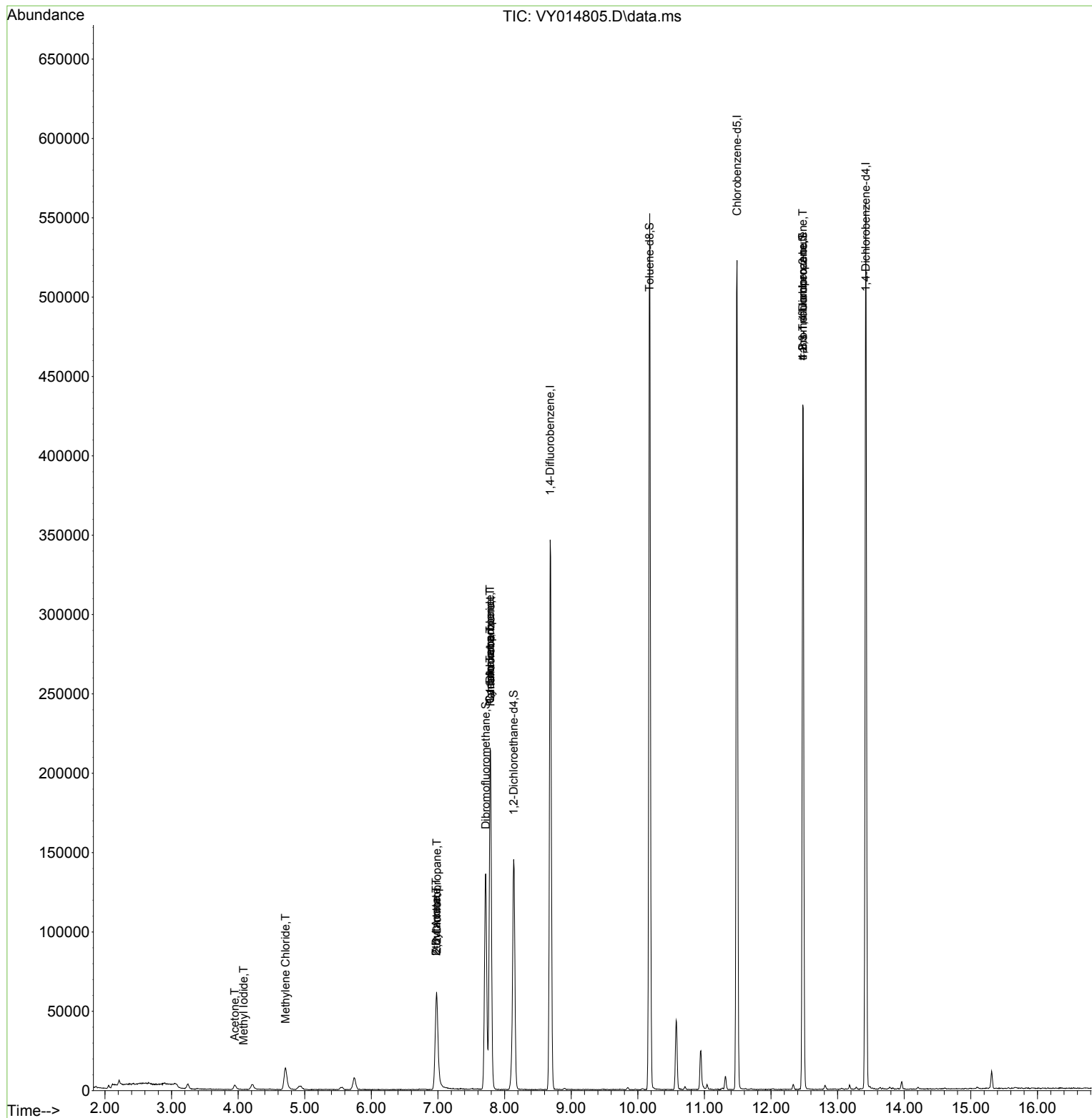
Internal Standards						
1) Pentafluorobenzene	7.789	168	168588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	299533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	287766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	109442	56.968	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.940%	
35) Dibromofluoromethane	7.716	113	95625	50.151	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.300%	
50) Toluene-d8	10.179	98	355898	50.627	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.260%	
62) 4-Bromofluorobenzene	12.477	95	132841	49.283	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.560%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.082	142	45	2.392	ug/l #	38
11) Tert butyl alcohol	4.917	59	3117	Below Cal	#	89
16) Acetone	3.948	43	5181	8.510	ug/l	98
20) Methylene Chloride	4.710	84	10254	1.051	ug/l #	86
25) 2-Butanone	6.972	43	3855	4.328	ug/l #	74
26) 2,2-Dichloropropane	6.984	77	4960	1.518	ug/l #	54
31) Cyclohexane	7.783	56	3668	1.150	ug/l #	4
36) 1,1-Dichloropropene	7.783	75	13249	4.646	ug/l #	49
37) Ethyl Acetate	6.972	43	3855	1.964	ug/l #	1
38) Carbon Tetrachloride	7.783	117	17323	5.747	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	70648	40.168	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	70648	77.772	ug/l #	11

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

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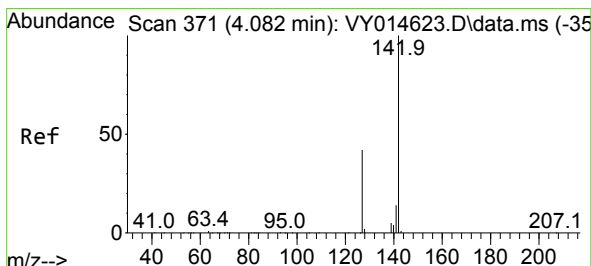
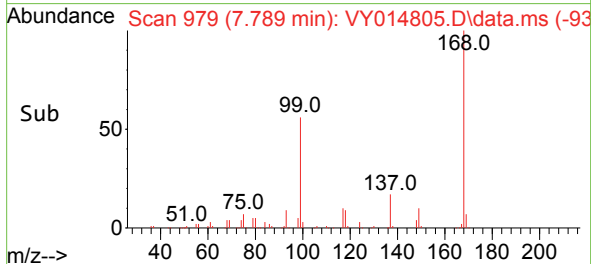
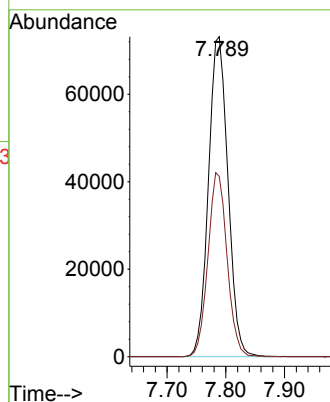
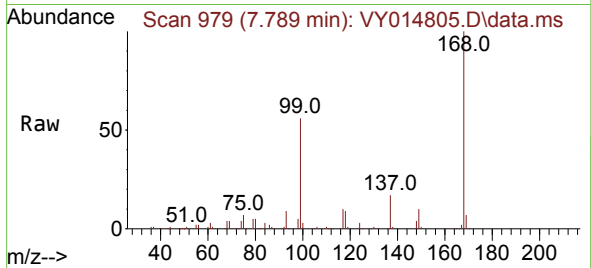




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014805.D
Acq: 25 Jul 2023 16:33

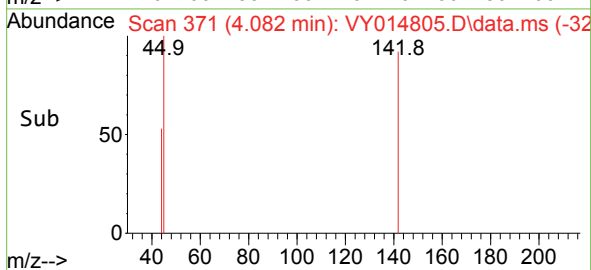
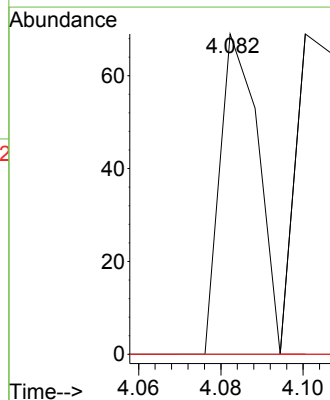
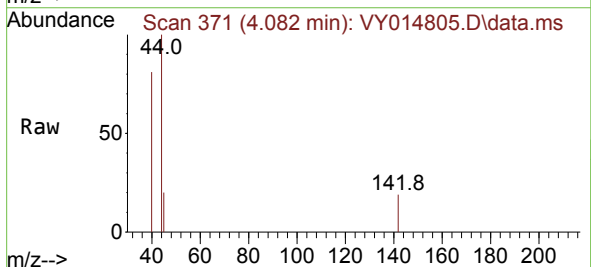
Instrument :
MSVOA_Y
ClientSampleId :
DUP-02

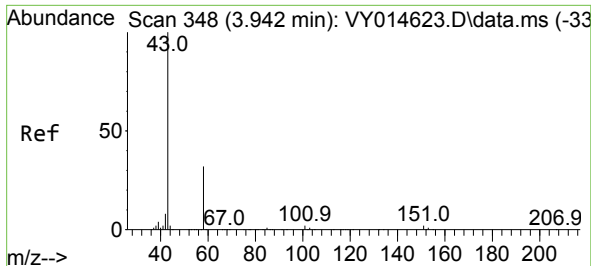
Tgt Ion:168 Resp: 168588
Ion Ratio Lower Upper
168 100
99 56.3 43.4 65.0



#10
Methyl Iodide
Concen: 2.392 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014805.D
Acq: 25 Jul 2023 16:33

Tgt Ion:142 Resp: 45
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 8.510 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY014805.D

Acq: 25 Jul 2023 16:33

Instrument :

MSVOA_Y

ClientSampleId :

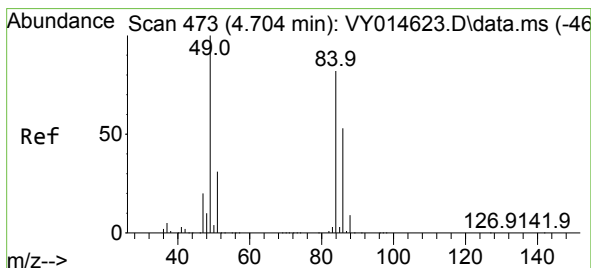
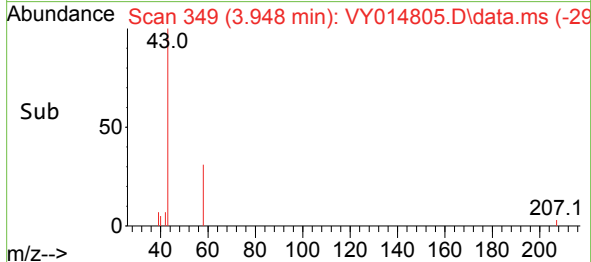
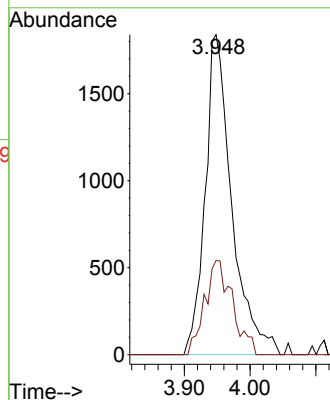
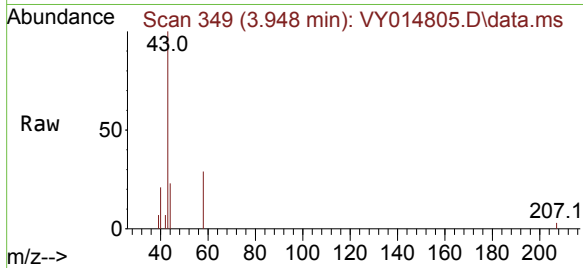
DUP-02

Tgt Ion: 43 Resp: 5181

Ion Ratio Lower Upper

43 100

58 29.5 22.7 34.1



#20

Methylene Chloride

Concen: 1.051 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY014805.D

Acq: 25 Jul 2023 16:33

Tgt Ion: 84 Resp: 10254

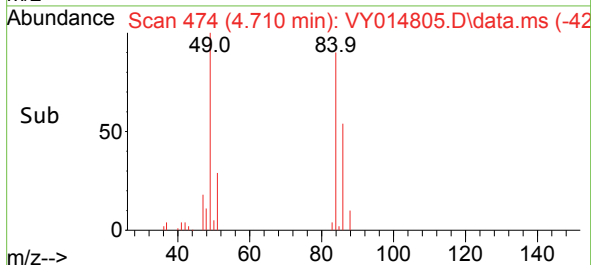
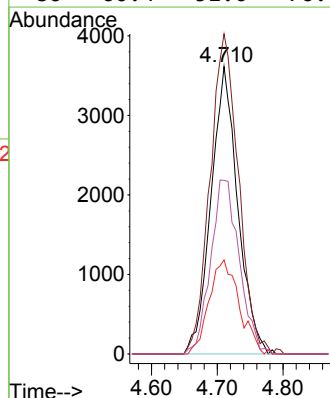
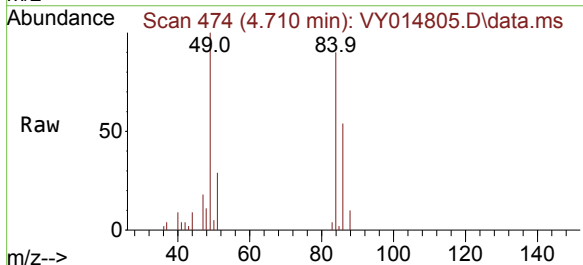
Ion Ratio Lower Upper

84 100

49 111.3 106.9 160.3

51 32.7 33.2 49.8#

86 60.4 51.0 76.6

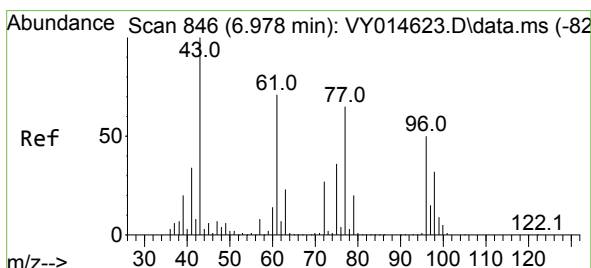
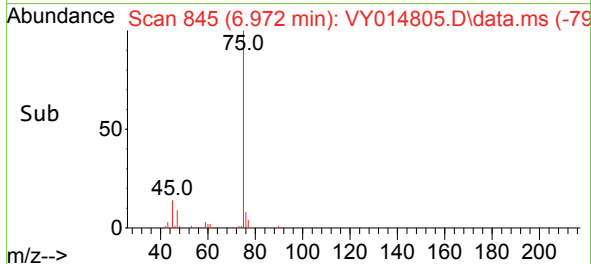
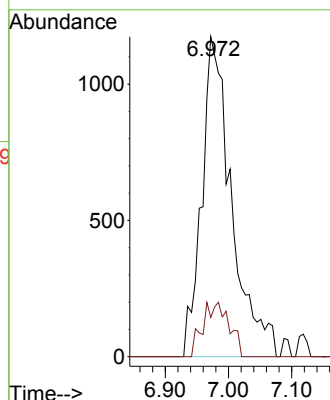
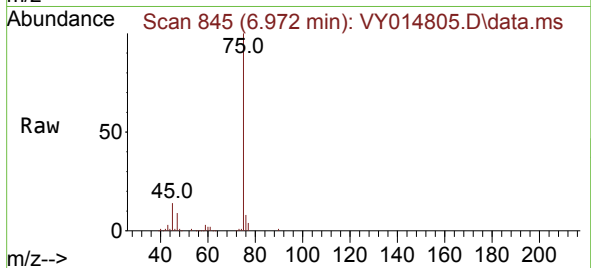




#25
2-Butanone
Concen: 4.328 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014805.D
Acq: 25 Jul 2023 16:33

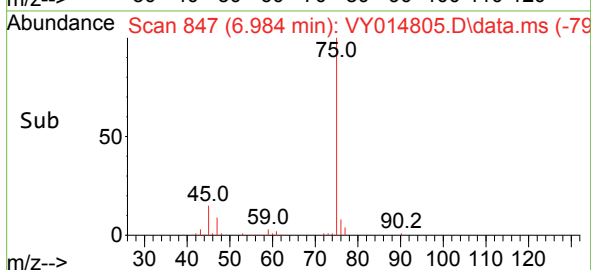
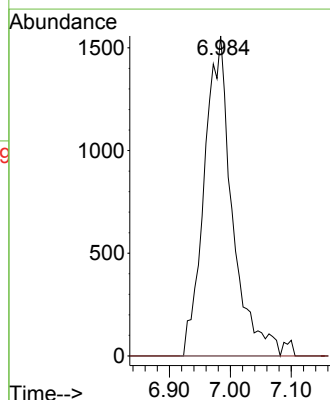
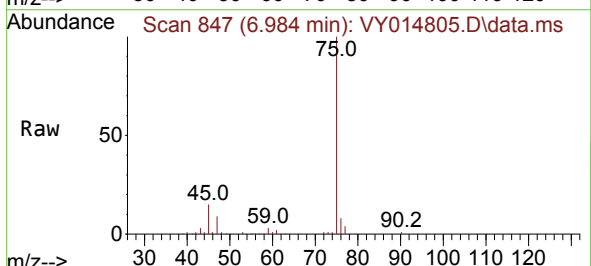
Instrument :
MSVOA_Y
ClientSampleId :
DUP-02

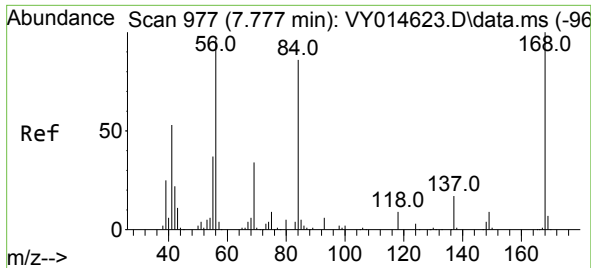
Tgt Ion: 43 Resp: 3855
Ion Ratio Lower Upper
43 100
72 12.3 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.518 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY014805.D
Acq: 25 Jul 2023 16:33

Tgt Ion: 77 Resp: 4960
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

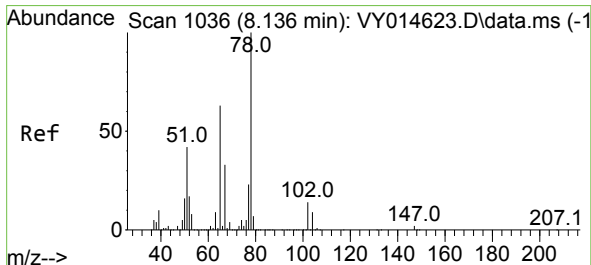
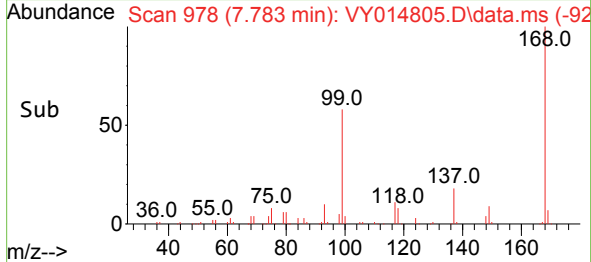
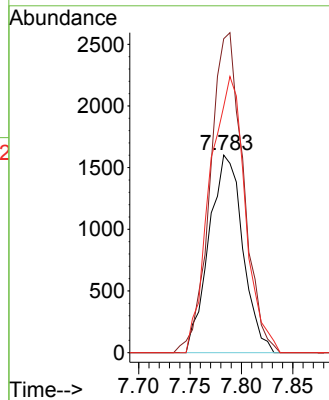
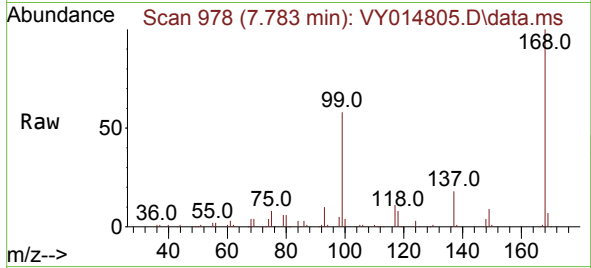




#31
Cyclohexane
Concen: 1.150 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014805.D
Acq: 25 Jul 2023 16:33

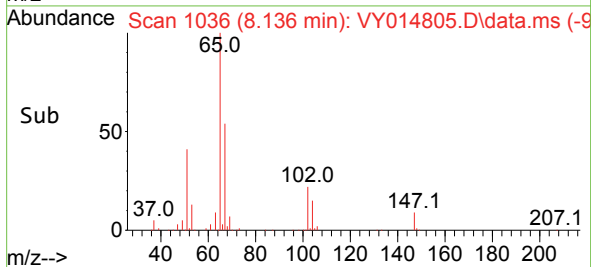
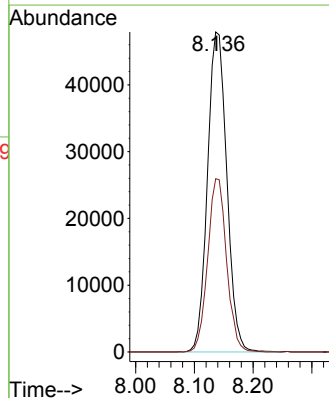
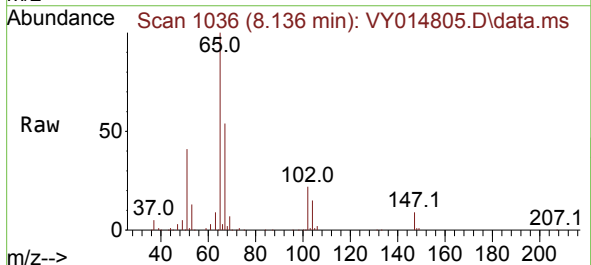
Instrument :
MSVOA_Y
ClientSampleId :
DUP-02

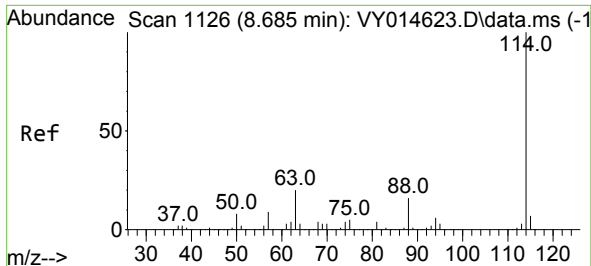
Tgt Ion: 56 Resp: 3668
Ion Ratio Lower Upper
56 100
69 158.9 27.8 41.6#
84 124.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.968 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014805.D
Acq: 25 Jul 2023 16:33

Tgt Ion: 65 Resp: 109442
Ion Ratio Lower Upper
65 100
67 53.0 0.0 101.8

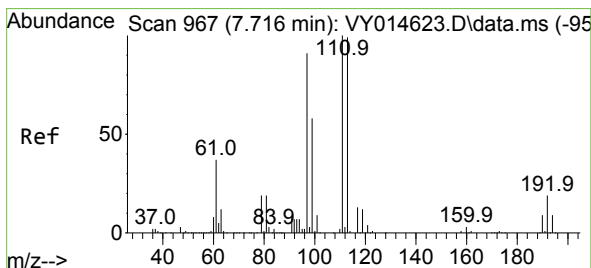
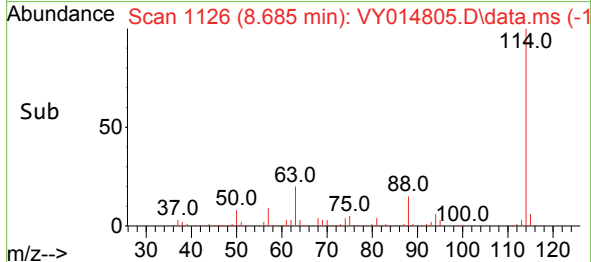
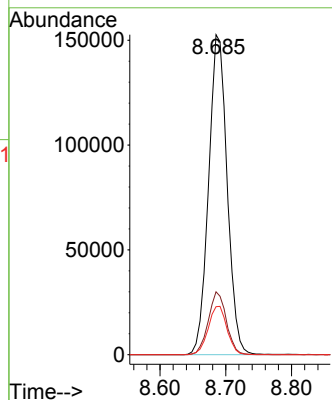
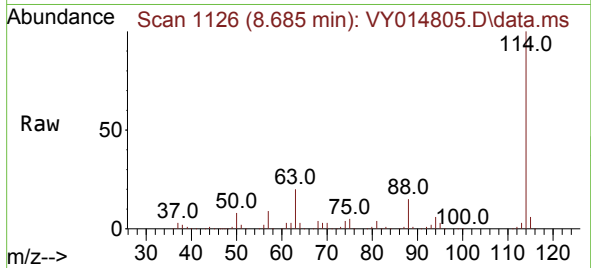




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014805.D
Acq: 25 Jul 2023 16:33

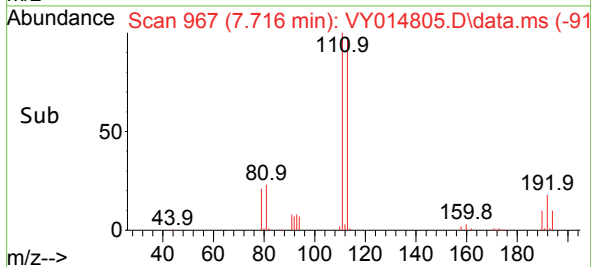
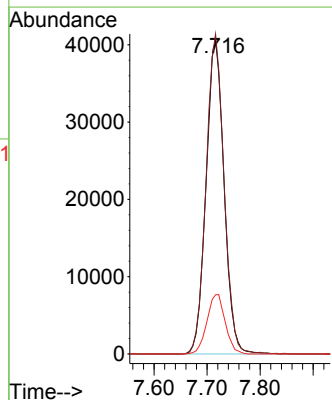
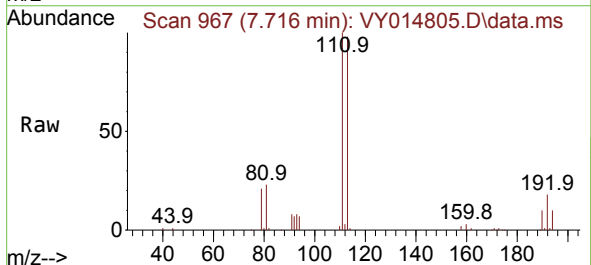
Instrument :
MSVOA_Y
ClientSampleId :
DUP-02

Tgt Ion:114 Resp: 299533
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.151 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014805.D
Acq: 25 Jul 2023 16:33

Tgt Ion:113 Resp: 95625
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 19.2 16.9 25.3

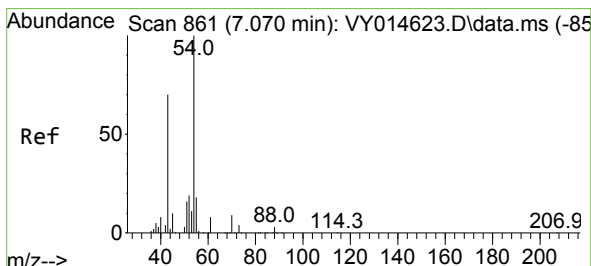
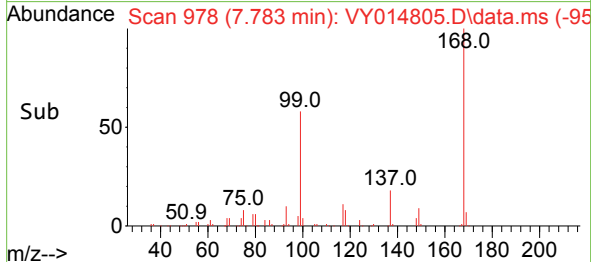
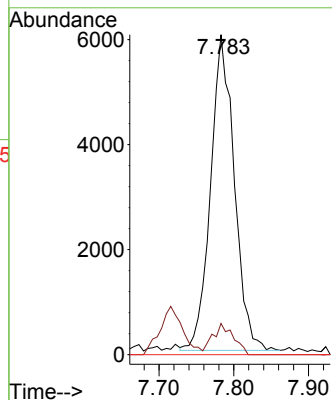
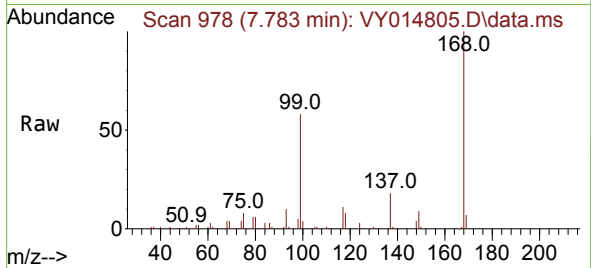




#36
1,1-Dichloropropene
Concen: 4.646 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014805.D
Acq: 25 Jul 2023 16:33

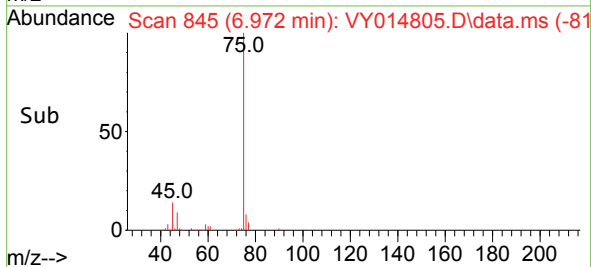
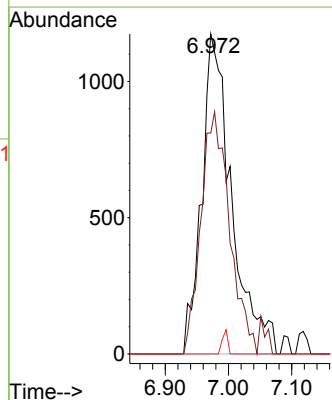
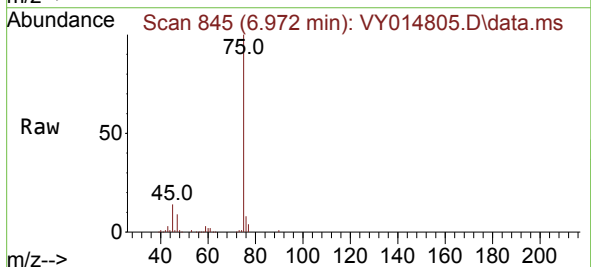
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ClientSampleId :
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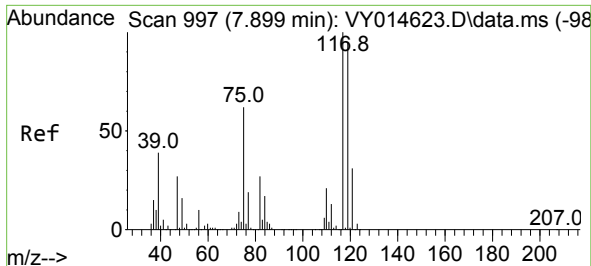
Tgt Ion: 75 Resp: 13249
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.964 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.098 min
Lab File: VY014805.D
Acq: 25 Jul 2023 16:33

Tgt Ion: 43 Resp: 3855
Ion Ratio Lower Upper
43 100
61 72.6 10.1 15.1#
70 0.0 7.1 10.7#

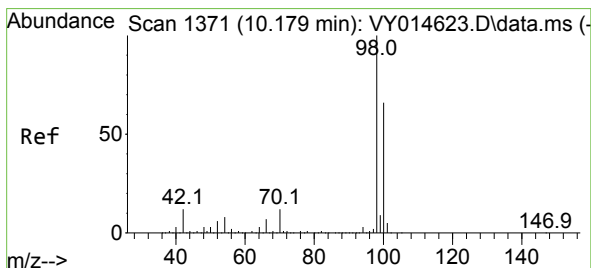
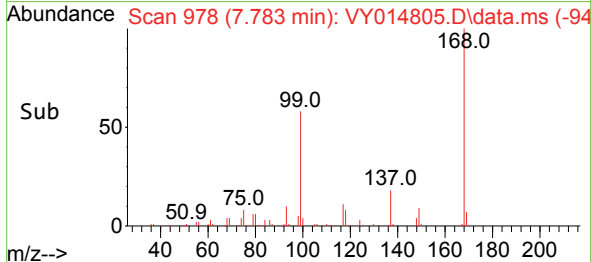
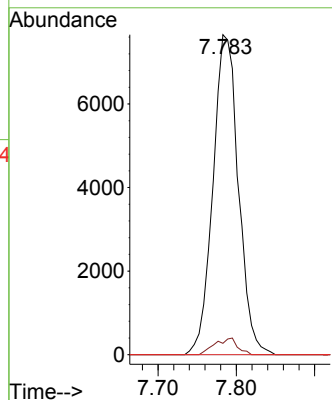
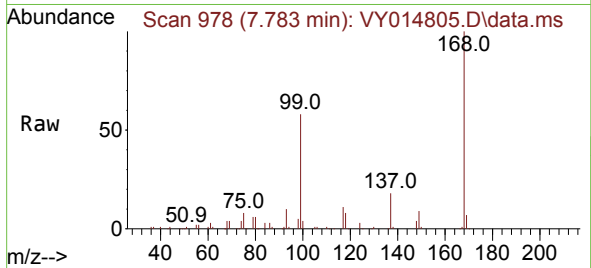




#38
Carbon Tetrachloride
Concen: 5.747 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014805.D
Acq: 25 Jul 2023 16:33

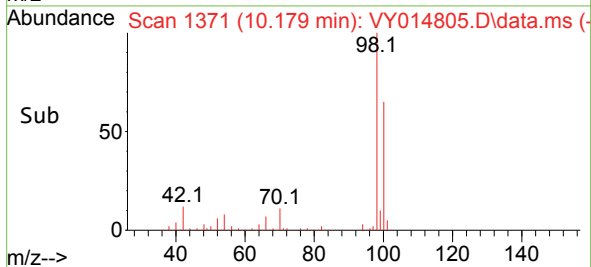
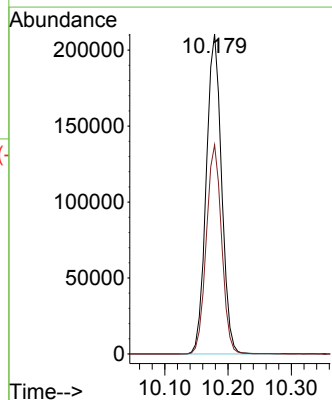
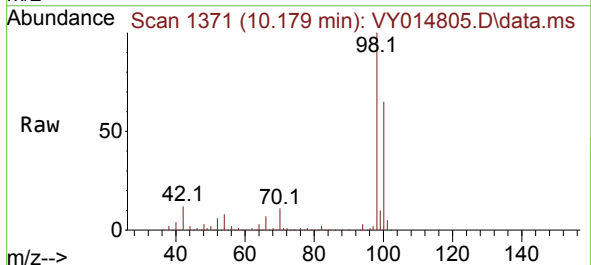
Instrument :
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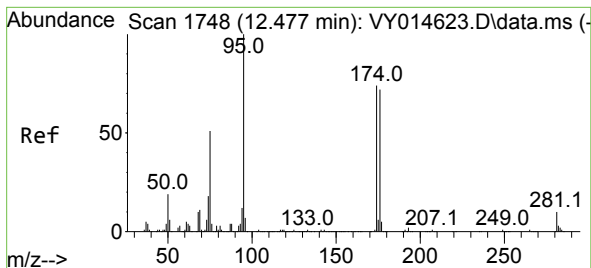
Tgt Ion:117 Resp: 17323
Ion Ratio Lower Upper
117 100
119 3.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.627 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014805.D
Acq: 25 Jul 2023 16:33

Tgt Ion: 98 Resp: 355898
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1

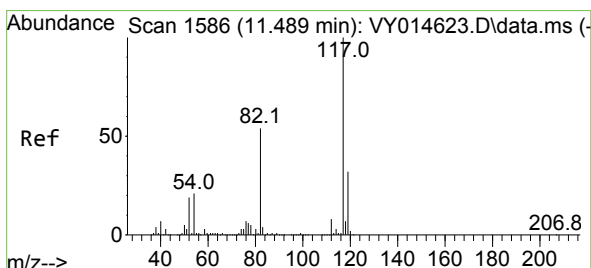
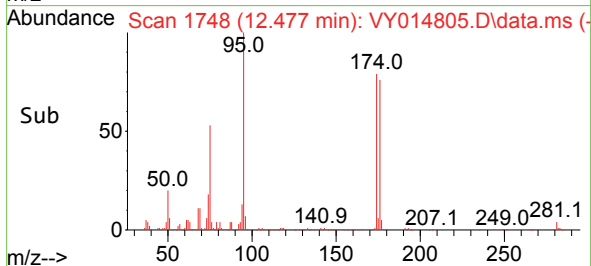
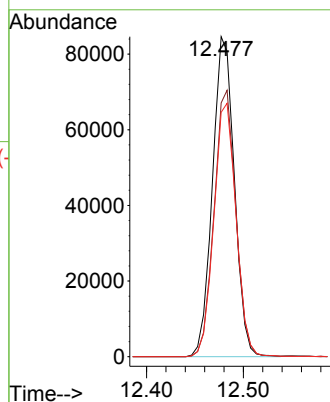
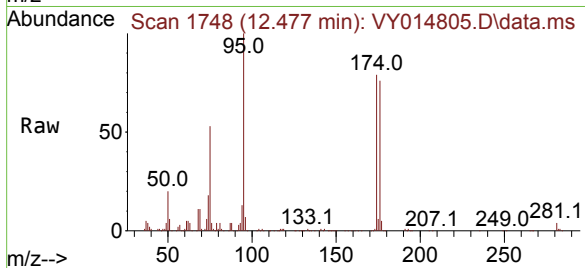




#62
4-Bromofluorobenzene
Concen: 49.283 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014805.D
Acq: 25 Jul 2023 16:33

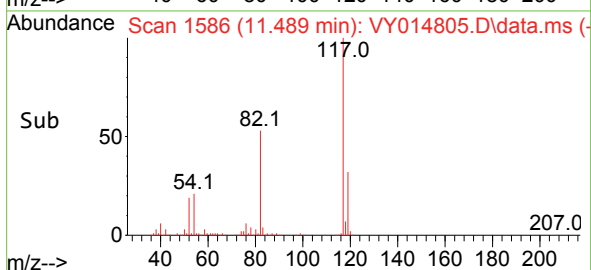
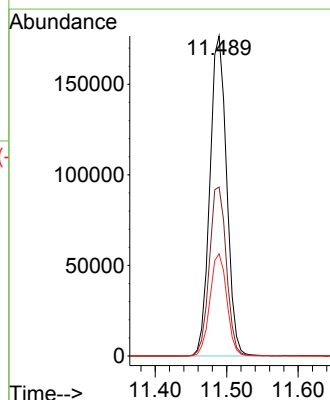
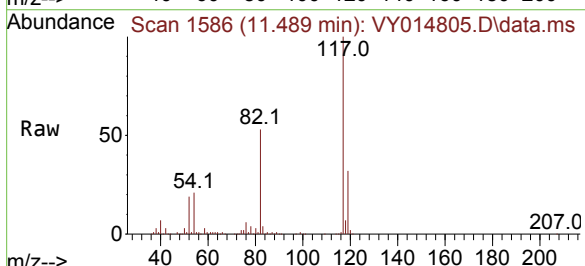
Instrument :
MSVOA_Y
ClientSampleId :
DUP-02

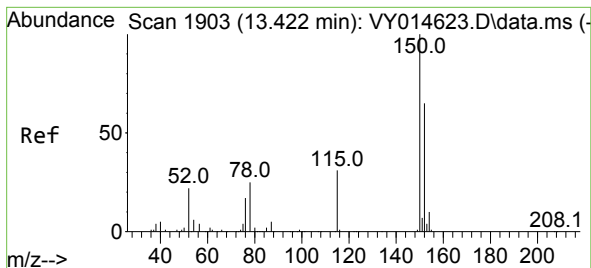
Tgt Ion: 95 Resp: 132841
Ion Ratio Lower Upper
95 100
174 82.9 0.0 178.2
176 80.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014805.D
Acq: 25 Jul 2023 16:33

Tgt Ion: 117 Resp: 287766
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.0
119 31.9 26.3 39.5

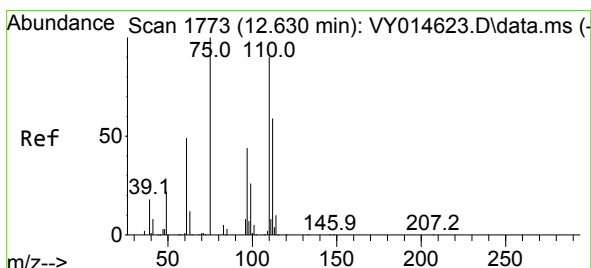
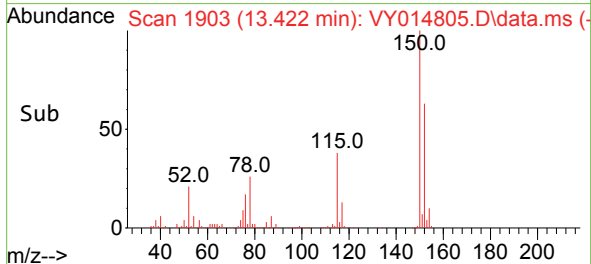
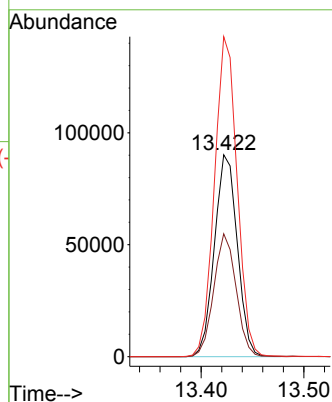
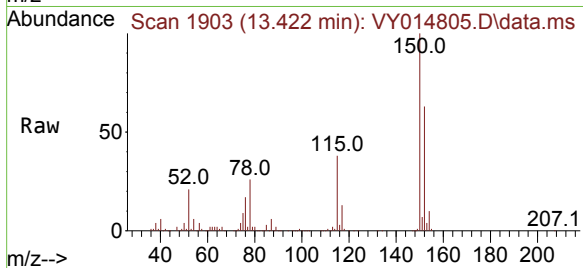




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY014805.D
 Acq: 25 Jul 2023 16:33

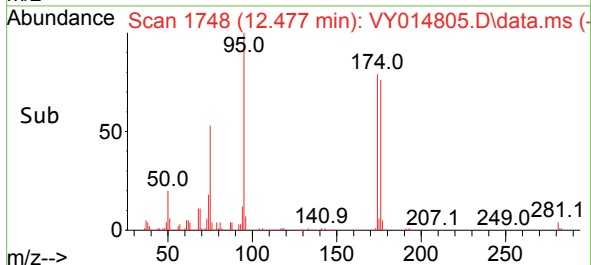
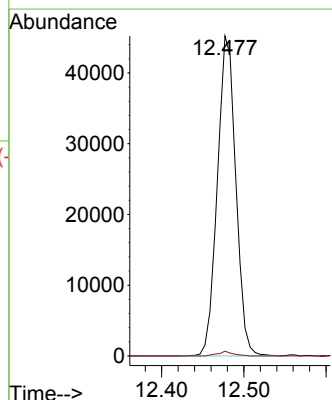
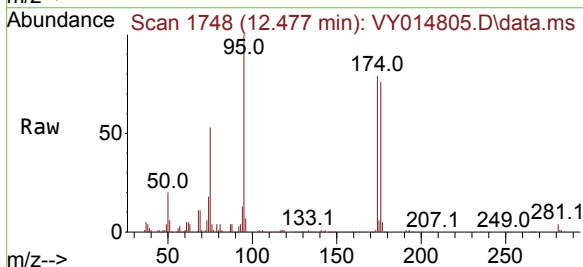
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP-02

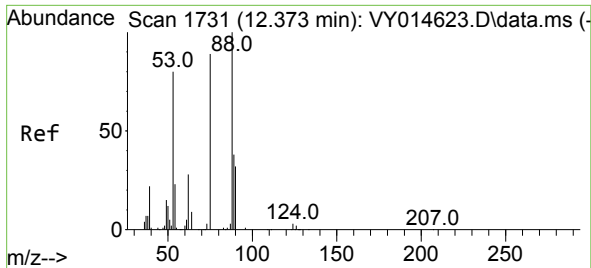
Tgt Ion:152 Resp: 139260
 Ion Ratio Lower Upper
 152 100
 115 59.4 28.8 86.5
 150 157.2 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 40.168 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY014805.D
 Acq: 25 Jul 2023 16:33

Tgt Ion: 75 Resp: 70648
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.772 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014805.D
 Acq: 25 Jul 2023 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP-02

Tgt Ion: 75 Resp: 70648
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

