

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014808.D
 Acq On : 25 Jul 2023 17:44
 Operator : SY/MD
 Sample : 03736-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-5-072423

Quant Time: Jul 26 01:21:16 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)

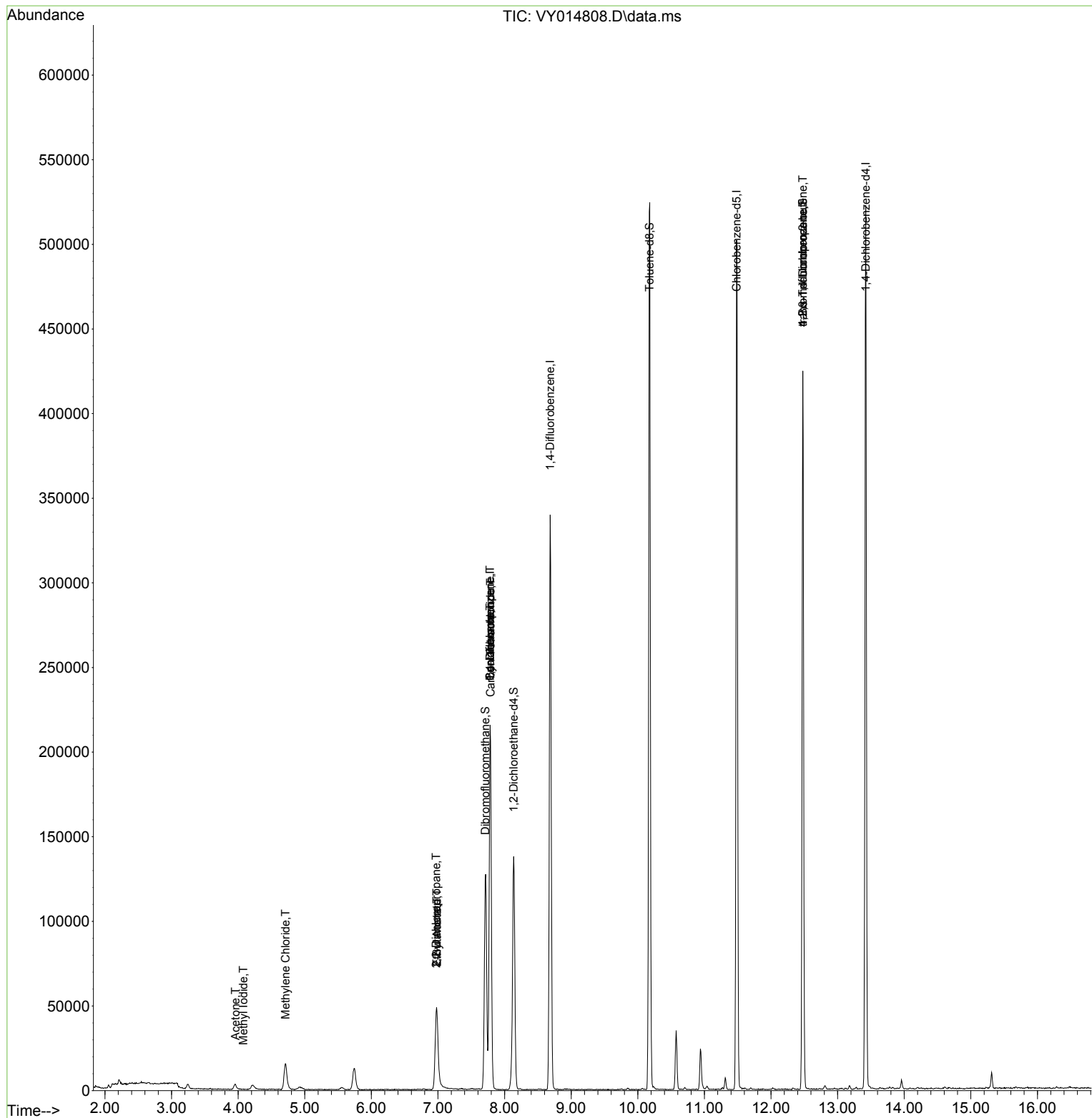
Internal Standards						
1) Pentafluorobenzene	7.783	168	166388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	293429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	276708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	103841	54.767	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.540%	
35) Dibromofluoromethane	7.710	113	91891	49.195	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.380%	
50) Toluene-d8	10.179	98	344605	50.040	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.080%	
62) 4-Bromofluorobenzene	12.477	95	127343	48.226	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.460%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.076	142	19	2.379	ug/l #	38
11) Tert butyl alcohol	4.930	59	2289	Below Cal	#	89
16) Acetone	3.960	43	5682	9.457	ug/l	99
20) Methylene Chloride	4.710	84	11096	1.597	ug/l	90
25) 2-Butanone	6.984	43	3065	3.487	ug/l #	80
26) 2,2-Dichloropropane	6.972	77	4059	1.258	ug/l #	54
31) Cyclohexane	7.783	56	3583	1.138	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13320	4.768	ug/l #	50
37) Ethyl Acetate	6.984	43	3065	1.594	ug/l #	1
38) Carbon Tetrachloride	7.789	117	16423	5.562	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	67100	40.361	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	67100	78.145	ug/l #	10

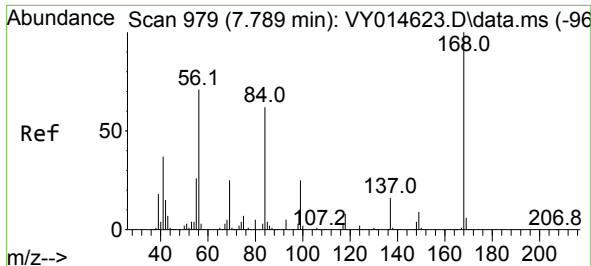
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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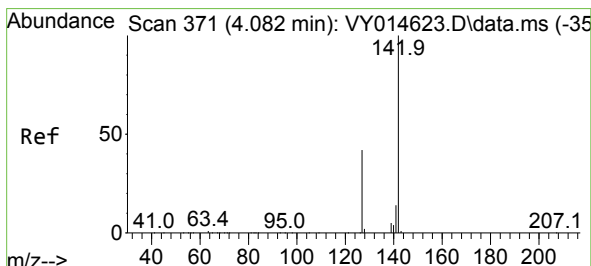
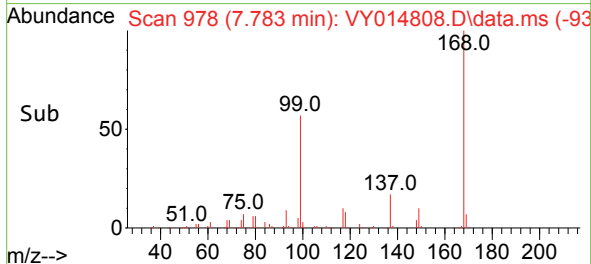
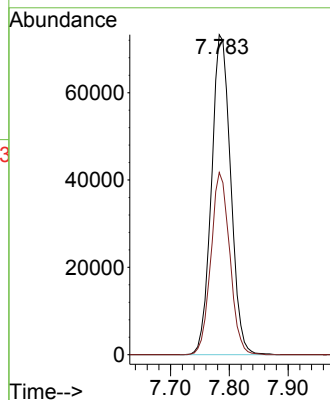
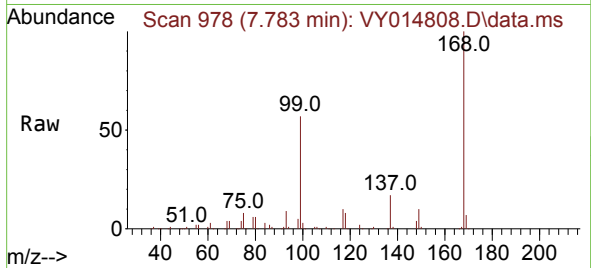




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014808.D
Acq: 25 Jul 2023 17:44

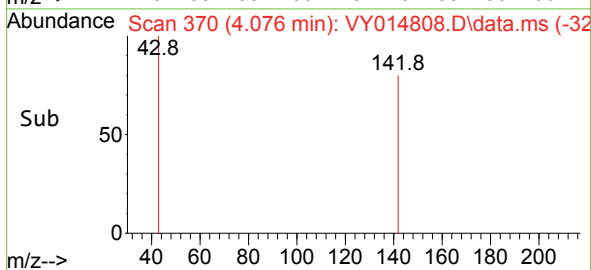
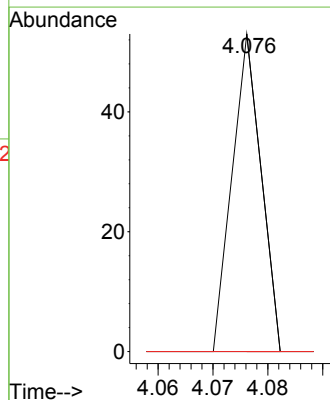
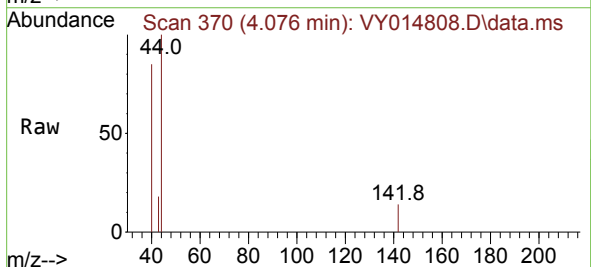
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-072423

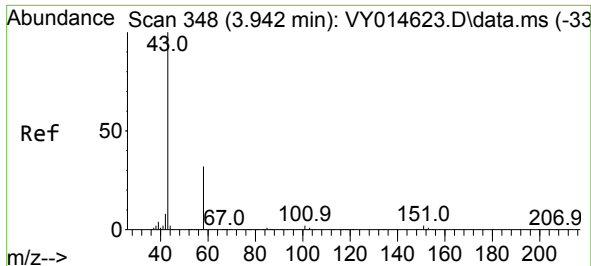
Tgt Ion:168 Resp: 166388
Ion Ratio Lower Upper
168 100
99 57.0 43.4 65.0



#10
Methyl Iodide
Concen: 2.379 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.006 min
Lab File: VY014808.D
Acq: 25 Jul 2023 17:44

Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

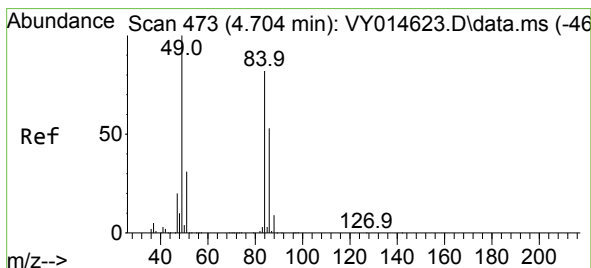
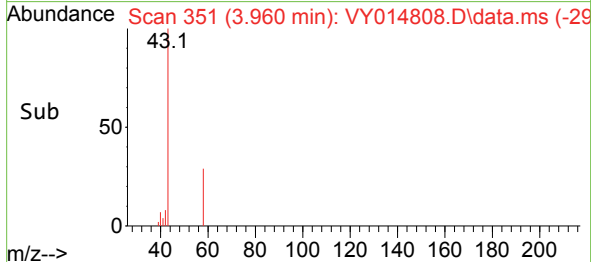
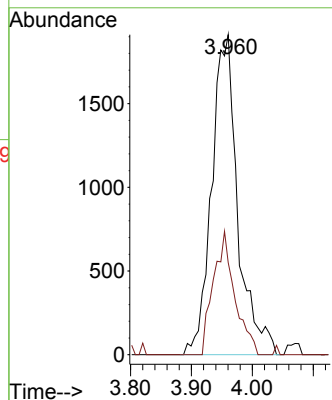
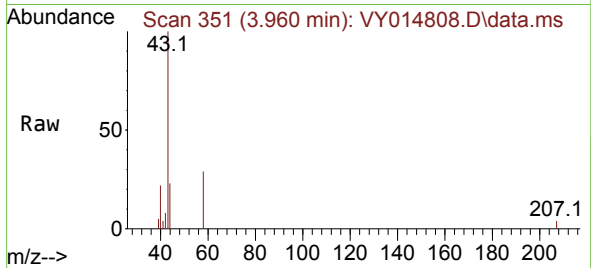




#16
Acetone
Concen: 9.457 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY014808.D
Acq: 25 Jul 2023 17:44

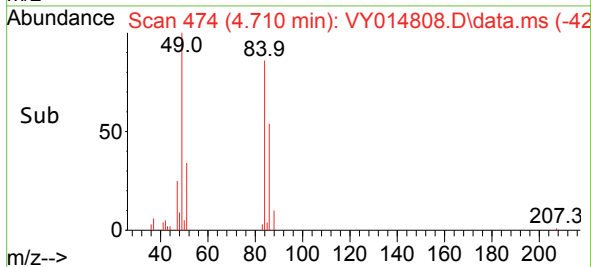
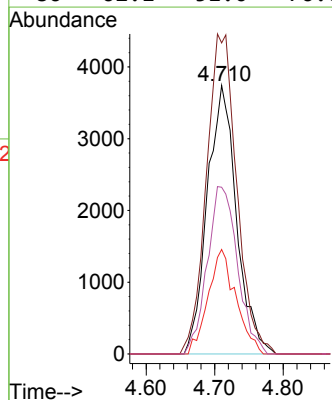
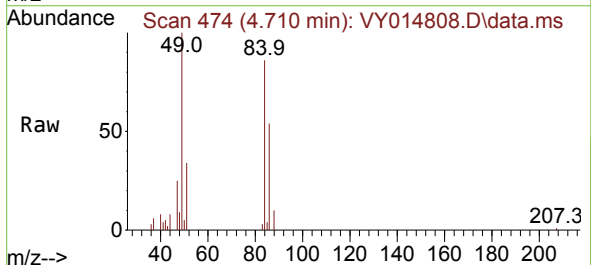
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-072423

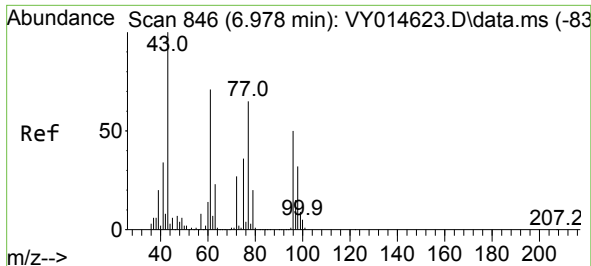
Tgt Ion: 43 Resp: 5682
Ion Ratio Lower Upper
43 100
58 28.8 22.7 34.1



#20
Methylene Chloride
Concen: 1.597 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014808.D
Acq: 25 Jul 2023 17:44

Tgt Ion: 84 Resp: 11096
Ion Ratio Lower Upper
84 100
49 115.8 106.9 160.3
51 38.9 33.2 49.8
86 62.1 51.0 76.6

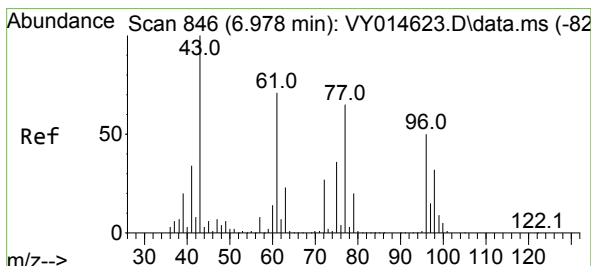
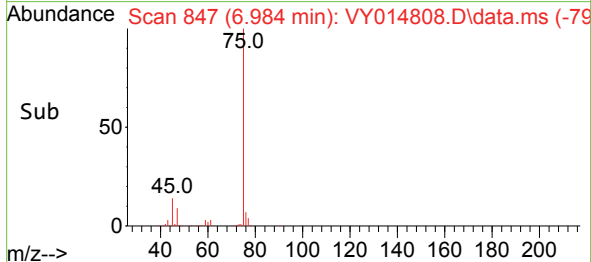
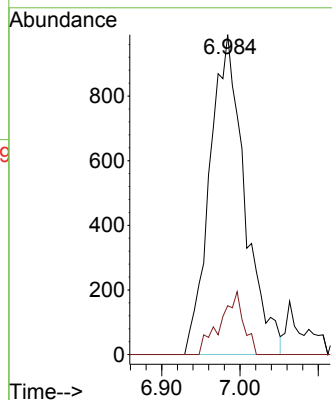
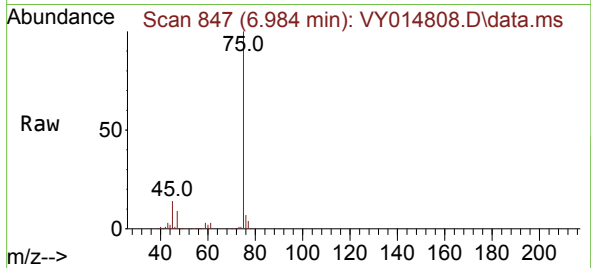




#25
2-Butanone
Concen: 3.487 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014808.D
Acq: 25 Jul 2023 17:44

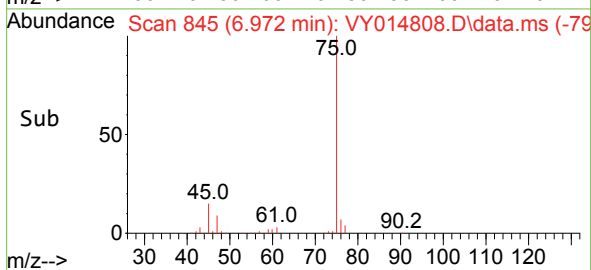
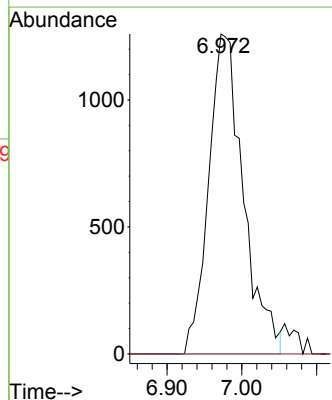
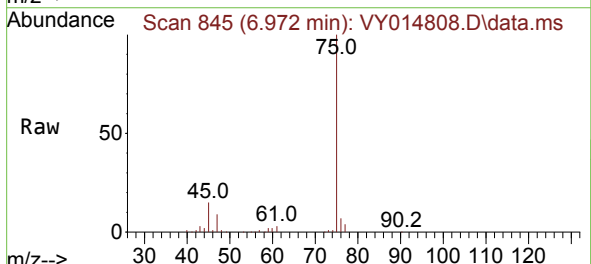
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-072423

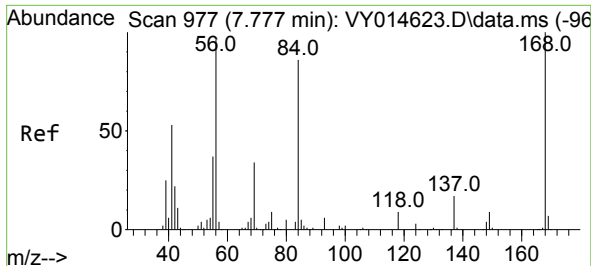
Tgt Ion: 43 Resp: 3065
Ion Ratio Lower Upper
43 100
72 15.3 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.258 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014808.D
Acq: 25 Jul 2023 17:44

Tgt Ion: 77 Resp: 4059
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

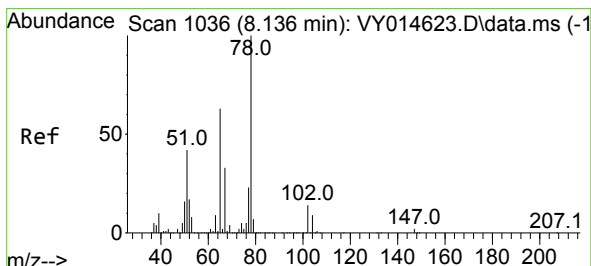
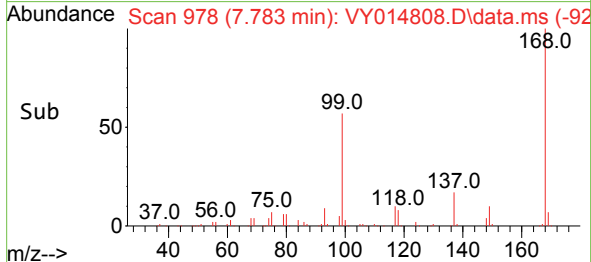
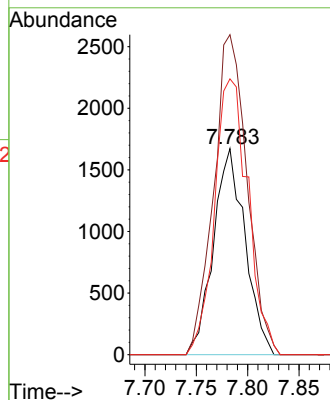
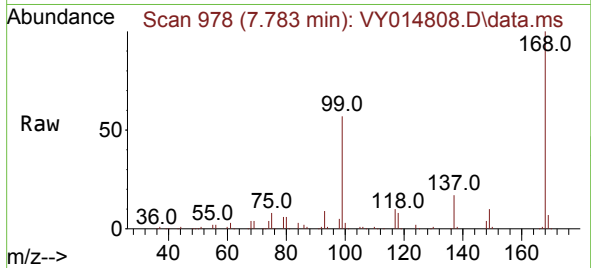




#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014808.D
Acq: 25 Jul 2023 17:44

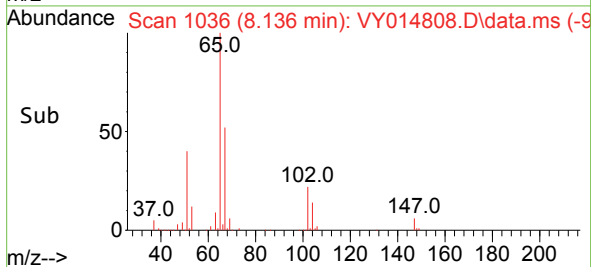
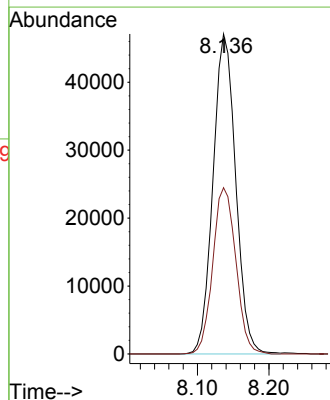
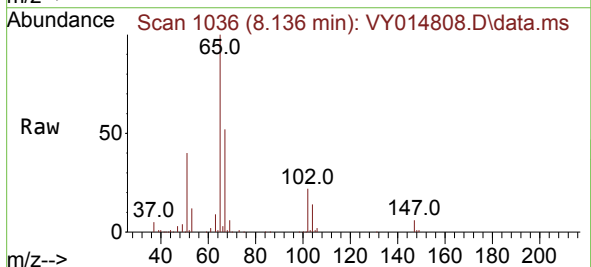
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-072423

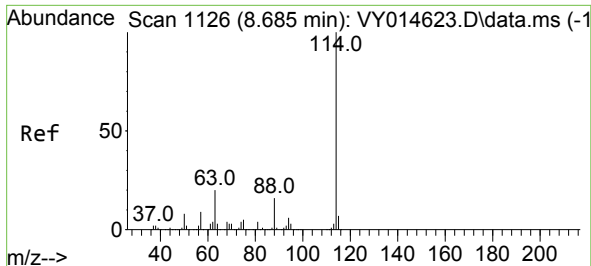
Tgt Ion: 56 Resp: 3583
Ion Ratio Lower Upper
56 100
69 155.2 27.8 41.6#
84 133.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.767 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014808.D
Acq: 25 Jul 2023 17:44

Tgt Ion: 65 Resp: 103841
Ion Ratio Lower Upper
65 100
67 52.8 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: VY014808.D

Acq: 25 Jul 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

TR-5-072423

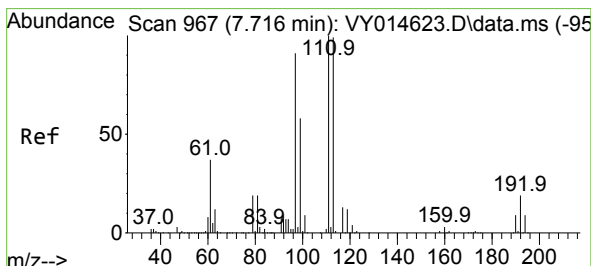
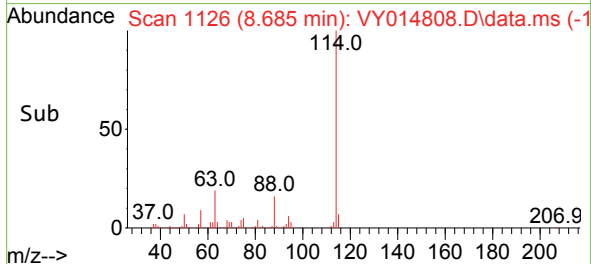
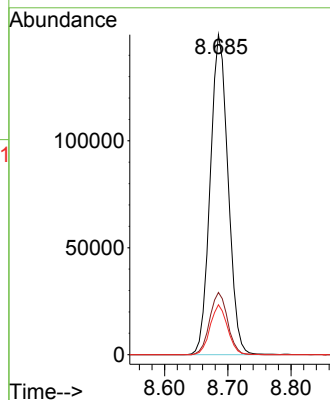
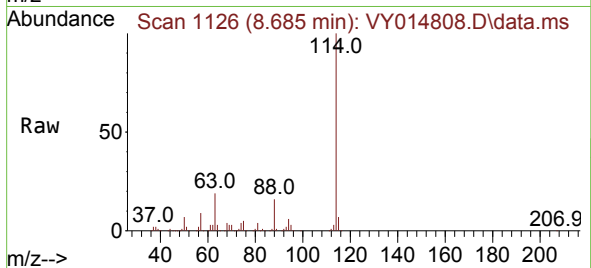
Tgt Ion:114 Resp: 293429

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.195 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014808.D

Acq: 25 Jul 2023 17:44

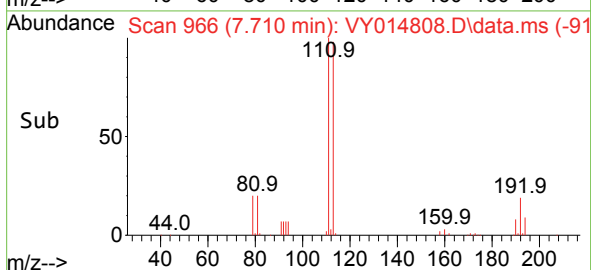
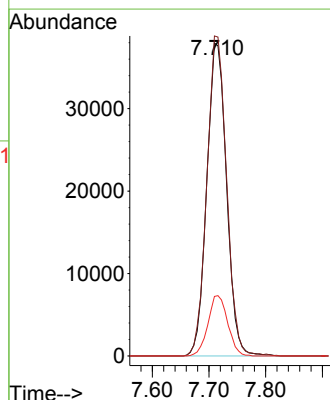
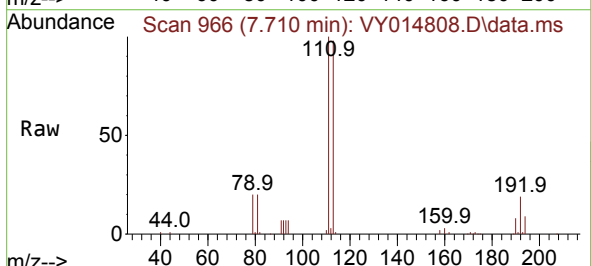
Tgt Ion:113 Resp: 91891

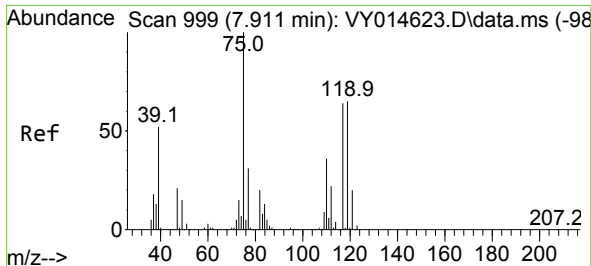
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

192 19.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.768 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY014808.D

Acq: 25 Jul 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

TR-5-072423

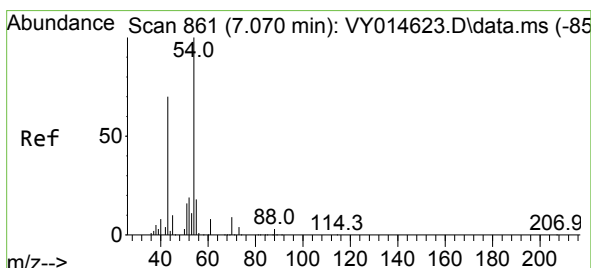
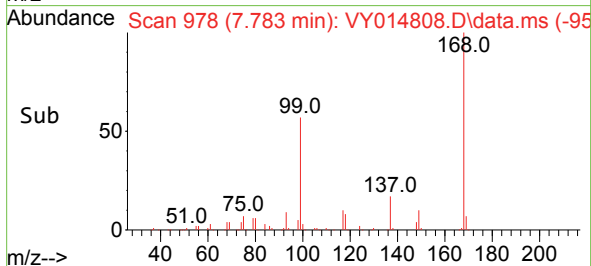
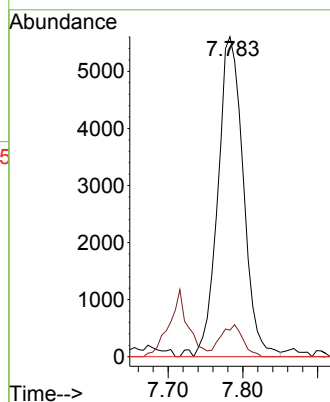
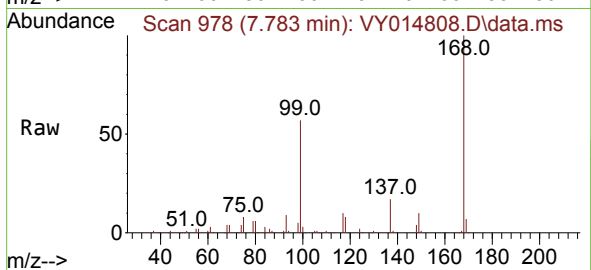
Tgt Ion: 75 Resp: 13320

Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.594 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY014808.D

Acq: 25 Jul 2023 17:44

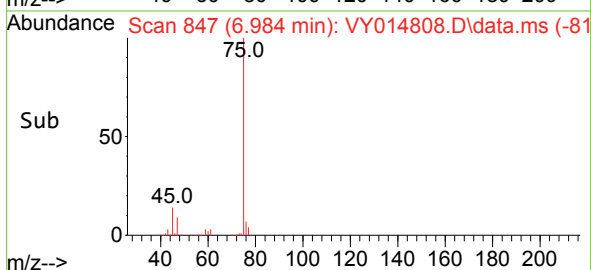
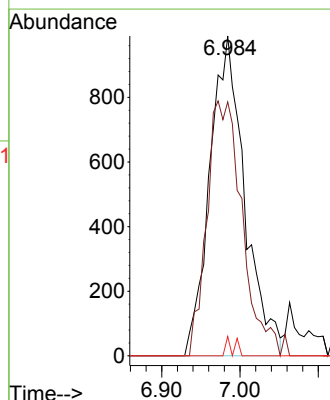
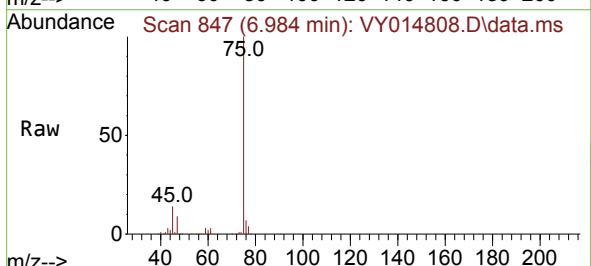
Tgt Ion: 43 Resp: 3065

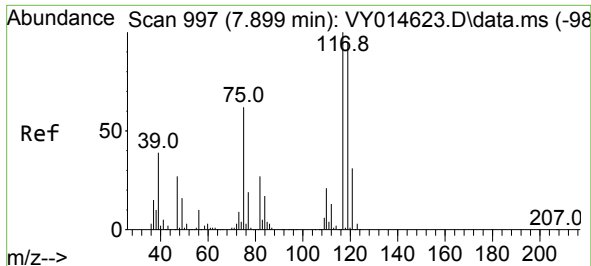
Ion Ratio Lower Upper

43 100

61 81.3 10.1 15.1#

70 1.4 7.1 10.7#

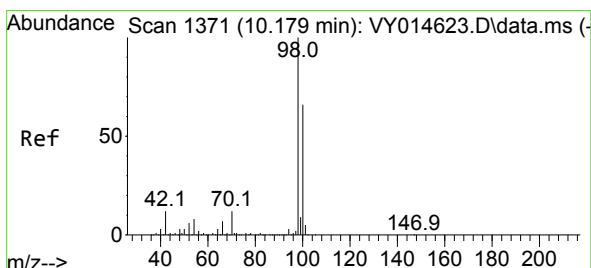
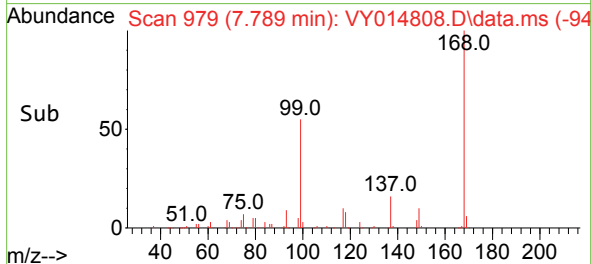
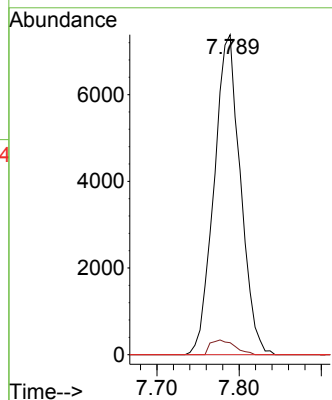
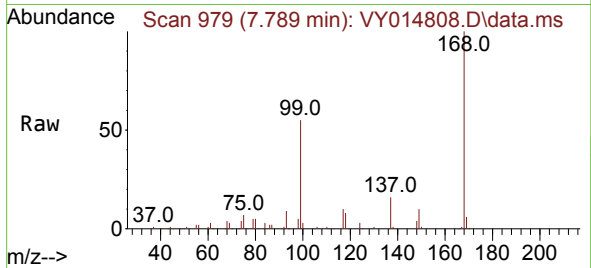




#38
Carbon Tetrachloride
Concen: 5.562 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014808.D
Acq: 25 Jul 2023 17:44

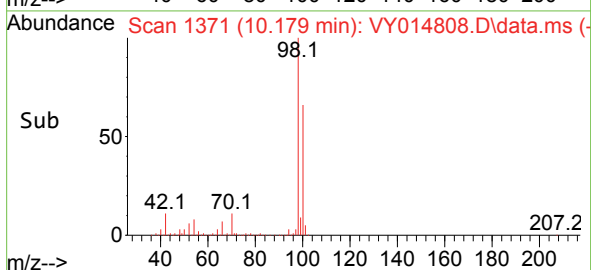
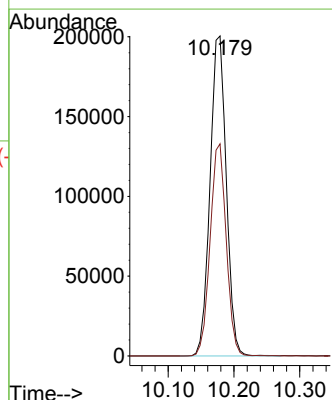
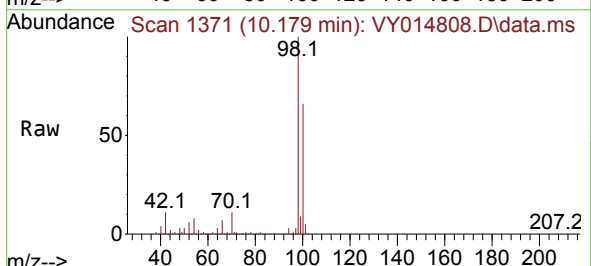
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-072423

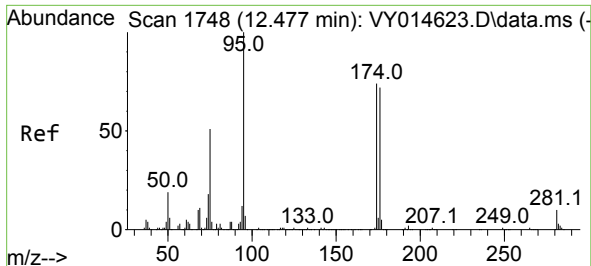
Tgt Ion:117 Resp: 16423
Ion Ratio Lower Upper
117 100
119 3.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.040 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014808.D
Acq: 25 Jul 2023 17:44

Tgt Ion: 98 Resp: 344605
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1

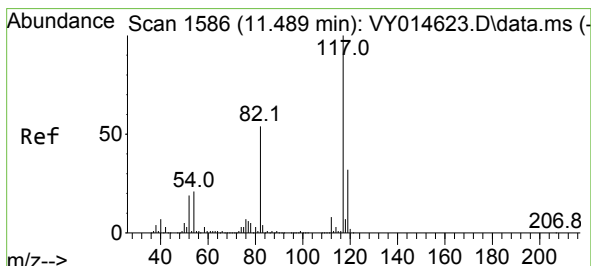
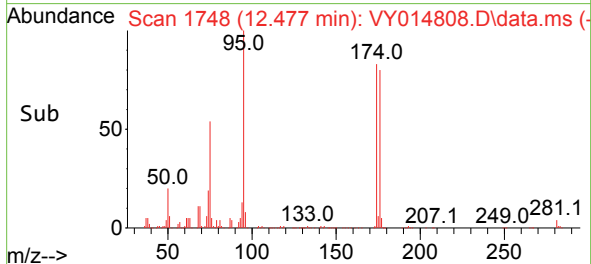
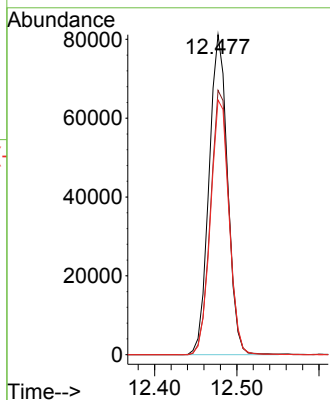
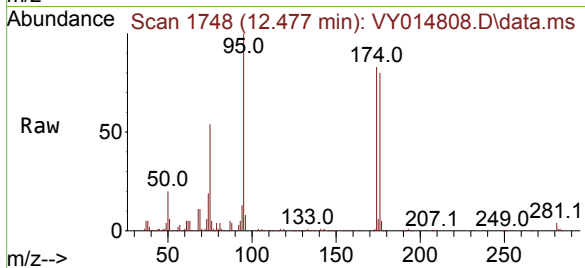




#62
4-Bromofluorobenzene
Concen: 48.226 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014808.D
Acq: 25 Jul 2023 17:44

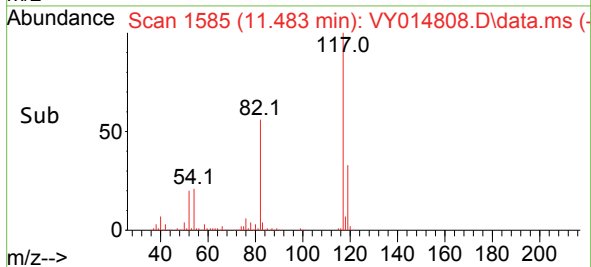
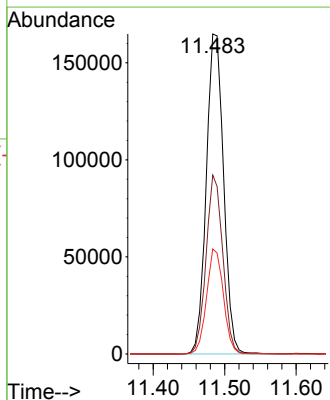
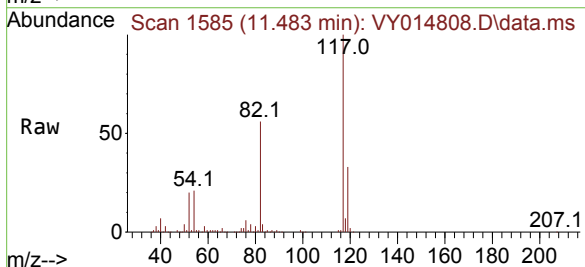
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-072423

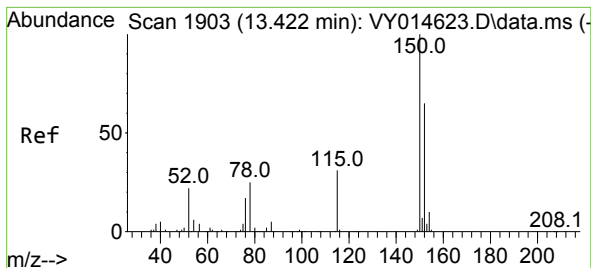
Tgt Ion: 95 Resp: 127343
Ion Ratio Lower Upper
95 100
174 82.7 0.0 178.2
176 79.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY014808.D
Acq: 25 Jul 2023 17:44

Tgt Ion: 117 Resp: 276708
Ion Ratio Lower Upper
117 100
82 55.9 43.4 65.0
119 32.8 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: VY014808.D

Acq: 25 Jul 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

TR-5-072423

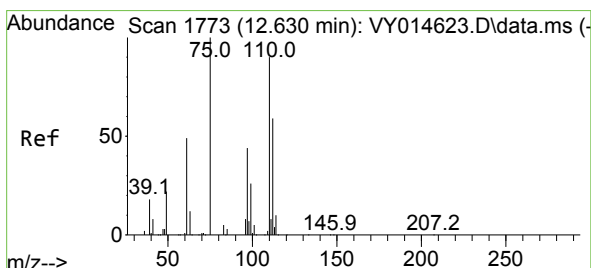
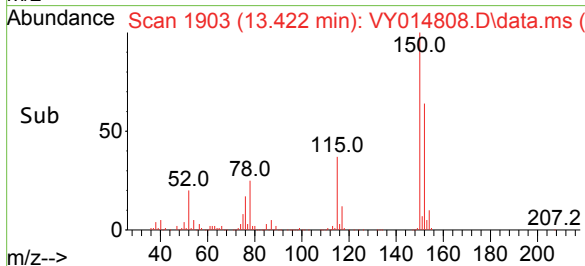
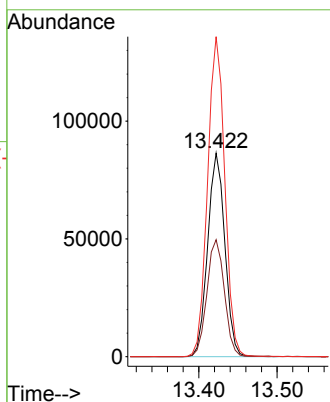
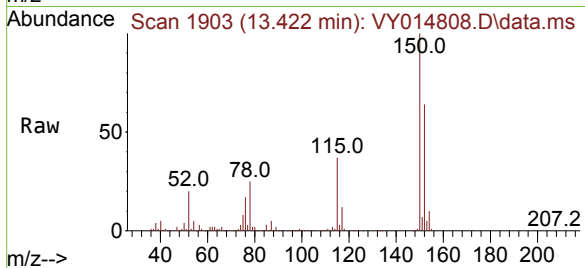
Tgt Ion:152 Resp: 131635

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 157.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.361 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014808.D

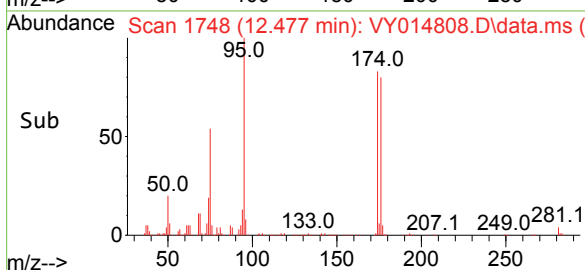
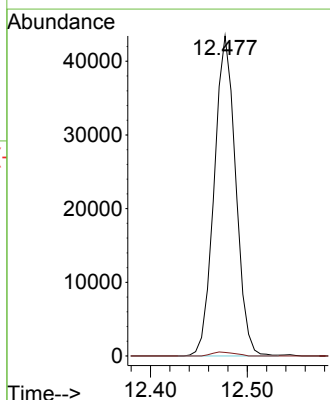
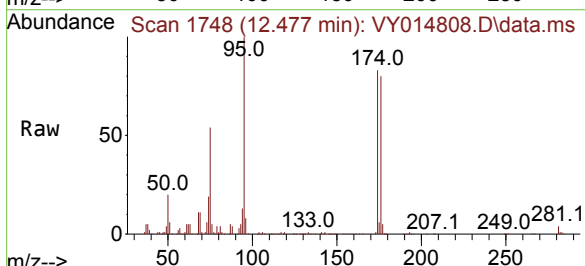
Acq: 25 Jul 2023 17:44

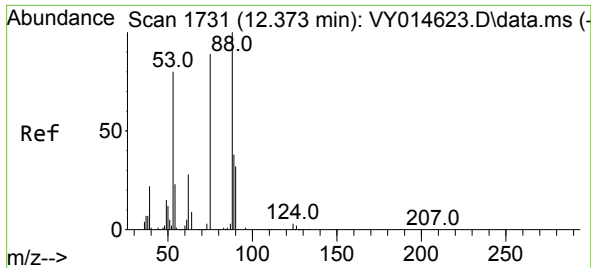
Tgt Ion: 75 Resp: 67100

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.145 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014808.D
 Acq: 25 Jul 2023 17:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-5-072423

Tgt Ion: 75 Resp: 67100
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

