

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071823\
 Data File : VY014707.D
 Acq On : 18 Jul 2023 17:31
 Operator : SY/MD
 Sample : 03641-21
 Misc : 3.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP16

Quant Time: Jul 19 04:07:12 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)

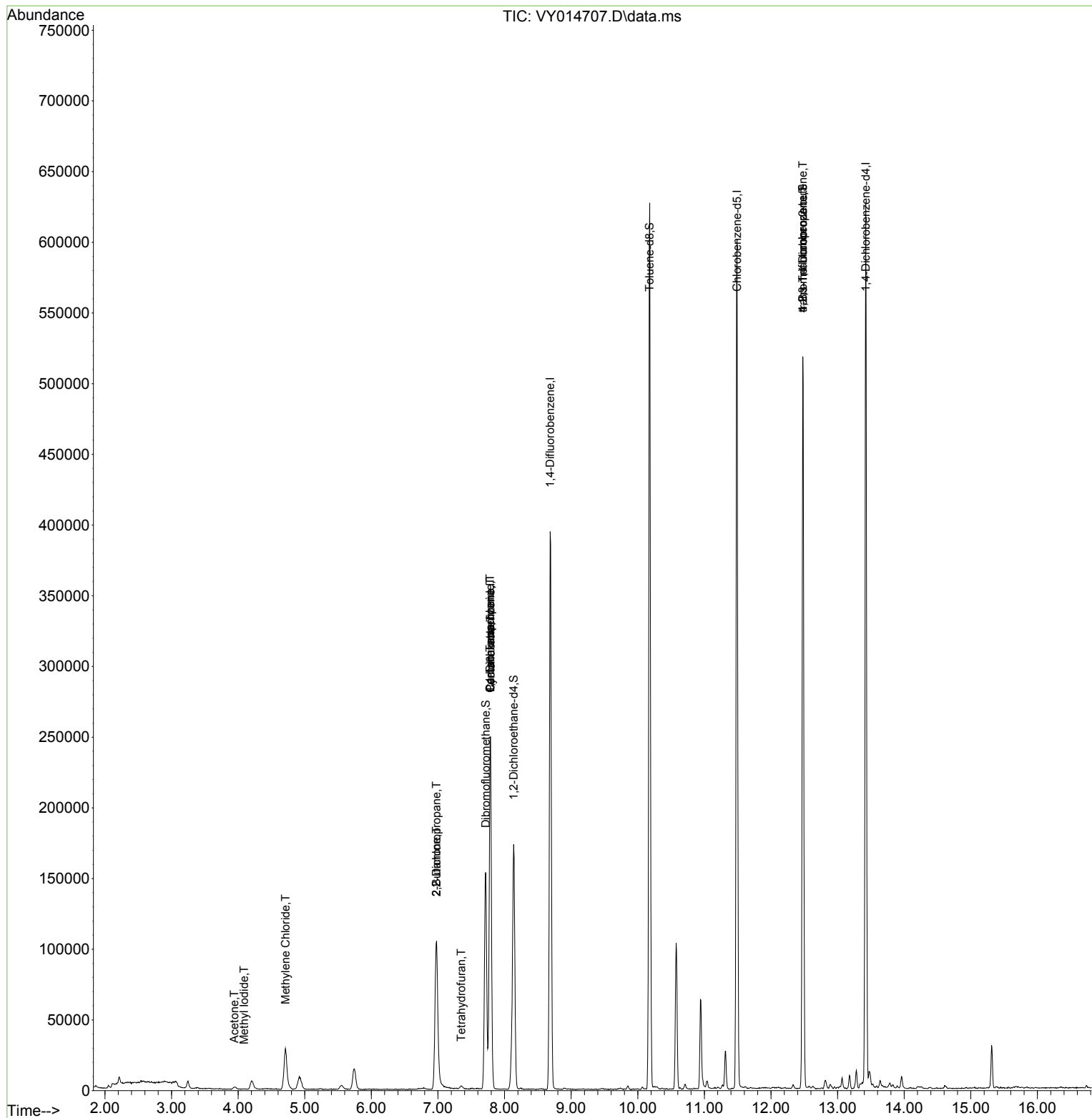
Internal Standards						
1) Pentafluorobenzene	7.789	168	196571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	344605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	327001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	155135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	125236	55.909	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.820%			
35) Dibromofluoromethane	7.716	113	108820	49.606	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.220%			
50) Toluene-d8	10.179	98	408085	50.458	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.920%			
62) 4-Bromofluorobenzene	12.477	95	153602	49.532	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.060%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	43	2.388	ug/l #	38
11) Tert butyl alcohol	4.918	59	4884	Below Cal	#	96
16) Acetone	3.942	43	3441	4.848	ug/l #	78
20) Methylene Chloride	4.710	84	21181	5.420	ug/l	86
25) 2-Butanone	6.978	43	6101	5.875	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	8283	2.174	ug/l #	54
29) Tetrahydrofuran	7.350	42	1749	2.735	ug/l	97
31) Cyclohexane	7.789	56	4363	1.173	ug/l #	18
36) 1,1-Dichloropropene	7.783	75	14860	4.530	ug/l #	49
38) Carbon Tetrachloride	7.783	117	19213	5.540	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	82303	42.006	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	82303	81.331	ug/l #	11

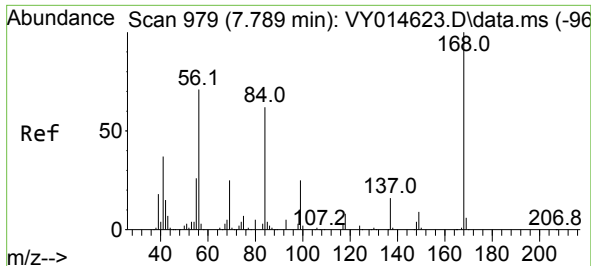
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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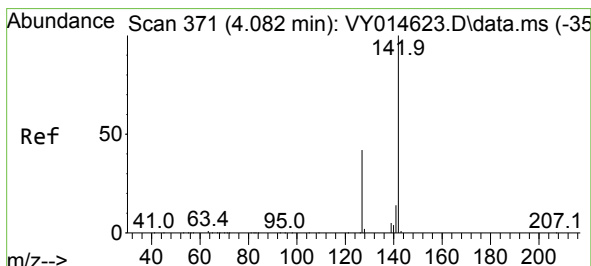
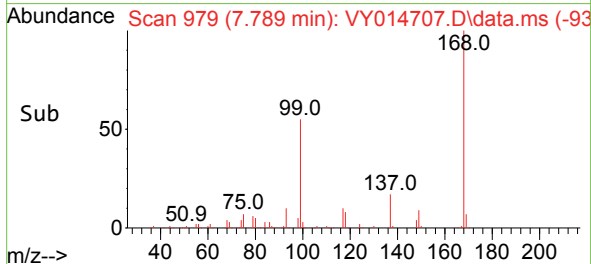
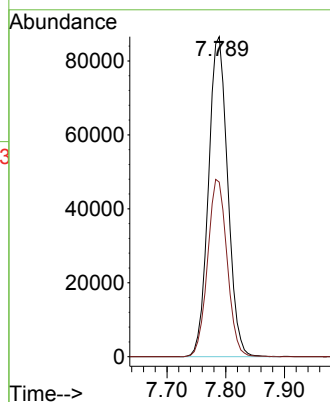
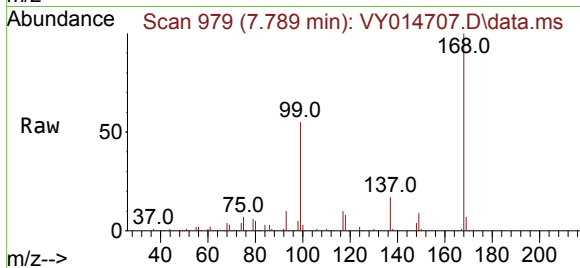




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014707.D
Acq: 18 Jul 2023 17:31

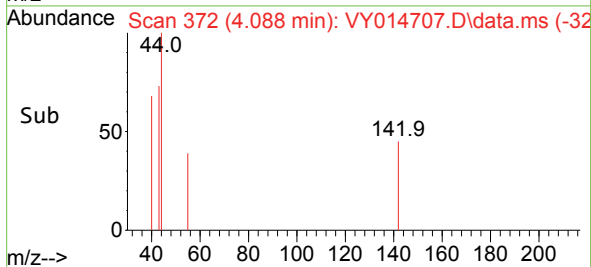
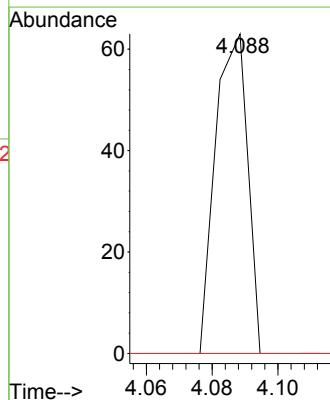
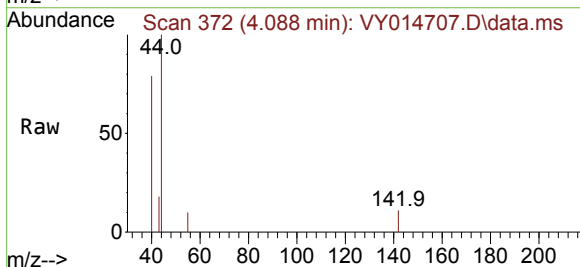
Instrument :
MSVOA_Y
ClientSampleId :
TP16

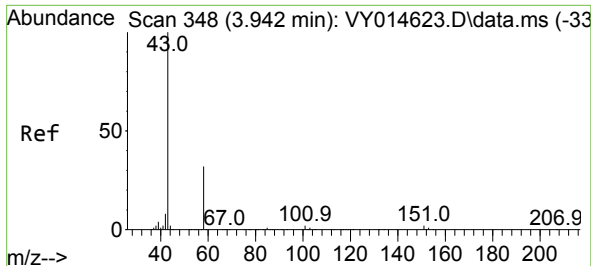
Tgt Ion:168 Resp: 196571
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#10
Methyl Iodide
Concen: 2.388 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014707.D
Acq: 18 Jul 2023 17:31

Tgt Ion:142 Resp: 43
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

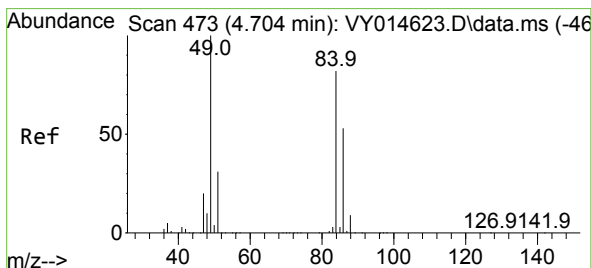
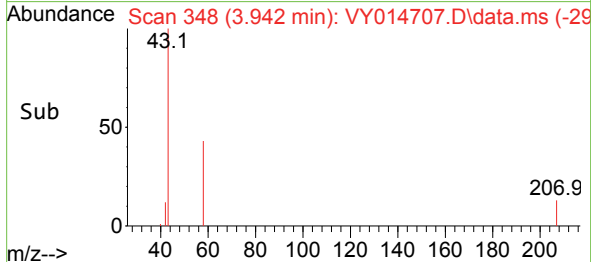
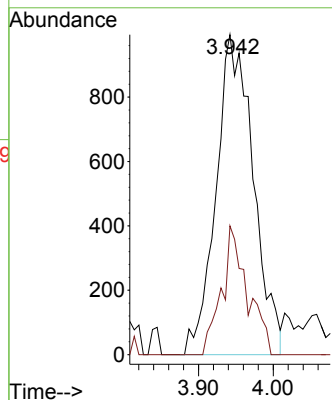
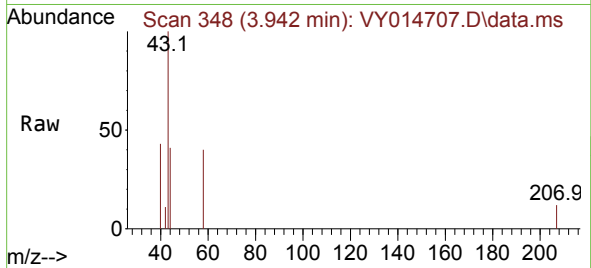




#16
Acetone
Concen: 4.848 ug/l
RT: 3.942 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY014707.D
Acq: 18 Jul 2023 17:31

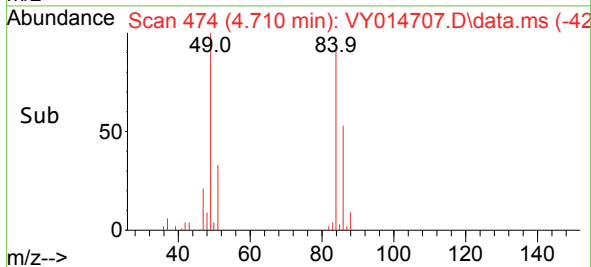
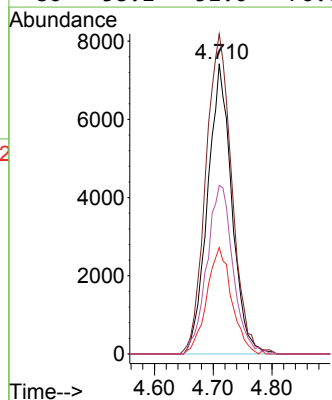
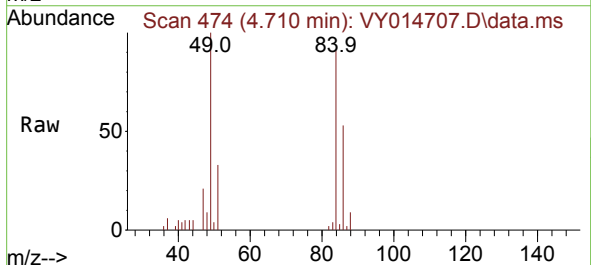
Instrument :
MSVOA_Y
ClientSampleId :
TP16

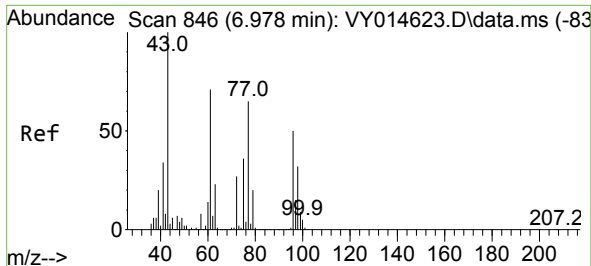
Tgt Ion: 43 Resp: 3441
Ion Ratio Lower Upper
43 100
58 40.2 22.7 34.1#



#20
Methylene Chloride
Concen: 5.420 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014707.D
Acq: 18 Jul 2023 17:31

Tgt Ion: 84 Resp: 21181
Ion Ratio Lower Upper
84 100
49 110.2 106.9 160.3
51 36.6 33.2 49.8
86 58.1 51.0 76.6





#25

2-Butanone

Concen: 5.875 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY014707.D

Acq: 18 Jul 2023 17:31

Instrument :

MSVOA_Y

ClientSampleId :

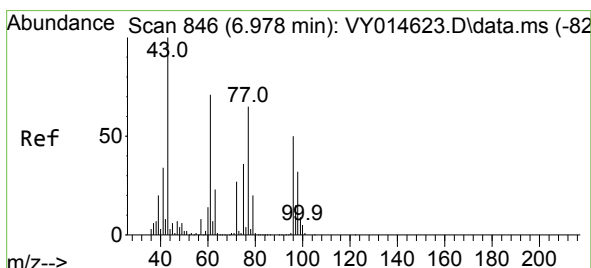
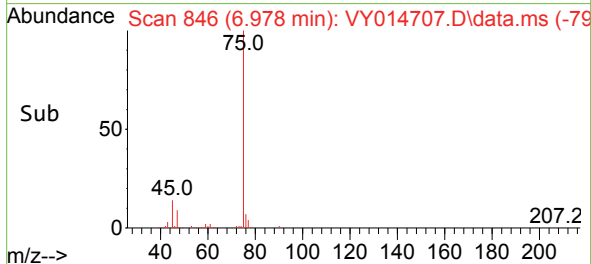
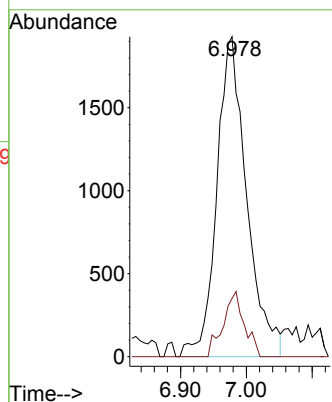
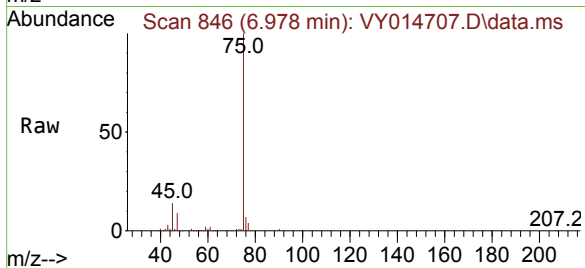
TP16

Tgt Ion: 43 Resp: 6101

Ion Ratio Lower Upper

43 100

72 18.2 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 2.174 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY014707.D

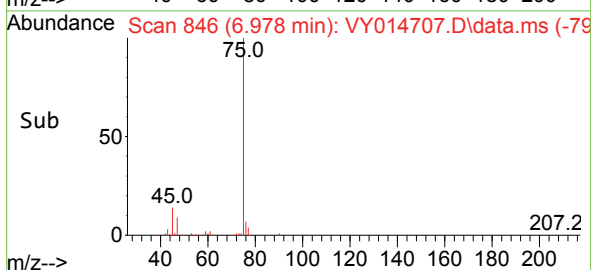
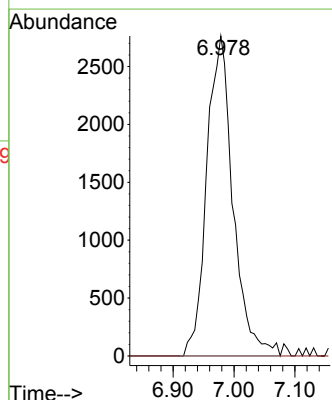
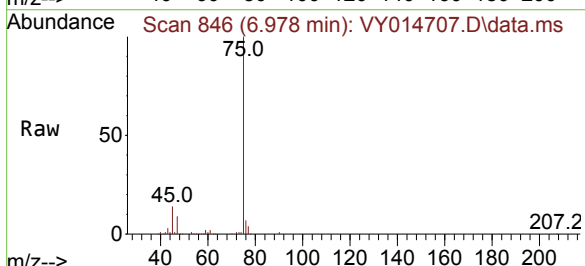
Acq: 18 Jul 2023 17:31

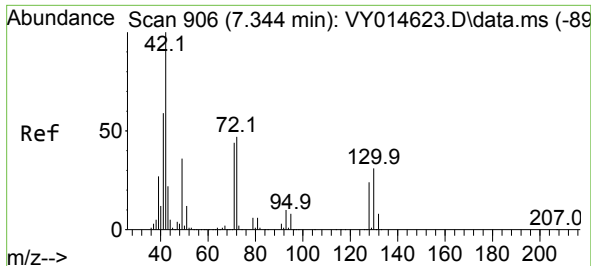
Tgt Ion: 77 Resp: 8283

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 2.735 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY014707.D

Acq: 18 Jul 2023 17:31

Instrument :

MSVOA_Y

ClientSampleId :

TP16

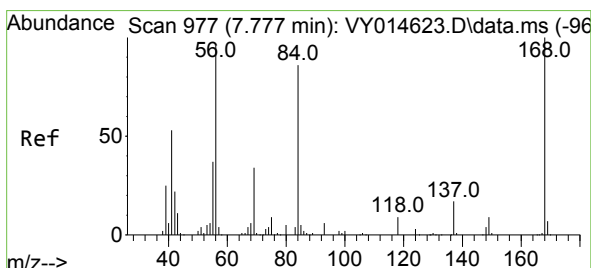
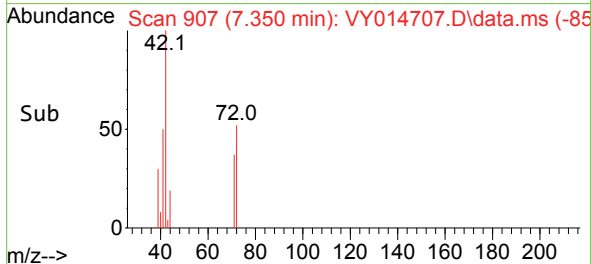
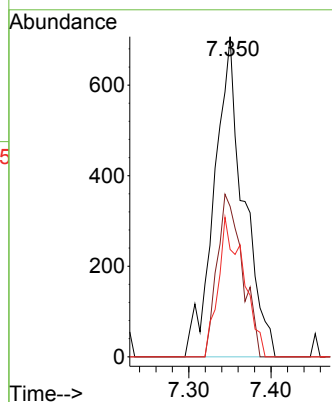
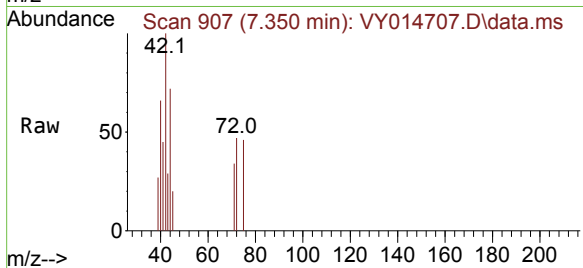
Tgt Ion: 42 Resp: 1749

Ion Ratio Lower Upper

42 100

72 43.5 32.8 49.2

71 37.4 31.0 46.4



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY014707.D

Acq: 18 Jul 2023 17:31

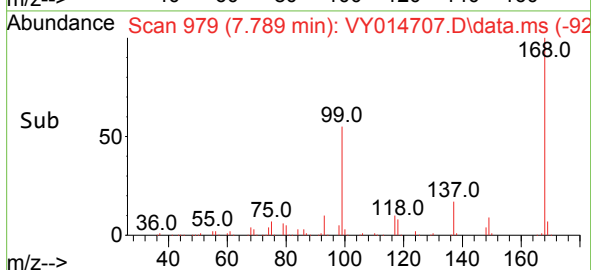
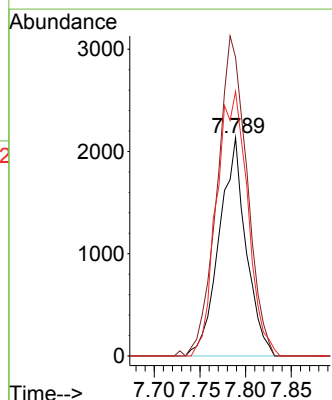
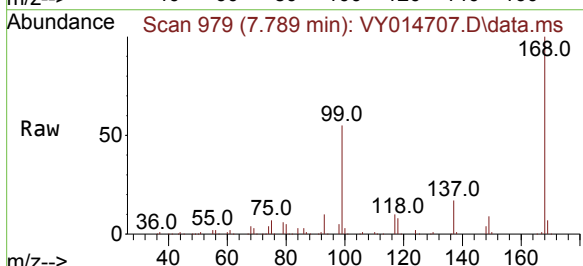
Tgt Ion: 56 Resp: 4363

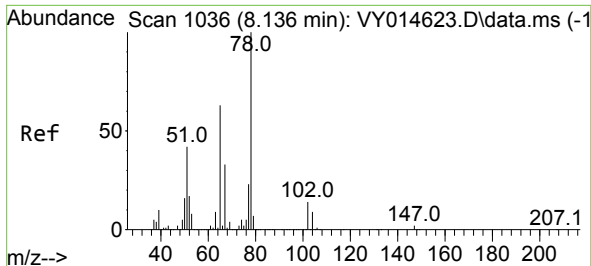
Ion Ratio Lower Upper

56 100

69 136.8 27.8 41.6#

84 121.2 66.4 99.6#

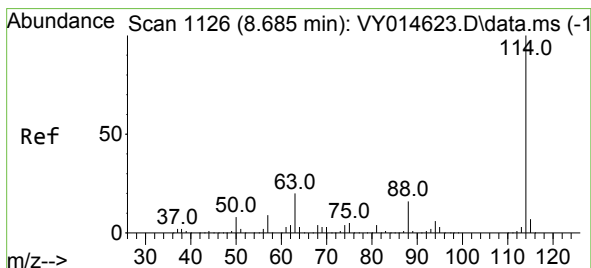
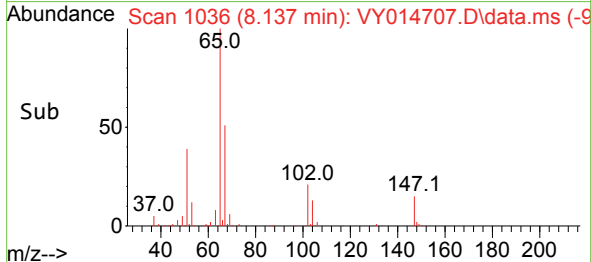
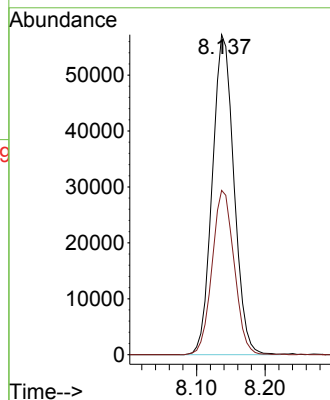
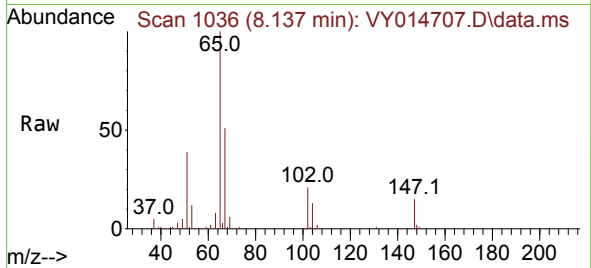




#33
 1,2-Dichloroethane-d4
 Concen: 55.909 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. 0.001 min
 Lab File: VY014707.D
 Acq: 18 Jul 2023 17:31

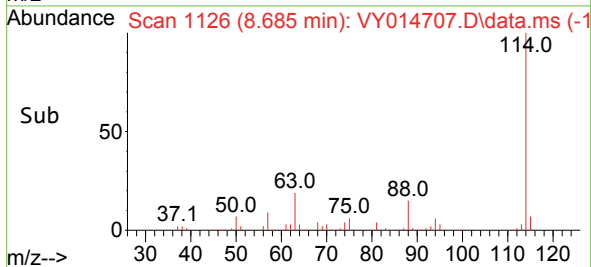
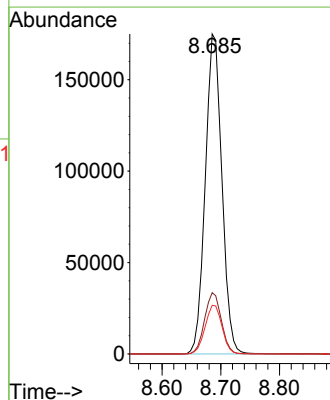
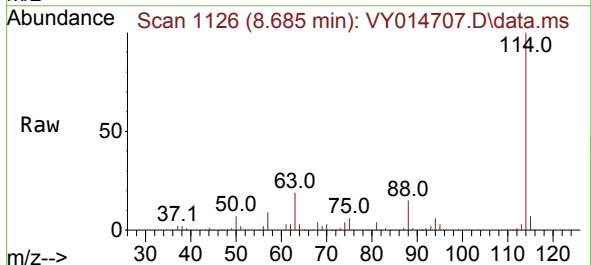
Instrument :
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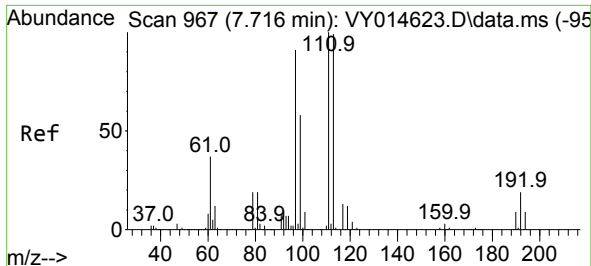
Tgt Ion: 65 Resp: 125236
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014707.D
 Acq: 18 Jul 2023 17:31

Tgt Ion: 114 Resp: 344605
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 42.4
 88 15.2 0.0 30.6

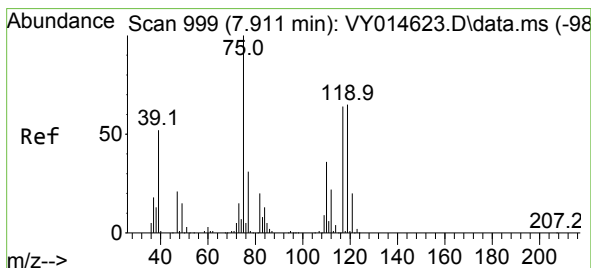
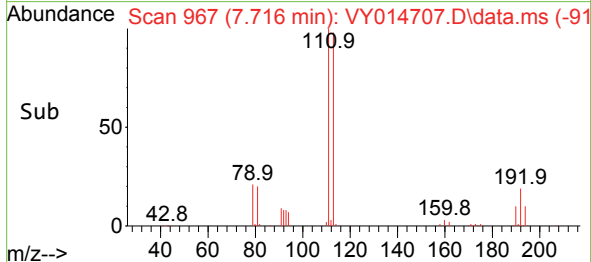
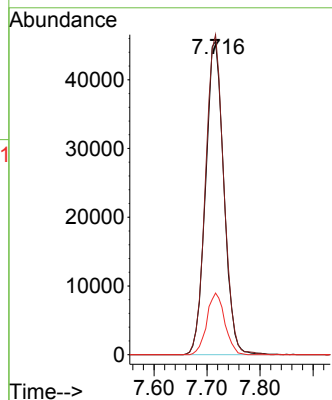
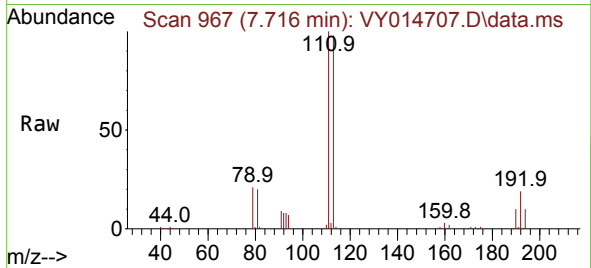




#35
Dibromofluoromethane
Concen: 49.606 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY014707.D
Acq: 18 Jul 2023 17:31

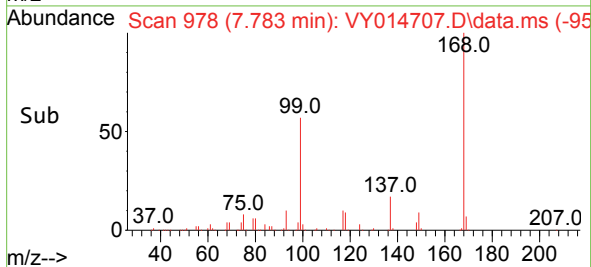
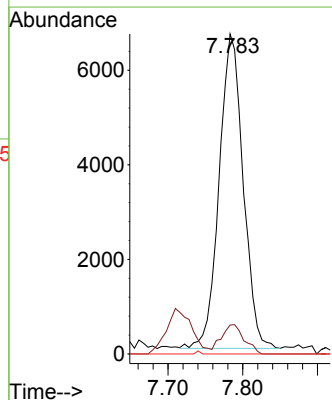
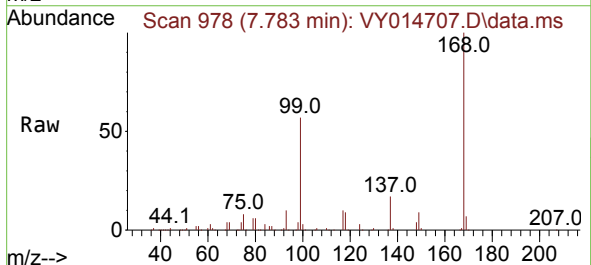
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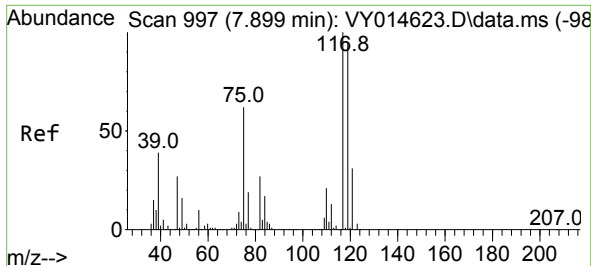
Tgt Ion:113 Resp: 108820
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.530 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014707.D
Acq: 18 Jul 2023 17:31

Tgt Ion: 75 Resp: 14860
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 24.4 36.6#

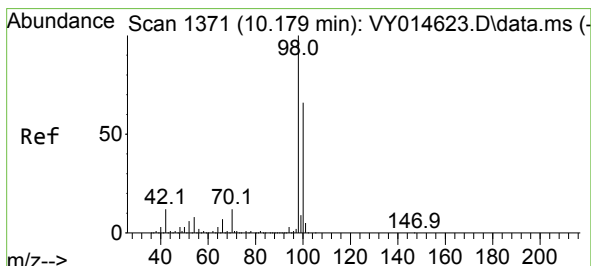
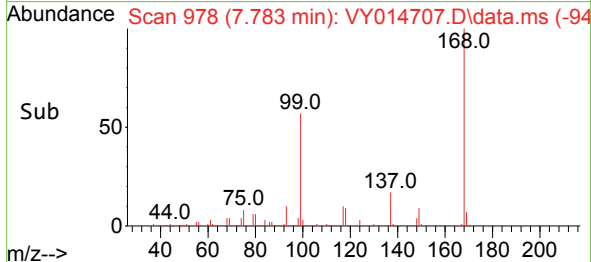
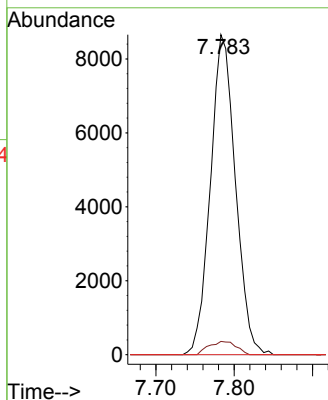
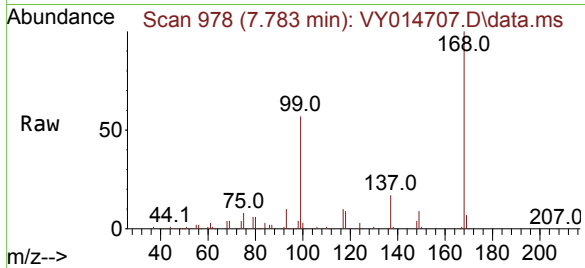




#38
Carbon Tetrachloride
Concen: 5.540 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014707.D
Acq: 18 Jul 2023 17:31

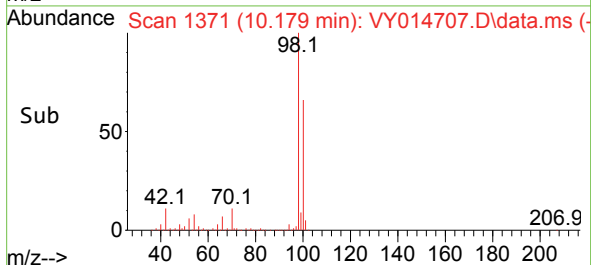
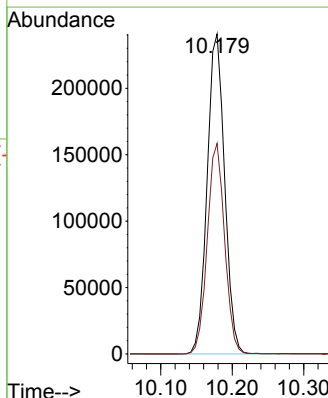
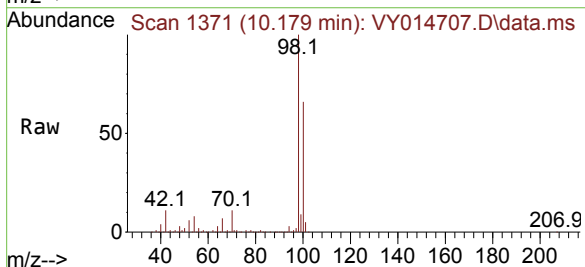
Instrument :
MSVOA_Y
ClientSampleId :
TP16

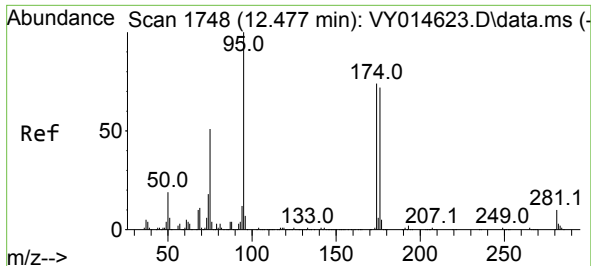
Tgt Ion:117 Resp: 19213
Ion Ratio Lower Upper
117 100
119 4.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.458 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014707.D
Acq: 18 Jul 2023 17:31

Tgt Ion: 98 Resp: 408085
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1

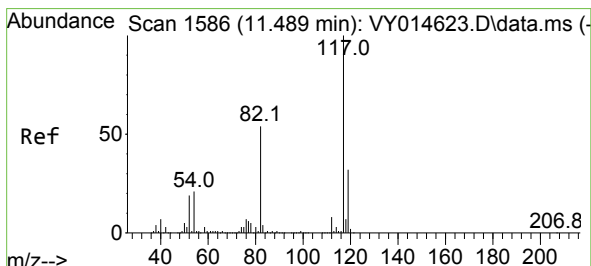
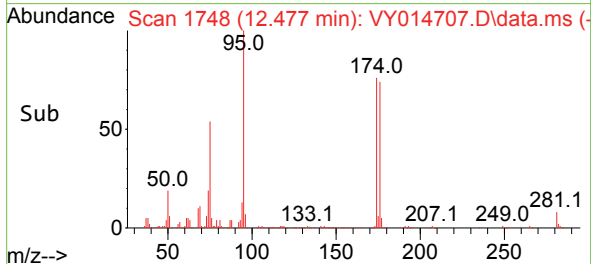
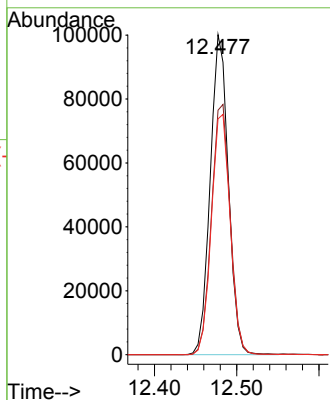
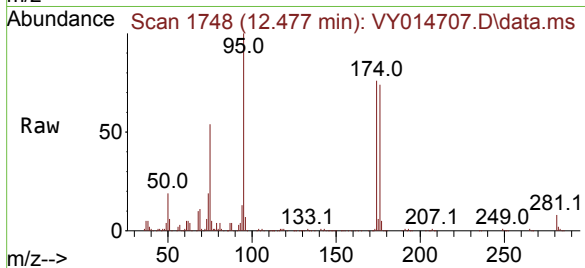




#62
4-Bromofluorobenzene
Concen: 49.532 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014707.D
Acq: 18 Jul 2023 17:31

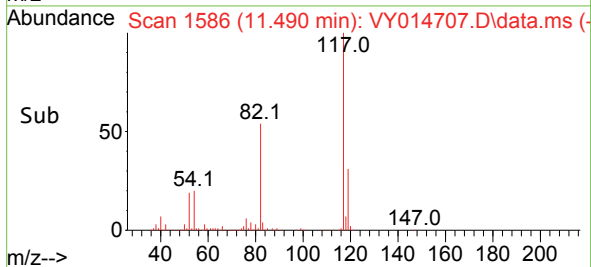
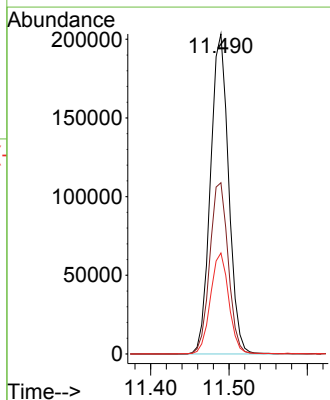
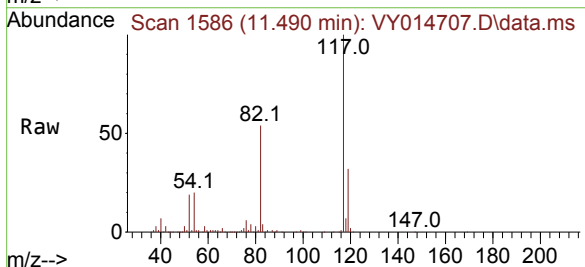
Instrument :
MSVOA_Y
ClientSampleId :
TP16

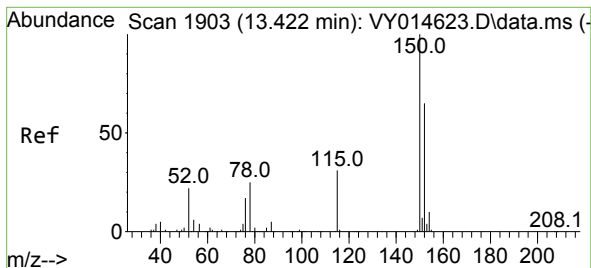
Tgt Ion: 95 Resp: 153602
Ion Ratio Lower Upper
95 100
174 81.1 0.0 178.2
176 77.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014707.D
Acq: 18 Jul 2023 17:31

Tgt Ion: 117 Resp: 327001
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 31.5 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: VY014707.D

Acq: 18 Jul 2023 17:31

Instrument :

MSVOA_Y

ClientSampleId :

TP16

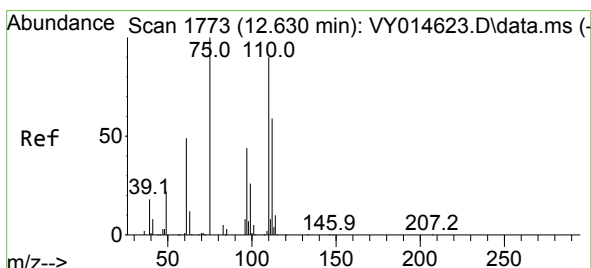
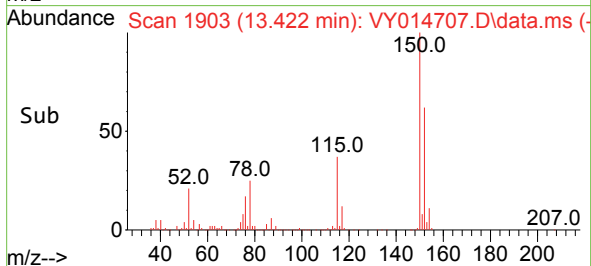
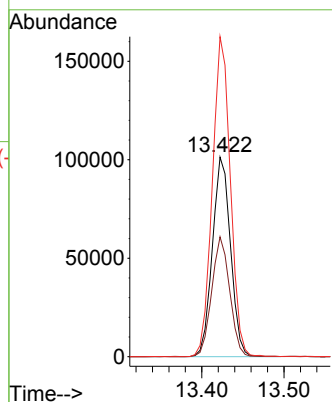
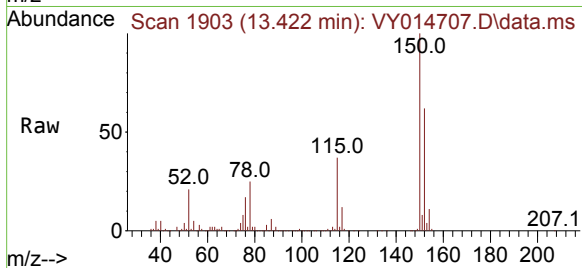
Tgt Ion:152 Resp: 155135

Ion Ratio Lower Upper

152 100

115 59.2 28.8 86.5

150 159.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 42.006 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014707.D

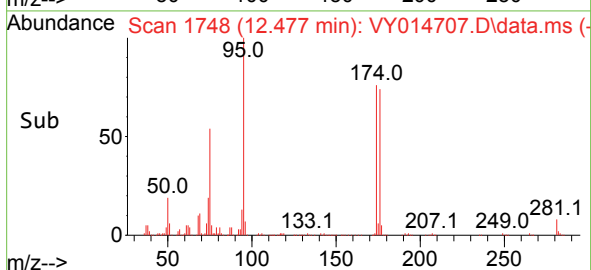
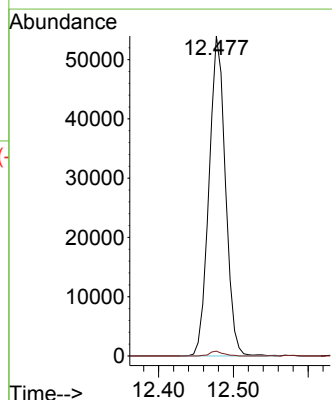
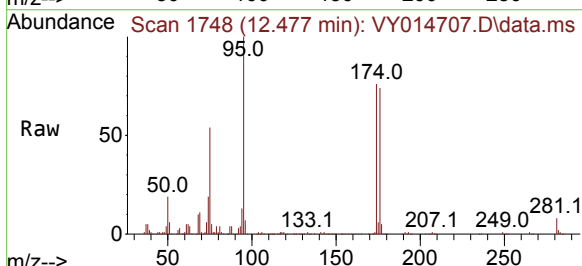
Acq: 18 Jul 2023 17:31

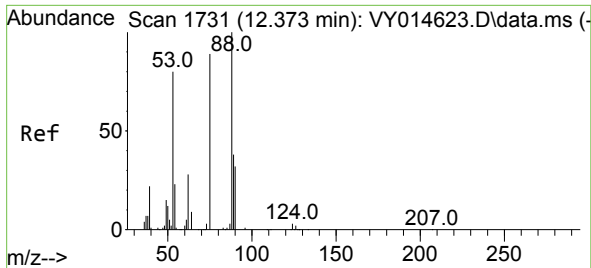
Tgt Ion: 75 Resp: 82303

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.331 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014707.D
 Acq: 18 Jul 2023 17:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP16

Tgt Ion: 75 Resp: 82303
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.3 37.4 56.0#

