

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071823\
 Data File : VY014706.D
 Acq On : 18 Jul 2023 17:08
 Operator : SY/MD
 Sample : 03641-11
 Misc : 4.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP14

Quant Time: Jul 19 04:06:51 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)

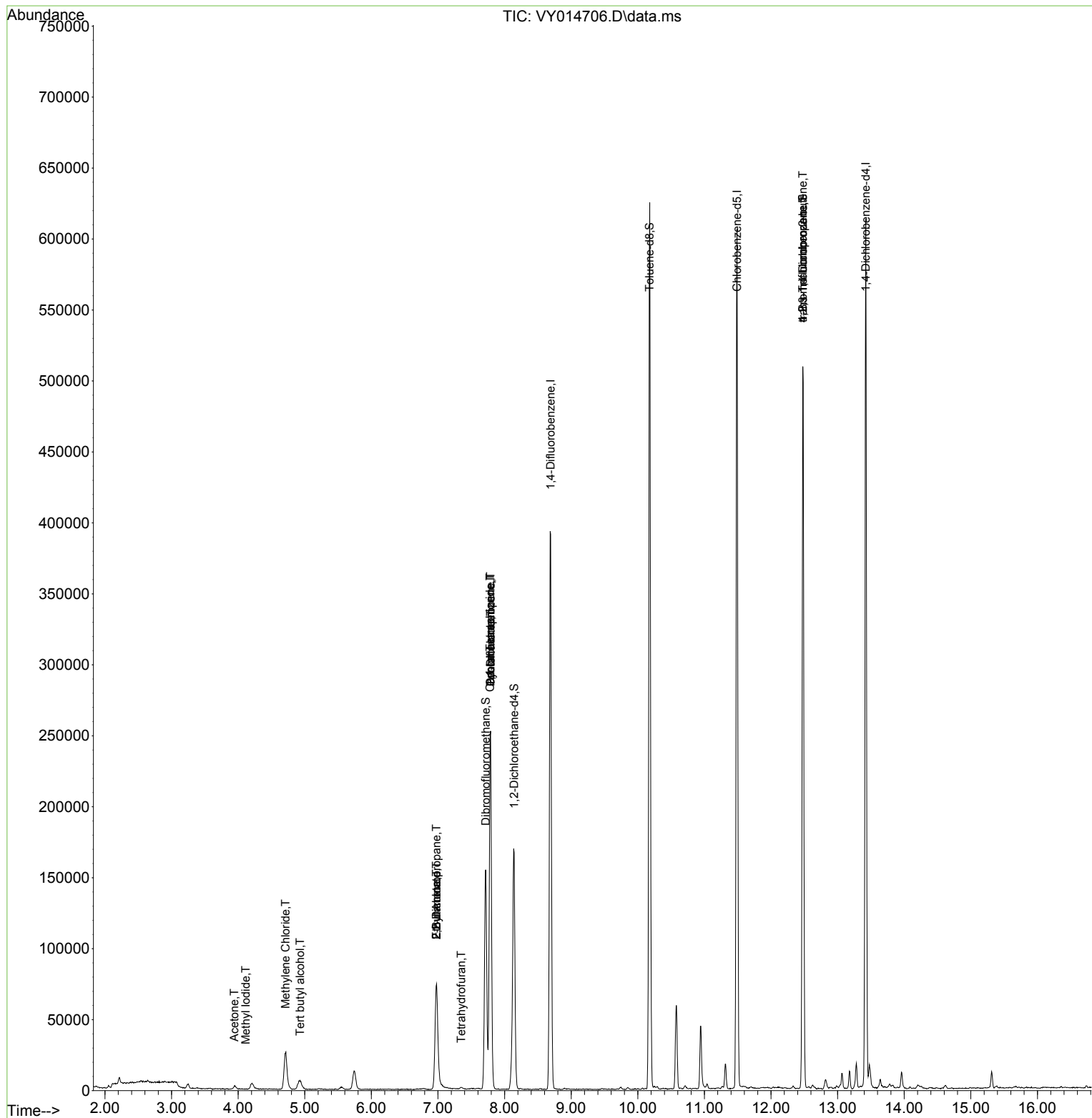
Internal Standards						
1) Pentafluorobenzene	7.789	168	198596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	343603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	326931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	125659	55.526	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.060%
35) Dibromofluoromethane	7.716	113	109231	49.939	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.880%
50) Toluene-d8	10.179	98	409248	50.749	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.500%
62) 4-Bromofluorobenzene	12.477	95	152780	49.410	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.820%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.113	142	22	2.379	ug/l #	38
11) Tert butyl alcohol	4.930	59	7197	3.655	ug/l #	93
16) Acetone	3.942	43	3982	5.553	ug/l	91
20) Methylene Chloride	4.710	84	20150	4.835	ug/l	89
25) 2-Butanone	6.978	43	4441	4.233	ug/l #	71
26) 2,2-Dichloropropane	6.978	77	5778	1.501	ug/l #	54
29) Tetrahydrofuran	7.350	42	933	1.444	ug/l #	91
31) Cyclohexane	7.789	56	4234	1.127	ug/l #	6
36) 1,1-Dichloropropene	7.789	75	15495	4.737	ug/l #	50
37) Ethyl Acetate	6.978	43	4441	1.972	ug/l #	1
38) Carbon Tetrachloride	7.783	117	19906	5.757	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	80325	41.145	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	80325	79.663	ug/l #	11

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

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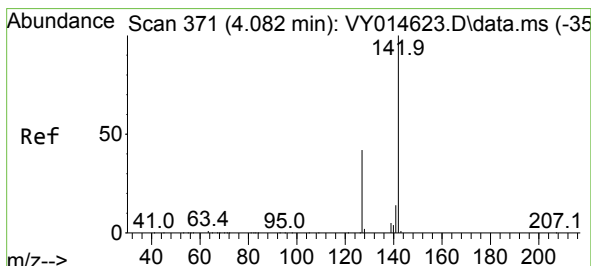
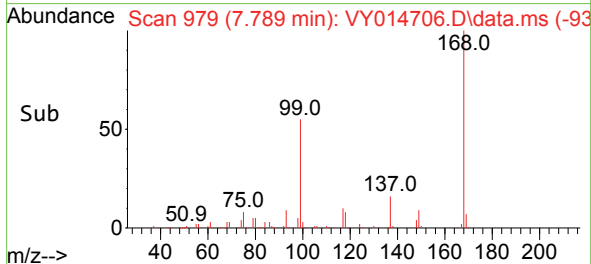
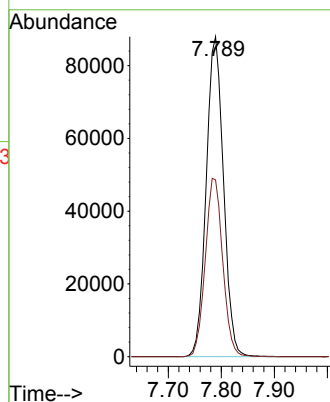
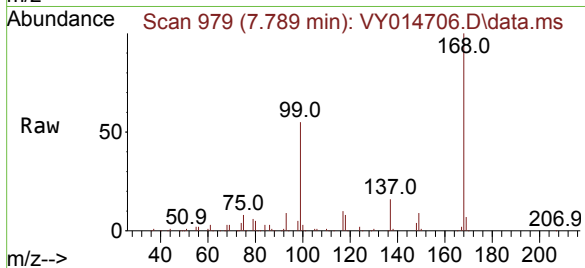




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

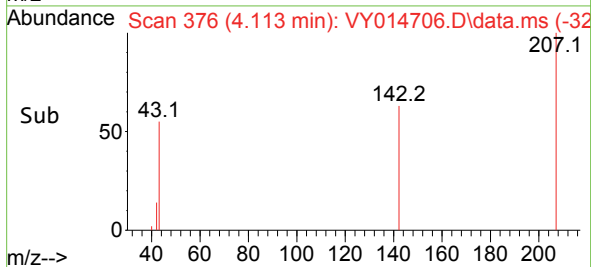
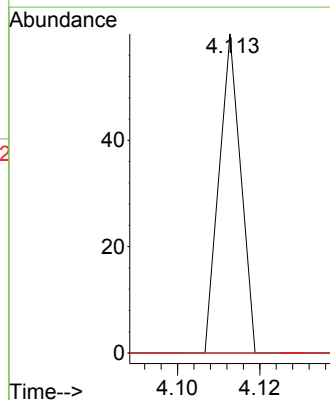
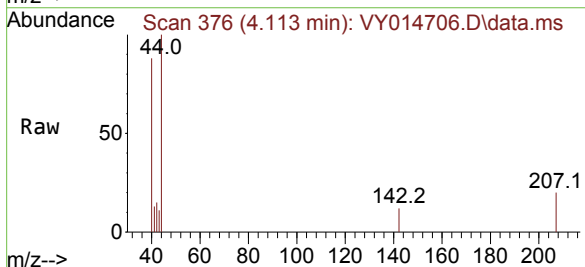
Instrument :
MSVOA_Y
ClientSampleId :
TP14

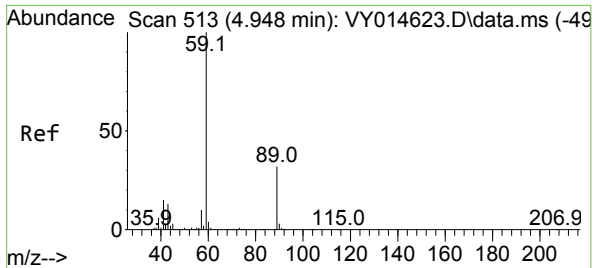
Tgt Ion:168 Resp: 198596
Ion Ratio Lower Upper
168 100
99 55.2 43.4 65.0



#10
Methyl Iodide
Concen: 2.379 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.031 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

Tgt Ion:142 Resp: 22
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

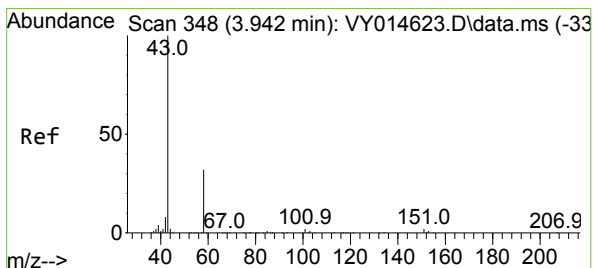
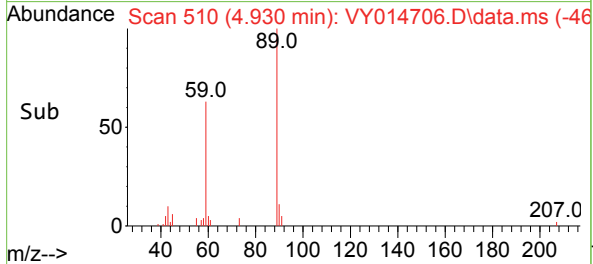
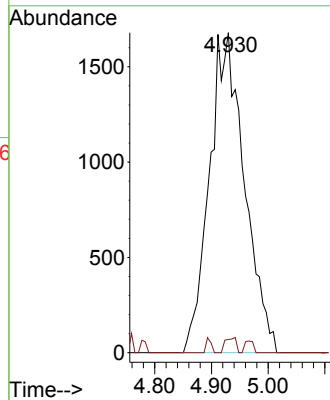
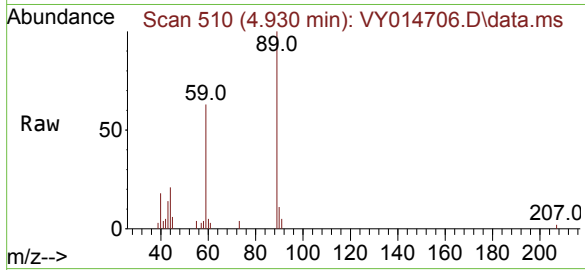




#11
Tert butyl alcohol
Concen: 3.655 ug/l
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

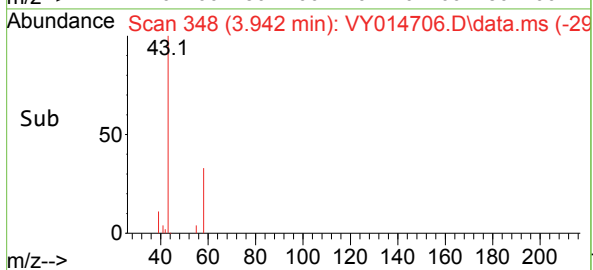
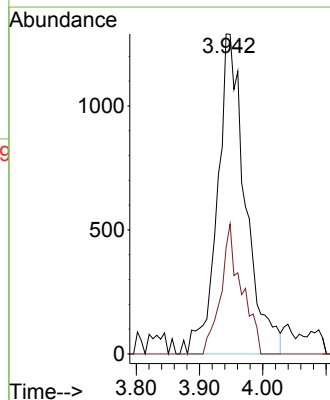
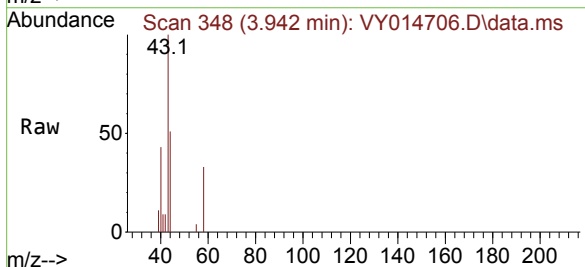
Instrument :
MSVOA_Y
ClientSampleId :
TP14

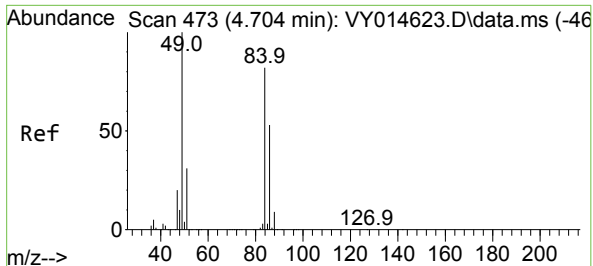
Tgt Ion: 59 Resp: 7197
Ion Ratio Lower Upper
59 100
57 1.5 3.0 4.4#



#16
Acetone
Concen: 5.553 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

Tgt Ion: 43 Resp: 3982
Ion Ratio Lower Upper
43 100
58 33.3 22.7 34.1



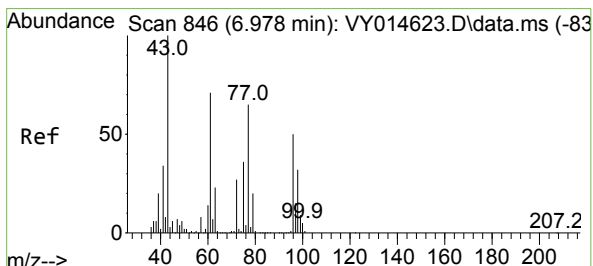
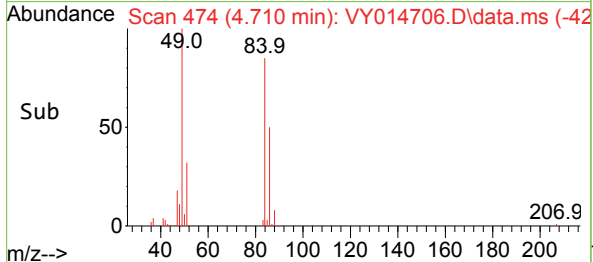
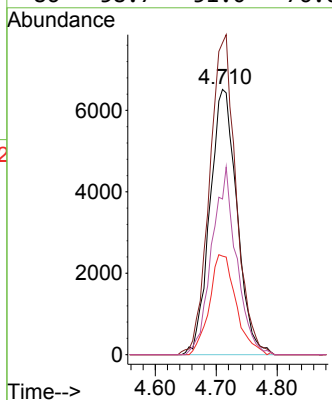
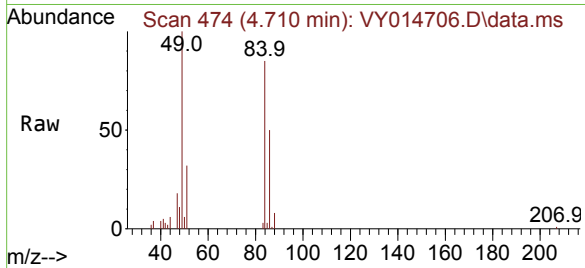


#20
Methylene Chloride
Concen: 4.835 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

Instrument :
MSVOA_Y
ClientSampleId :
TP14

Tgt Ion: 84 Resp: 20150

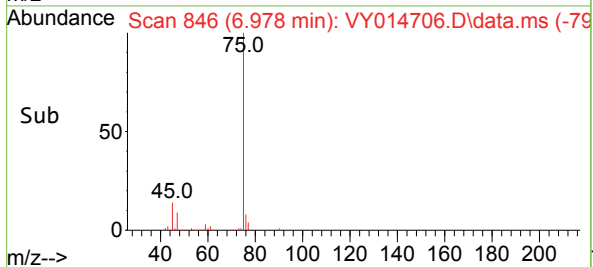
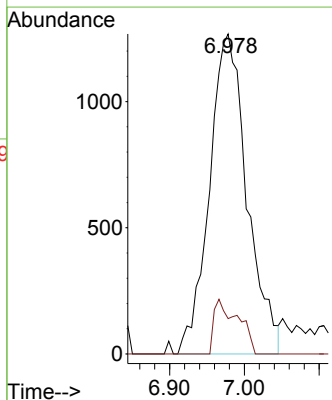
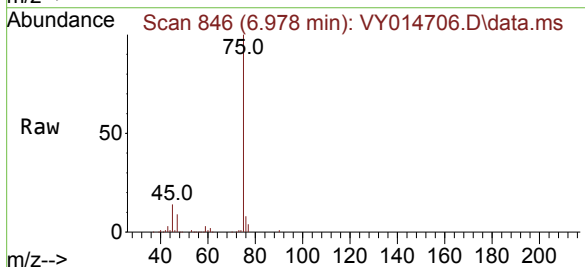
Ion	Ratio	Lower	Upper
84	100		
49	117.6	106.9	160.3
51	37.1	33.2	49.8
86	58.7	51.0	76.6

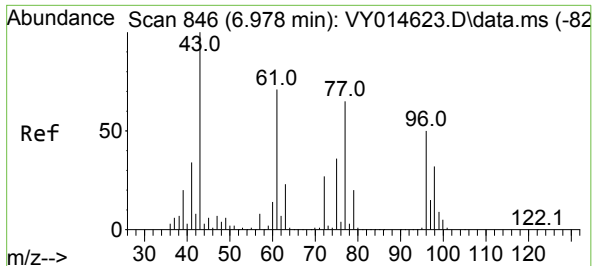


#25
2-Butanone
Concen: 4.233 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

Tgt Ion: 43 Resp: 4441

Ion	Ratio	Lower	Upper
43	100		
72	11.0	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 1.501 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY014706.D

Acq: 18 Jul 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :

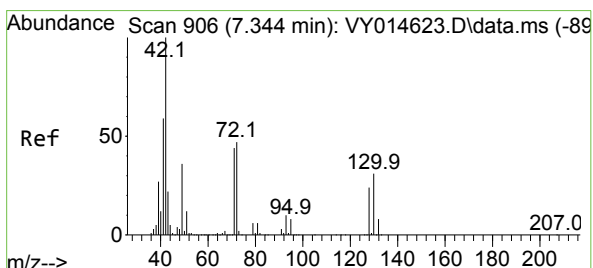
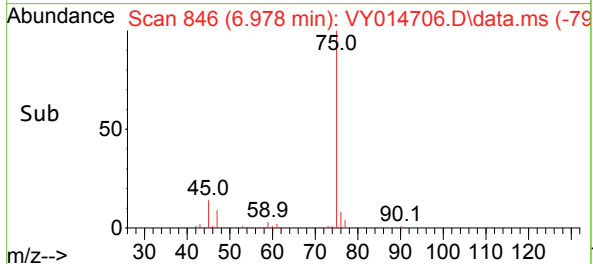
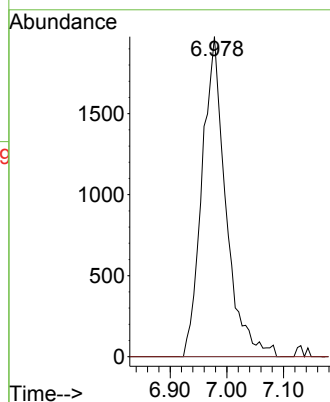
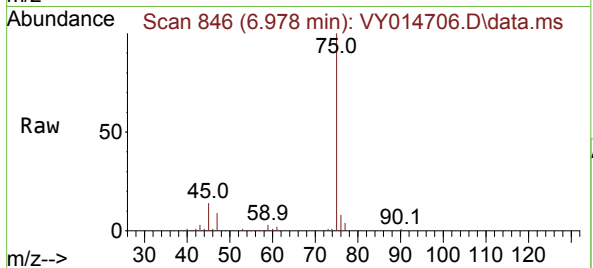
TP14

Tgt Ion: 77 Resp: 5778

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 1.444 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014706.D

Acq: 18 Jul 2023 17:08

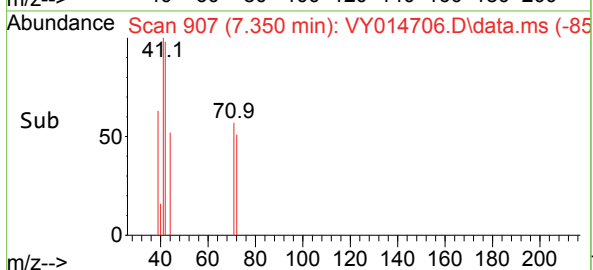
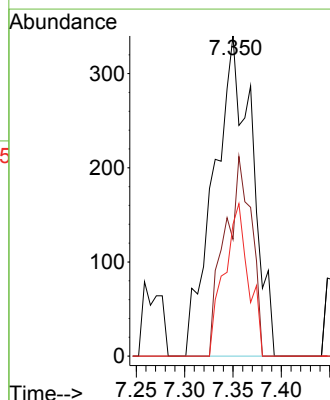
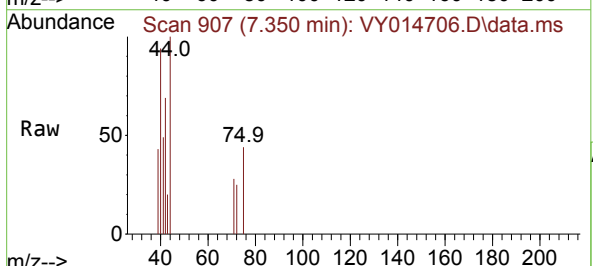
Tgt Ion: 42 Resp: 933

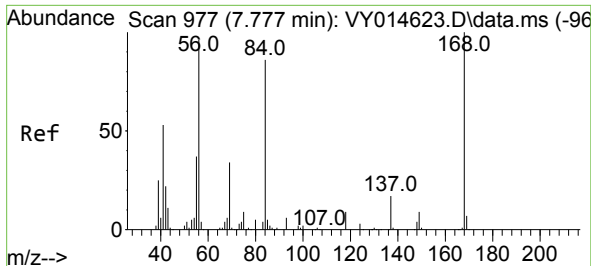
Ion Ratio Lower Upper

42 100

72 43.5 32.8 49.2

71 30.3 31.0 46.4#

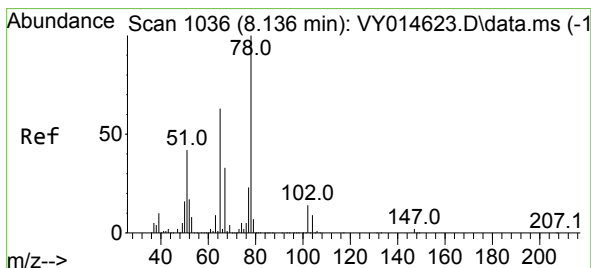
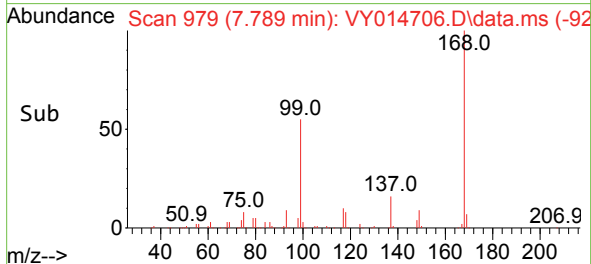
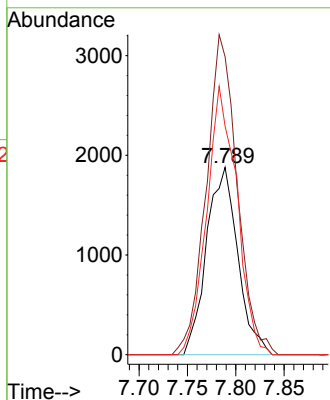
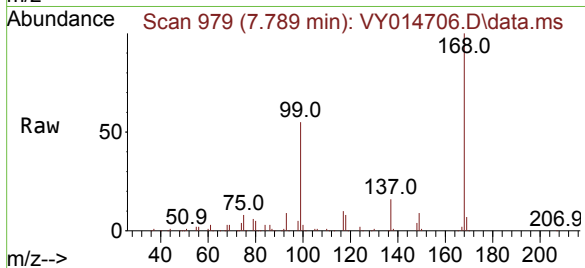




#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

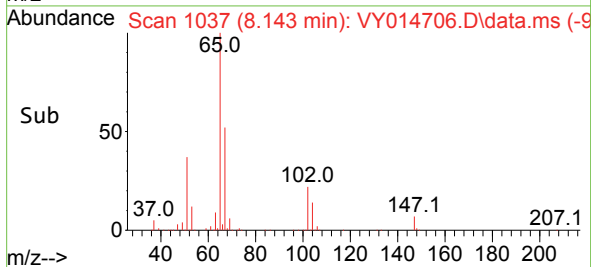
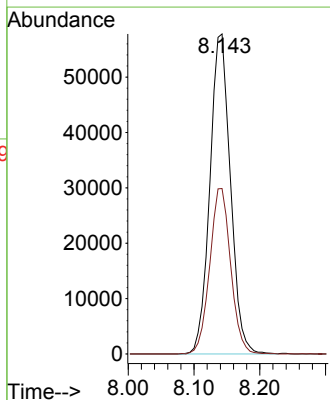
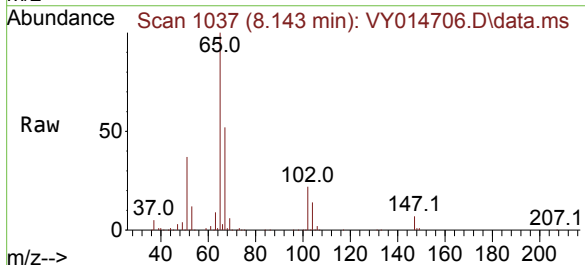
Instrument :
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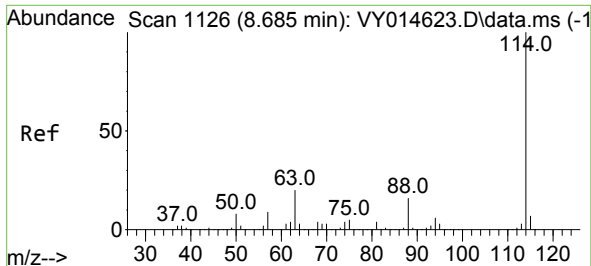
Tgt Ion: 56 Resp: 4234
Ion Ratio Lower Upper
56 100
69 159.0 27.8 41.6#
84 122.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.526 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

Tgt Ion: 65 Resp: 125659
Ion Ratio Lower Upper
65 100
67 52.7 0.0 101.8

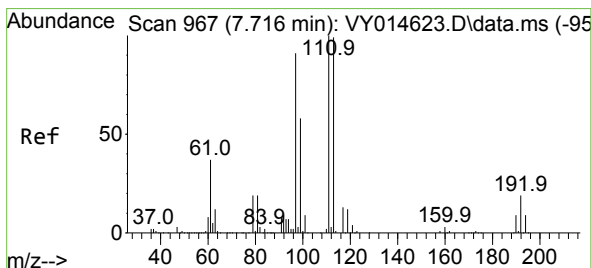
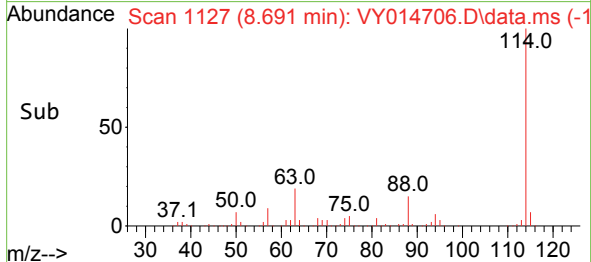
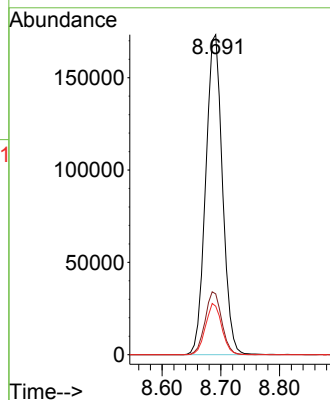
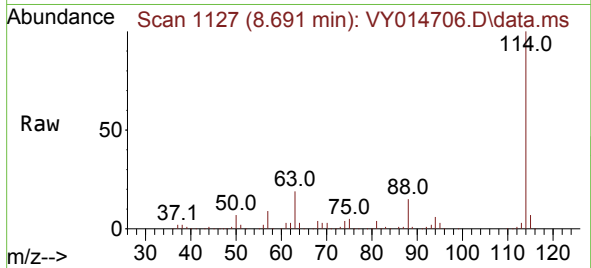




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

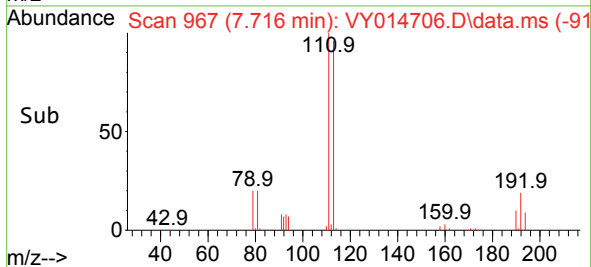
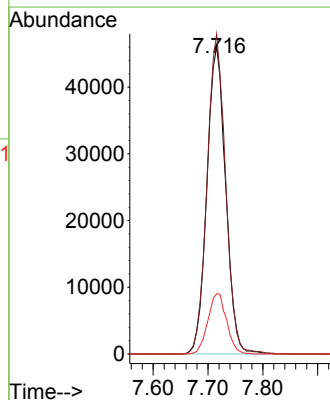
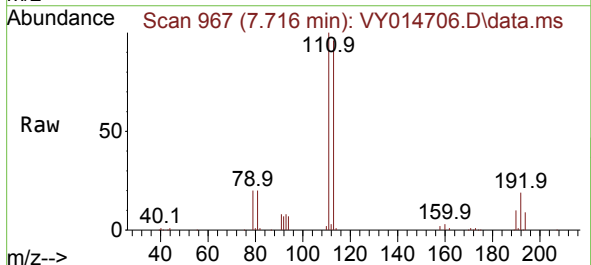
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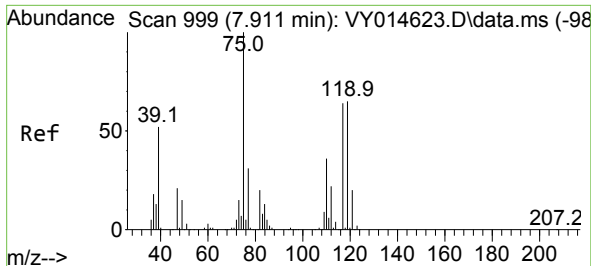
Tgt Ion:114 Resp: 343603
Ion Ratio Lower Upper
114 100
63 19.0 0.0 42.4
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.939 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

Tgt Ion:113 Resp: 109231
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 19.6 16.9 25.3

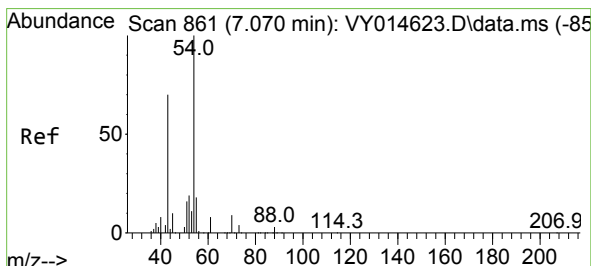
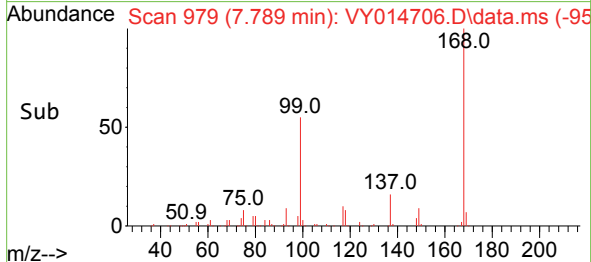
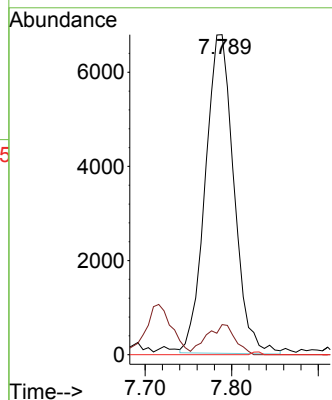
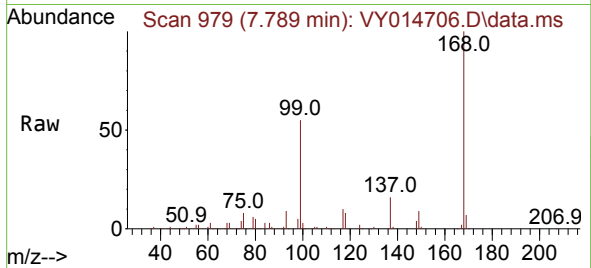




#36
1,1-Dichloropropene
Concen: 4.737 ug/l
RT: 7.789 min Scan# 914
Delta R.T. -0.122 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

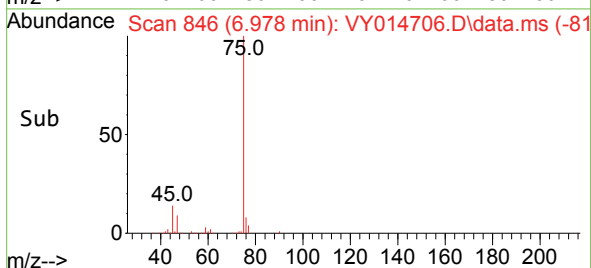
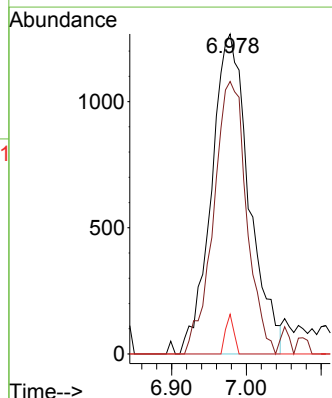
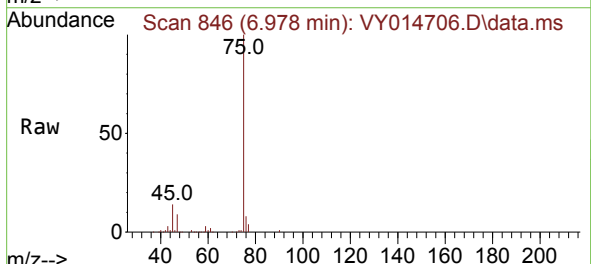
Instrument :
MSVOA_Y
ClientSampleId :
TP14

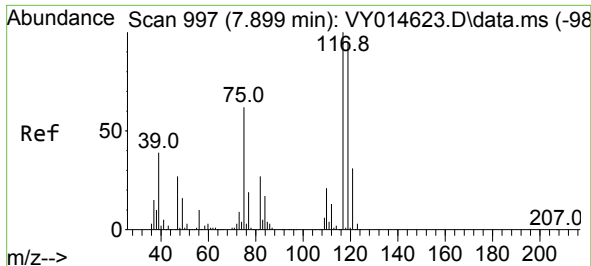
Tgt Ion: 75 Resp: 15495
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.972 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

Tgt Ion: 43 Resp: 4441
Ion Ratio Lower Upper
43 100
61 74.7 10.1 15.1#
70 2.7 7.1 10.7#

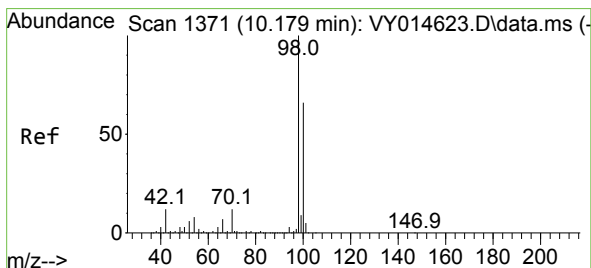
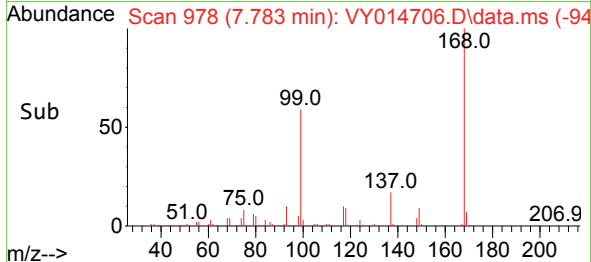
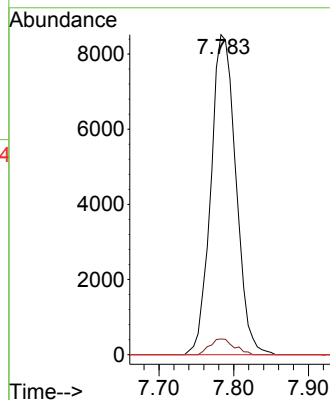
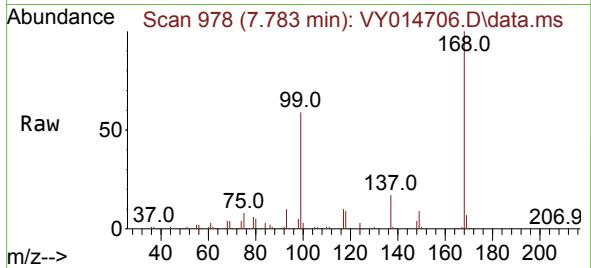




#38
Carbon Tetrachloride
Concen: 5.757 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

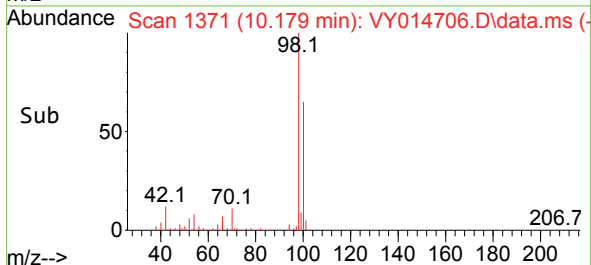
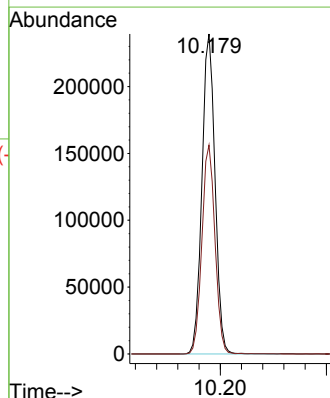
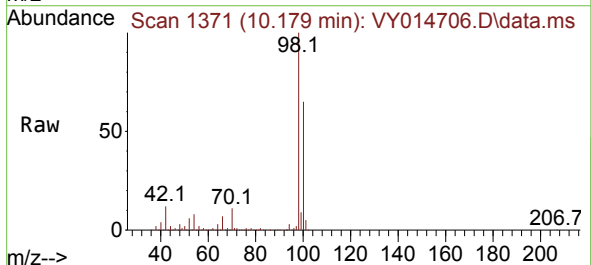
Instrument :
MSVOA_Y
ClientSampleId :
TP14

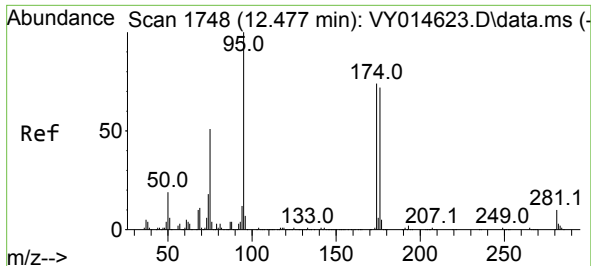
Tgt Ion:117 Resp: 19906
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.749 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

Tgt Ion: 98 Resp: 409248
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1

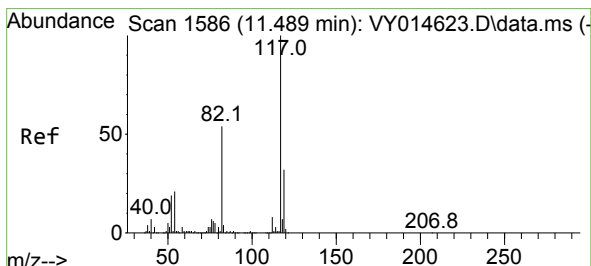
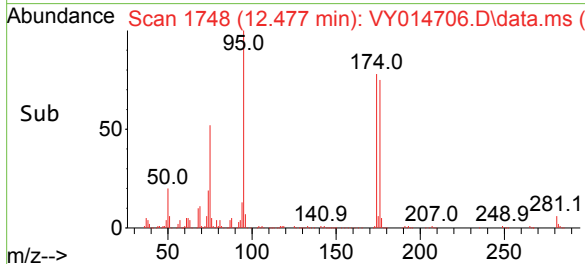
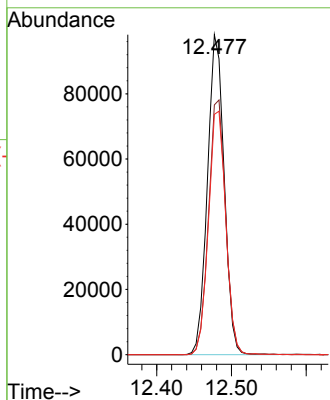
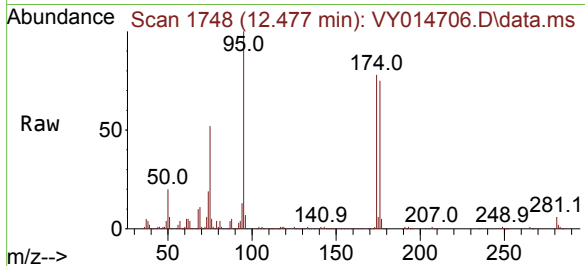




#62
4-Bromofluorobenzene
Concen: 49.410 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

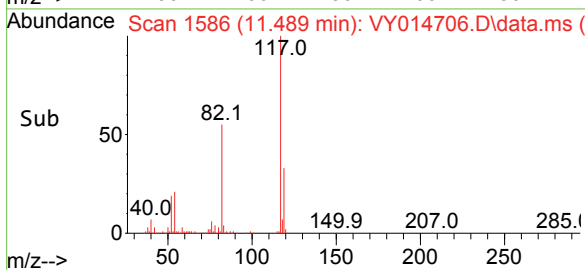
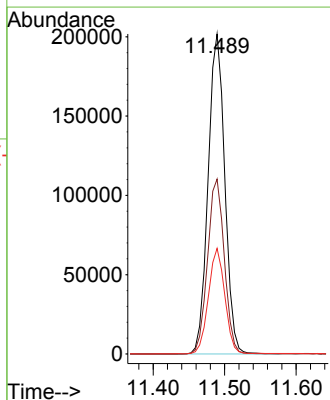
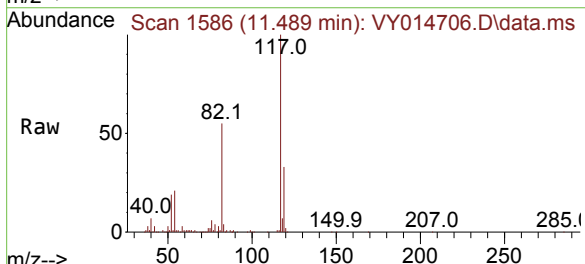
Instrument :
MSVOA_Y
ClientSampleId :
TP14

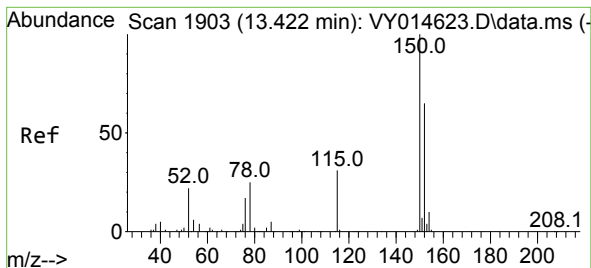
Tgt Ion: 95 Resp: 152780
Ion Ratio Lower Upper
95 100
174 81.4 0.0 178.2
176 78.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014706.D
Acq: 18 Jul 2023 17:08

Tgt Ion: 117 Resp: 326931
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 32.9 26.3 39.5

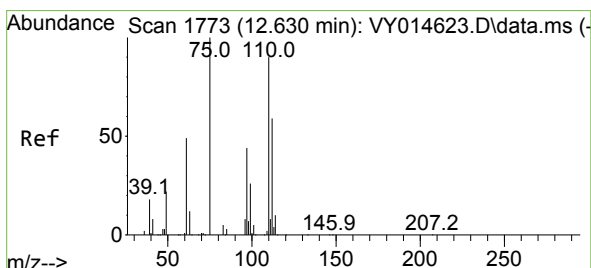
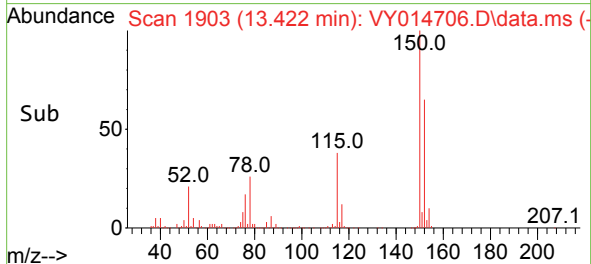
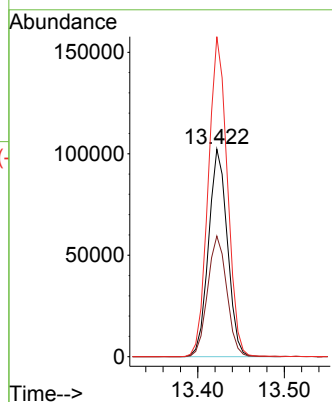
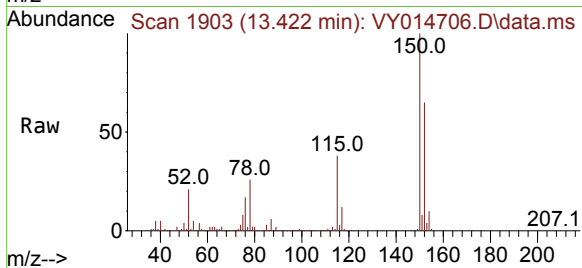




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY014706.D
 Acq: 18 Jul 2023 17:08

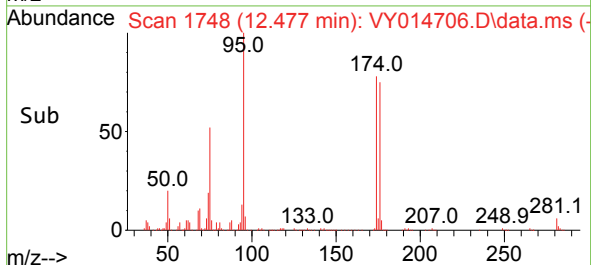
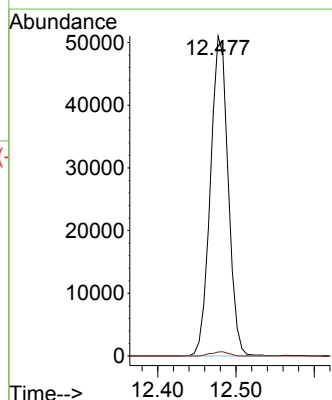
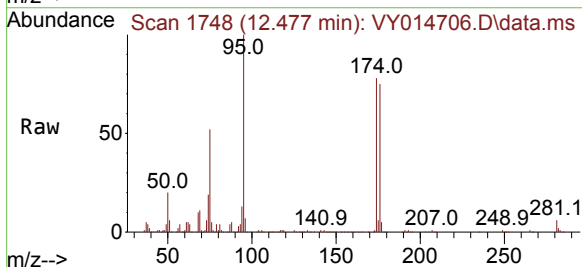
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP14

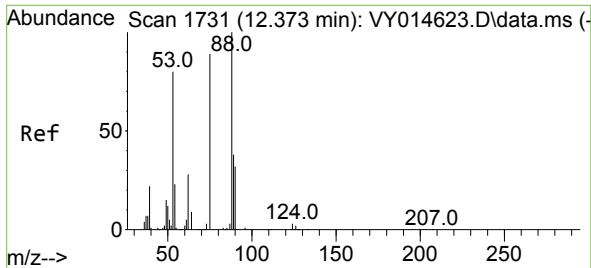
Tgt Ion:152 Resp: 154577
 Ion Ratio Lower Upper
 152 100
 115 59.1 28.8 86.5
 150 156.1 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 41.145 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY014706.D
 Acq: 18 Jul 2023 17:08

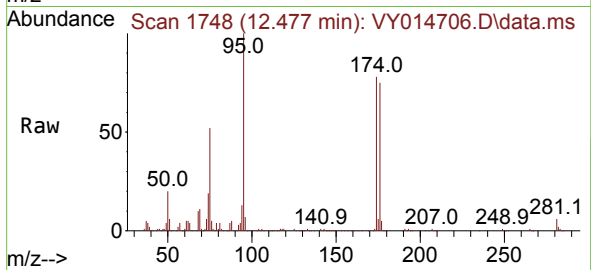
Tgt Ion: 75 Resp: 80325
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.663 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014706.D
 Acq: 18 Jul 2023 17:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP14



Tgt Ion: 75 Resp: 80325
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

