

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071823\
 Data File : VY014704.D
 Acq On : 18 Jul 2023 16:16
 Operator : SY/MD
 Sample : 03646-04RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 YARD-1

Quant Time: Jul 19 04:06:11 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)

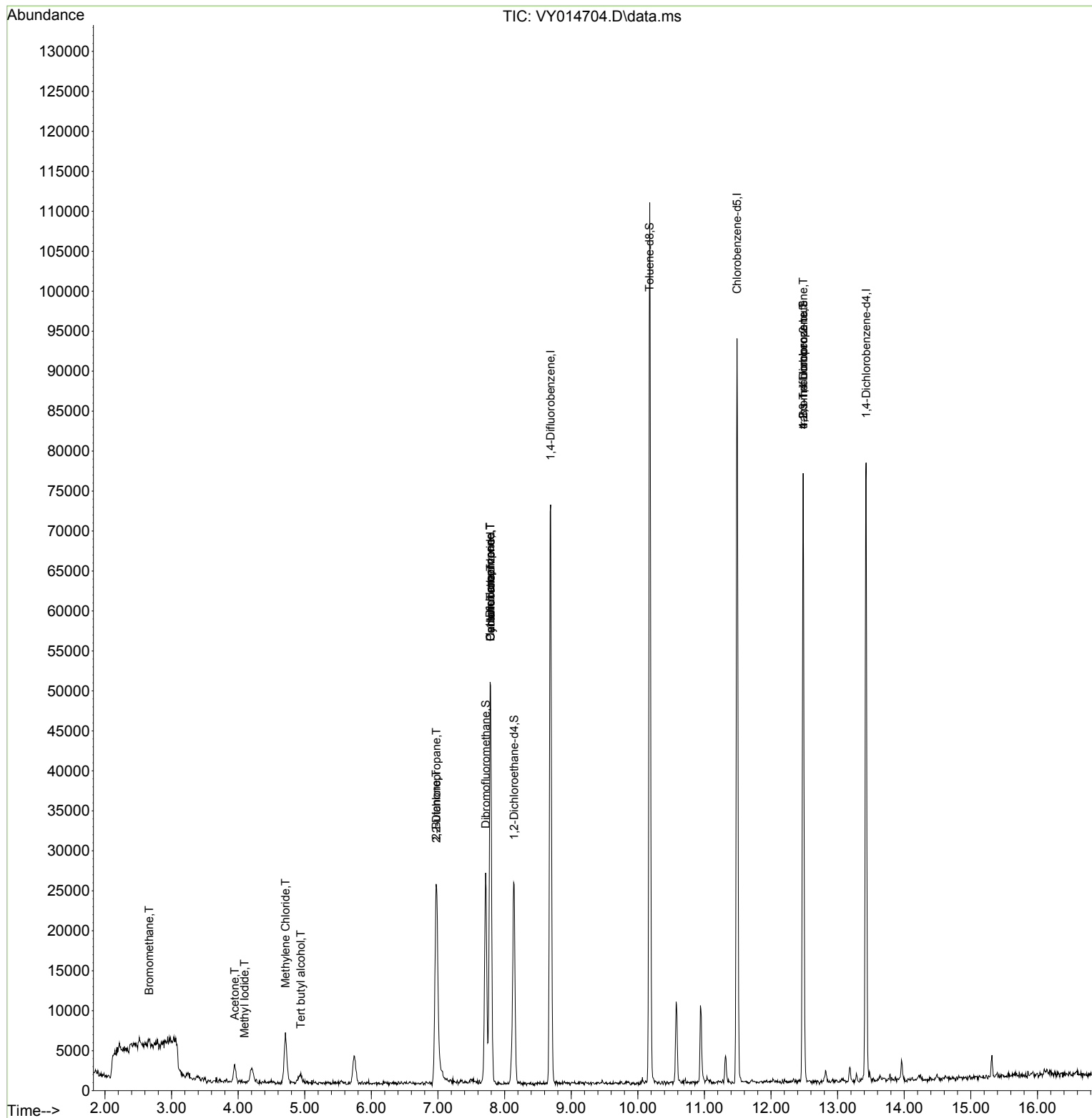
Internal Standards						
1) Pentafluorobenzene	7.789	168	39465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	63494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	51806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	20431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	19017	42.286	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.580%		
35) Dibromofluoromethane	7.715	113	18320	45.326	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.660%		
50) Toluene-d8	10.178	98	72027	48.335	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.680%		
62) 4-Bromofluorobenzene	12.483	95	22365	39.142	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	78.280%		
Target Compounds						Qvalue
5) Bromomethane	2.662	94	388	1.454	ug/l #	48
10) Methyl Iodide	4.094	142	138	2.668	ug/l #	38
11) Tert butyl alcohol	4.942	59	1295	2.240	ug/l #	89
16) Acetone	3.948	43	3354	23.535	ug/l	100
20) Methylene Chloride	4.710	84	4419	5.813	ug/l	90
25) 2-Butanone	6.972	43	1777	8.523	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	2168	2.834	ug/l #	54
31) Cyclohexane	7.789	56	864	1.157	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	3172	5.248	ug/l #	50
38) Carbon Tetrachloride	7.789	117	4013	6.281	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	11775	45.633	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	11775	88.353	ug/l #	10

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

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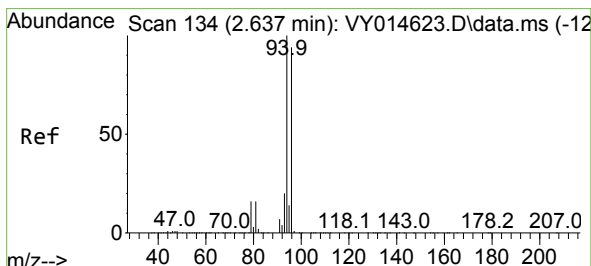
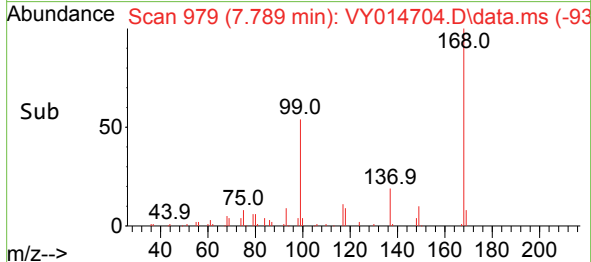
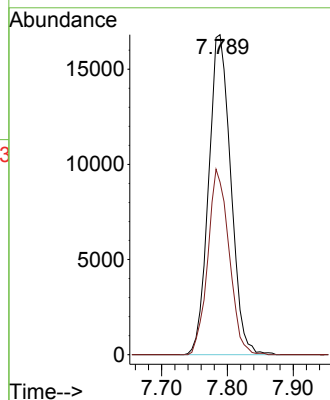
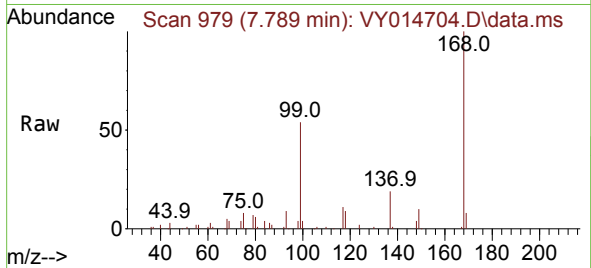




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

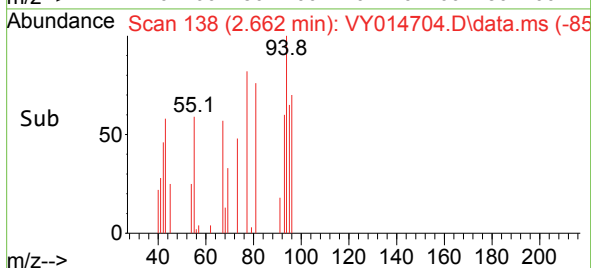
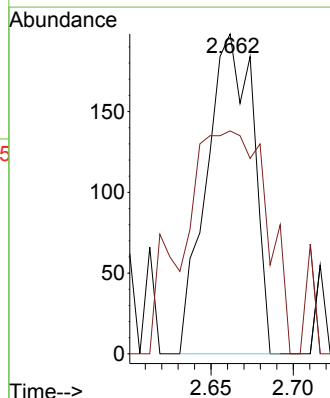
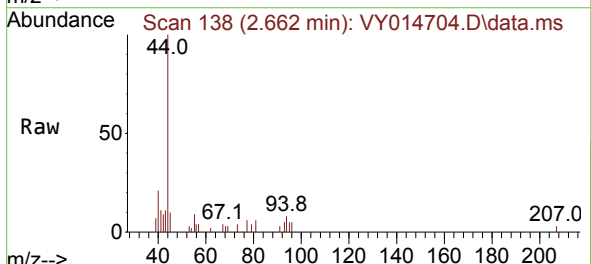
Instrument :
MSVOA_Y
ClientSampleId :
YARD-1

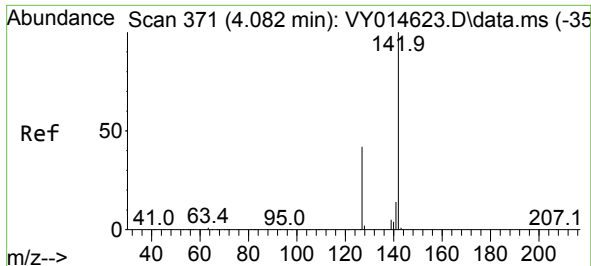
Tgt Ion:168 Resp: 39465
Ion Ratio Lower Upper
168 100
99 53.9 43.4 65.0



#5
Bromomethane
Concen: 1.454 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

Tgt Ion: 94 Resp: 388
Ion Ratio Lower Upper
94 100
96 43.9 75.8 113.6#

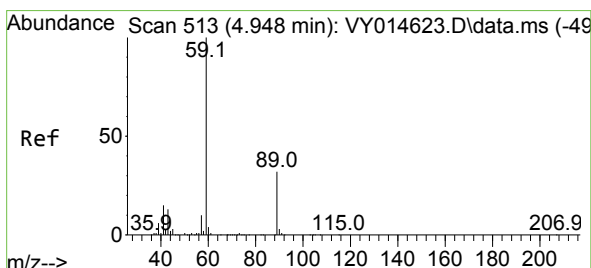
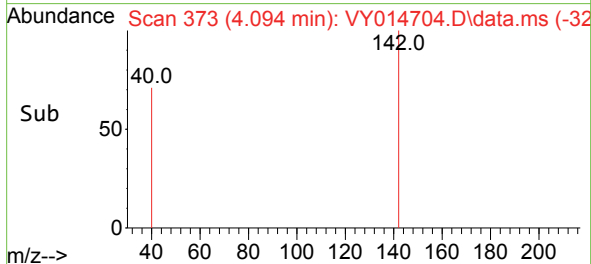
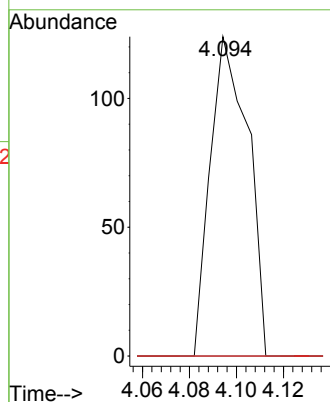
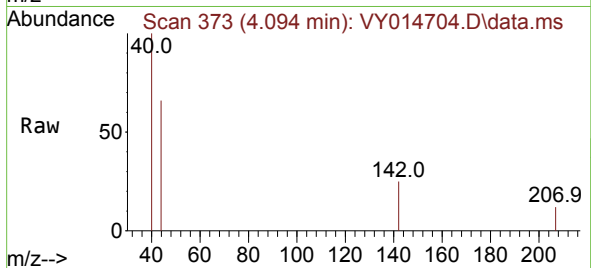




#10
Methyl Iodide
Concen: 2.668 ug/l
RT: 4.094 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

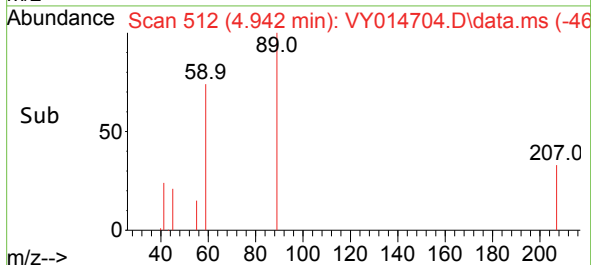
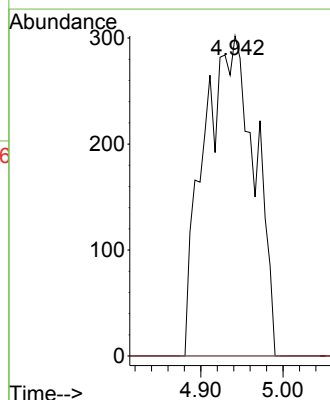
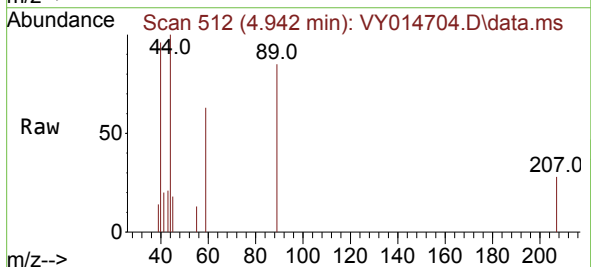
Instrument :
MSVOA_Y
ClientSampleId :
YARD-1

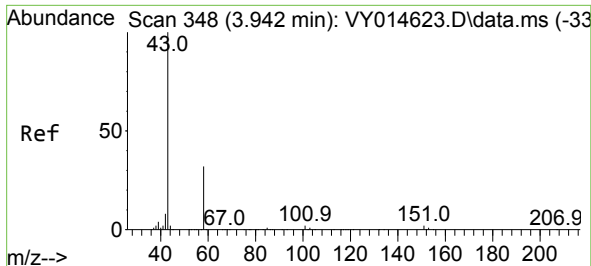
Tgt Ion:142 Resp: 138
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: 2.240 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

Tgt Ion: 59 Resp: 1295
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

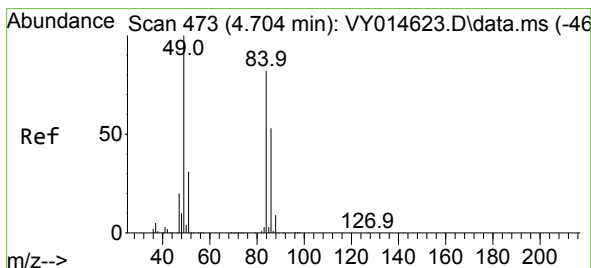
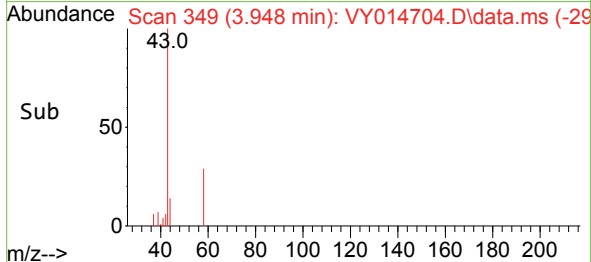
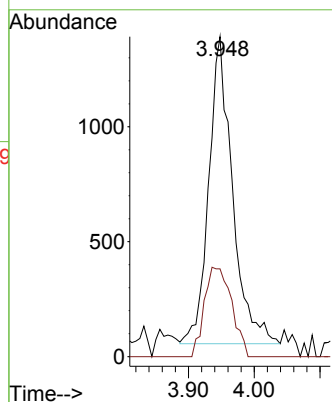
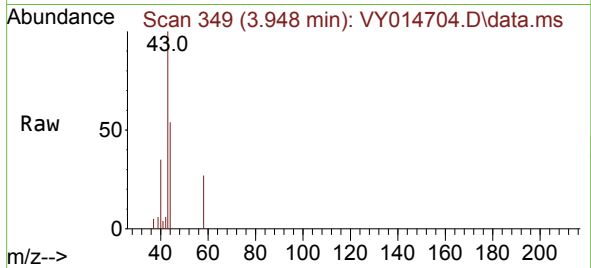




#16
Acetone
Concen: 23.535 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

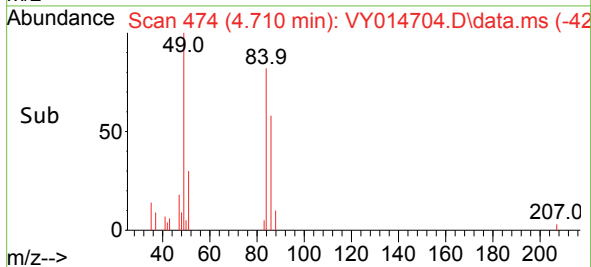
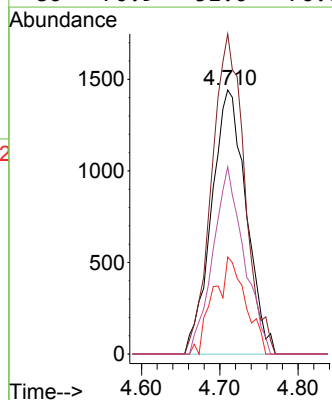
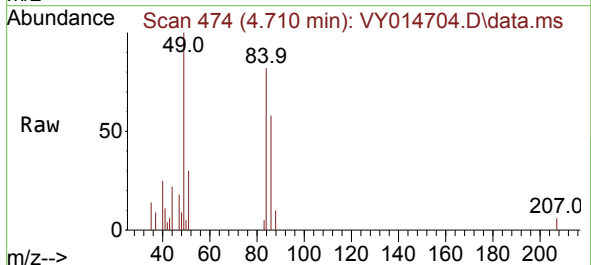
Instrument :
MSVOA_Y
ClientSampleId :
YARD-1

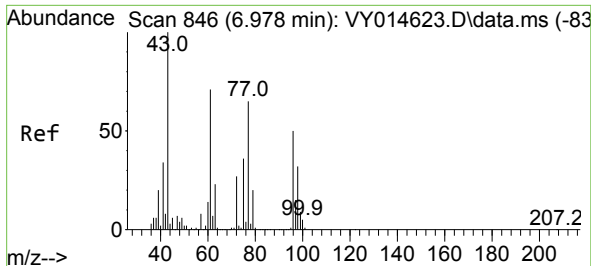
Tgt Ion: 43 Resp: 3354
Ion Ratio Lower Upper
43 100
58 28.6 22.7 34.1



#20
Methylene Chloride
Concen: 5.813 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

Tgt Ion: 84 Resp: 4419
Ion Ratio Lower Upper
84 100
49 121.2 106.9 160.3
51 36.8 33.2 49.8
86 70.9 51.0 76.6

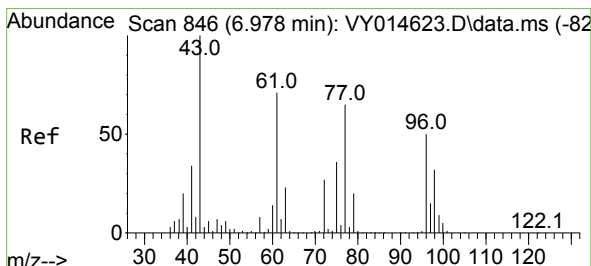
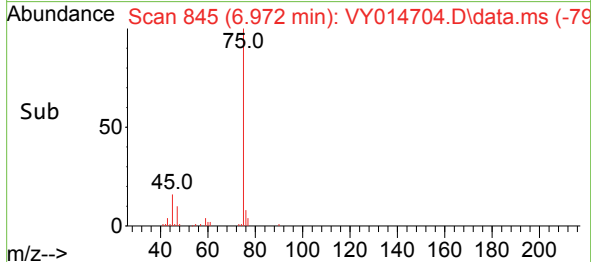
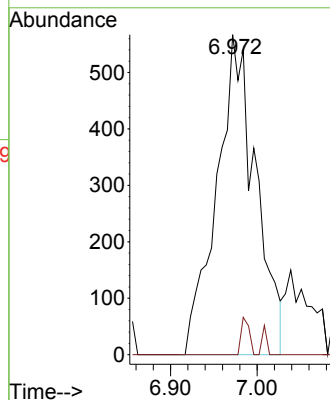
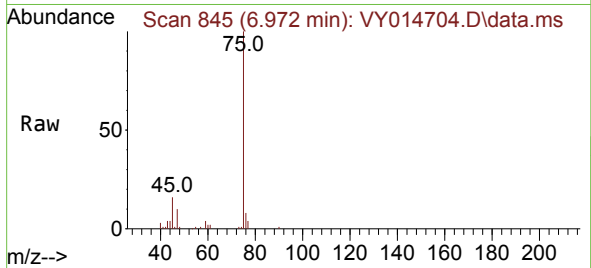




#25
2-Butanone
Concen: 8.523 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

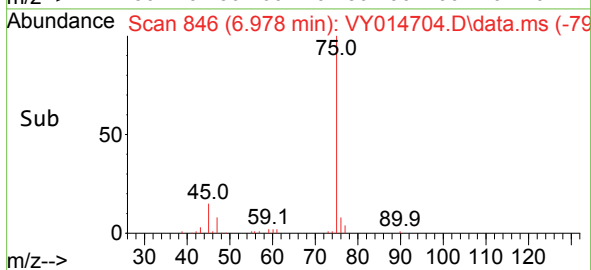
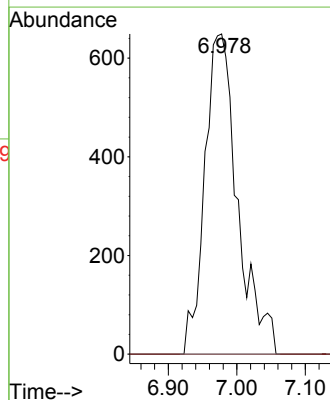
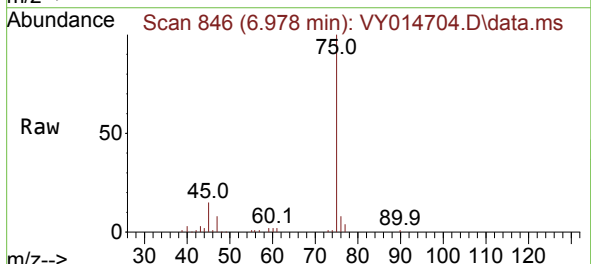
Instrument :
MSVOA_Y
ClientSampleId :
YARD-1

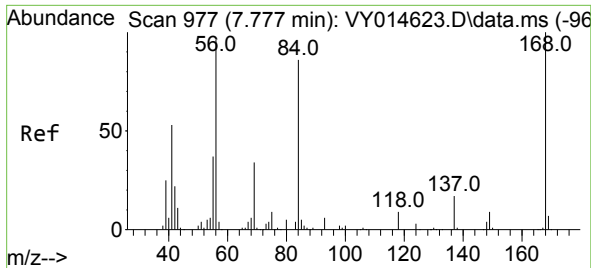
Tgt Ion: 43 Resp: 1777
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.834 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

Tgt Ion: 77 Resp: 2168
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

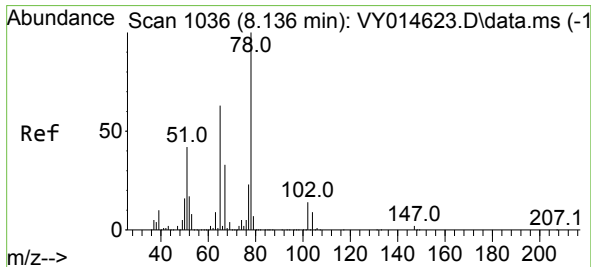
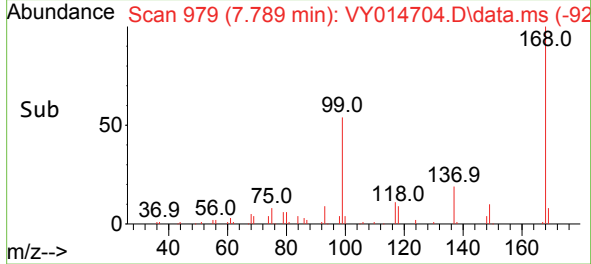
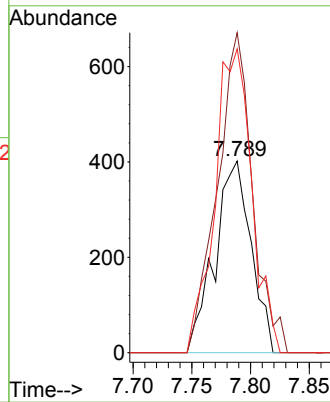
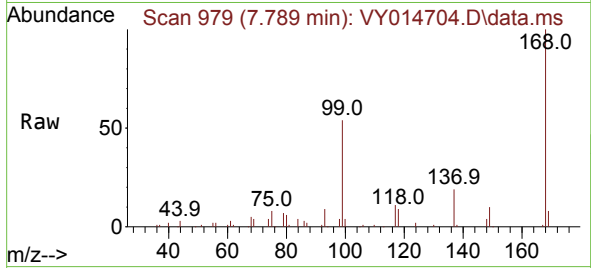




#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

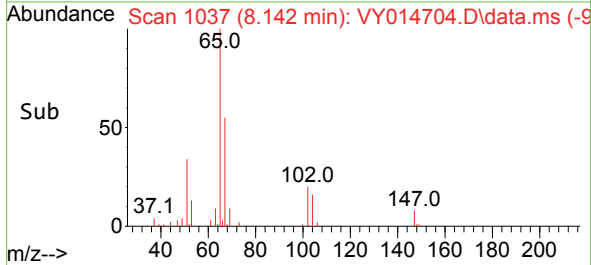
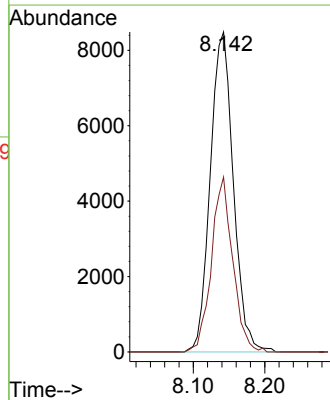
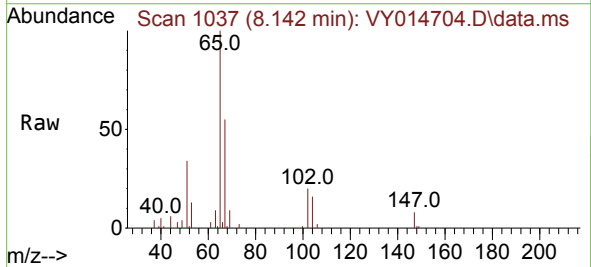
Instrument :
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ClientSampleId :
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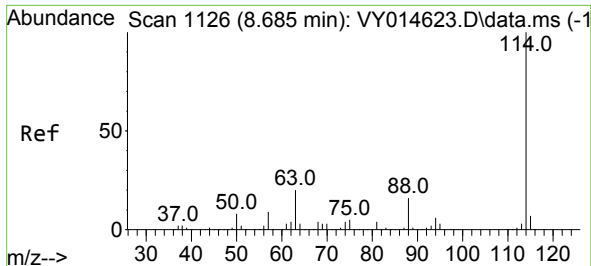
Tgt Ion: 56 Resp: 864
Ion Ratio Lower Upper
56 100
69 166.9 27.8 41.6#
84 158.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 42.286 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

Tgt Ion: 65 Resp: 19017
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.8

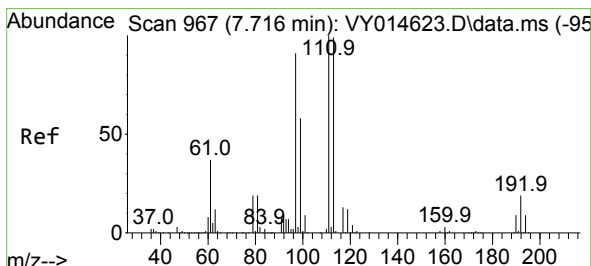
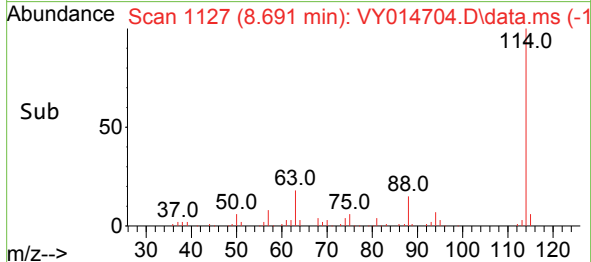
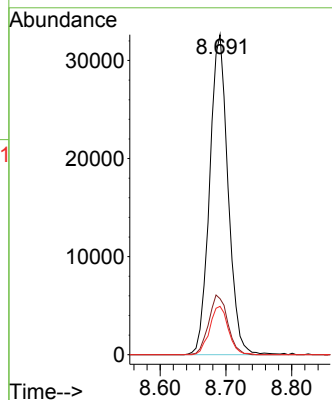
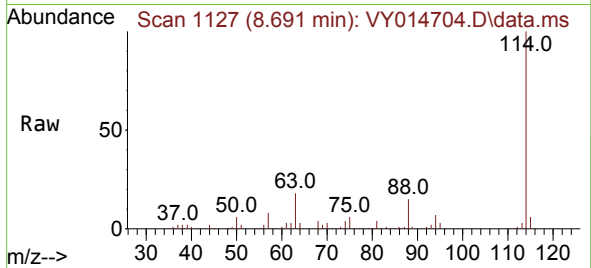




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

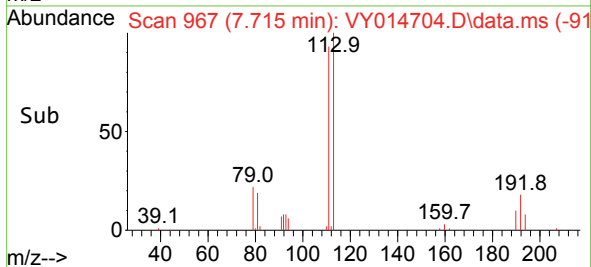
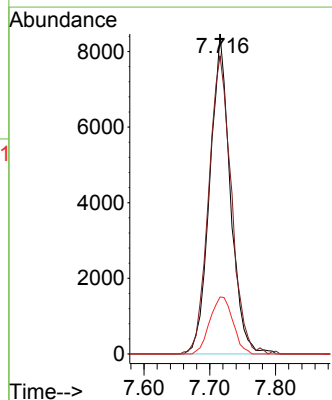
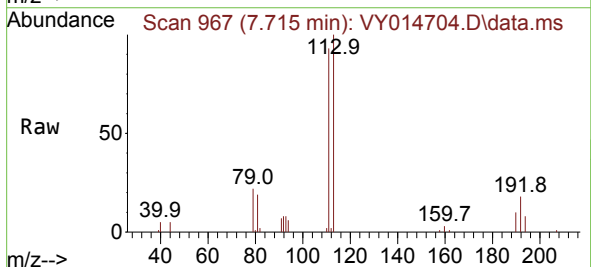
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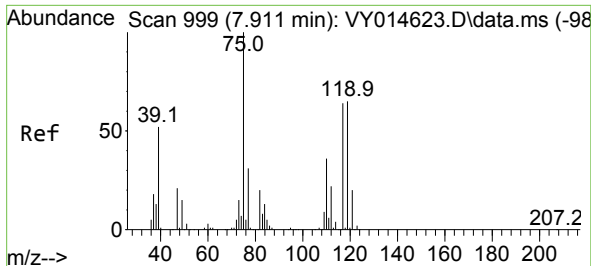
Tgt Ion:114 Resp: 63494
Ion Ratio Lower Upper
114 100
63 17.5 0.0 42.4
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 45.326 ug/l
RT: 7.715 min Scan# 967
Delta R.T. -0.001 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

Tgt Ion:113 Resp: 18320
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 20.0 16.9 25.3

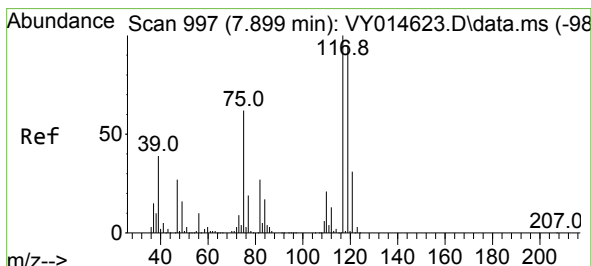
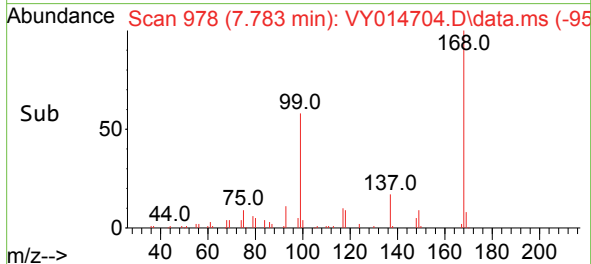
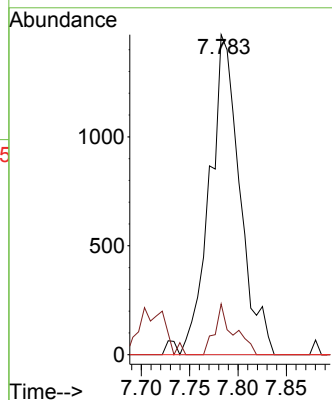
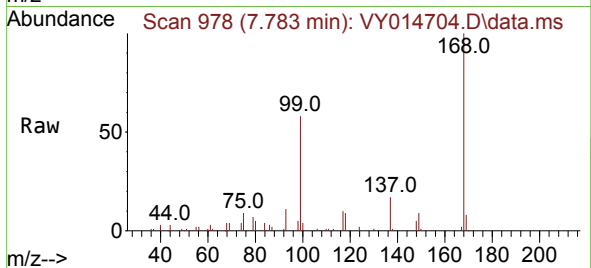




#36
1,1-Dichloropropene
Concen: 5.248 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

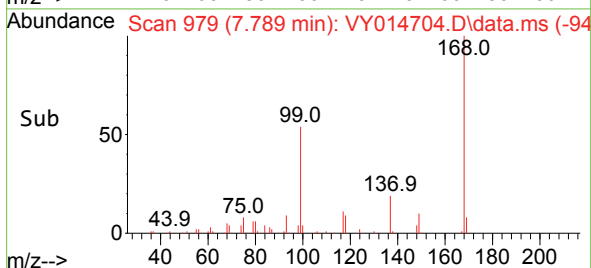
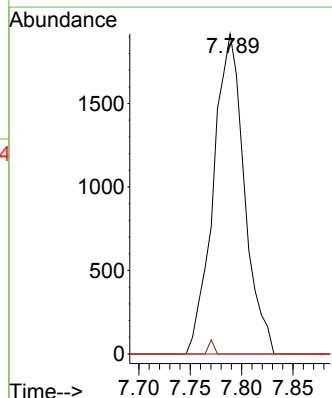
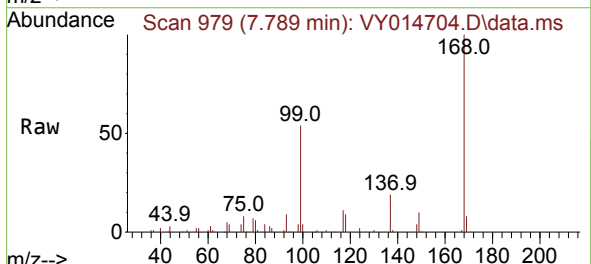
Instrument :
MSVOA_Y
ClientSampleId :
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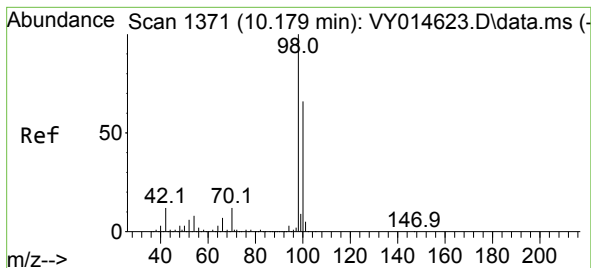
Tgt Ion: 75 Resp: 3172
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.281 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

Tgt Ion: 117 Resp: 4013
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

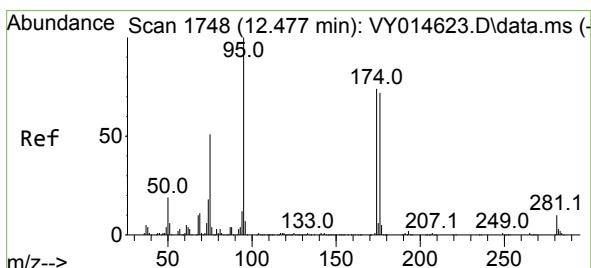
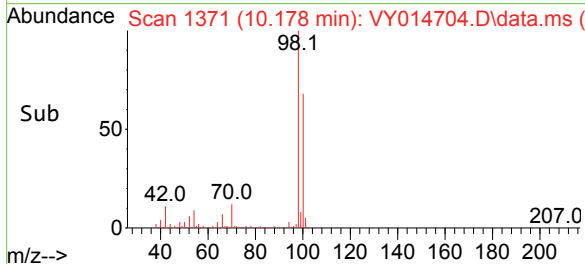
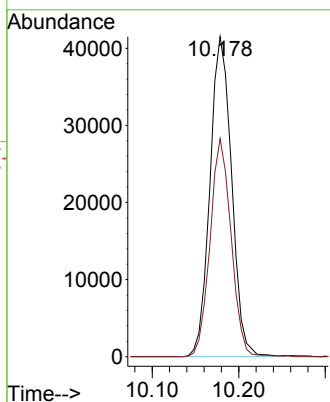
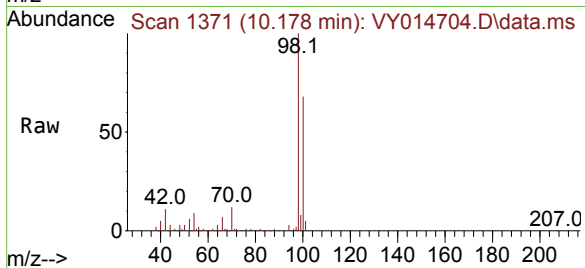




#50
Toluene-d8
Concen: 48.335 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

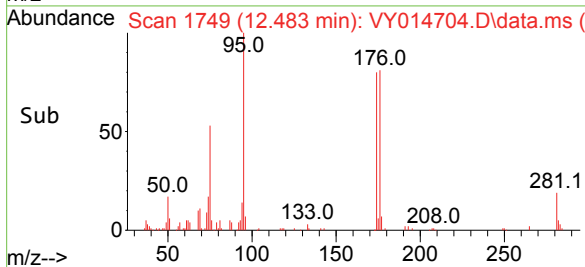
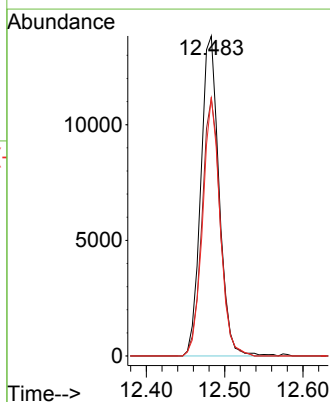
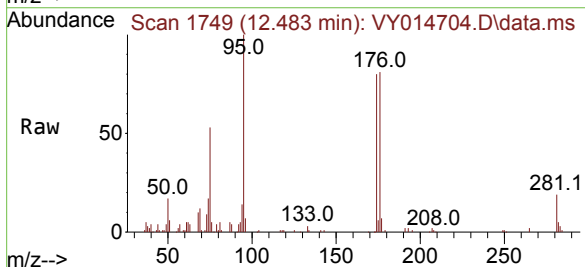
Instrument :
MSVOA_Y
ClientSampleId :
YARD-1

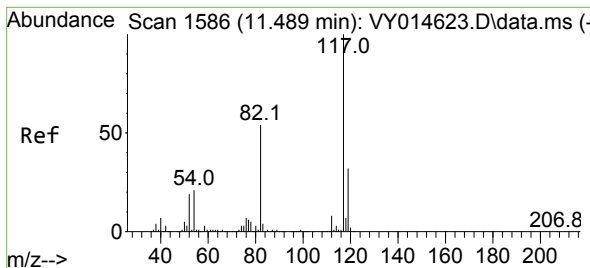
Tgt Ion: 98 Resp: 72027
Ion Ratio Lower Upper
98 100
100 66.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 39.142 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014704.D
Acq: 18 Jul 2023 16:16

Tgt Ion: 95 Resp: 22365
Ion Ratio Lower Upper
95 100
174 80.1 0.0 178.2
176 77.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014704.D

Acq: 18 Jul 2023 16:16

Instrument :

MSVOA_Y

ClientSampleId :

YARD-1

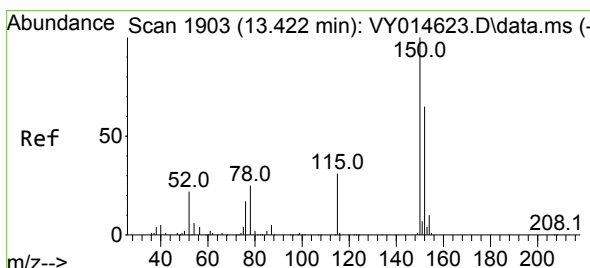
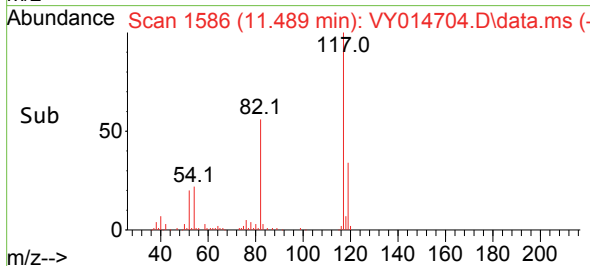
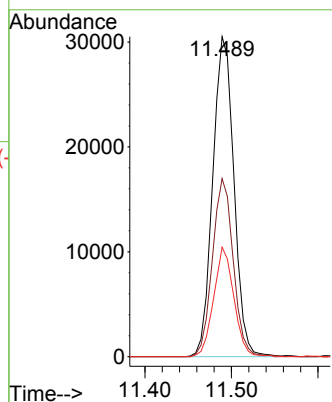
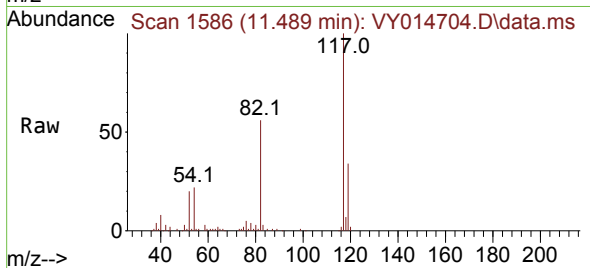
Tgt Ion:117 Resp: 51806

Ion Ratio Lower Upper

117 100

82 55.6 43.4 65.0

119 34.2 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014704.D

Acq: 18 Jul 2023 16:16

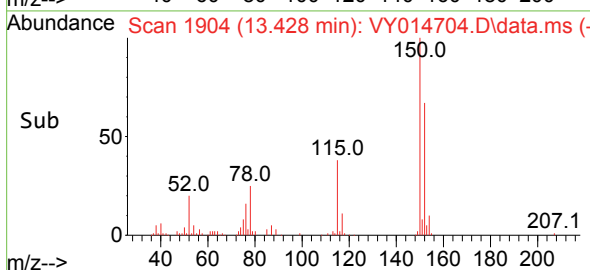
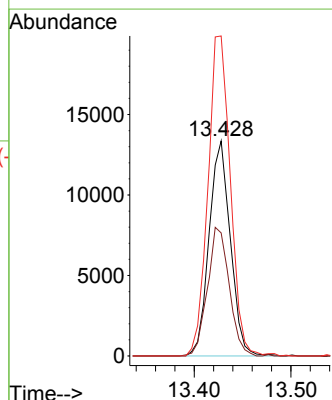
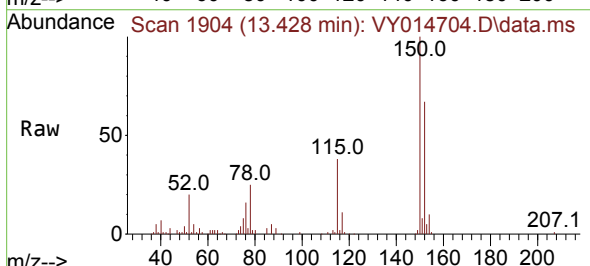
Tgt Ion:152 Resp: 20431

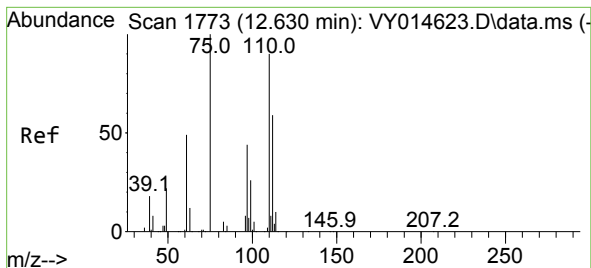
Ion Ratio Lower Upper

152 100

115 61.2 28.8 86.5

150 156.9 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 45.633 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY014704.D

Acq: 18 Jul 2023 16:16

Instrument :

MSVOA_Y

ClientSampleId :

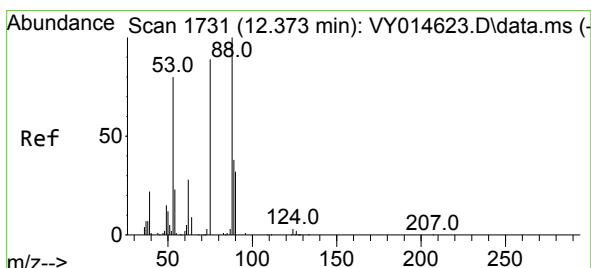
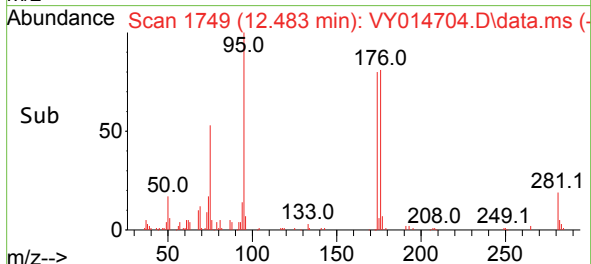
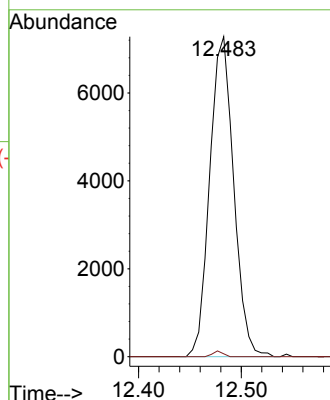
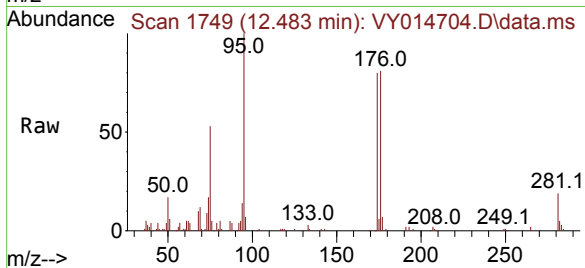
YARD-1

Tgt Ion: 75 Resp: 11775

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.353 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY014704.D

Acq: 18 Jul 2023 16:16

Tgt Ion: 75 Resp: 11775

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

