

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014833.D
 Acq On : 26 Jul 2023 04:19
 Operator : SY/MD
 Sample : 03741-14
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P13A

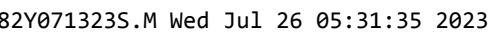
Quant Time: Jul 26 05:31:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

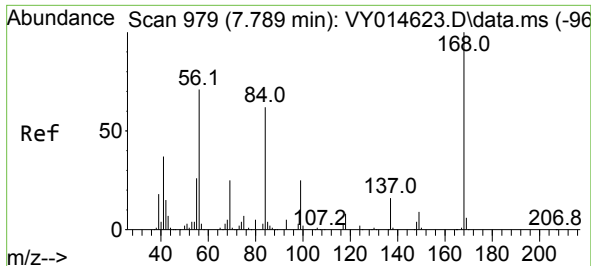
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	164516	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	296207	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	280116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	131881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	105392	56.217	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.440%	
35) Dibromofluoromethane	7.728	113	93549	49.613	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.220%	
50) Toluene-d8	10.185	98	352812	50.752	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.500%	
62) 4-Bromofluorobenzene	12.483	95	130734	49.046	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.100%	
Target Compounds						Qvalue
10) Methyl Iodide	4.113	142	48	2.394	ug/l #	36
11) Tert butyl alcohol	4.966	59	923	Below Cal	#	89
16) Acetone	3.966	43	5111	8.603	ug/l	89
25) 2-Butanone	6.990	43	3479	4.003	ug/l	93
26) 2,2-Dichloropropane	6.996	77	3928	1.232	ug/l #	54
31) Cyclohexane	7.801	56	3683	1.183	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	13388	4.748	ug/l #	49
37) Ethyl Acetate	6.990	43	3479	1.792	ug/l #	1
38) Carbon Tetrachloride	7.795	117	16831	5.646	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	69225	41.561	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	69225	80.470	ug/l #	11
95) Naphthalene	15.239	128	7895	1.270	ug/l	98

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

Quant Time: Jul 26 05:31:21 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

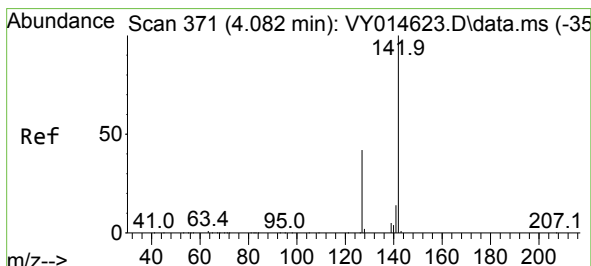
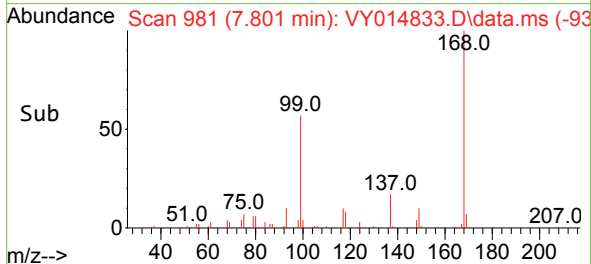
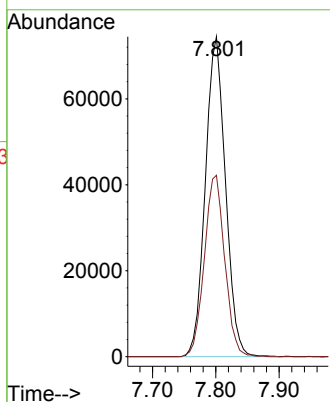
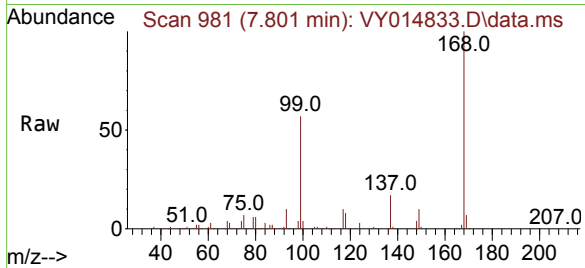




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014833.D
Acq: 26 Jul 2023 04:19

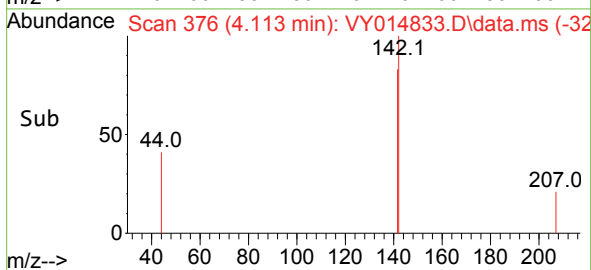
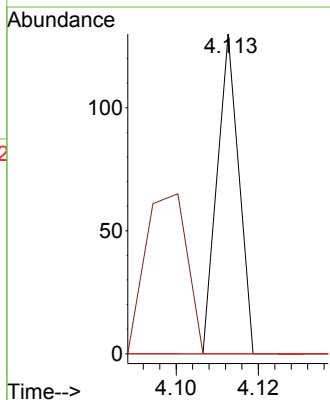
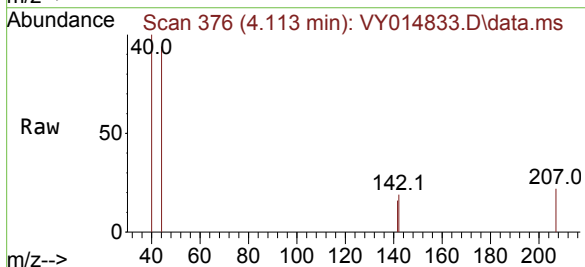
Instrument :
MSVOA_Y
ClientSampleId :
B-P13A

Tgt Ion:168 Resp: 164516
Ion Ratio Lower Upper
168 100
99 56.7 43.4 65.0



#10
Methyl Iodide
Concen: 2.394 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.031 min
Lab File: VY014833.D
Acq: 26 Jul 2023 04:19

Tgt Ion:142 Resp: 48
Ion Ratio Lower Upper
142 100
127 95.8 37.6 56.4#
141 0.0 11.8 17.8#

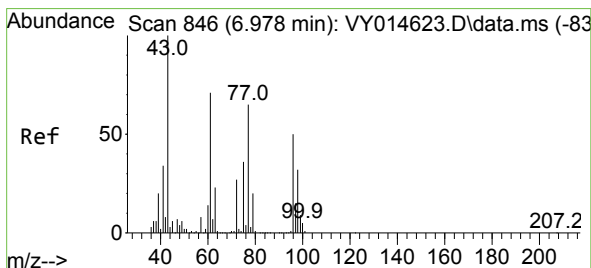
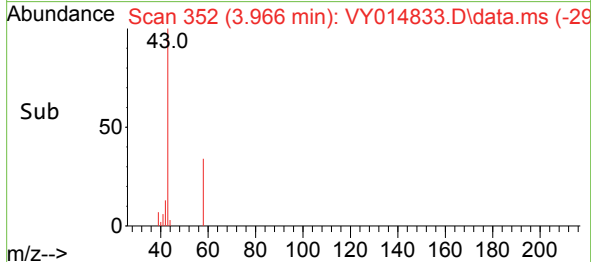
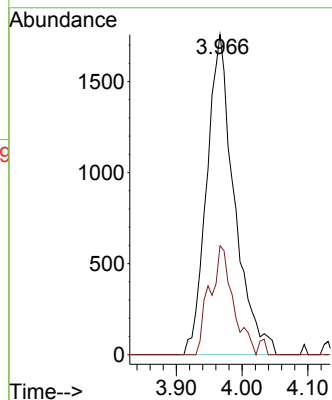
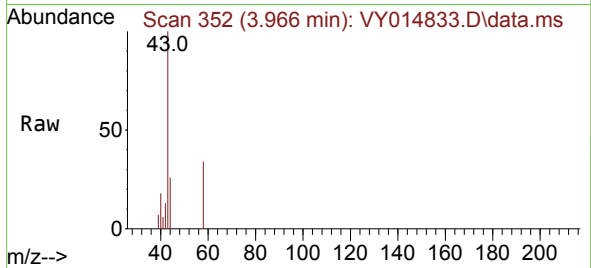




#16
Acetone
Concen: 8.603 ug/l
RT: 3.966 min Scan# 311
Delta R.T. 0.024 min
Lab File: VY014833.D
Acq: 26 Jul 2023 04:19

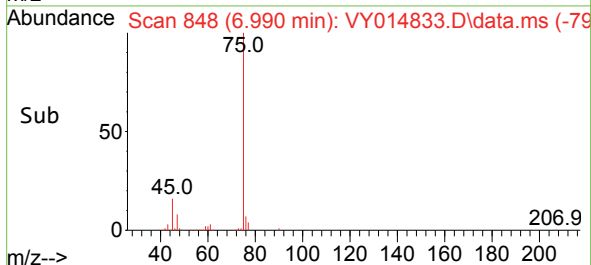
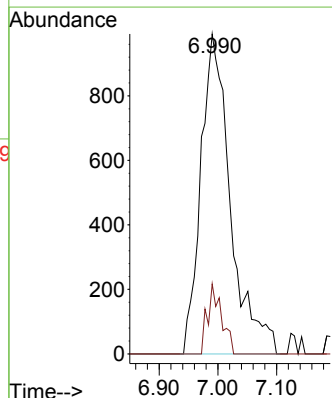
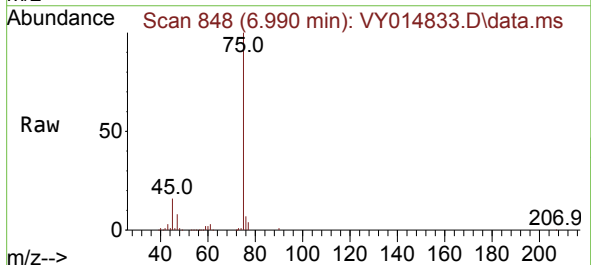
Instrument :
MSVOA_Y
ClientSampleId :
B-P13A

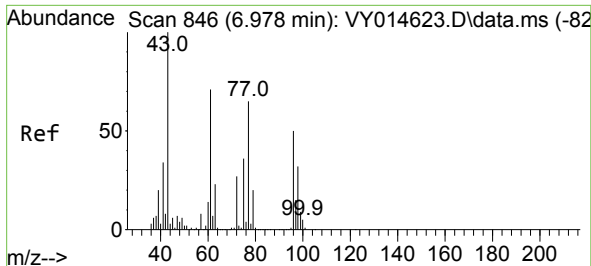
Tgt Ion: 43 Resp: 5111
Ion Ratio Lower Upper
43 100
58 34.0 22.7 34.1



#25
2-Butanone
Concen: 4.003 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY014833.D
Acq: 26 Jul 2023 04:19

Tgt Ion: 43 Resp: 3479
Ion Ratio Lower Upper
43 100
72 21.9 20.5 30.7

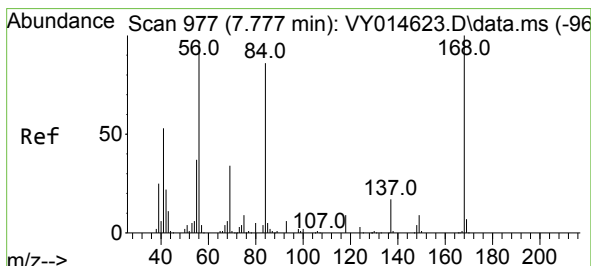
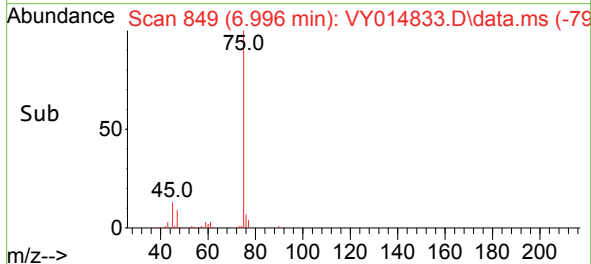
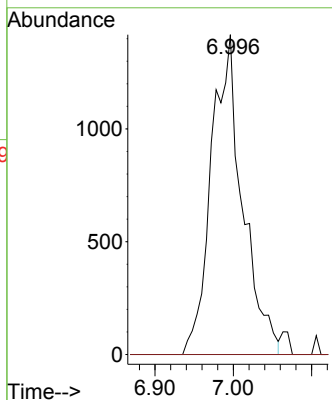
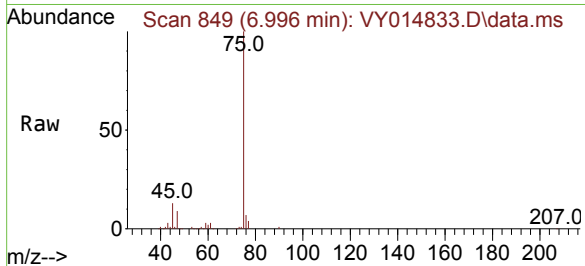




#26
2,2-Dichloropropane
Concen: 1.232 ug/l
RT: 6.996 min Scan# 846
Delta R.T. 0.018 min
Lab File: VY014833.D
Acq: 26 Jul 2023 04:19

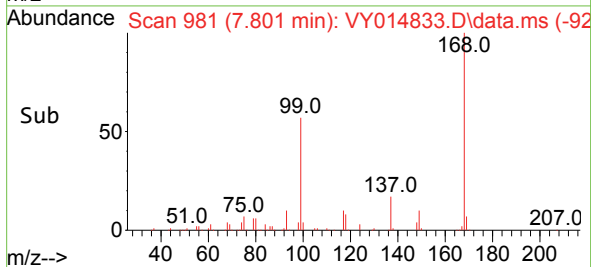
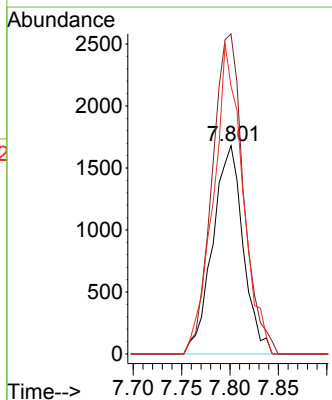
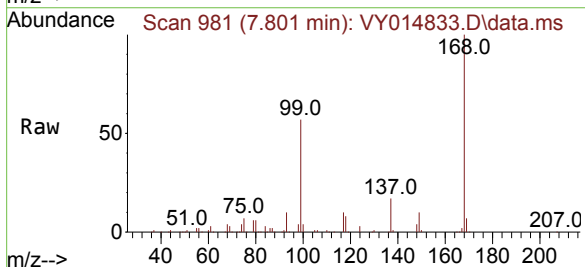
Instrument :
MSVOA_Y
ClientSampleId :
B-P13A

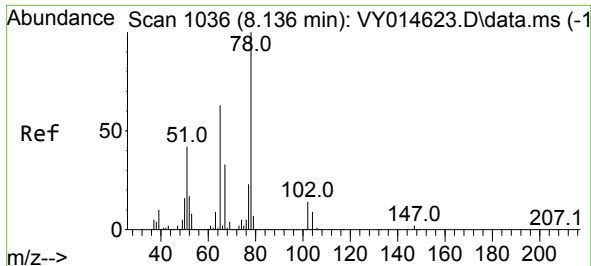
Tgt Ion: 77 Resp: 3928
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.024 min
Lab File: VY014833.D
Acq: 26 Jul 2023 04:19

Tgt Ion: 56 Resp: 3683
Ion Ratio Lower Upper
56 100
69 153.6 27.8 41.6#
84 136.7 66.4 99.6#

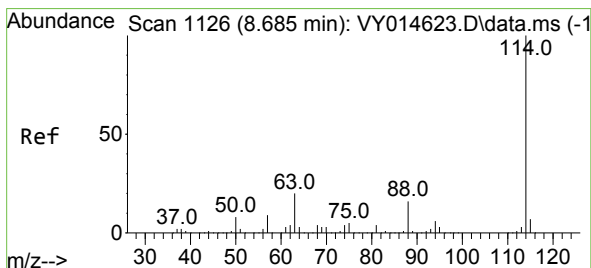
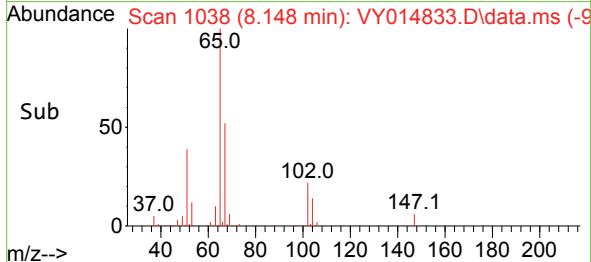
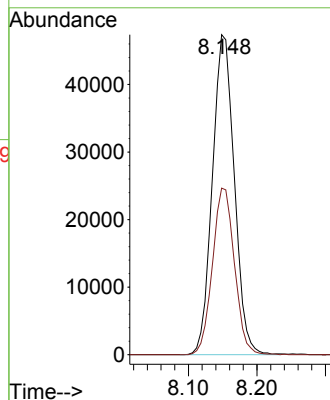
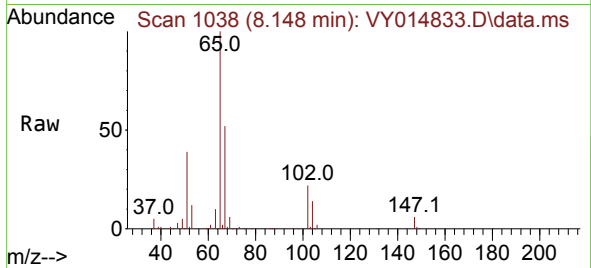




#33
 1,2-Dichloroethane-d4
 Concen: 56.217 ug/l
 RT: 8.148 min Scan# 1036
 Delta R.T. 0.012 min
 Lab File: VY014833.D
 Acq: 26 Jul 2023 04:19

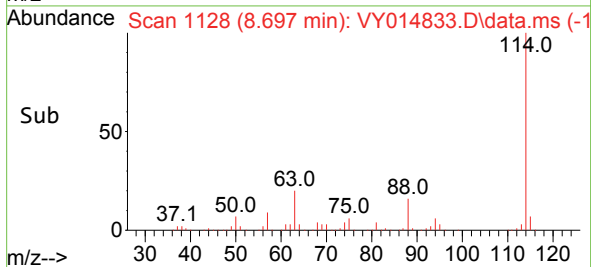
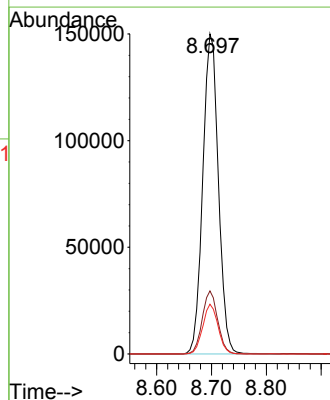
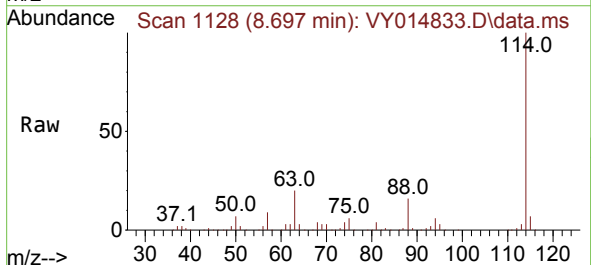
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P13A

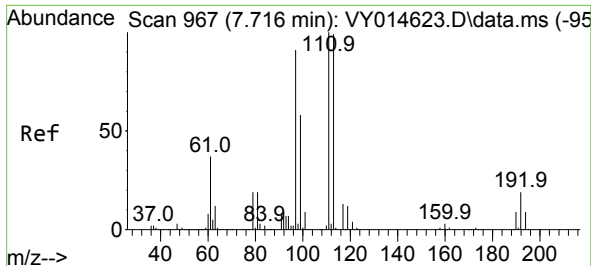
Tgt Ion: 65 Resp: 105392
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.012 min
 Lab File: VY014833.D
 Acq: 26 Jul 2023 04:19

Tgt Ion:114 Resp: 296207
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.4
 88 15.6 0.0 30.6

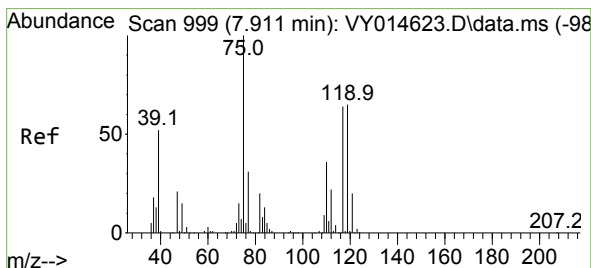
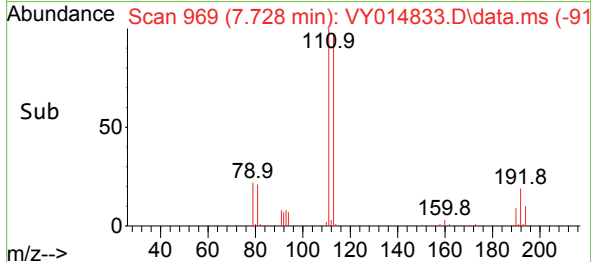
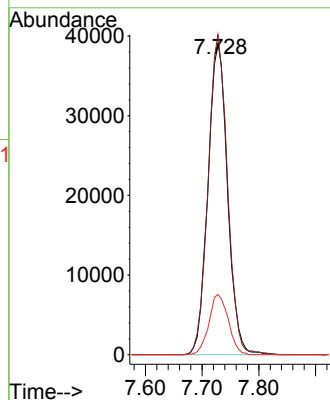
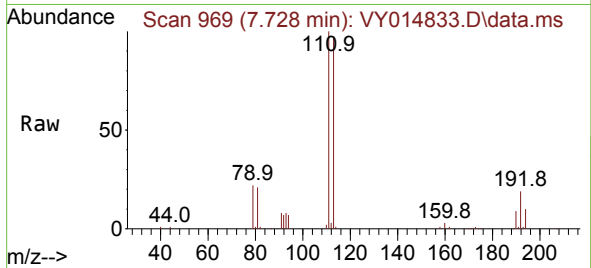




#35
 Dibromofluoromethane
 Concen: 49.613 ug/l
 RT: 7.728 min Scan# 91
 Delta R.T. 0.012 min
 Lab File: VY014833.D
 Acq: 26 Jul 2023 04:19

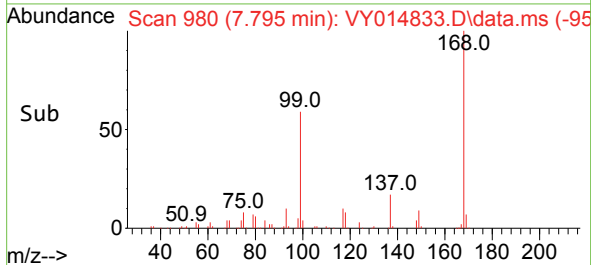
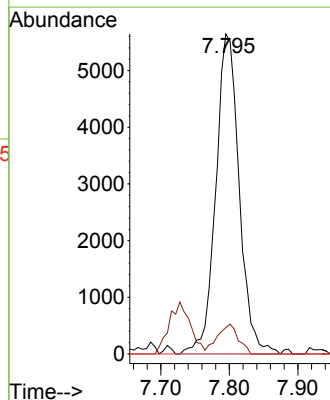
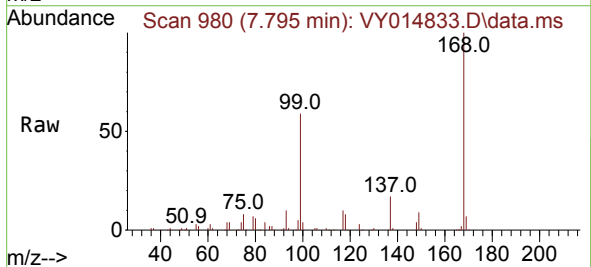
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P13A

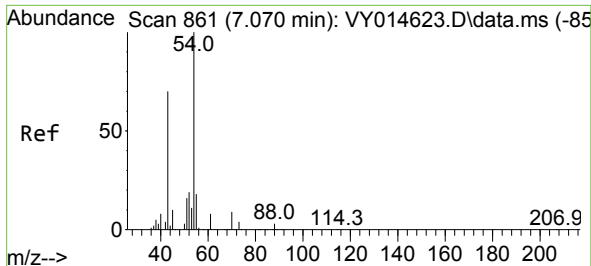
Tgt Ion:	113	Resp:	93549
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.3	121.9
192	19.2	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.748 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.116 min
 Lab File: VY014833.D
 Acq: 26 Jul 2023 04:19

Tgt Ion:	75	Resp:	13388
Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.8	53.5#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 1.792 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.080 min

Lab File: VY014833.D

Acq: 26 Jul 2023 04:19

Instrument :

MSVOA_Y

ClientSampleId :

B-P13A

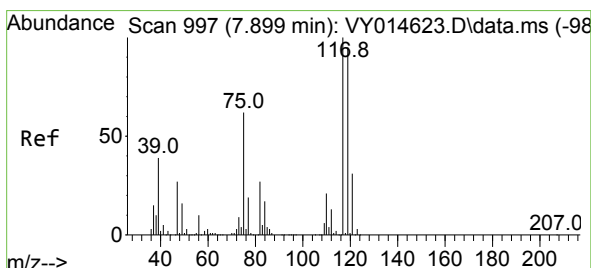
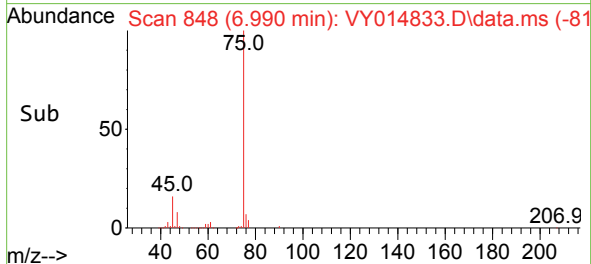
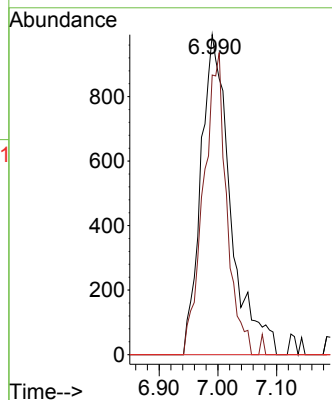
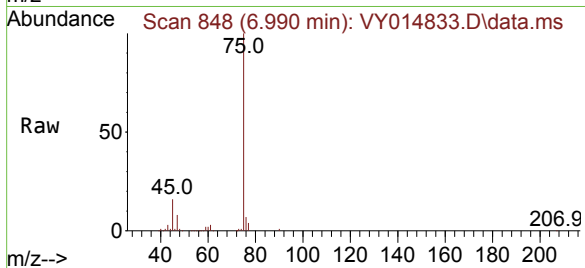
Tgt Ion: 43 Resp: 3479

Ion Ratio Lower Upper

43 100

61 73.6 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.646 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY014833.D

Acq: 26 Jul 2023 04:19

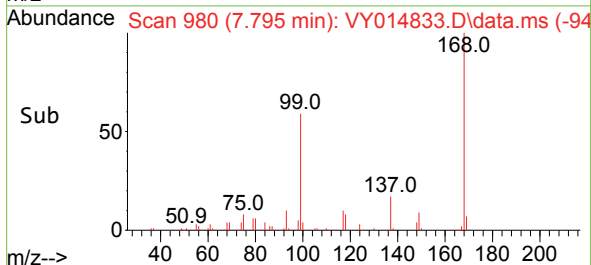
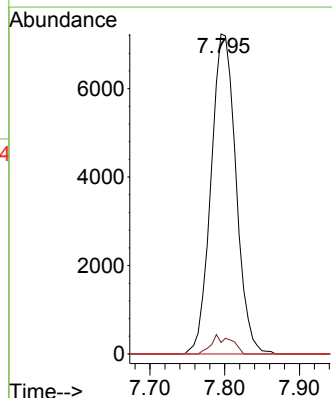
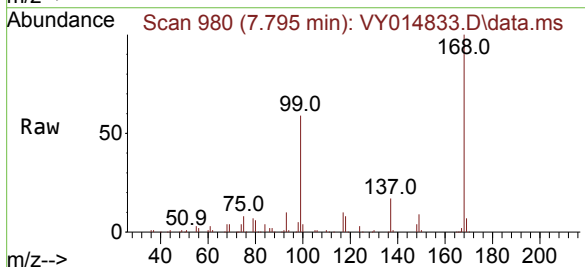
Tgt Ion: 117 Resp: 16831

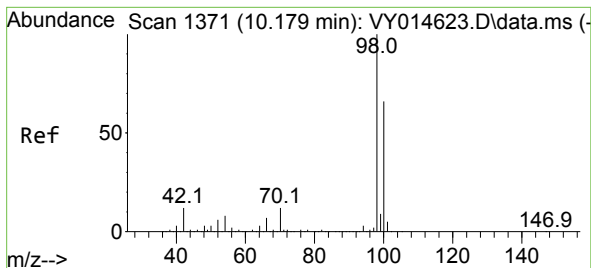
Ion Ratio Lower Upper

117 100

119 3.6 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.752 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014833.D

Acq: 26 Jul 2023 04:19

Instrument :

MSVOA_Y

ClientSampleId :

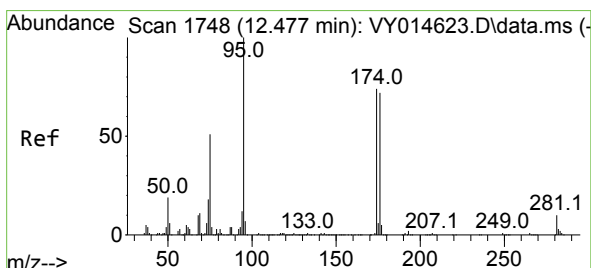
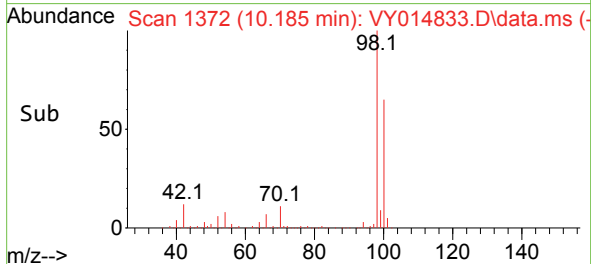
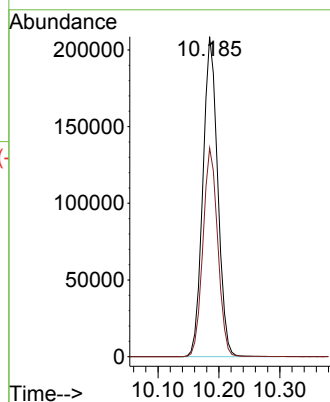
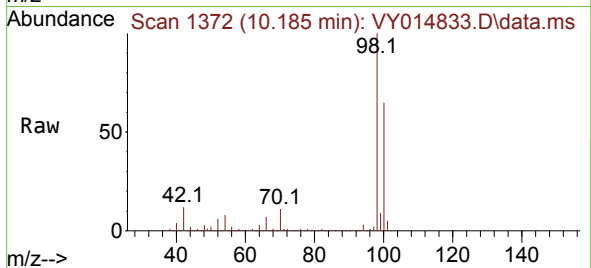
B-P13A

Tgt Ion: 98 Resp: 352812

Ion Ratio Lower Upper

98 100

100 64.9 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.046 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY014833.D

Acq: 26 Jul 2023 04:19

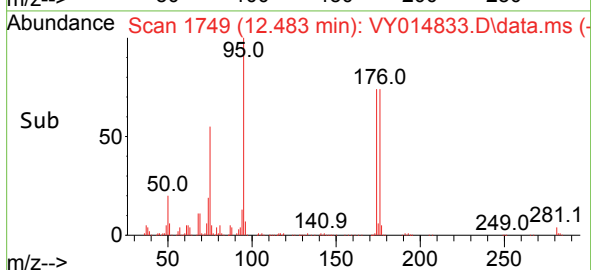
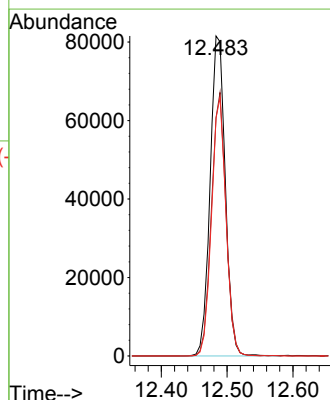
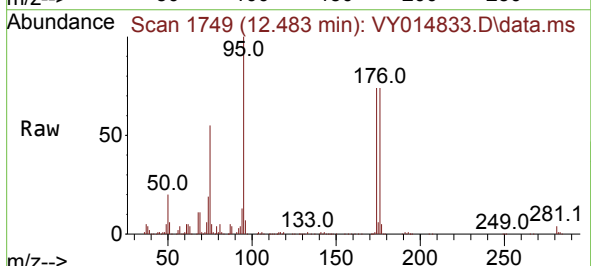
Tgt Ion: 95 Resp: 130734

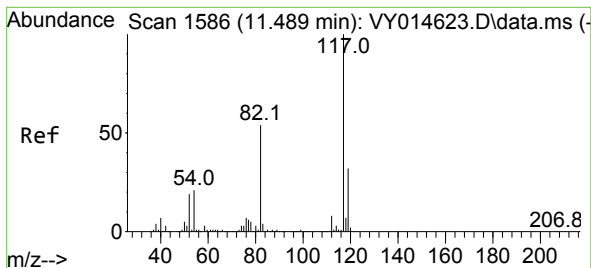
Ion Ratio Lower Upper

95 100

174 79.5 0.0 178.2

176 76.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014833.D

Acq: 26 Jul 2023 04:19

Instrument :

MSVOA_Y

ClientSampleId :

B-P13A

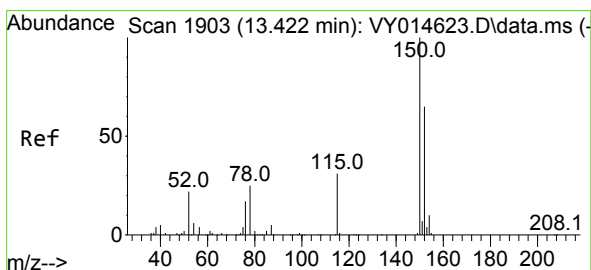
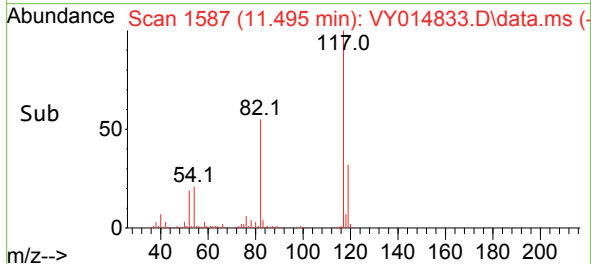
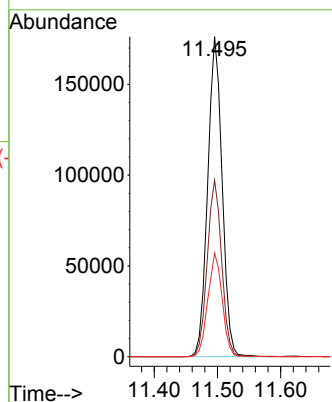
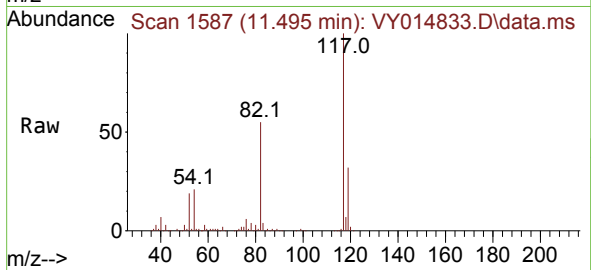
Tgt Ion:117 Resp: 280116

Ion Ratio Lower Upper

117 100

82 55.2 43.4 65.0

119 32.4 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: VY014833.D

Acq: 26 Jul 2023 04:19

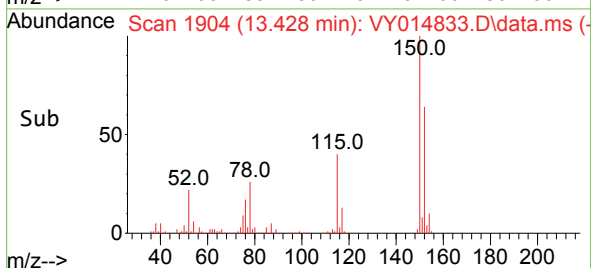
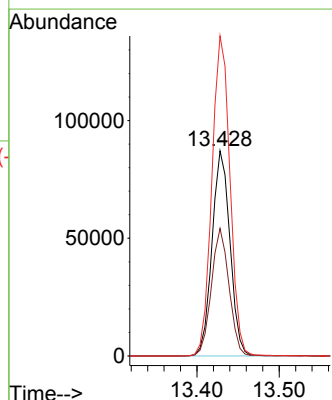
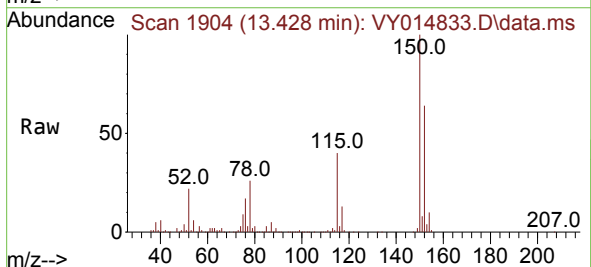
Tgt Ion:152 Resp: 131881

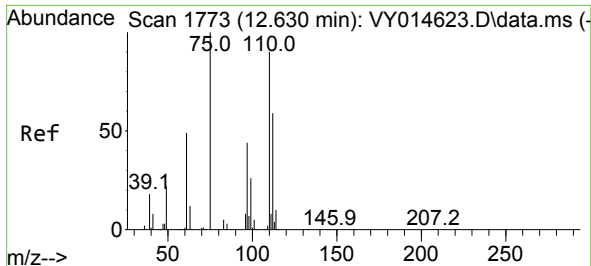
Ion Ratio Lower Upper

152 100

115 61.2 28.8 86.5

150 157.4 0.0 348.8

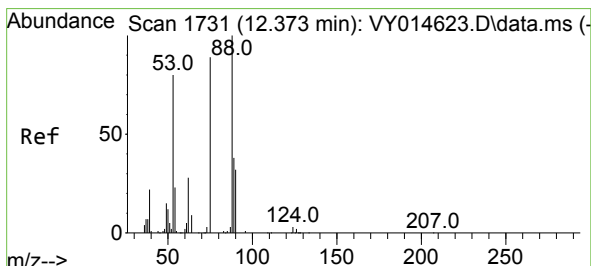
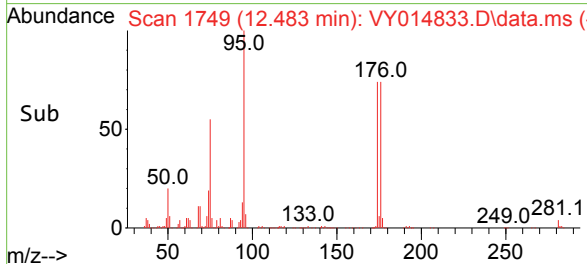
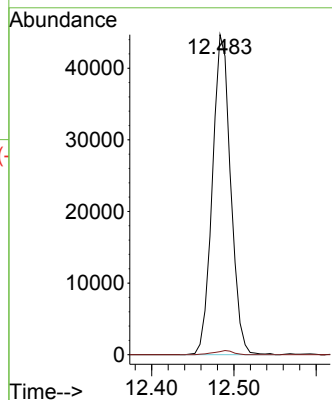
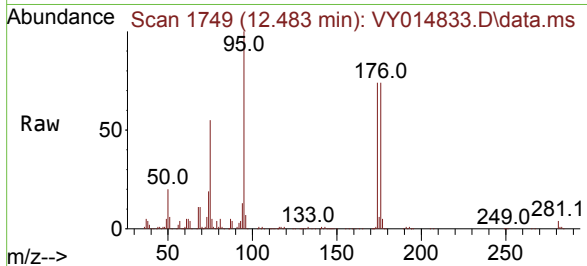




#76
1,2,3-Trichloropropane
Concen: 41.561 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY014833.D
Acq: 26 Jul 2023 04:19

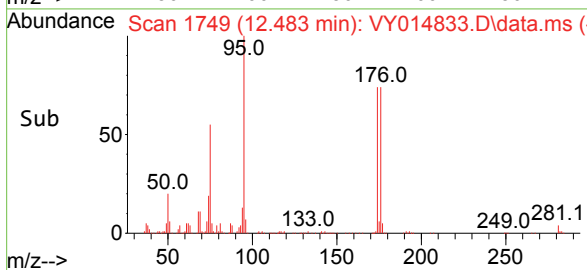
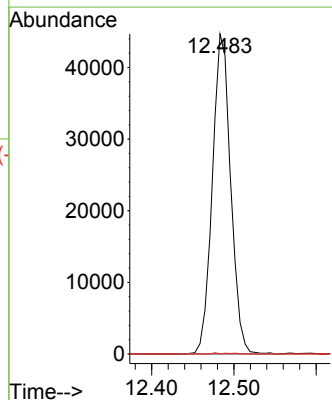
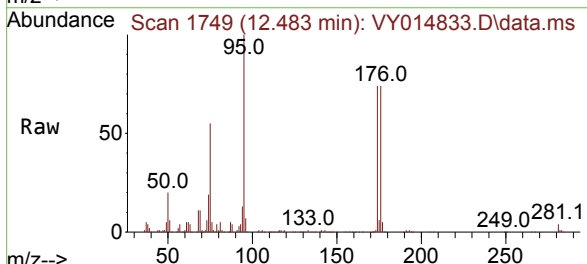
Instrument :
MSVOA_Y
ClientSampleId :
B-P13A

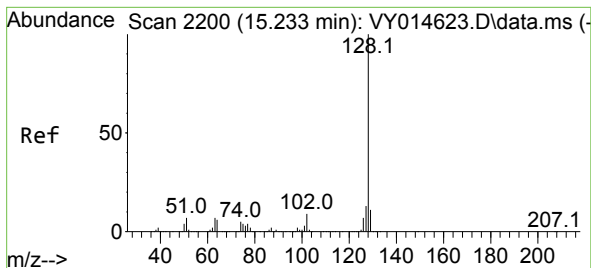
Tgt Ion: 75 Resp: 69225
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.470 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY014833.D
Acq: 26 Jul 2023 04:19

Tgt Ion: 75 Resp: 69225
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#





#95

Naphthalene

Concen: 1.270 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY014833.D

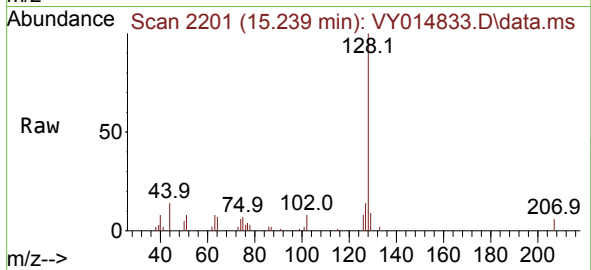
Acq: 26 Jul 2023 04:19

Instrument :

MSVOA_Y

ClientSampleId :

B-P13A



Tgt Ion:128 Resp: 7895

Ion Ratio Lower Upper

128 100

127 13.8 10.8 16.2

129 12.3 8.6 13.0

