

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014804.D
 Acq On : 25 Jul 2023 16:09
 Operator : SY/MD
 Sample : 03742-05
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P33B

Quant Time: Jul 26 01:19:52 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)

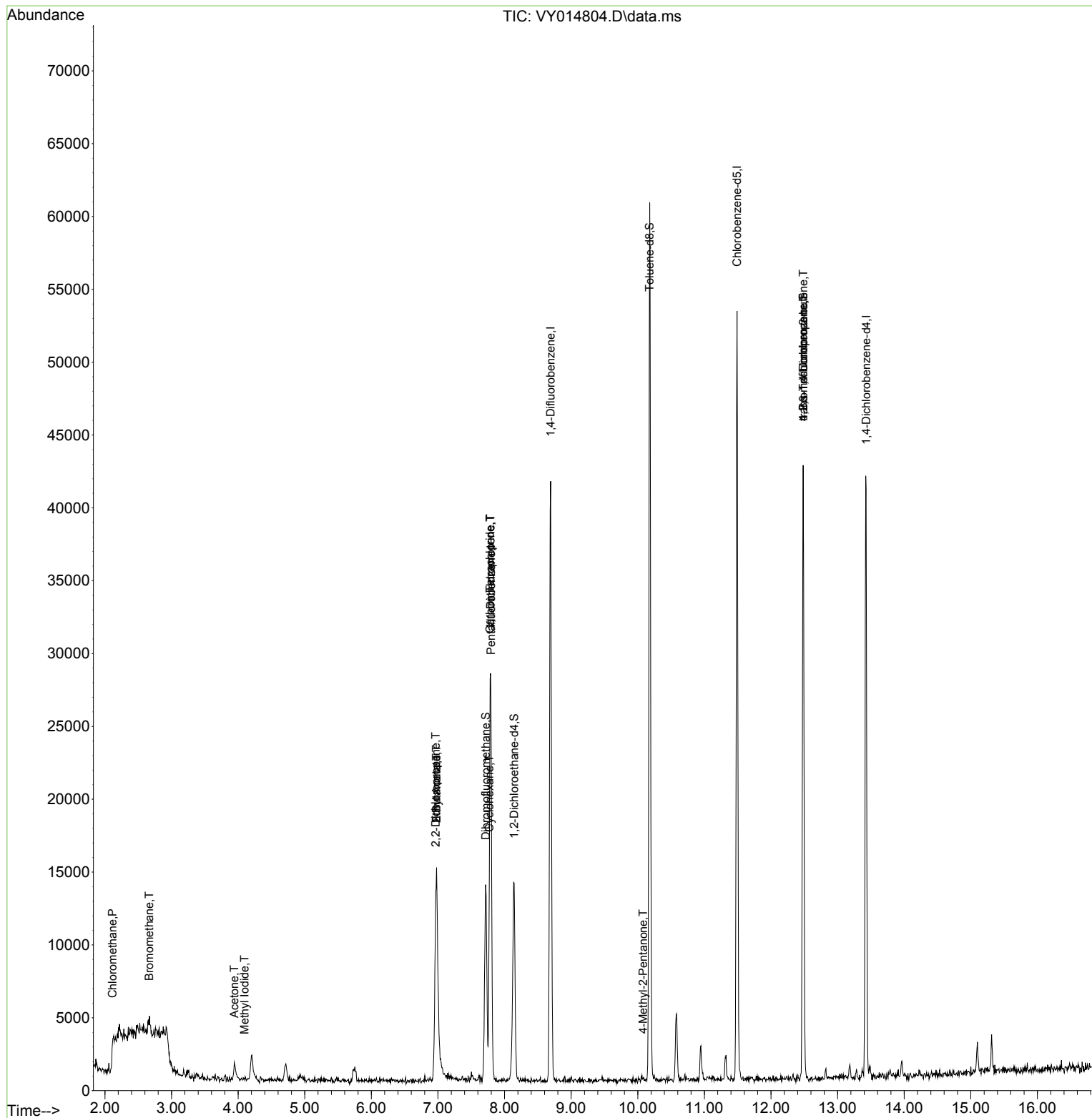
Internal Standards						
1) Pentafluorobenzene	7.795	168	22752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	35127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	28472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	11071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	10260	39.573	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.140%		
35) Dibromofluoromethane	7.716	113	9691	43.339	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.680%		
50) Toluene-d8	10.179	98	40063	48.596	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.200%		
62) 4-Bromofluorobenzene	12.483	95	11708	37.038	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	74.080%		
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	332	1.593	ug/l #	81
5) Bromomethane	2.662	94	416	2.703	ug/l	86
10) Methyl Iodide	4.095	142	204	3.134	ug/l #	38
11) Tert butyl alcohol	4.960	59	232	Below Cal	#	89
16) Acetone	3.942	43	1743	21.215	ug/l #	61
20) Methylene Chloride	4.716	84	899	Below Cal	#	61
25) 2-Butanone	6.978	43	1386	11.531	ug/l #	49
26) 2,2-Dichloropropane	6.966	77	523	1.186	ug/l #	54
31) Cyclohexane	7.771	56	433	1.006	ug/l #	46
36) 1,1-Dichloropropene	7.789	75	2010	6.011	ug/l #	47
37) Ethyl Acetate	6.978	43	1386	6.020	ug/l #	34
38) Carbon Tetrachloride	7.783	117	2232	6.314	ug/l #	17
51) 4-Methyl-2-Pentanone	10.081	43	235	1.021	ug/l #	39
76) 1,2,3-Trichloropropane	12.483	75	6351	45.422	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6351	87.944	ug/l #	10

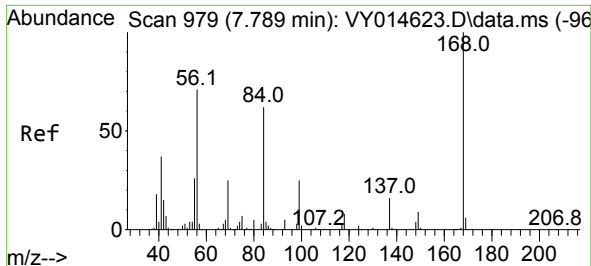
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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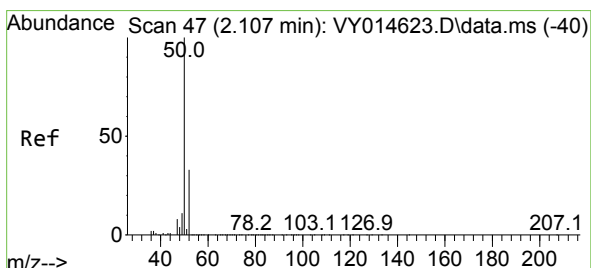
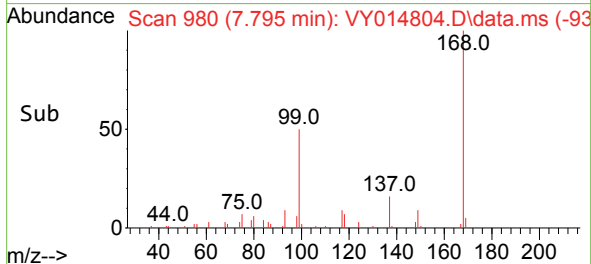
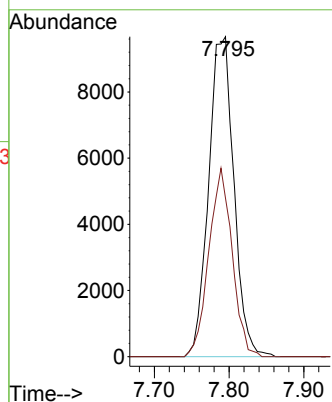
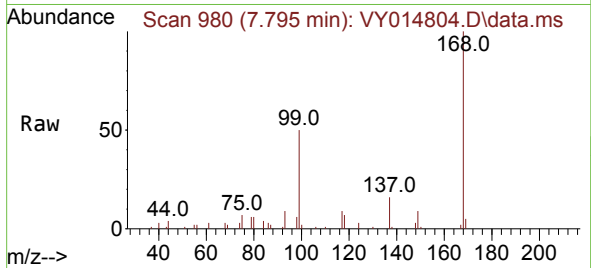




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014804.D
Acq: 25 Jul 2023 16:09

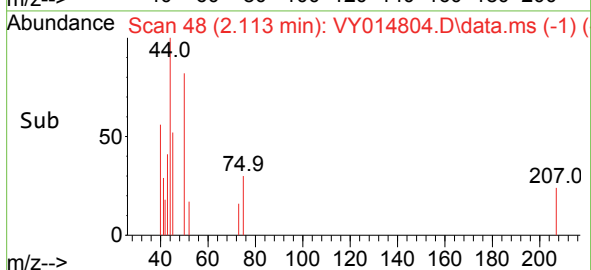
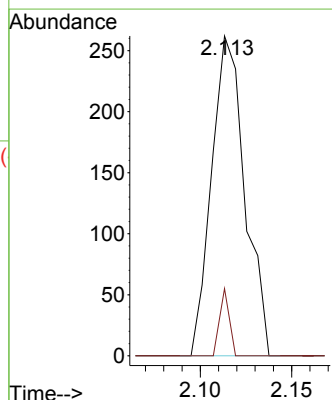
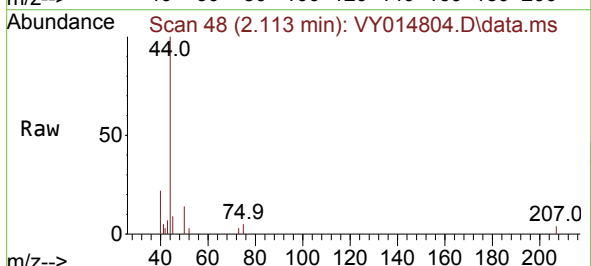
Instrument :
MSVOA_Y
ClientSampleId :
B-P33B

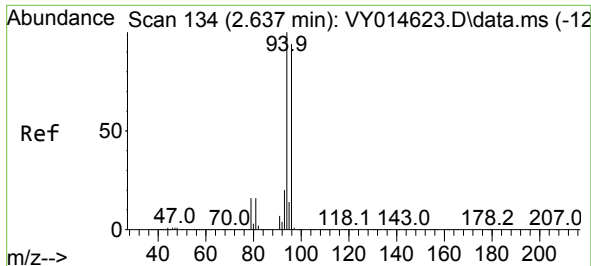
Tgt Ion:168 Resp: 22752
Ion Ratio Lower Upper
168 100
99 49.5 43.4 65.0



#3
Chloromethane
Concen: 1.593 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014804.D
Acq: 25 Jul 2023 16:09

Tgt Ion: 50 Resp: 332
Ion Ratio Lower Upper
50 100
52 21.0 25.4 38.2#

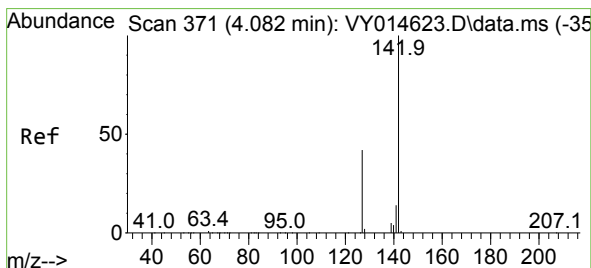
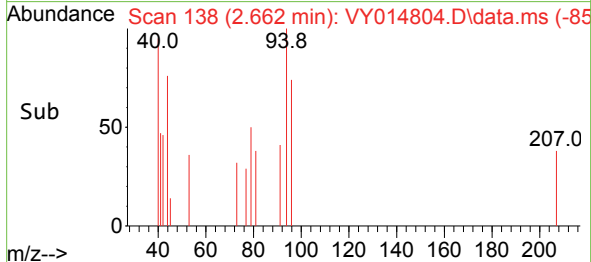
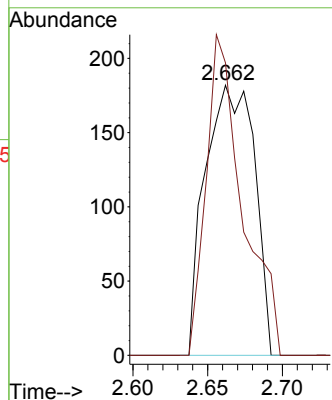
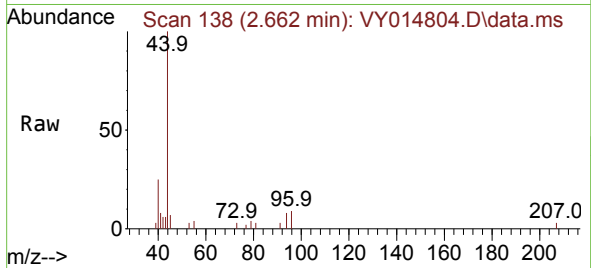




#5
Bromomethane
Concen: 2.703 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY014804.D
Acq: 25 Jul 2023 16:09

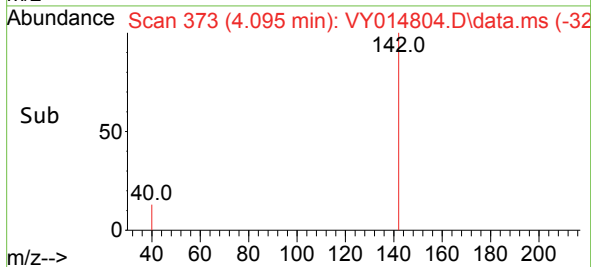
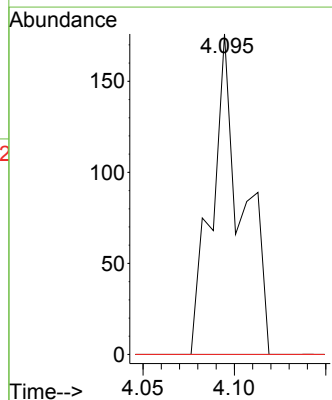
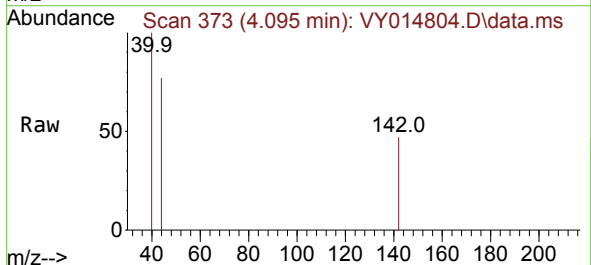
Instrument :
MSVOA_Y
ClientSampleId :
B-P33B

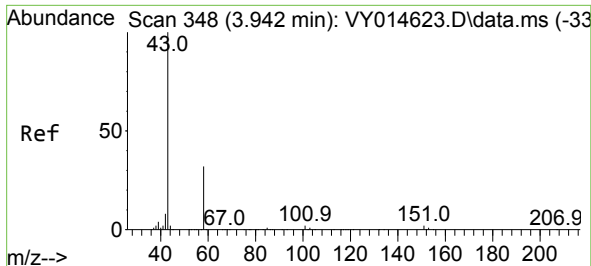
Tgt Ion: 94 Resp: 416
Ion Ratio Lower Upper
94 100
96 108.2 75.8 113.6



#10
Methyl Iodide
Concen: 3.134 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.013 min
Lab File: VY014804.D
Acq: 25 Jul 2023 16:09

Tgt Ion:142 Resp: 204
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

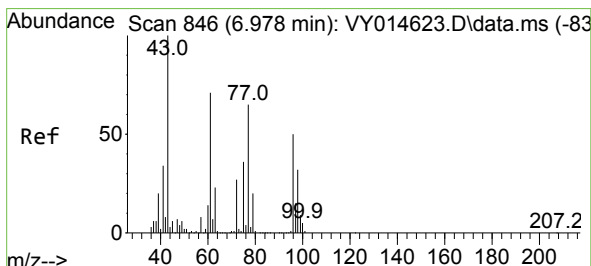
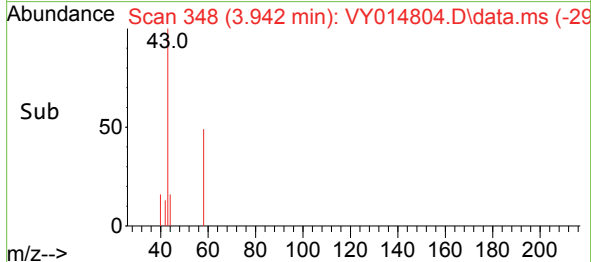
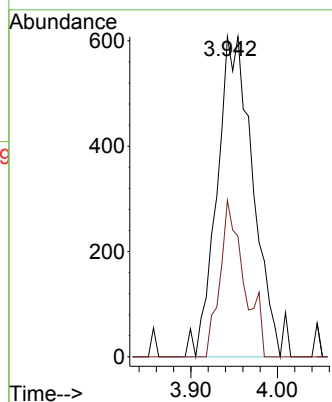
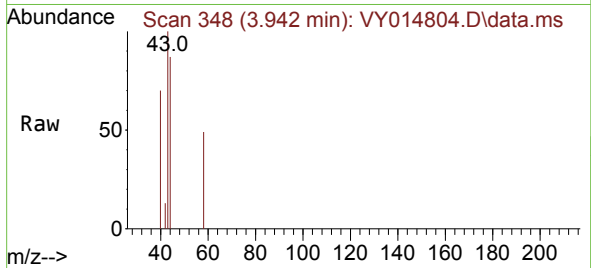




#16
Acetone
Concen: 21.215 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014804.D
Acq: 25 Jul 2023 16:09

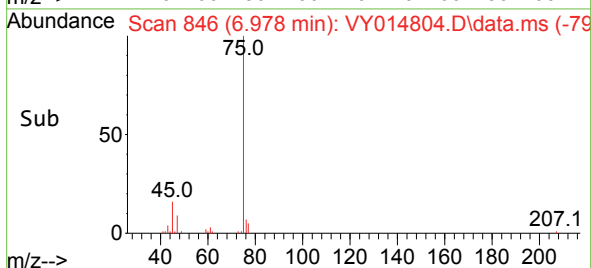
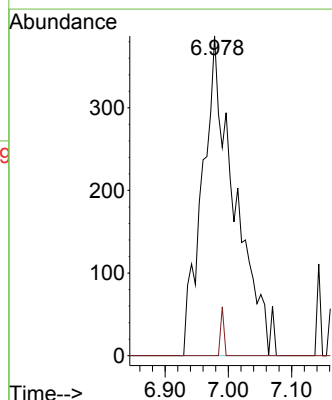
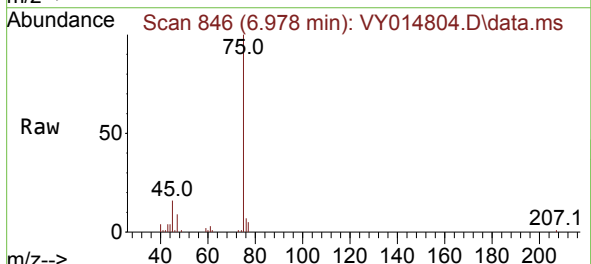
Instrument :
MSVOA_Y
ClientSampleId :
B-P33B

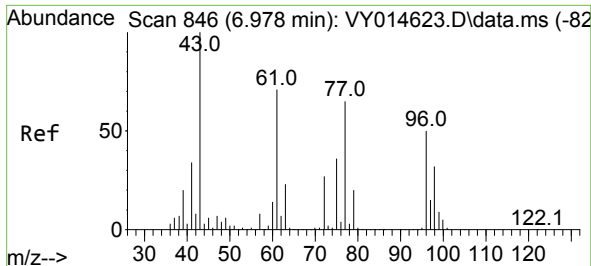
Tgt Ion: 43 Resp: 1743
Ion Ratio Lower Upper
43 100
58 48.8 22.7 34.1#



#25
2-Butanone
Concen: 11.531 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014804.D
Acq: 25 Jul 2023 16:09

Tgt Ion: 43 Resp: 1386
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 1.186 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY014804.D

Acq: 25 Jul 2023 16:09

Instrument :

MSVOA_Y

ClientSampleId :

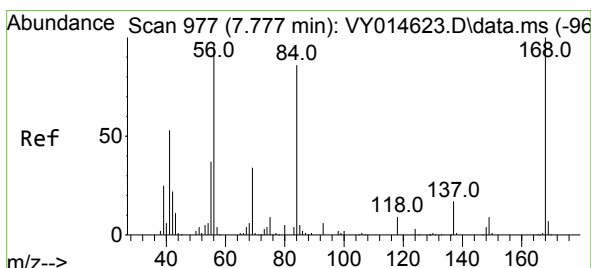
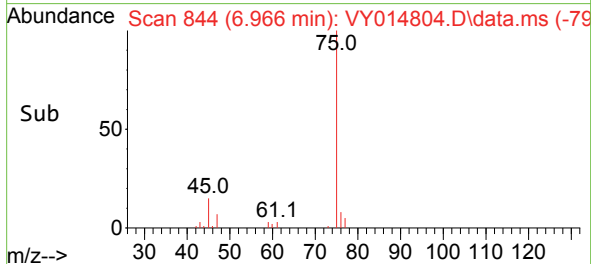
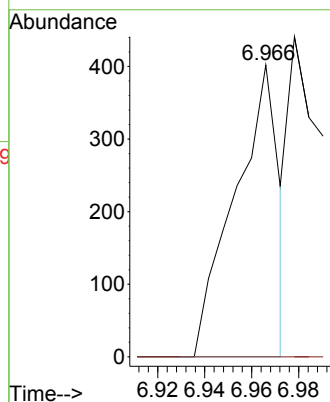
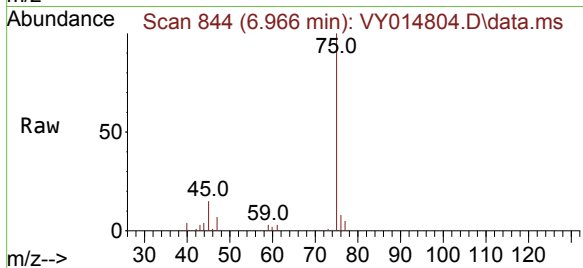
B-P33B

Tgt Ion: 77 Resp: 523

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.006 ug/l

RT: 7.771 min Scan# 976

Delta R.T. -0.006 min

Lab File: VY014804.D

Acq: 25 Jul 2023 16:09

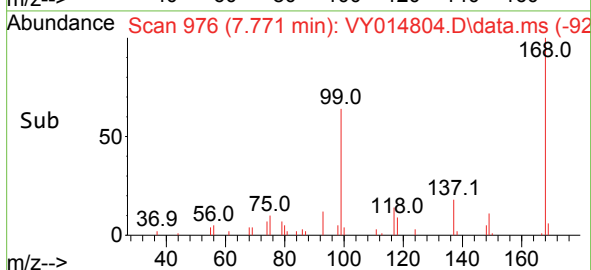
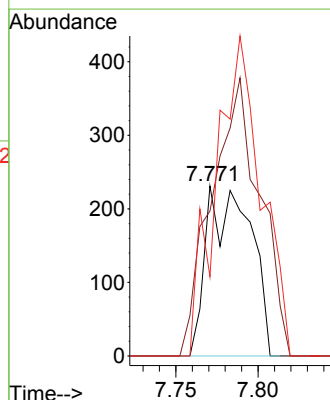
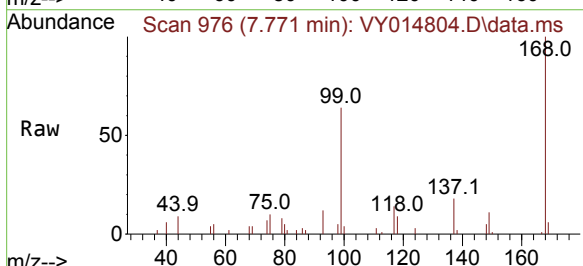
Tgt Ion: 56 Resp: 433

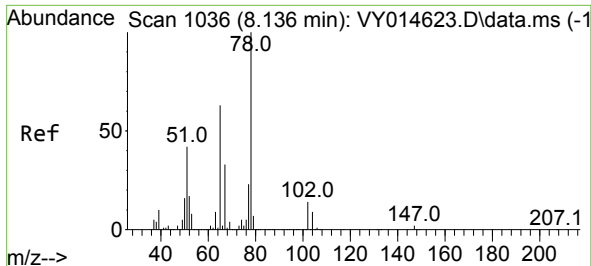
Ion Ratio Lower Upper

56 100

69 85.3 27.8 41.6#

84 46.8 66.4 99.6#

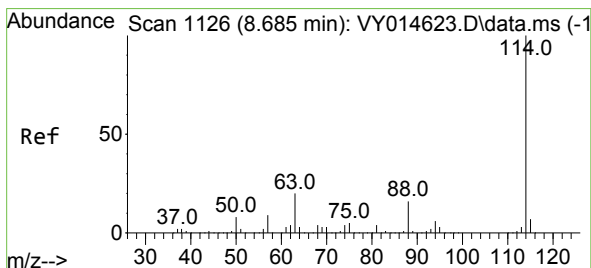
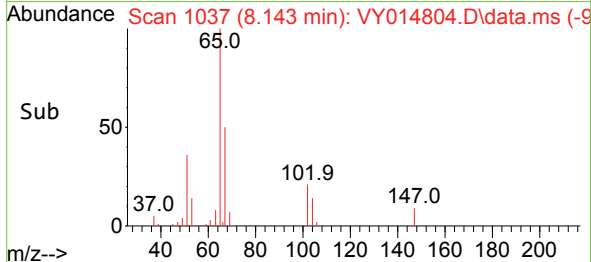
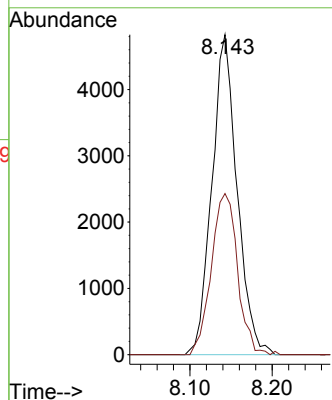
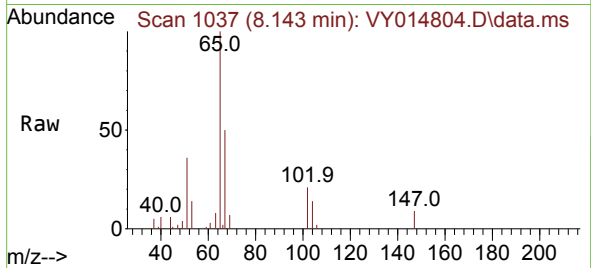




#33
 1,2-Dichloroethane-d4
 Concen: 39.573 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.007 min
 Lab File: VY014804.D
 Acq: 25 Jul 2023 16:09

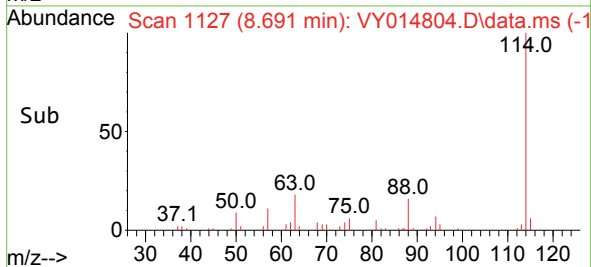
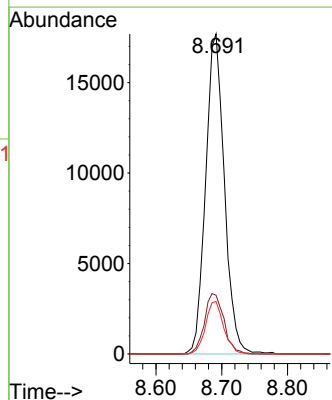
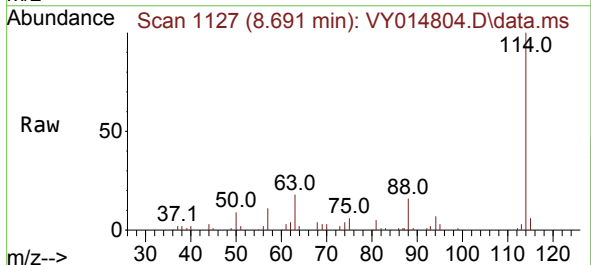
Instrument :
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 B-P33B

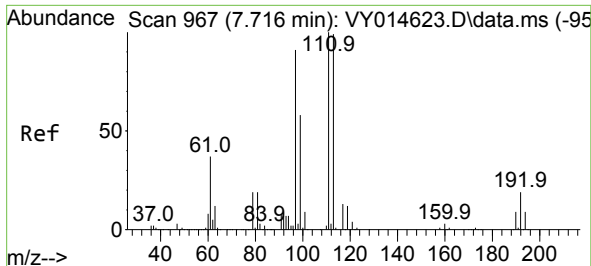
Tgt Ion: 65 Resp: 10260
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY014804.D
 Acq: 25 Jul 2023 16:09

Tgt Ion: 114 Resp: 35127
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 42.4
 88 16.4 0.0 30.6

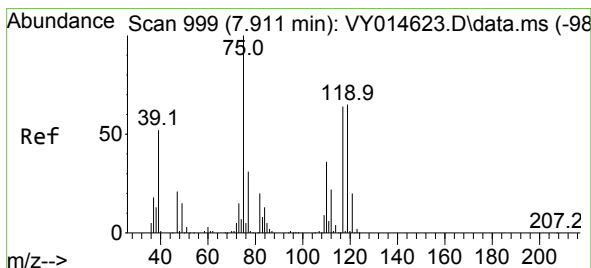
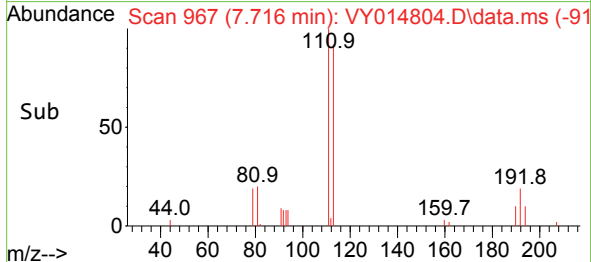
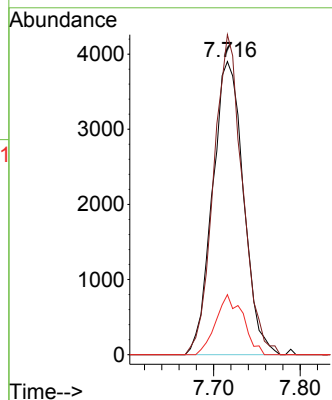
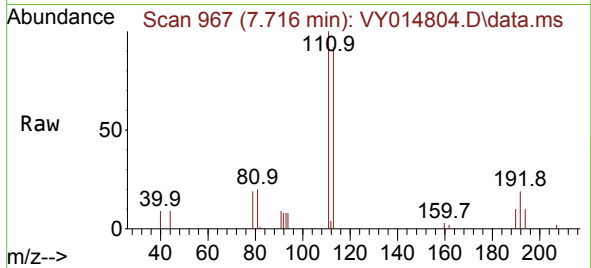




#35
Dibromofluoromethane
Concen: 43.339 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014804.D
Acq: 25 Jul 2023 16:09

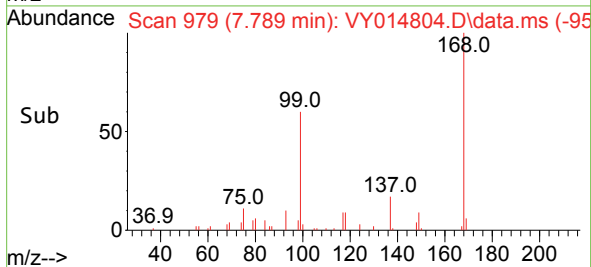
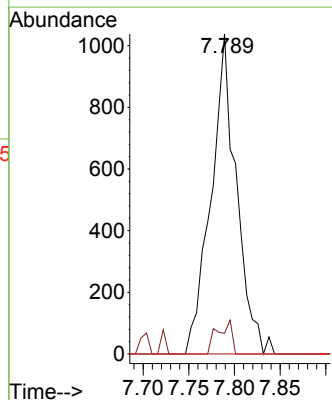
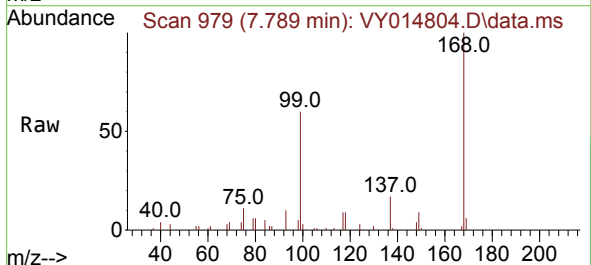
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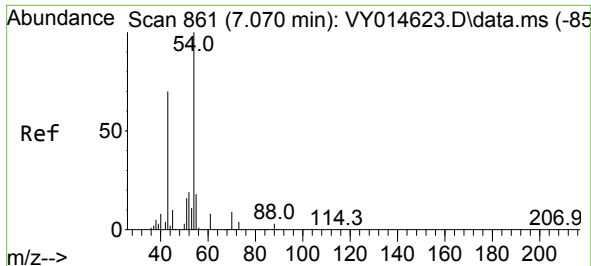
Tgt Ion:113 Resp: 9691
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 18.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.011 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014804.D
Acq: 25 Jul 2023 16:09

Tgt Ion: 75 Resp: 2010
Ion Ratio Lower Upper
75 100
110 6.0 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 6.020 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY014804.D

Acq: 25 Jul 2023 16:09

Instrument :

MSVOA_Y

ClientSampleId :

B-P33B

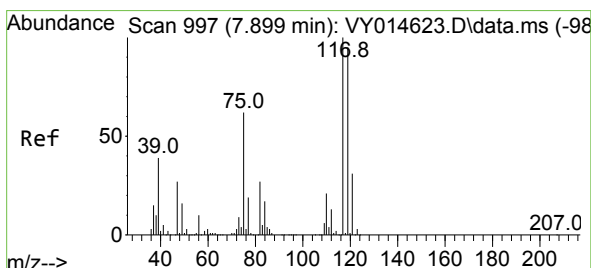
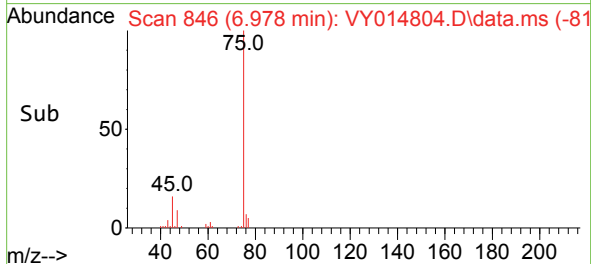
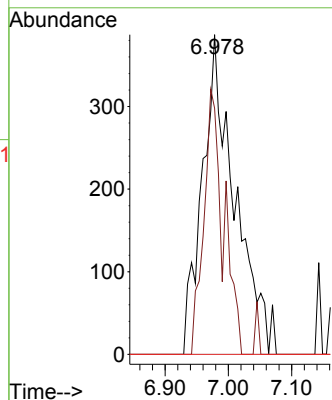
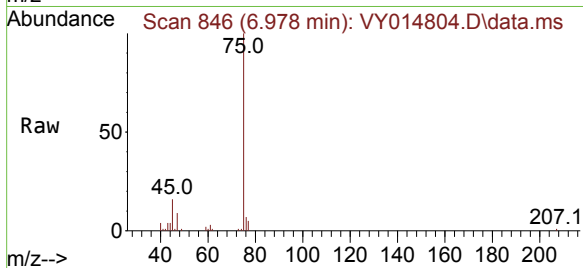
Tgt Ion: 43 Resp: 1386

Ion Ratio Lower Upper

43 100

61 50.1 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.314 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY014804.D

Acq: 25 Jul 2023 16:09

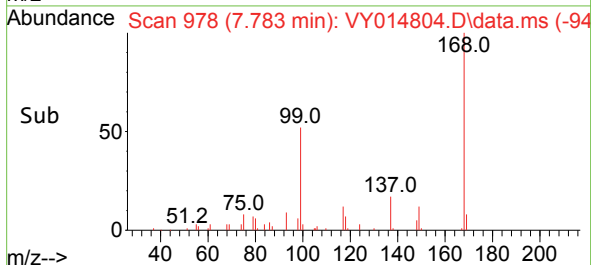
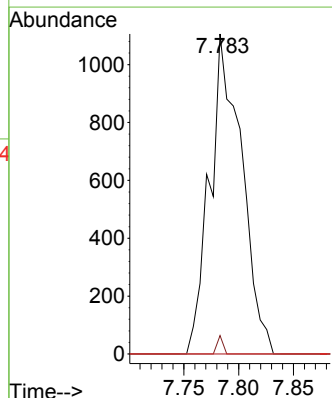
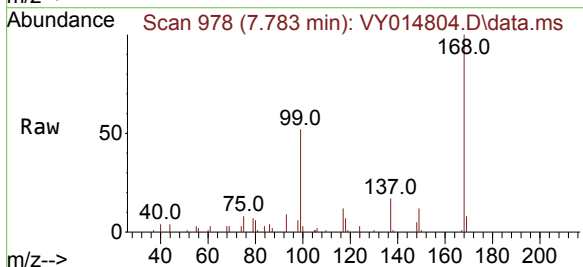
Tgt Ion: 117 Resp: 2232

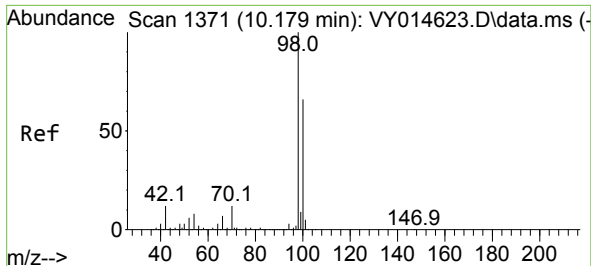
Ion Ratio Lower Upper

117 100

119 5.8 76.4 114.6#

121 0.0 25.8 38.6#

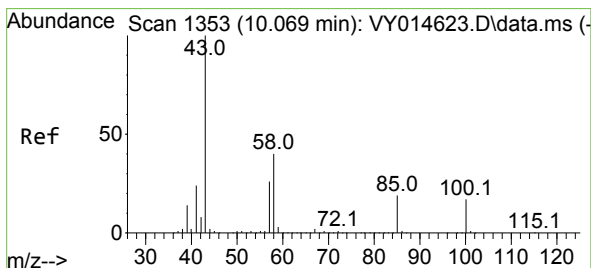
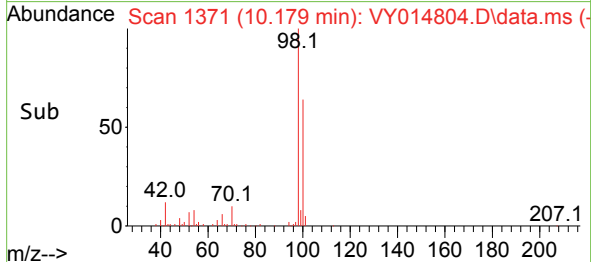
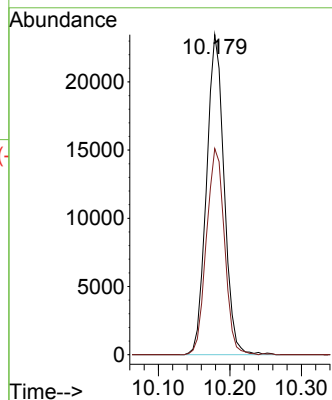
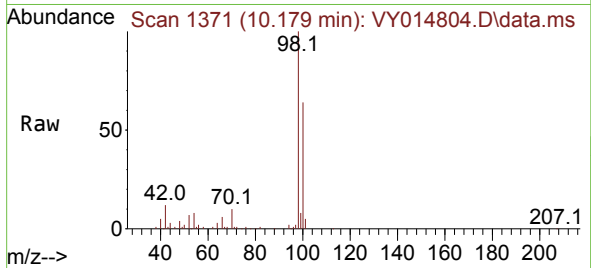




#50
Toluene-d8
Concen: 48.596 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014804.D
Acq: 25 Jul 2023 16:09

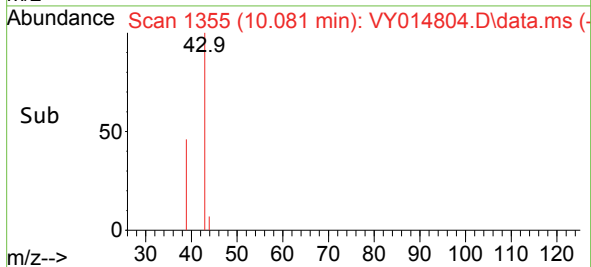
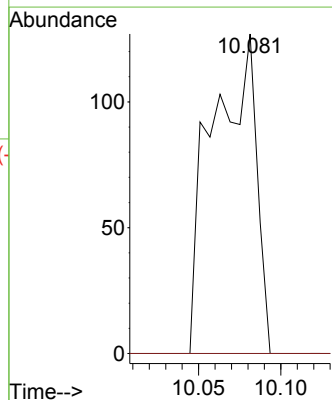
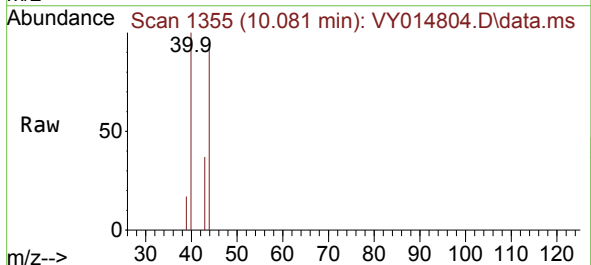
Instrument :
MSVOA_Y
ClientSampleId :
B-P33B

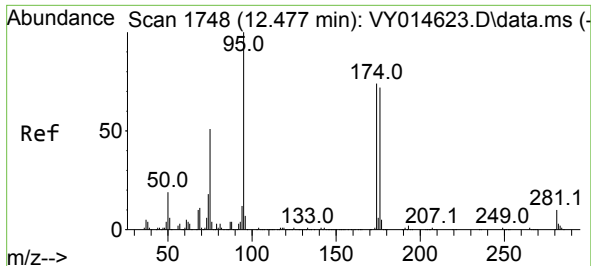
Tgt Ion: 98 Resp: 40063
Ion Ratio Lower Upper
98 100
100 66.1 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.021 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.012 min
Lab File: VY014804.D
Acq: 25 Jul 2023 16:09

Tgt Ion: 43 Resp: 235
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#

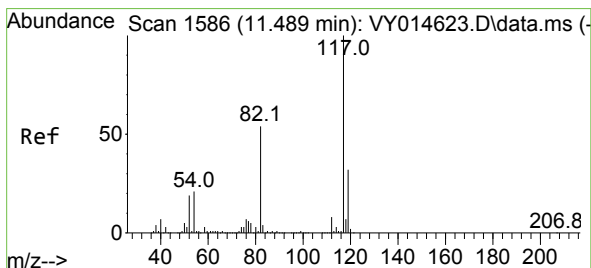
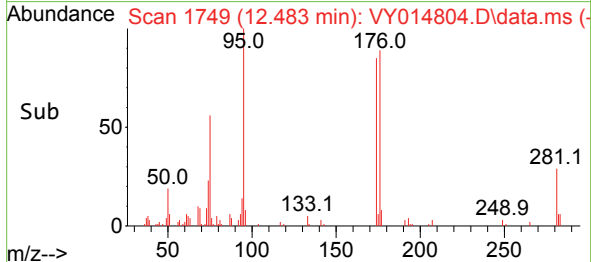
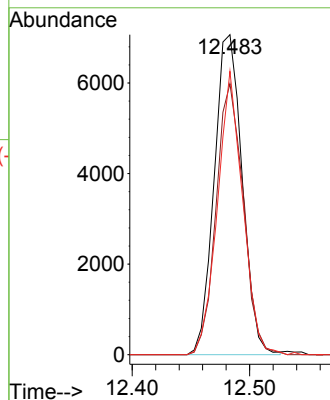
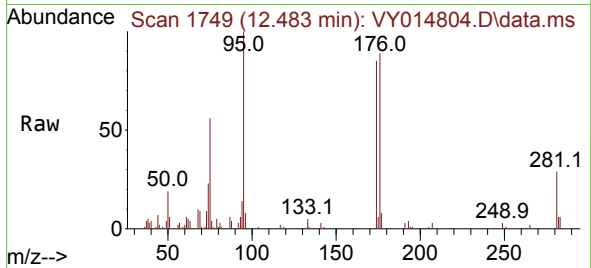




#62
4-Bromofluorobenzene
Concen: 37.038 ug/l
RT: 12.483 min Scan# 11708
Delta R.T. 0.006 min
Lab File: VY014804.D
Acq: 25 Jul 2023 16:09

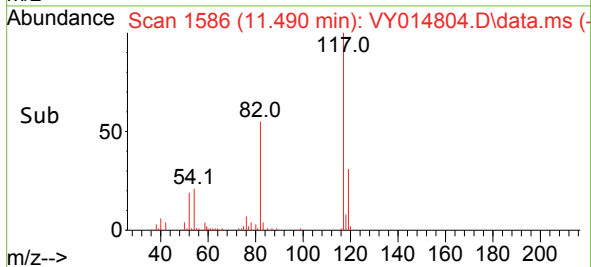
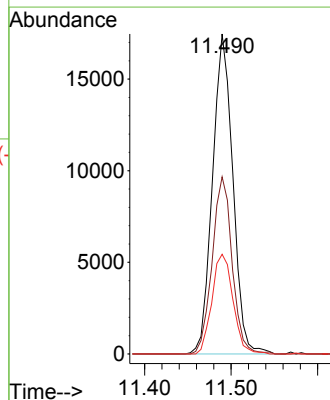
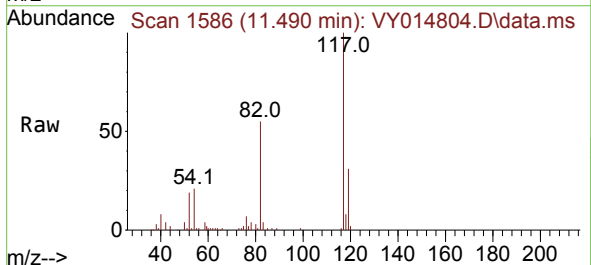
Instrument :
MSVOA_Y
ClientSampleId :
B-P33B

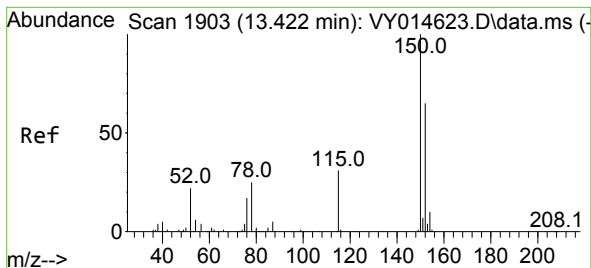
Tgt Ion: 95	Resp: 11708
Ion Ratio	Lower Upper
95 100	
174 82.5	0.0 178.2
176 80.2	0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014804.D
Acq: 25 Jul 2023 16:09

Tgt Ion: 117	Resp: 28472
Ion Ratio	Lower Upper
117 100	
82 55.4	43.4 65.0
119 31.1	26.3 39.5

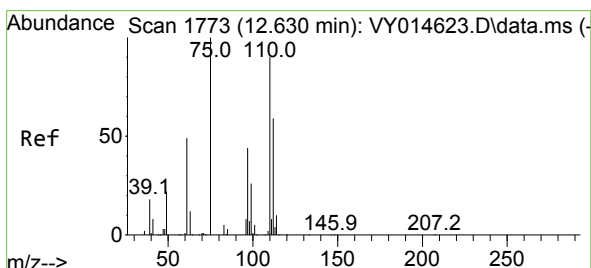
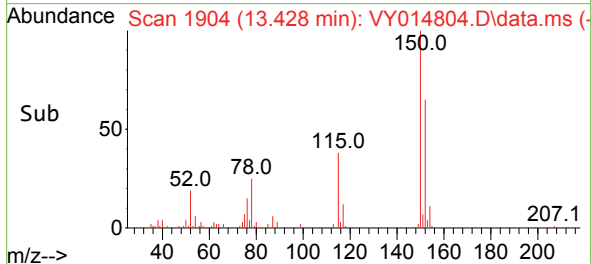
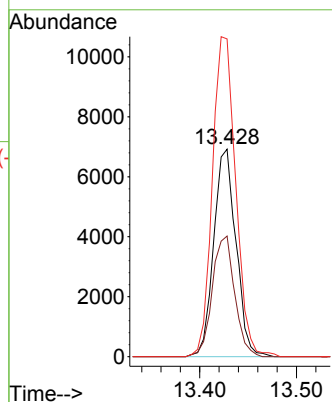
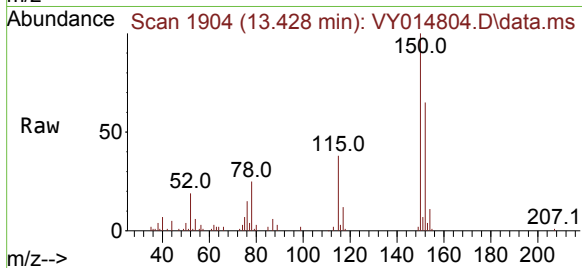




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY014804.D
 Acq: 25 Jul 2023 16:09

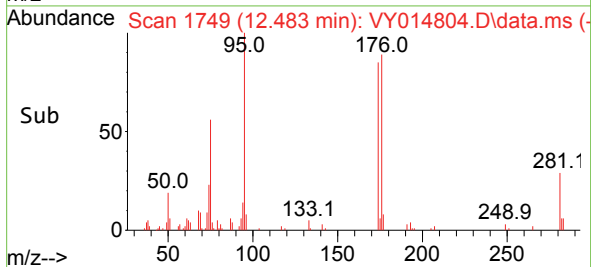
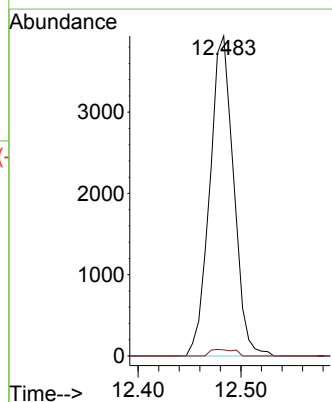
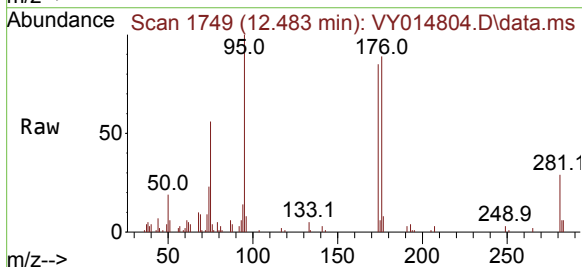
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P33B

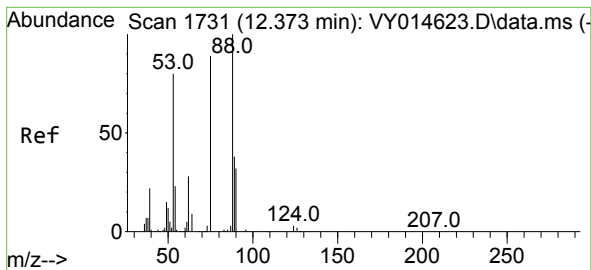
Tgt Ion:152 Resp: 11071
 Ion Ratio Lower Upper
 152 100
 115 58.5 28.8 86.5
 150 161.2 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 45.422 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY014804.D
 Acq: 25 Jul 2023 16:09

Tgt Ion: 75 Resp: 6351
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.944 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014804.D
 Acq: 25 Jul 2023 16:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P33B

Tgt Ion:	75	Resp:	6351
Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.0	37.4	56.0#

