

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040323\
 Data File : VY013180.D
 Acq On : 03 Apr 2023 16:55
 Operator : KP/MD
 Sample : 02165-05
 Misc : 5.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5B

Quant Time: Apr 03 23:10:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

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

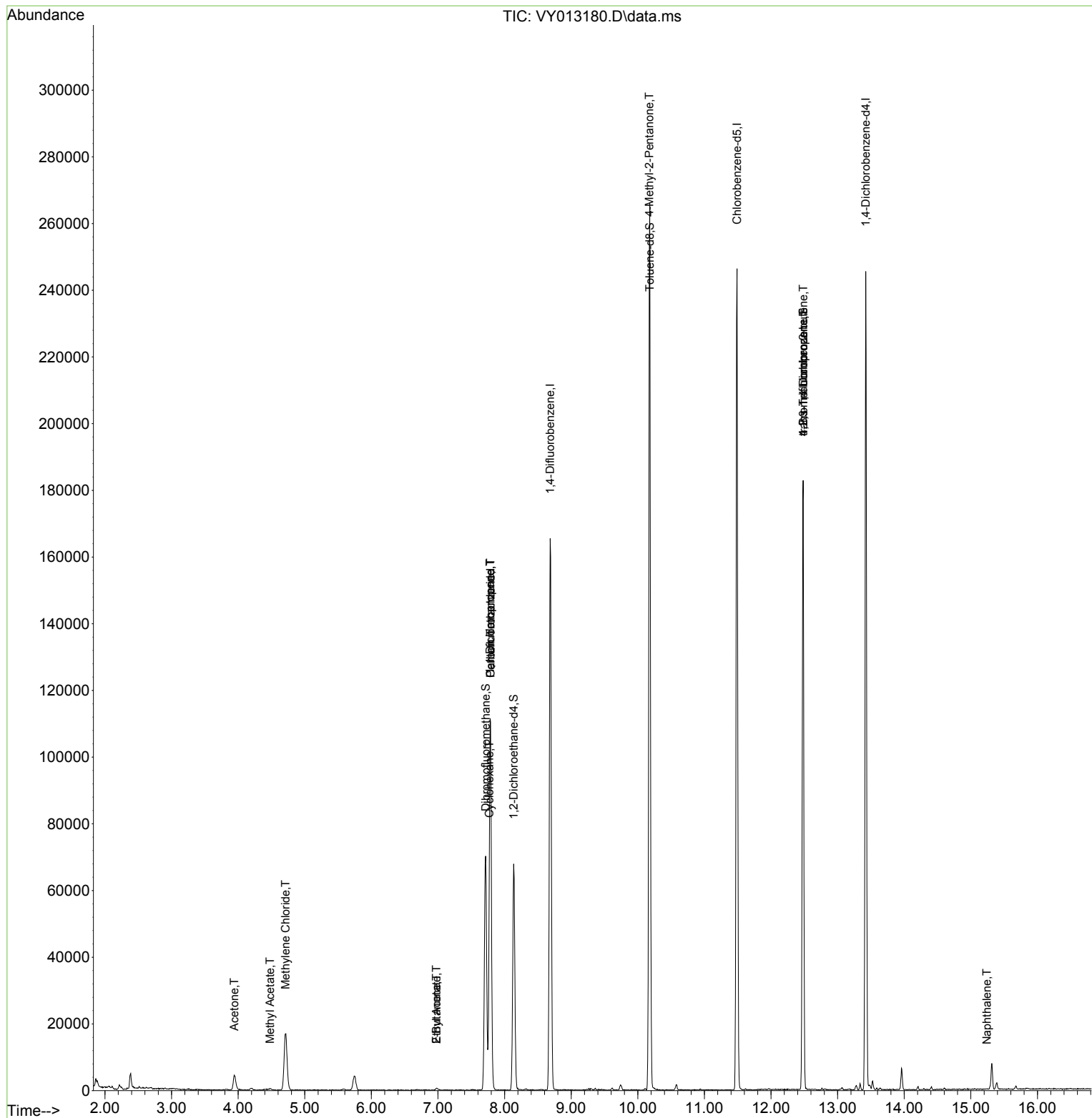
Internal Standards						
1) Pentafluorobenzene	7.789	168	91210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	146056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	137215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	65580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	54871	55.978	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.960%			
35) Dibromofluoromethane	7.716	113	49124	51.485	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.980%			
50) Toluene-d8	10.179	98	172236	47.817	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.640%			
62) 4-Bromofluorobenzene	12.483	95	52635	44.893	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.780%			
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	8212	27.397	ug/l	97
18) Methyl Acetate	4.479	43	1034	1.095	ug/l #	64
20) Methylene Chloride	4.710	84	13129	8.198	ug/l	93
25) 2-Butanone	6.978	43	898	2.396	ug/l #	79
31) Cyclohexane	7.771	56	1718	1.074	ug/l #	40
36) 1,1-Dichloropropene	7.783	75	6171	4.296	ug/l #	50
37) Ethyl Acetate	6.978	43	898	1.101	ug/l #	69
38) Carbon Tetrachloride	7.789	117	8406	5.304	ug/l #	17
51) 4-Methyl-2-Pentanone	10.173	43	832	1.056	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	27832	37.778	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	27832	84.251	ug/l #	13
95) Naphthalene	15.239	128	155	3.292	ug/l #	69

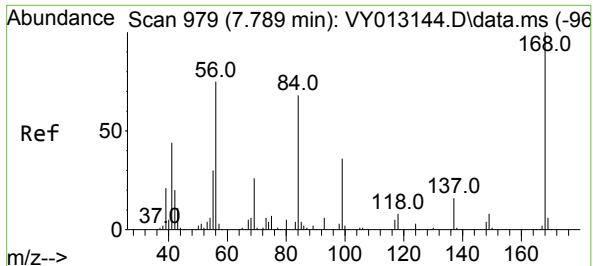
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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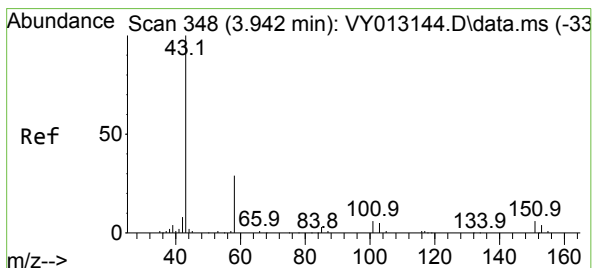
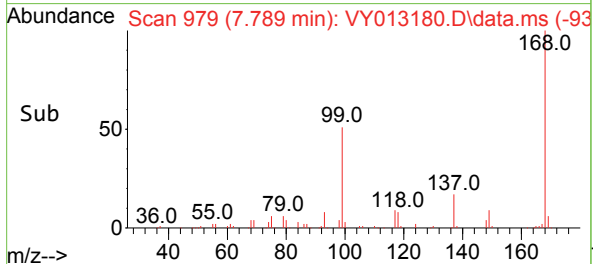
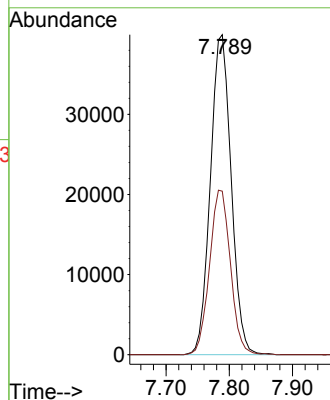
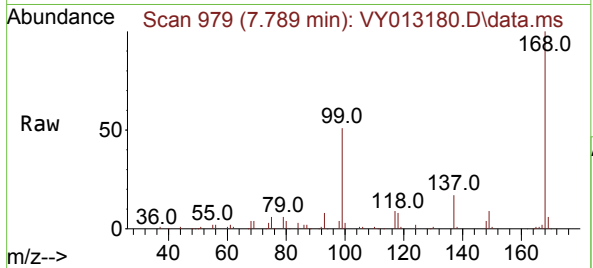




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013180.D
Acq: 03 Apr 2023 16:55

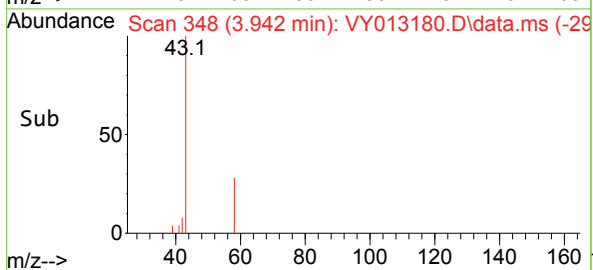
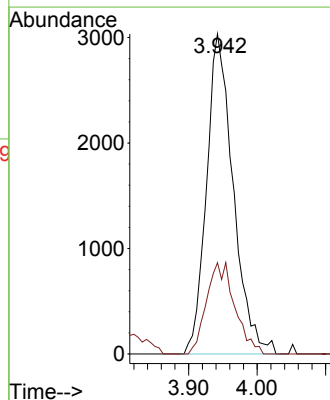
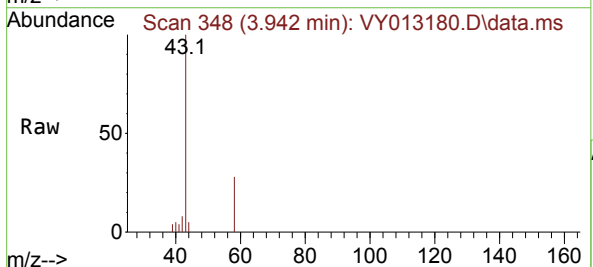
Instrument :
MSVOA_Y
ClientSampleId :
SB-5B

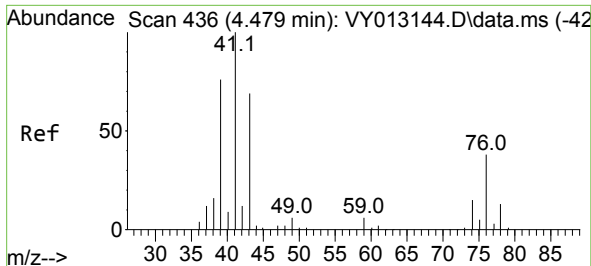
Tgt Ion:168 Resp: 91210
Ion Ratio Lower Upper
168 100
99 51.1 41.7 62.5



#16
Acetone
Concen: 27.397 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY013180.D
Acq: 03 Apr 2023 16:55

Tgt Ion: 43 Resp: 8212
Ion Ratio Lower Upper
43 100
58 28.5 24.2 36.2

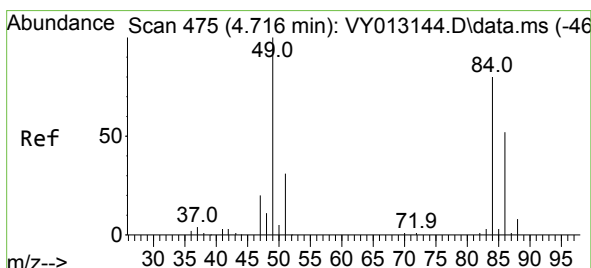
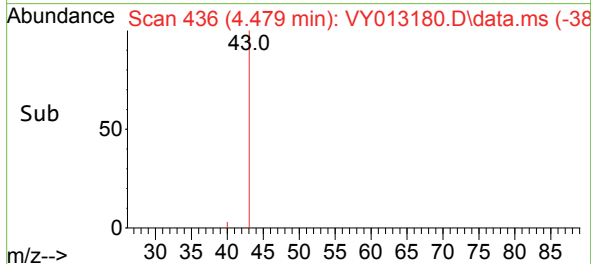
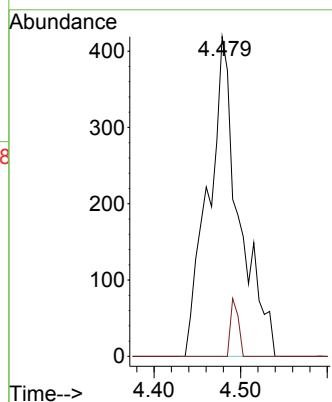
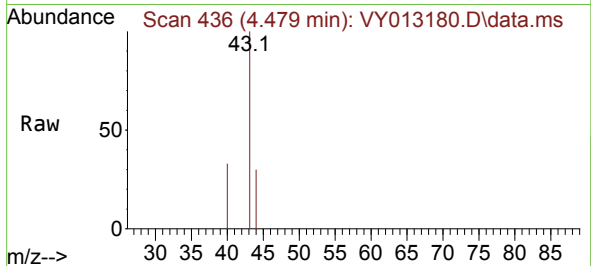




#18
Methyl Acetate
Concen: 1.095 ug/l
RT: 4.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY013180.D
Acq: 03 Apr 2023 16:55

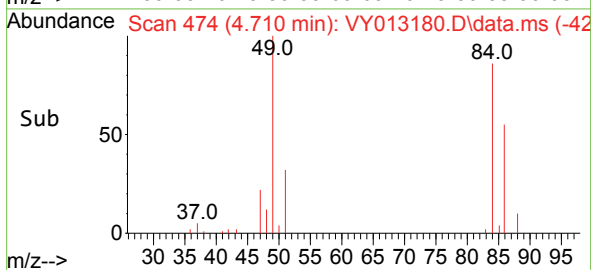
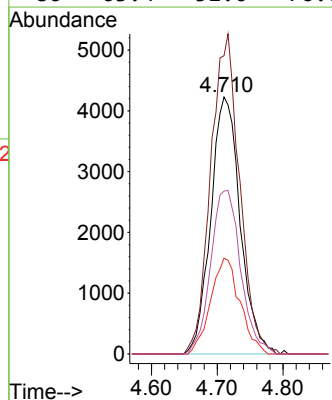
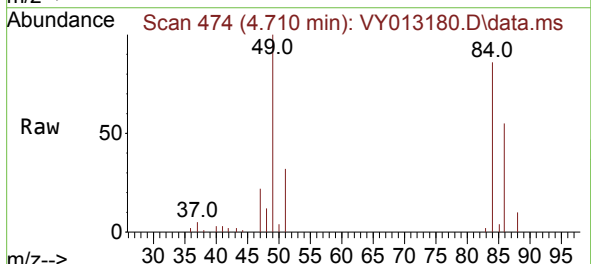
Instrument :
MSVOA_Y
ClientSampleId :
SB-5B

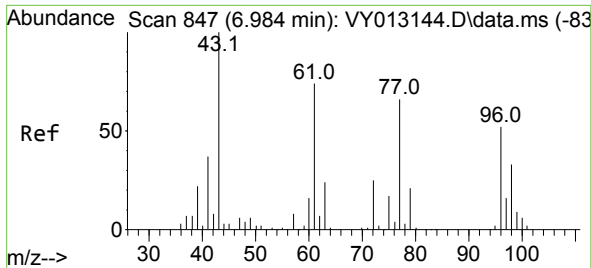
Tgt Ion: 43 Resp: 1034
Ion Ratio Lower Upper
43 100
74 4.5 17.4 26.0#



#20
Methylene Chloride
Concen: 8.198 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY013180.D
Acq: 03 Apr 2023 16:55

Tgt Ion: 84 Resp: 13129
Ion Ratio Lower Upper
84 100
49 116.1 102.6 154.0
51 37.3 31.9 47.9
86 63.4 51.0 76.6





#25

2-Butanone

Concen: 2.396 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY013180.D

Acq: 03 Apr 2023 16:55

Instrument :

MSVOA_Y

ClientSampleId :

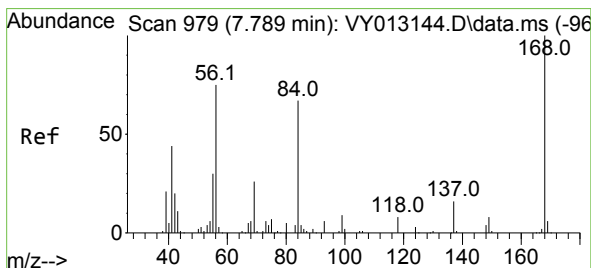
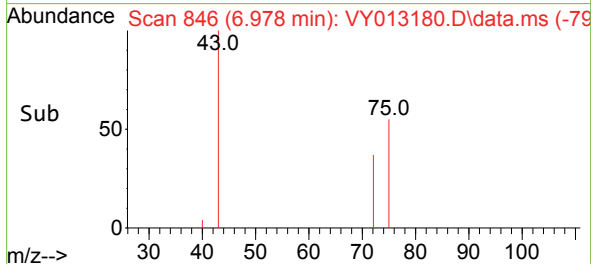
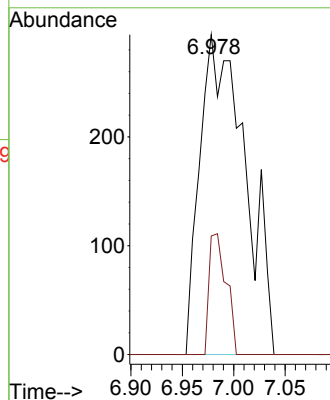
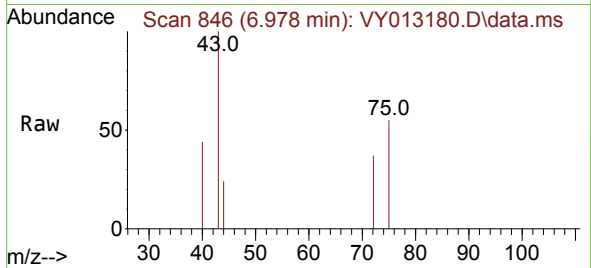
SB-5B

Tgt Ion: 43 Resp: 898

Ion Ratio Lower Upper

43 100

72 37.1 21.0 31.4#



#31

Cyclohexane

Concen: 1.074 ug/l

RT: 7.771 min Scan# 976

Delta R.T. -0.018 min

Lab File: VY013180.D

Acq: 03 Apr 2023 16:55

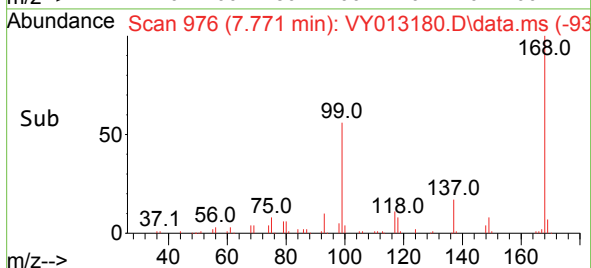
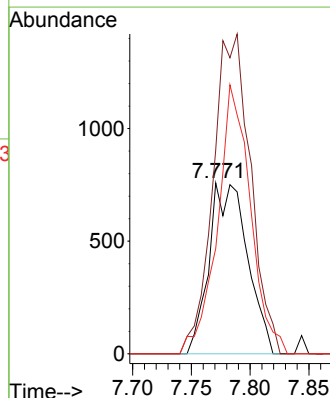
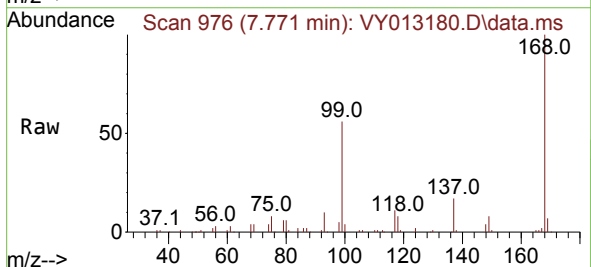
Tgt Ion: 56 Resp: 1718

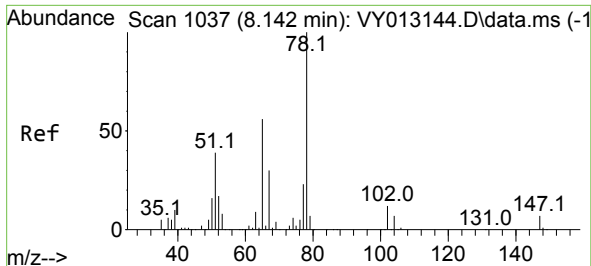
Ion Ratio Lower Upper

56 100

69 119.2 25.7 38.5#

84 61.7 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 55.978 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY013180.D

Acq: 03 Apr 2023 16:55

Instrument :

MSVOA_Y

ClientSampleId :

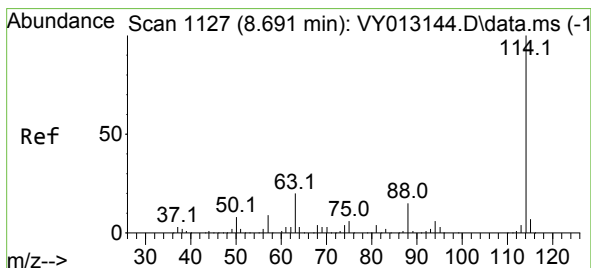
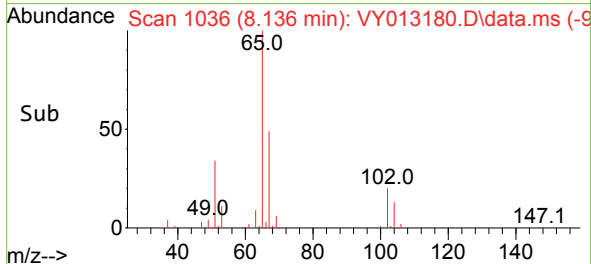
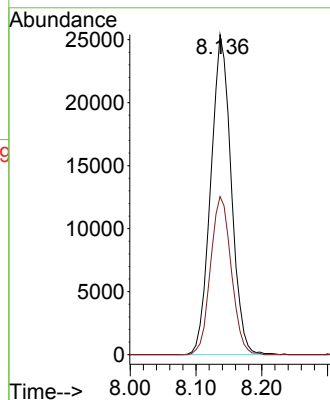
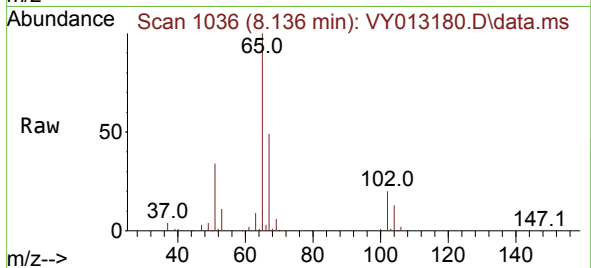
SB-5B

Tgt Ion: 65 Resp: 54871

Ion Ratio Lower Upper

65 100

67 50.1 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013180.D

Acq: 03 Apr 2023 16:55

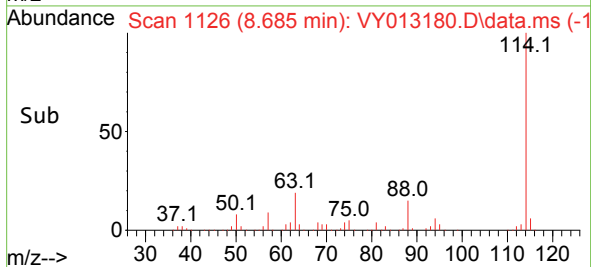
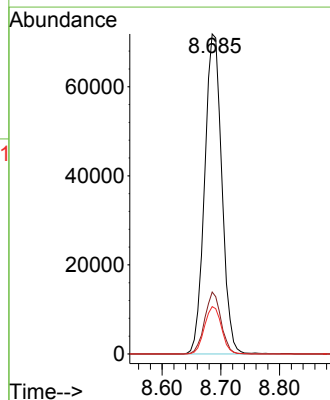
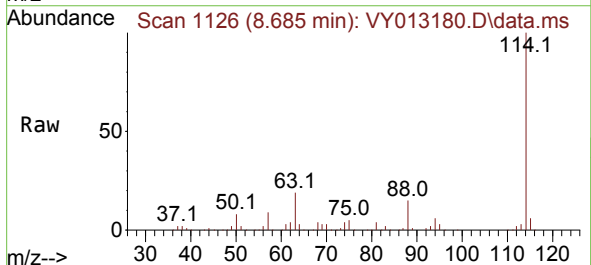
Tgt Ion: 114 Resp: 146056

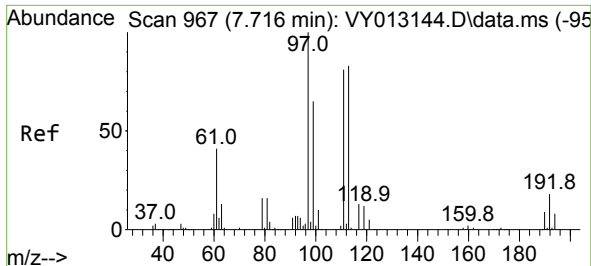
Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.4

88 14.8 0.0 28.6

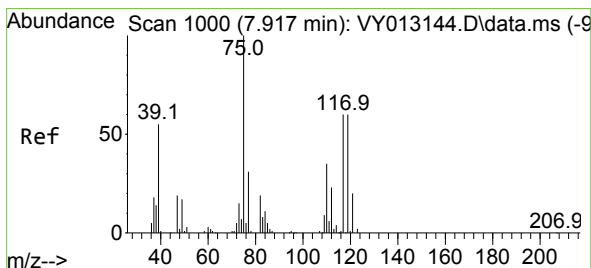
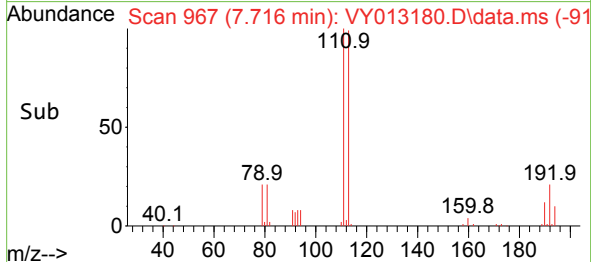
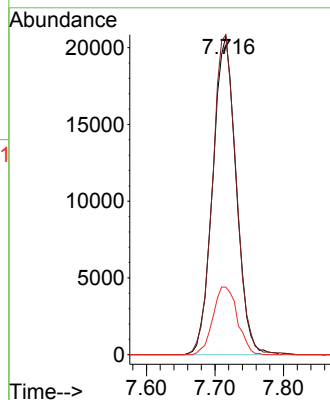
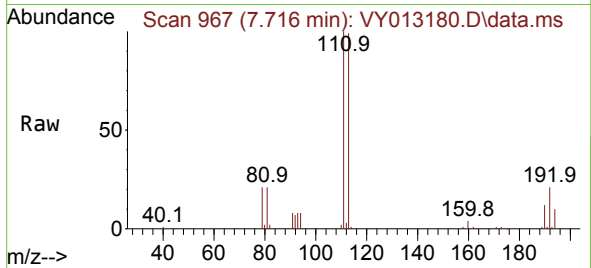




#35
Dibromofluoromethane
Concen: 51.485 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013180.D
Acq: 03 Apr 2023 16:55

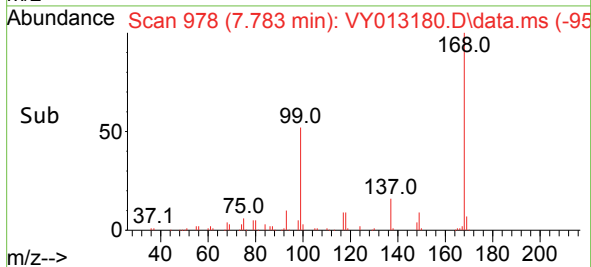
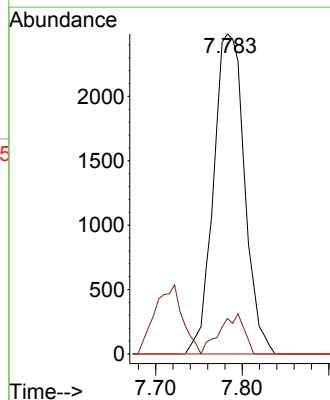
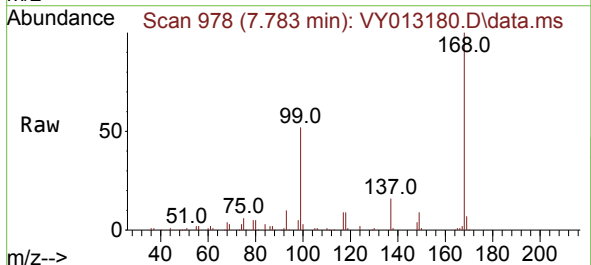
Instrument :
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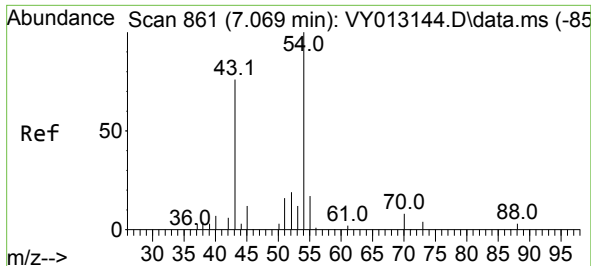
Tgt Ion:113 Resp: 49124
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.2
192 22.2 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.296 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013180.D
Acq: 03 Apr 2023 16:55

Tgt Ion: 75 Resp: 6171
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.101 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY013180.D

Acq: 03 Apr 2023 16:55

Instrument :

MSVOA_Y

ClientSampleId :

SB-5B

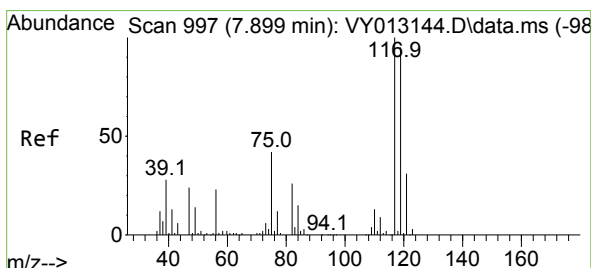
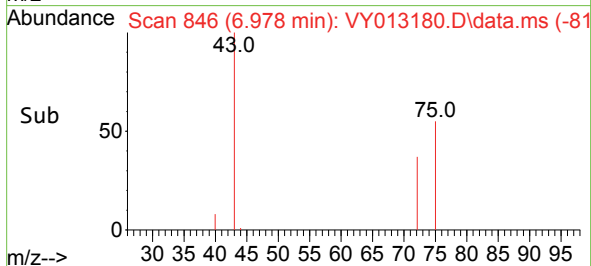
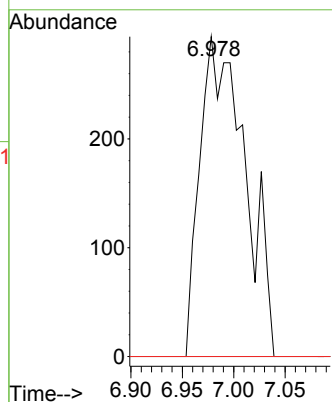
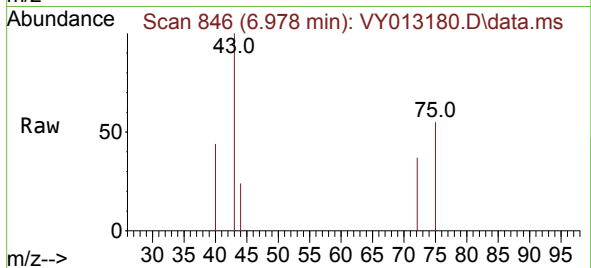
Tgt Ion: 43 Resp: 898

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.304 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013180.D

Acq: 03 Apr 2023 16:55

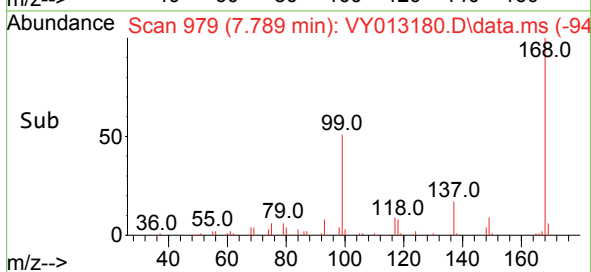
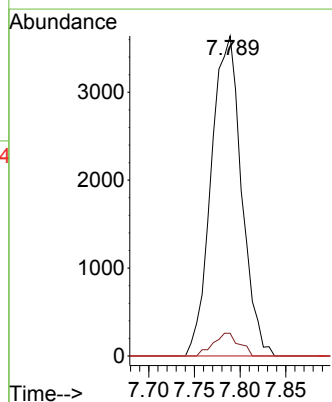
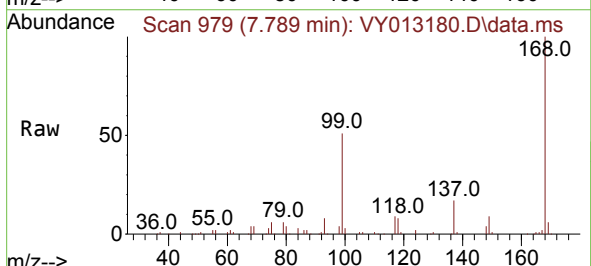
Tgt Ion: 117 Resp: 8406

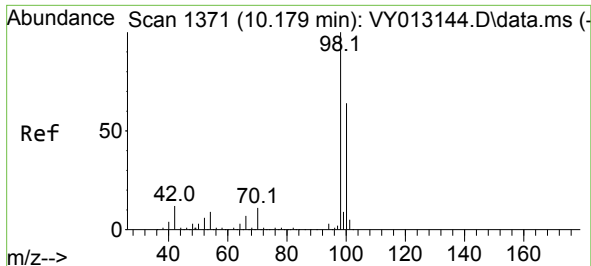
Ion Ratio Lower Upper

117 100

119 7.1 77.2 115.8#

121 0.0 24.7 37.1#

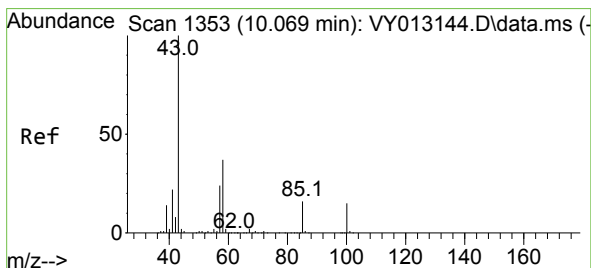
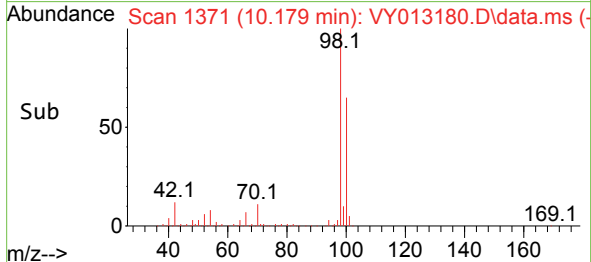
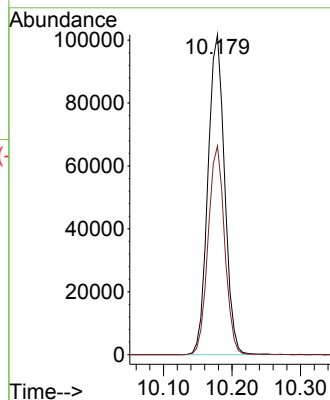
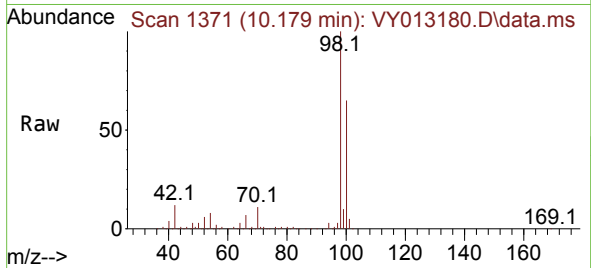




#50
Toluene-d8
Concen: 47.817 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013180.D
Acq: 03 Apr 2023 16:55

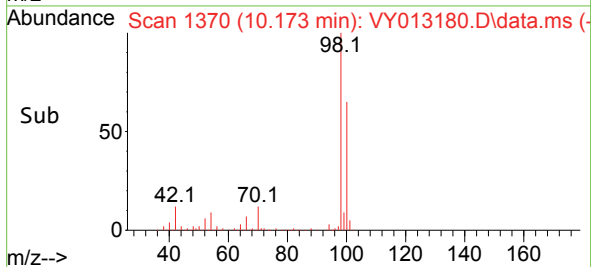
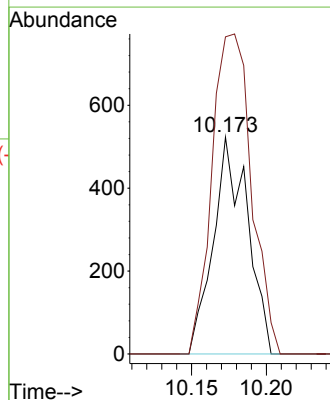
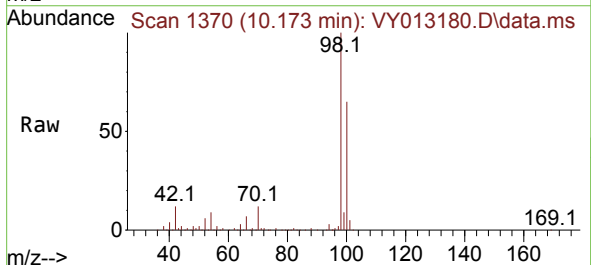
Instrument :
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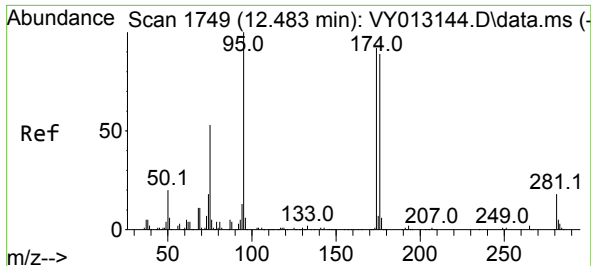
Tgt Ion: 98 Resp: 172236
Ion Ratio Lower Upper
98 100
100 64.7 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.056 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.104 min
Lab File: VY013180.D
Acq: 03 Apr 2023 16:55

Tgt Ion: 43 Resp: 832
Ion Ratio Lower Upper
43 100
58 171.0 29.8 44.6#

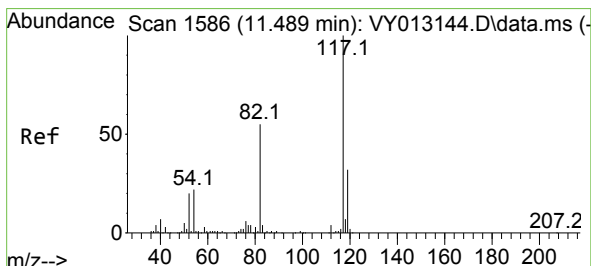
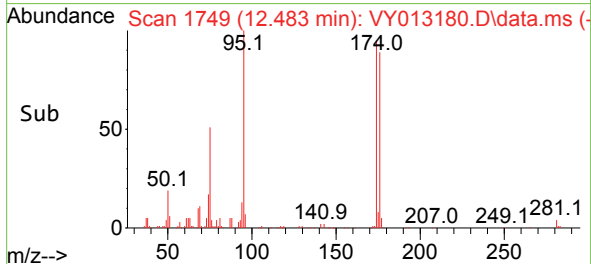
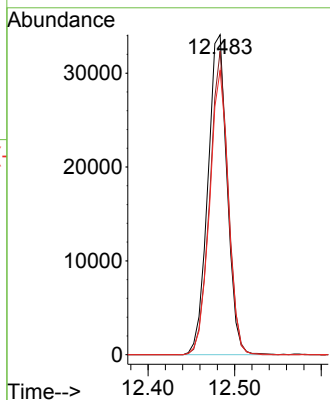
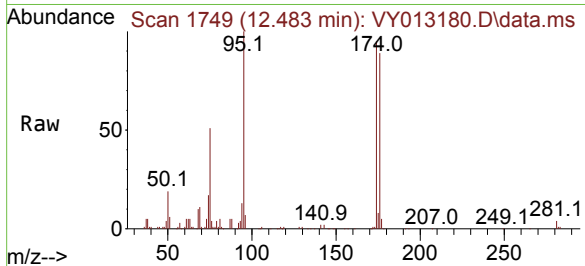




#62
4-Bromofluorobenzene
Concen: 44.893 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013180.D
Acq: 03 Apr 2023 16:55

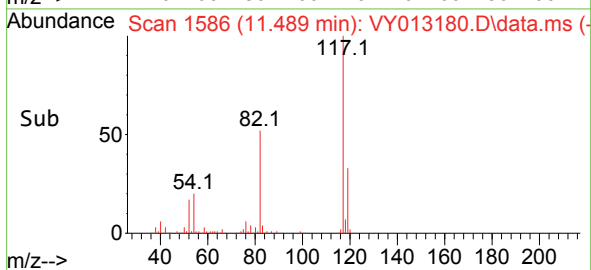
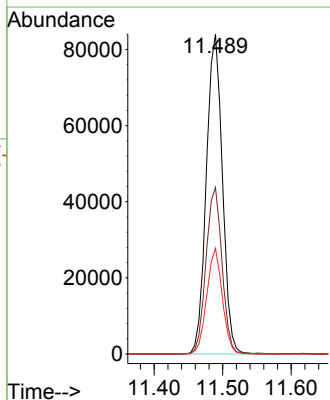
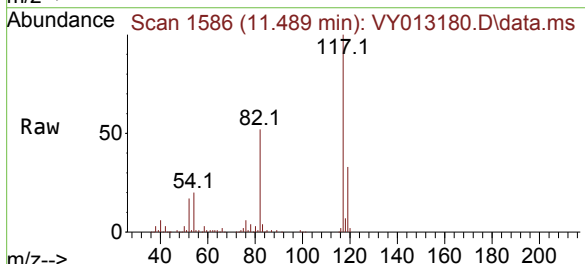
Instrument :
MSVOA_Y
ClientSampleId :
SB-5B

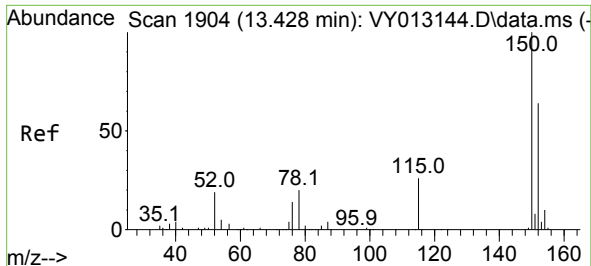
Tgt Ion: 95 Resp: 52635
Ion Ratio Lower Upper
95 100
174 90.4 0.0 176.6
176 86.7 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013180.D
Acq: 03 Apr 2023 16:55

Tgt Ion: 117 Resp: 137215
Ion Ratio Lower Upper
117 100
82 52.1 45.4 68.0
119 33.0 25.6 38.4

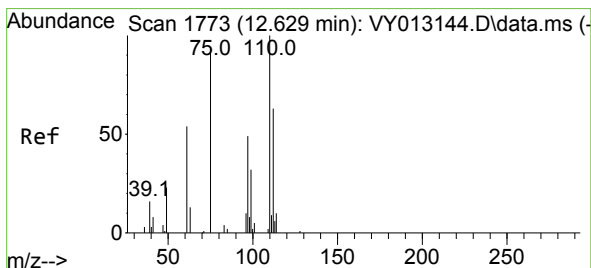
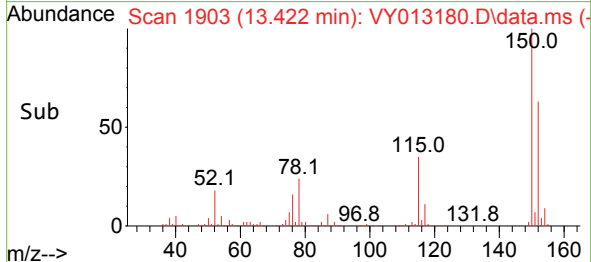
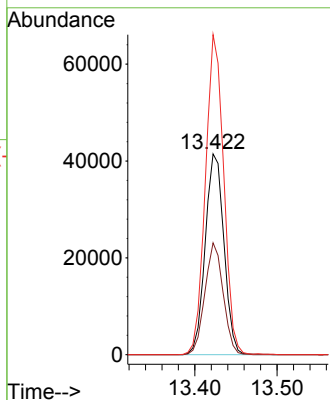
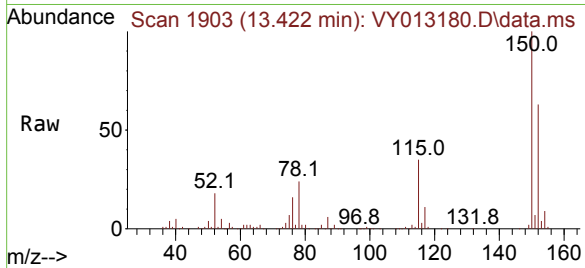




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY013180.D
Acq: 03 Apr 2023 16:55

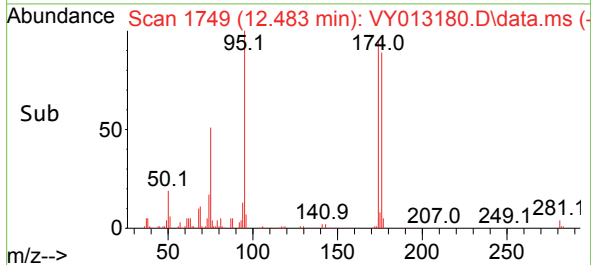
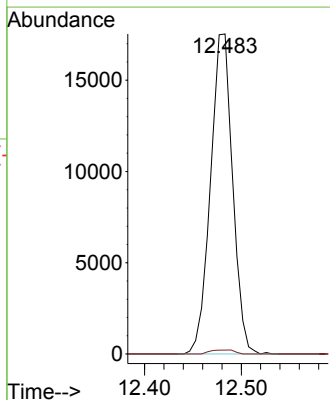
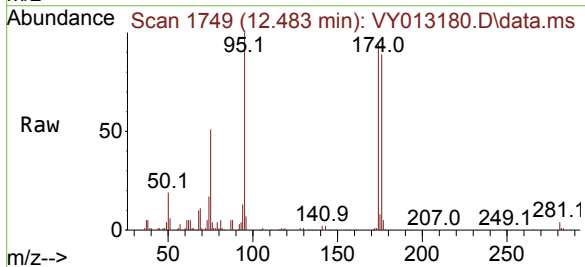
Instrument :
MSVOA_Y
ClientSampleId :
SB-5B

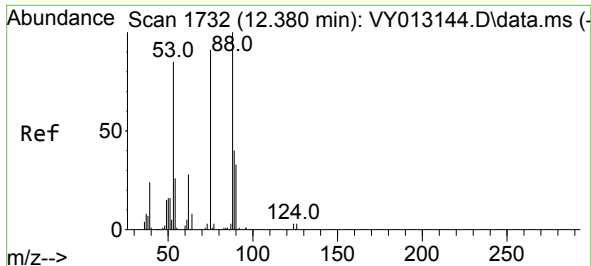
Tgt Ion:152 Resp: 65580
Ion Ratio Lower Upper
152 100
115 54.3 27.1 81.3
150 155.8 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 37.778 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013180.D
Acq: 03 Apr 2023 16:55

Tgt Ion: 75 Resp: 27832
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

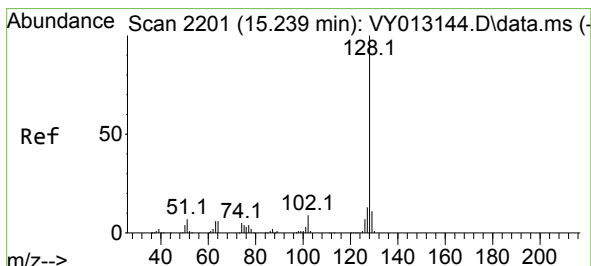
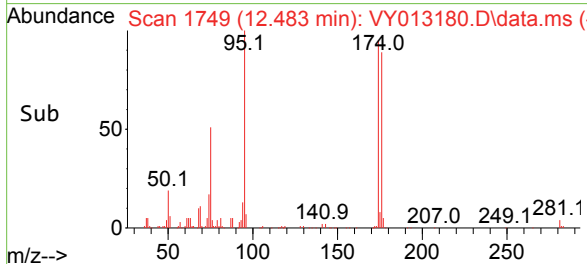
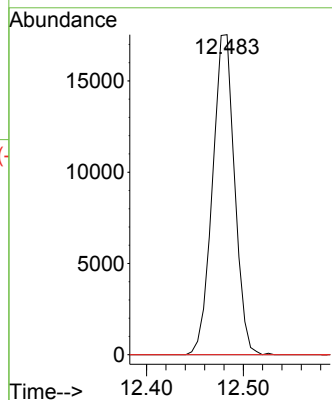
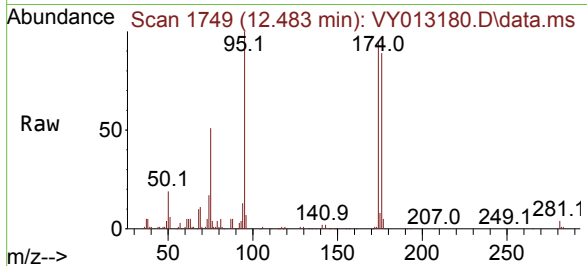




#81
trans-1,4-Dichloro-2-butene
Concen: 84.251 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY013180.D
Acq: 03 Apr 2023 16:55

Instrument :
MSVOA_Y
ClientSampleId :
SB-5B

Tgt Ion: 75 Resp: 27832
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#



#95
Naphthalene
Concen: 3.292 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY013180.D
Acq: 03 Apr 2023 16:55

Tgt Ion:128 Resp: 155
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

