

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102422\
 Data File : VY011079.D
 Acq On : 24 Oct 2022 19:00
 Operator : KP/MD
 Sample : N5256-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-F1-14.5-15.0

Quant Time: Oct 25 05:48:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

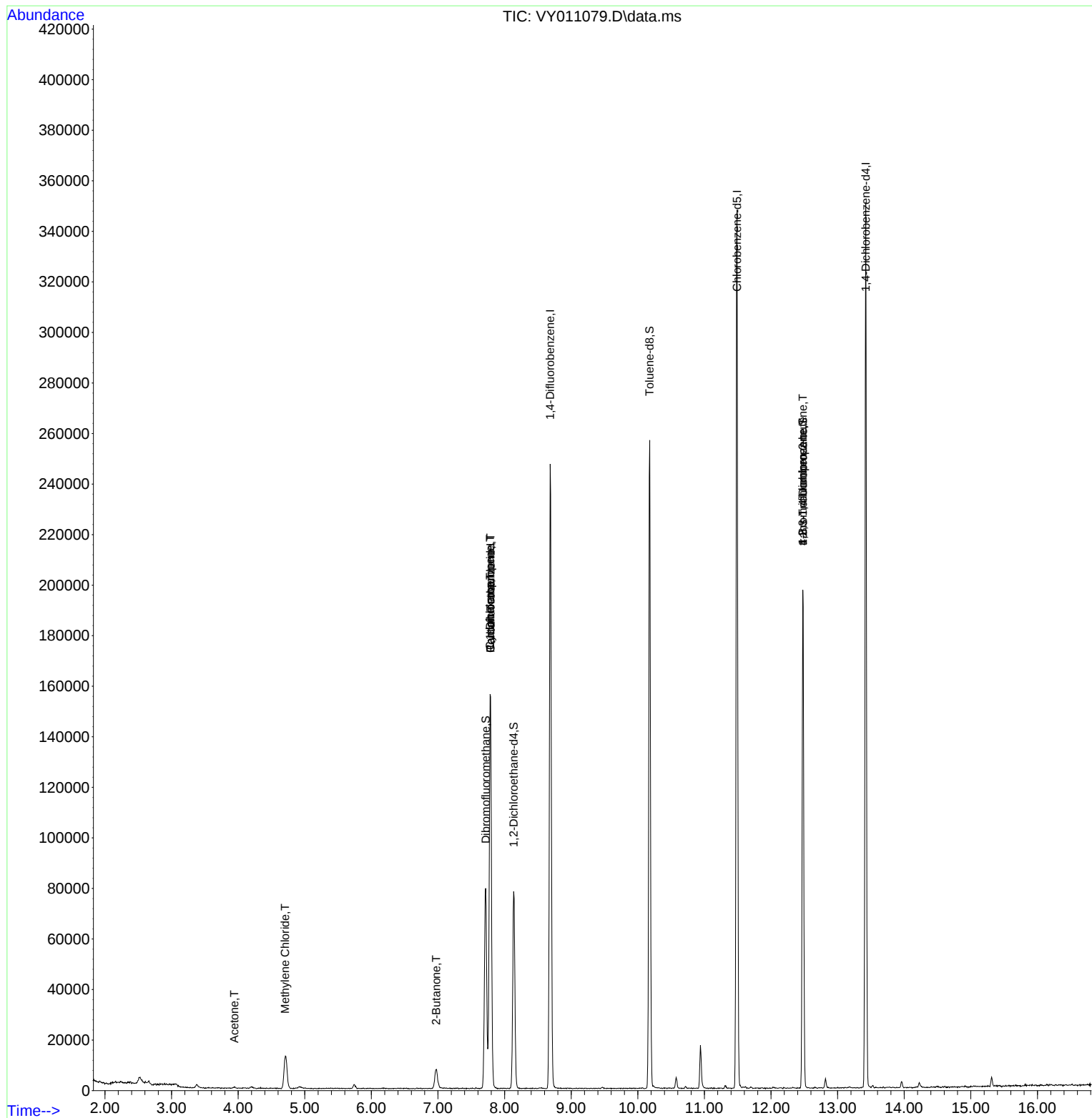
Internal Standards						
1) Pentafluorobenzene	7.789	168	124274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	214470	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	198759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	89049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	59533	52.005	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.020%			
35) Dibromofluoromethane	7.716	113	58479	48.867	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.740%			
50) Toluene-d8	10.179	98	173710	38.791	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 77.580%			
62) 4-Bromofluorobenzene	12.477	95	61318	37.912	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 75.820%			
Target Compounds						
11) Tert butyl alcohol	4.911	59	583	Below Cal	#	77
16) Acetone	3.942	43	1044	3.140	ug/l #	82
18) Methyl Acetate	4.192	43	167	Below Cal	#	56
20) Methylene Chloride	4.704	84	10665	1.195	ug/l #	75
25) 2-Butanone	6.972	43	580	1.150	ug/l #	54
31) Cyclohexane	7.783	56	2457	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	9445	4.731	ug/l #	50
38) Carbon Tetrachloride	7.789	117	12353	5.994	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	30193	29.865	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	30193	64.231	ug/l #	7

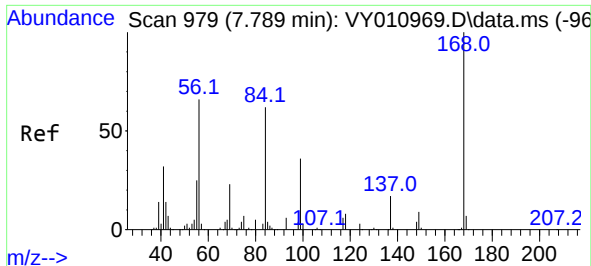
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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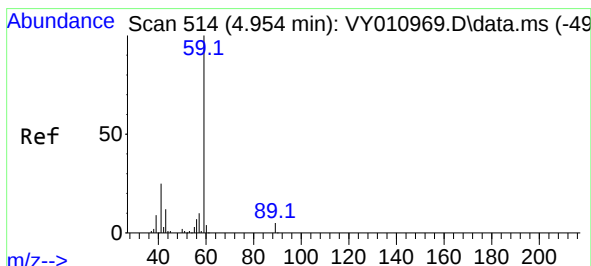
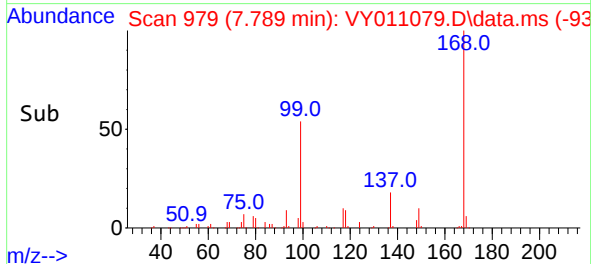
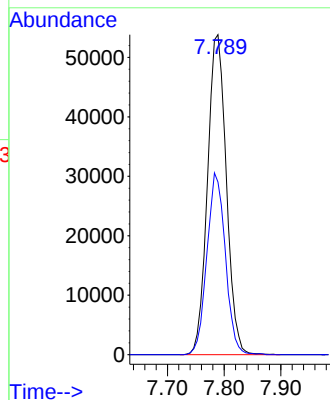
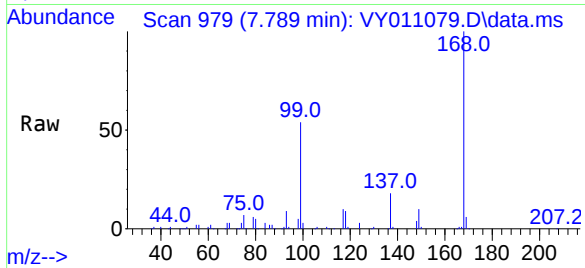




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011079.D
Acq: 24 Oct 2022 19:00

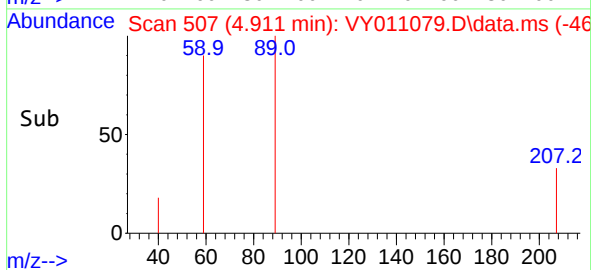
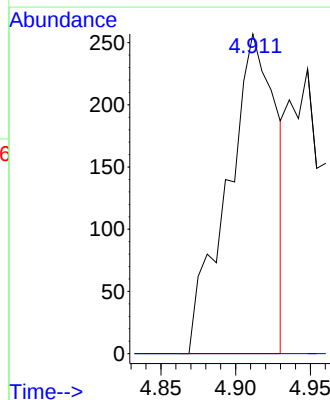
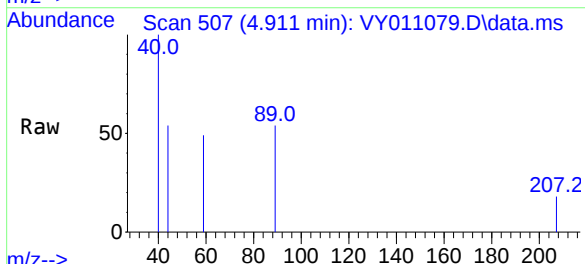
Instrument :
MSVOA_Y
ClientSampleId :
SB-F1-14.5-15.0

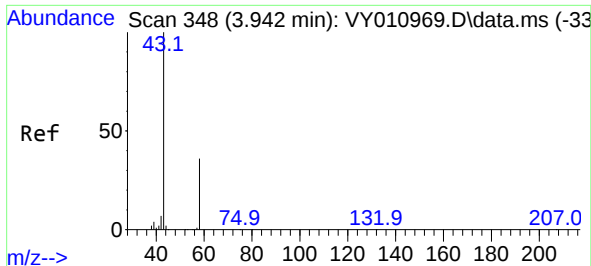
Tgt Ion:168 Resp: 124274
Ion Ratio Lower Upper
168 100
99 54.0 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.043 min
Lab File: VY011079.D
Acq: 24 Oct 2022 19:00

Tgt Ion: 59 Resp: 583
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

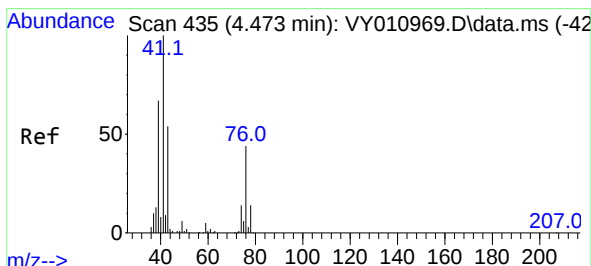
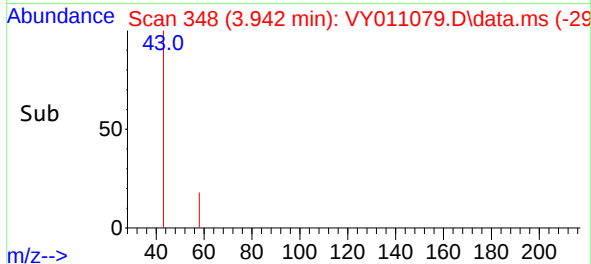
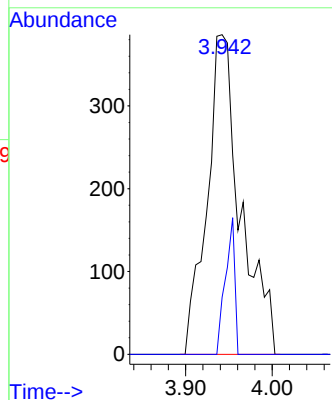
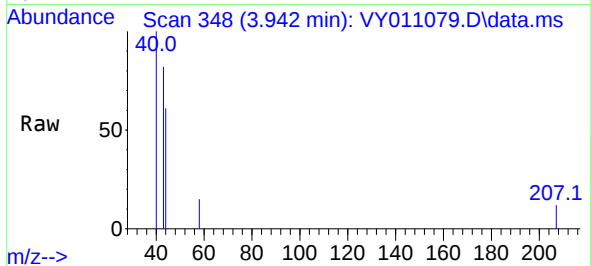




#16
Acetone
Concen: 3.140 ug/l
RT: 3.942 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY011079.D
Acq: 24 Oct 2022 19:00

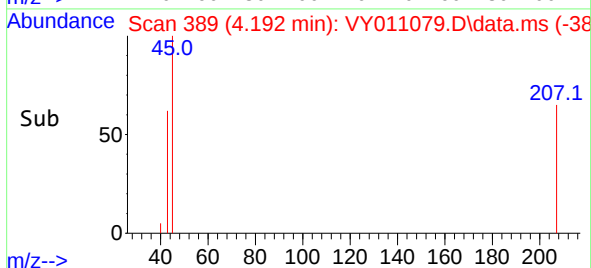
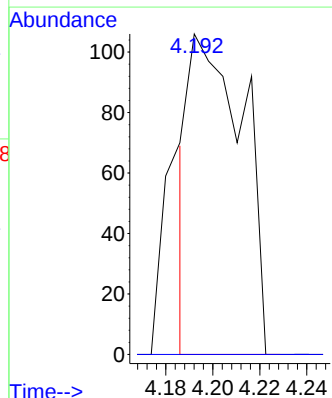
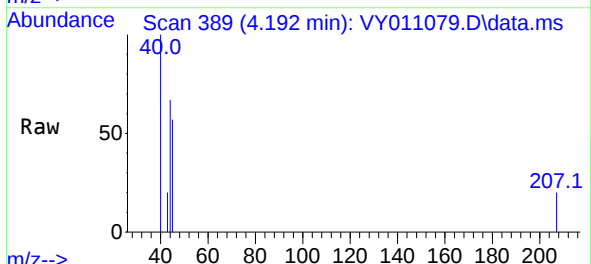
Instrument :
MSVOA_Y
ClientSampleId :
SB-F1-14.5-15.0

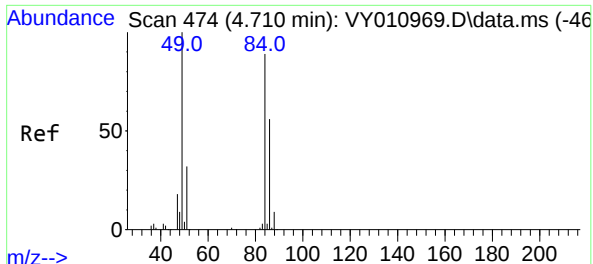
Tgt Ion: 43 Resp: 1044
Ion Ratio Lower Upper
43 100
58 17.9 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. -0.281 min
Lab File: VY011079.D
Acq: 24 Oct 2022 19:00

Tgt Ion: 43 Resp: 167
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

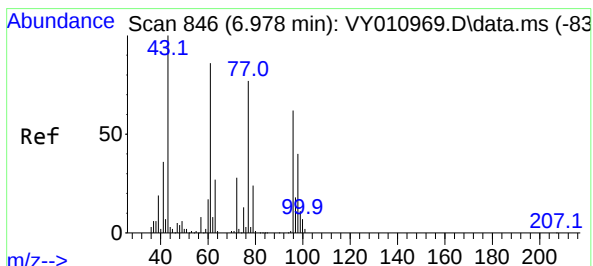
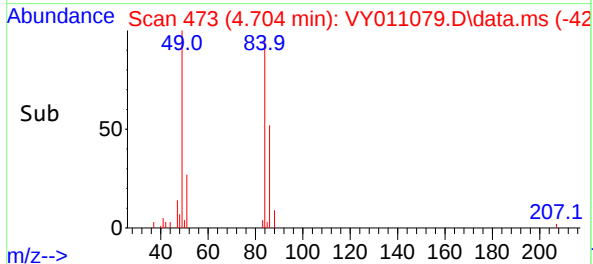
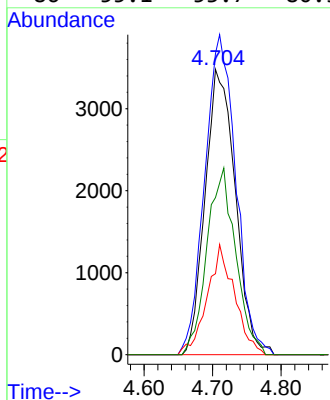
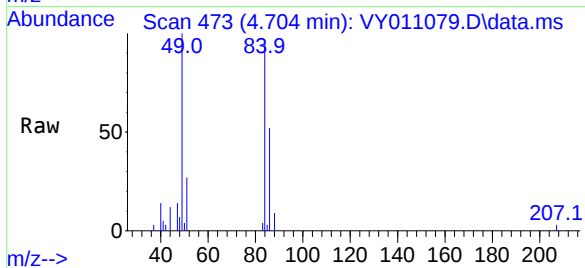




#20
Methylene Chloride
Concen: 1.195 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011079.D
Acq: 24 Oct 2022 19:00

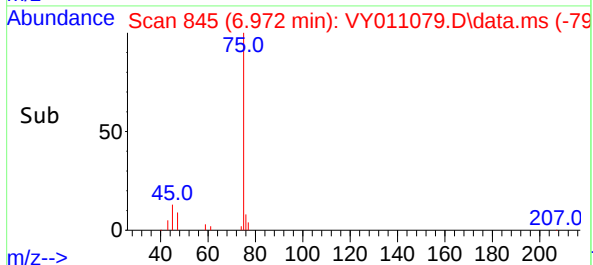
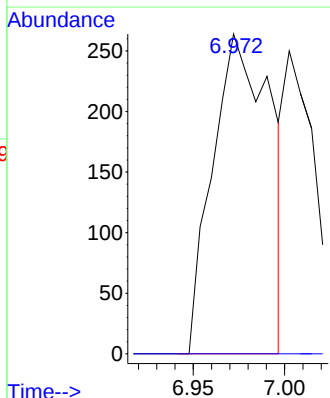
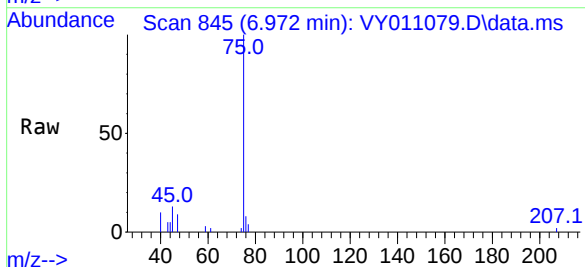
Instrument :
MSVOA_Y
ClientSampleId :
SB-F1-14.5-15.0

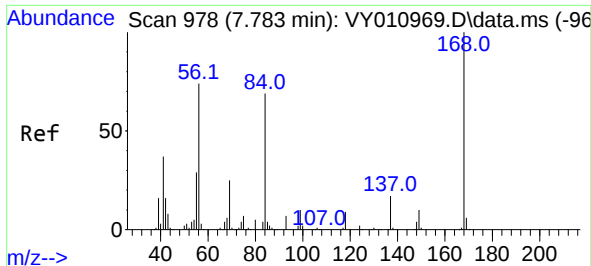
Tgt Ion: 84 Resp: 10665
Ion Ratio Lower Upper
84 100
49 105.6 114.4 171.6#
51 28.4 35.3 52.9#
86 55.1 53.7 80.5



#25
2-Butanone
Concen: 1.150 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY011079.D
Acq: 24 Oct 2022 19:00

Tgt Ion: 43 Resp: 580
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

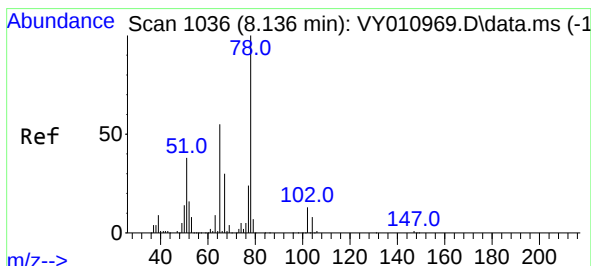
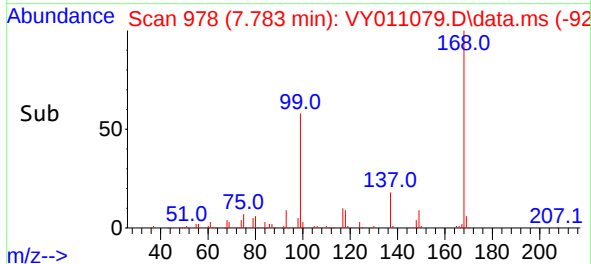
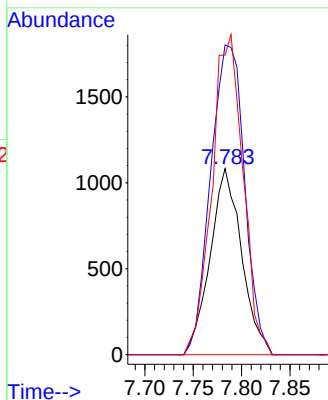
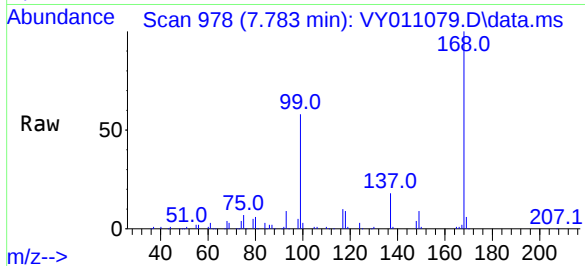




#31
Cyclohexane
Concen: 1.122 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011079.D
Acq: 24 Oct 2022 19:00

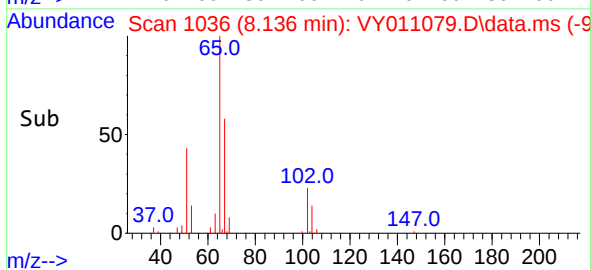
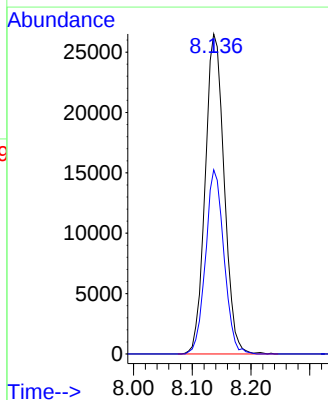
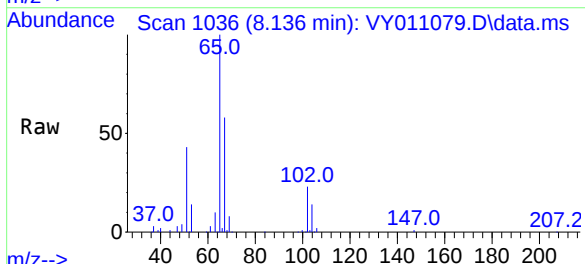
Instrument :
MSVOA_Y
ClientSampleId :
SB-F1-14.5-15.0

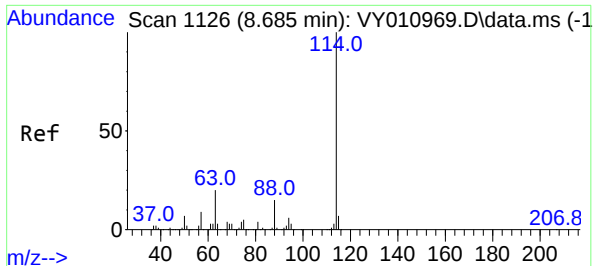
Tgt Ion: 56 Resp: 2457
Ion Ratio Lower Upper
56 100
69 166.4 26.7 40.1#
84 166.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.005 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011079.D
Acq: 24 Oct 2022 19:00

Tgt Ion: 65 Resp: 59533
Ion Ratio Lower Upper
65 100
67 55.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011079.D

Acq: 24 Oct 2022 19:00

Instrument :

MSVOA_Y

ClientSampleId :

SB-F1-14.5-15.0

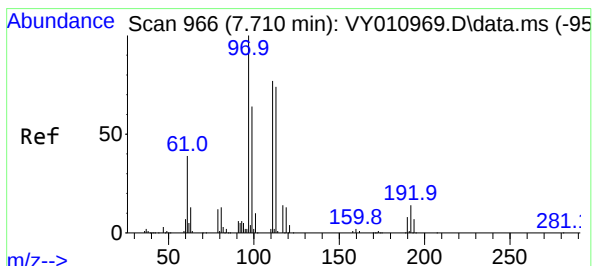
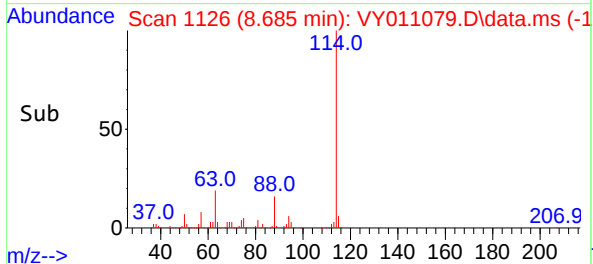
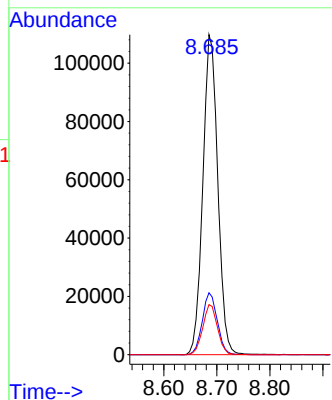
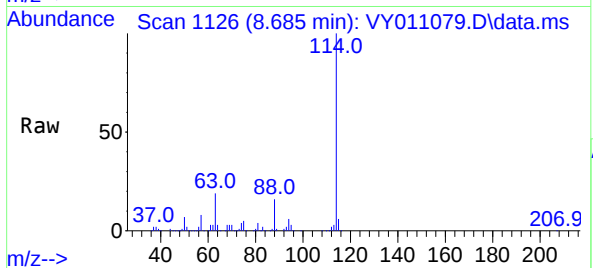
Tgt Ion:114 Resp: 214470

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.867 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011079.D

Acq: 24 Oct 2022 19:00

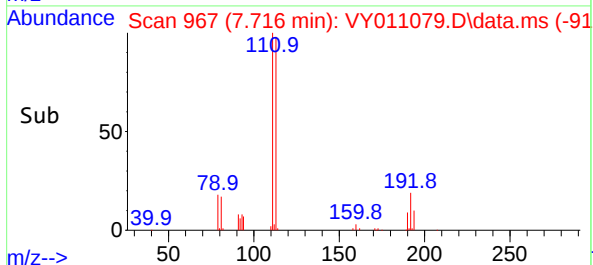
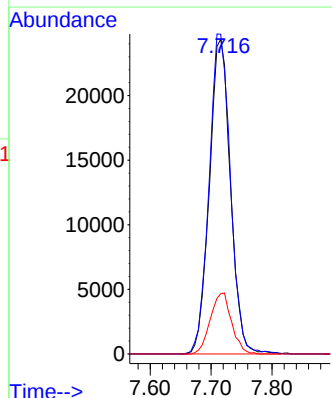
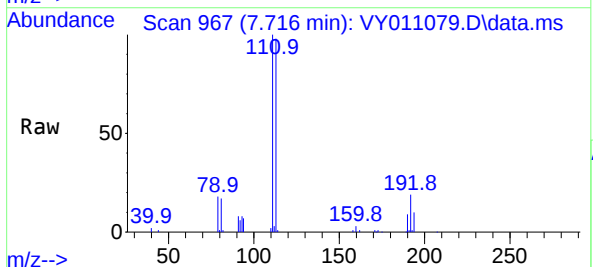
Tgt Ion:113 Resp: 58479

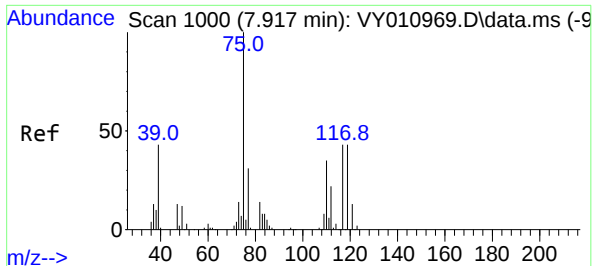
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 19.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.731 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011079.D

Acq: 24 Oct 2022 19:00

Instrument :

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ClientSampleId :

SB-F1-14.5-15.0

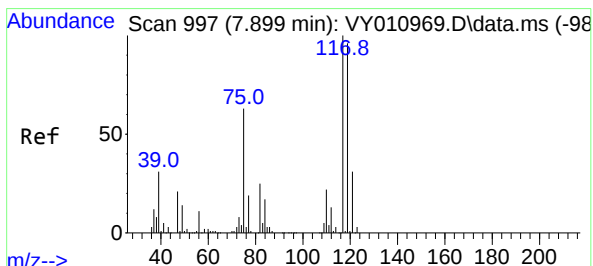
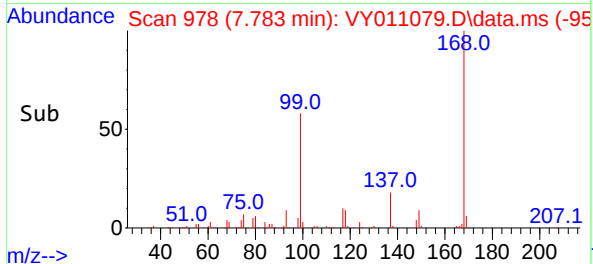
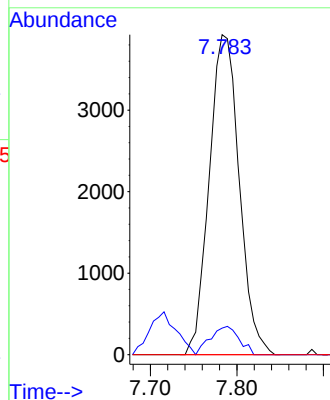
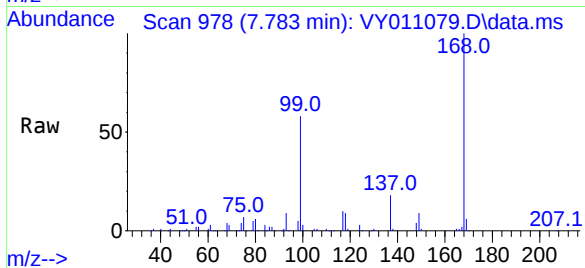
Tgt Ion: 75 Resp: 9445

Ion Ratio Lower Upper

75 100

110 8.5 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.994 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011079.D

Acq: 24 Oct 2022 19:00

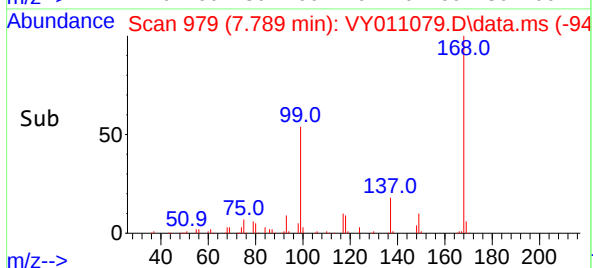
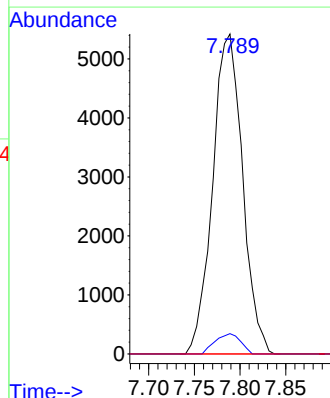
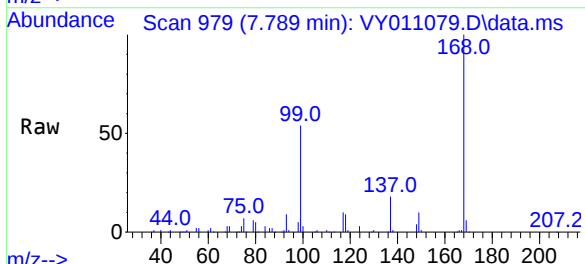
Tgt Ion: 117 Resp: 12353

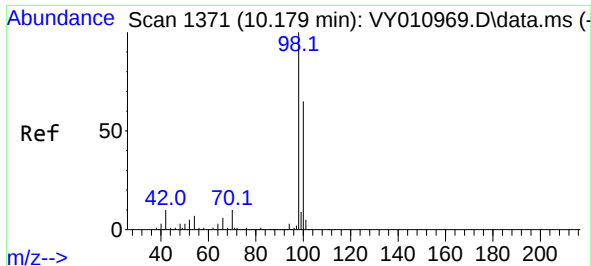
Ion Ratio Lower Upper

117 100

119 6.3 77.9 116.9#

121 0.0 24.8 37.2#

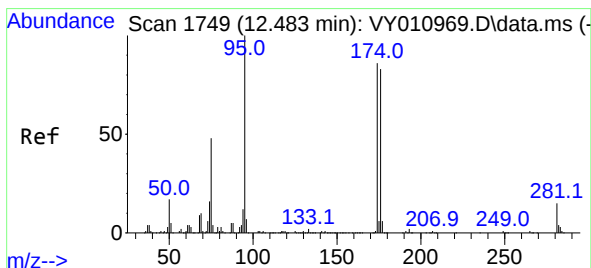
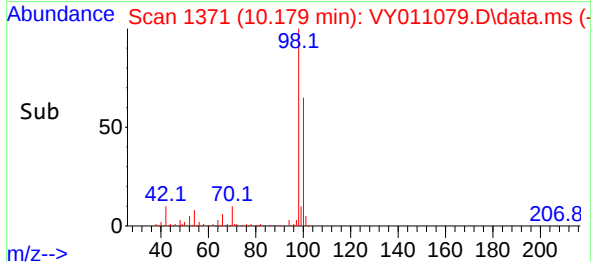
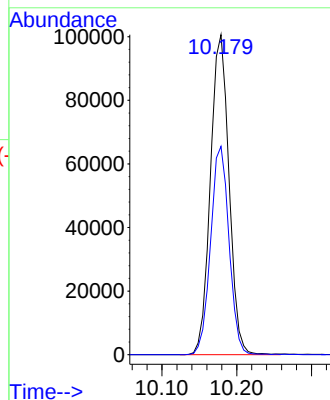
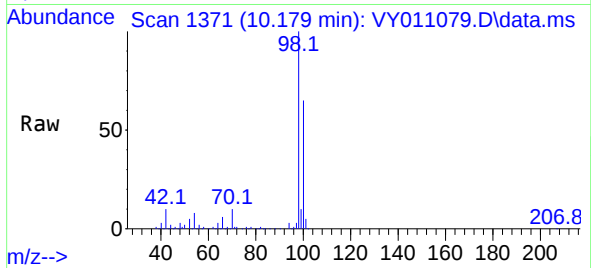




#50
Toluene-d8
Concen: 38.791 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011079.D
Acq: 24 Oct 2022 19:00

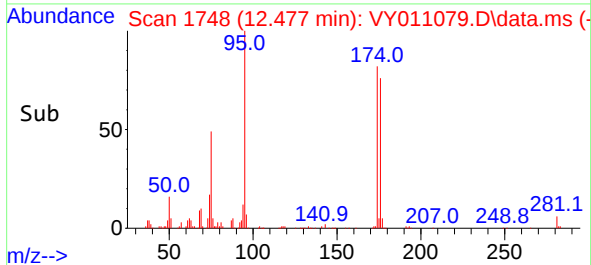
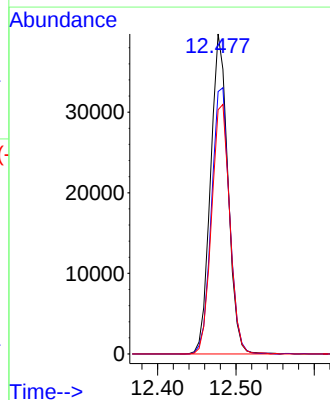
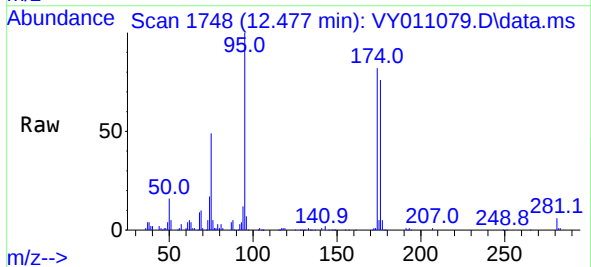
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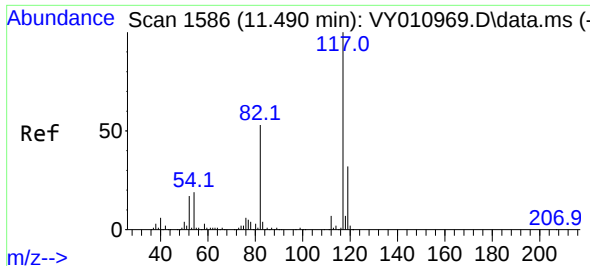
Tgt Ion: 98 Resp: 173710
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 37.912 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011079.D
Acq: 24 Oct 2022 19:00

Tgt Ion: 95 Resp: 61318
Ion Ratio Lower Upper
95 100
174 85.8 0.0 177.0
176 81.2 0.0 175.8

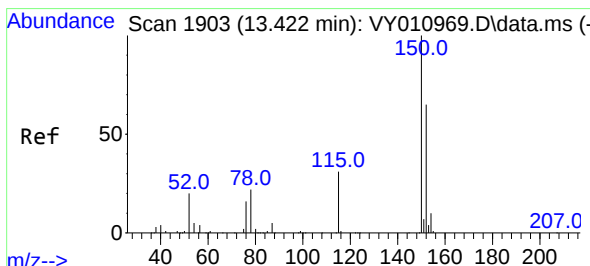
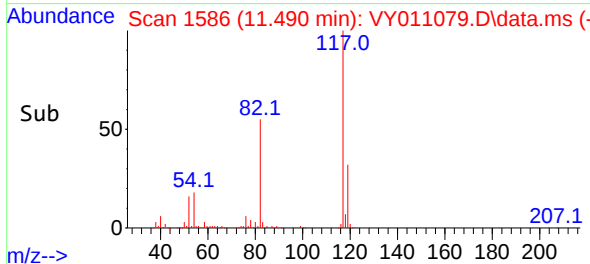
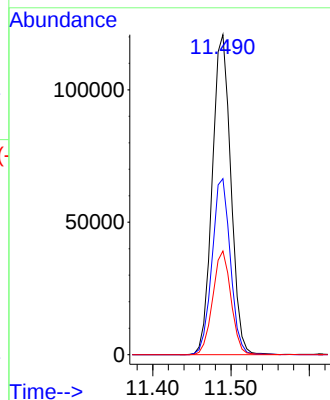
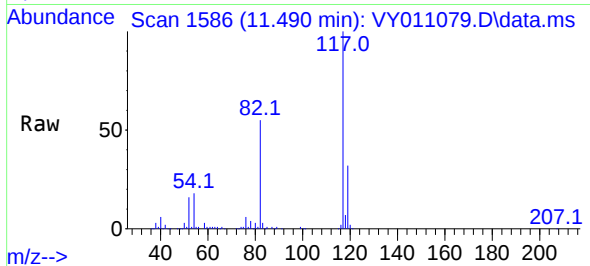




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011079.D
Acq: 24 Oct 2022 19:00

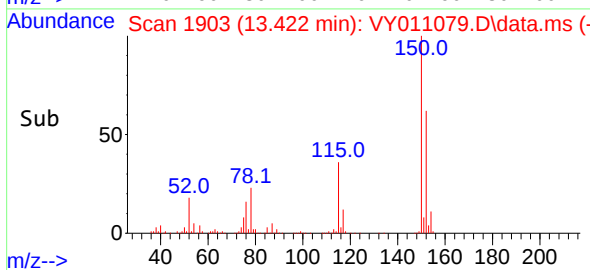
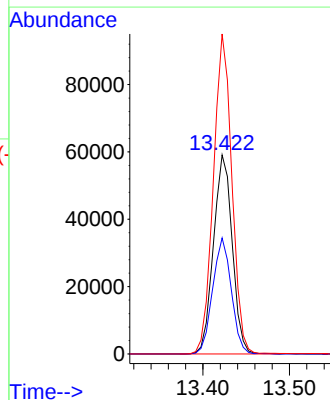
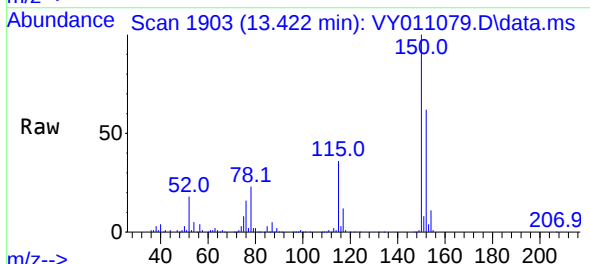
Instrument :
MSVOA_Y
ClientSampleId :
SB-F1-14.5-15.0

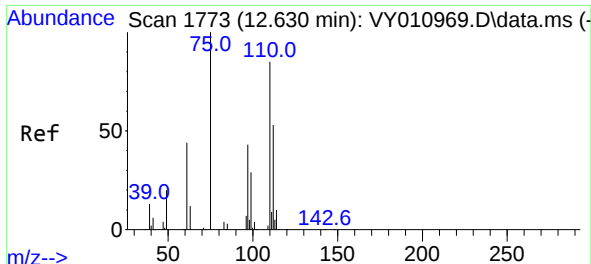
Tgt Ion:117 Resp: 198759
Ion Ratio Lower Upper
117 100
82 55.0 43.0 64.4
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011079.D
Acq: 24 Oct 2022 19:00

Tgt Ion:152 Resp: 89049
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 158.5 0.0 347.6

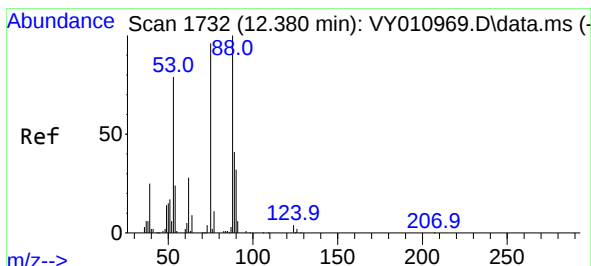
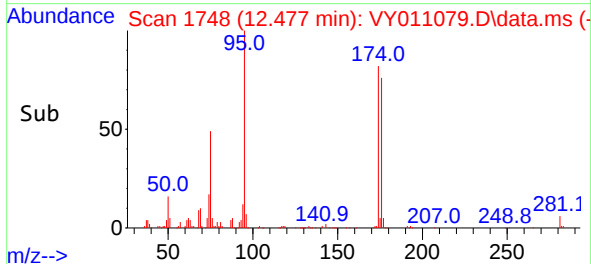
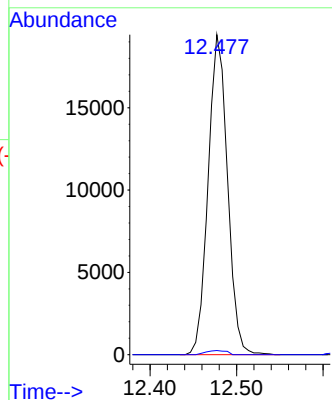
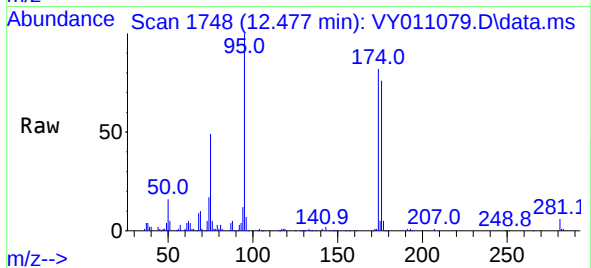




#76
1,2,3-Trichloropropane
Concen: 29.865 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011079.D
Acq: 24 Oct 2022 19:00

Instrument :
MSVOA_Y
ClientSampleId :
SB-F1-14.5-15.0

Tgt Ion: 75 Resp: 30193
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.231 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011079.D
Acq: 24 Oct 2022 19:00

Tgt Ion: 75 Resp: 30193
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

