

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014345.D
 Acq On : 21 Jun 2023 18:52
 Operator : KP/MD
 Sample : 03358-02
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1-(8-10)

Quant Time: Jun 22 01:58:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

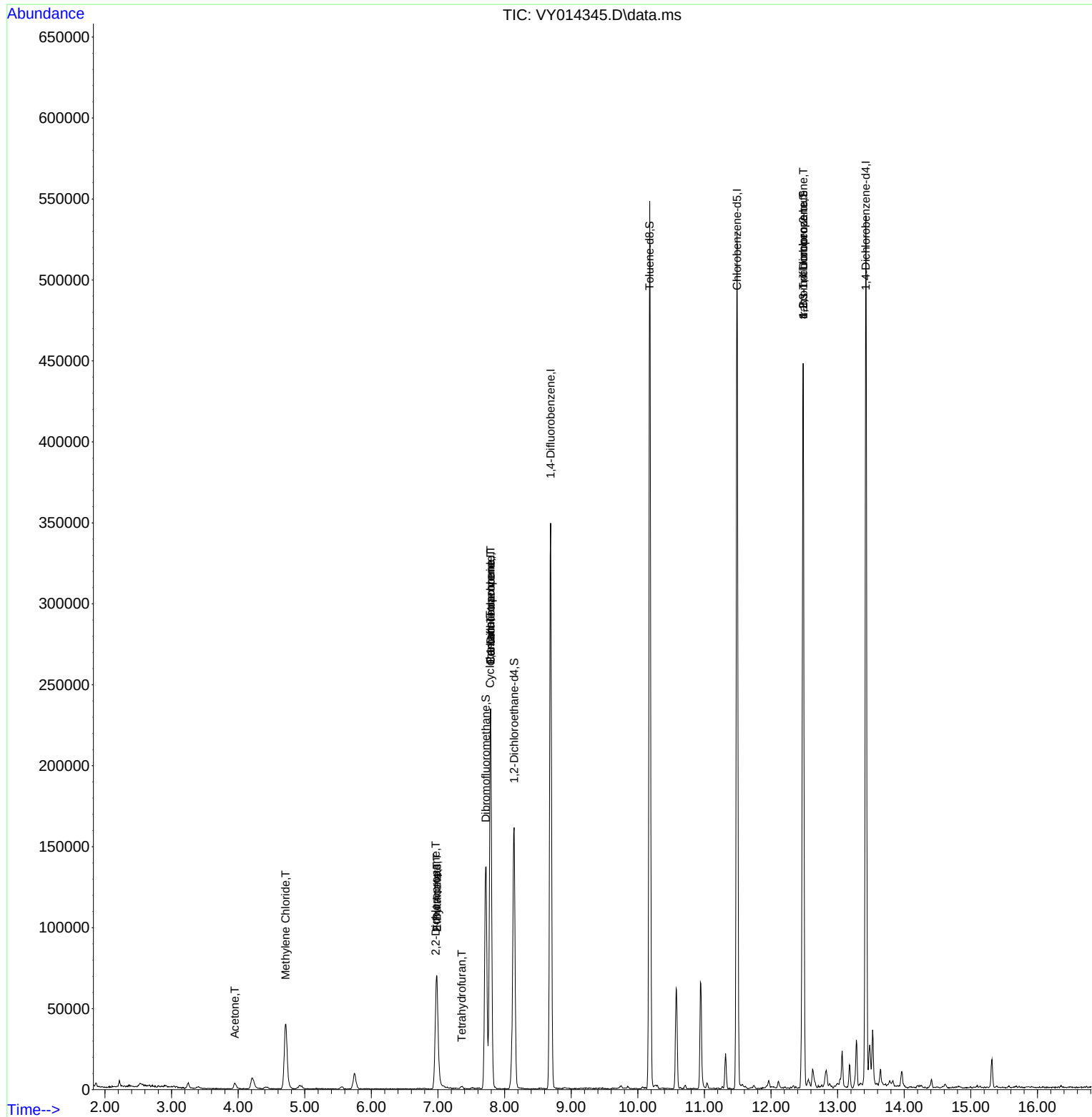
Internal Standards						
1) Pentafluorobenzene	7.789	168	183052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	290279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	279096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	130453	51.178	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.360%			
35) Dibromofluoromethane	7.716	113	95544	46.412	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.820%			
50) Toluene-d8	10.179	98	350453	45.536	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.080%			
62) 4-Bromofluorobenzene	12.483	95	117394	42.940	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.880%			
Target Compounds						
11) Tert butyl alcohol	4.954	59	1461	Below Cal	#	89
16) Acetone	3.948	43	6251	8.136	ug/l	100
20) Methylene Chloride	4.710	84	30002	9.313	ug/l	93
25) 2-Butanone	6.984	43	16022	16.940	ug/l	95
26) 2,2-Dichloropropane	6.966	77	4963	1.263	ug/l #	54
29) Tetrahydrofuran	7.356	42	1077	1.796	ug/l #	70
31) Cyclohexane	7.783	56	3963	1.161	ug/l #	16
36) 1,1-Dichloropropene	7.789	75	13985	4.358	ug/l #	50
37) Ethyl Acetate	6.984	43	16022	7.235	ug/l #	75
38) Carbon Tetrachloride	7.789	117	18209	4.917	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	65739	36.390	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	65739	78.662	ug/l #	11

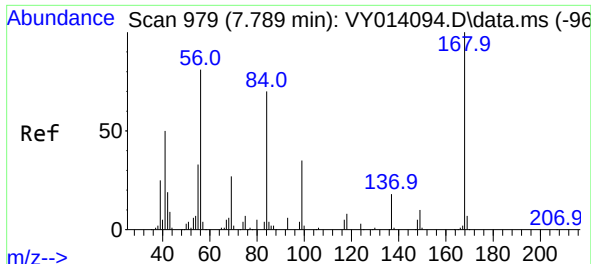
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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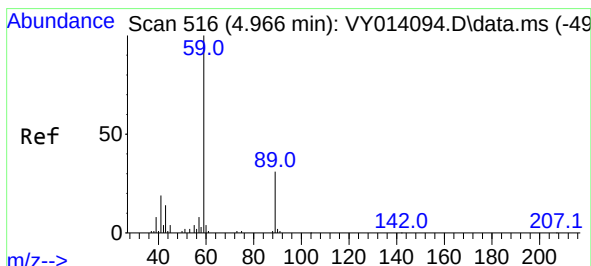
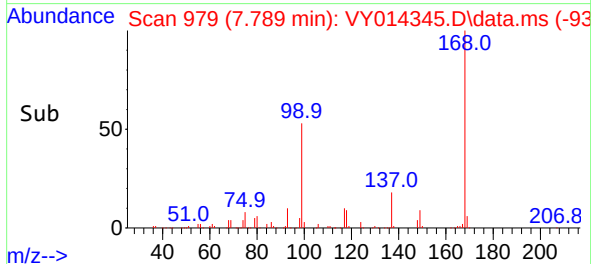
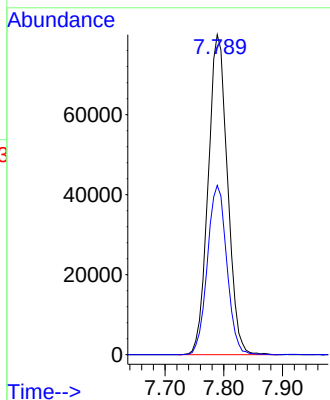
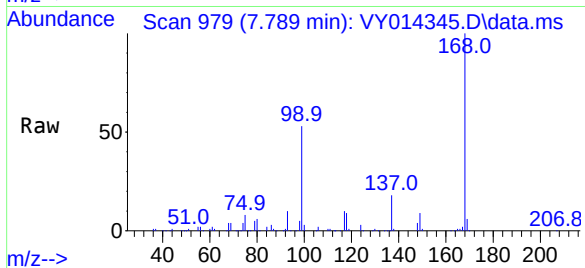




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014345.D
Acq: 21 Jun 2023 18:52

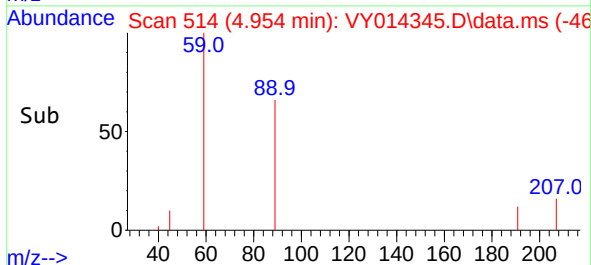
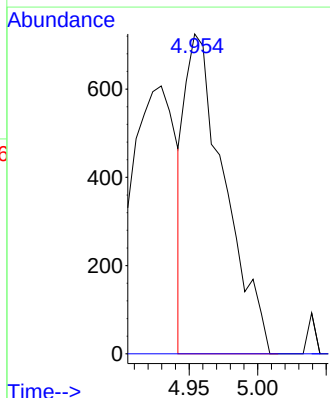
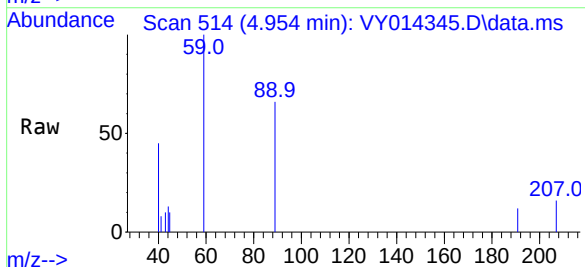
Instrument :
MSVOA_Y
ClientSampleId :
SB-1-(8-10)

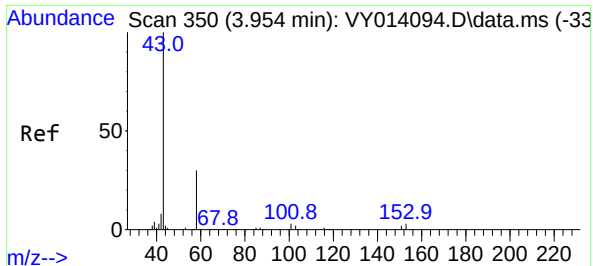
Tgt Ion:168 Resp: 183052
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014345.D
Acq: 21 Jun 2023 18:52

Tgt Ion: 59 Resp: 1461
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

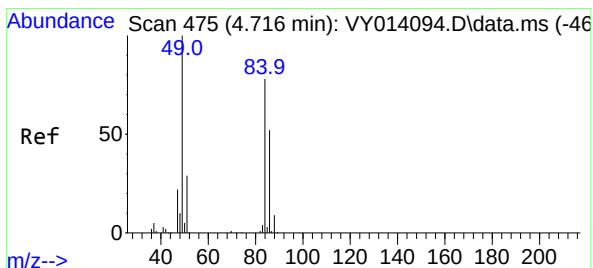
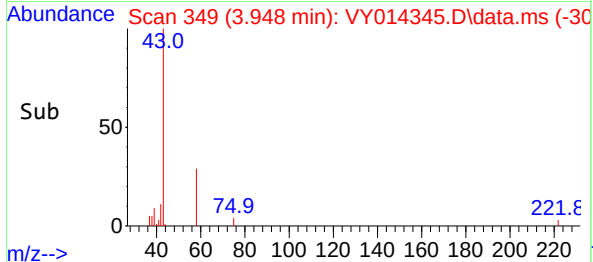
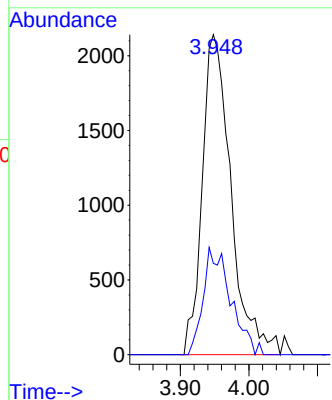
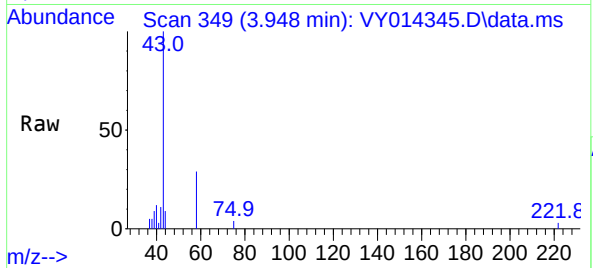




#16
Acetone
Concen: 8.136 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY014345.D
Acq: 21 Jun 2023 18:52

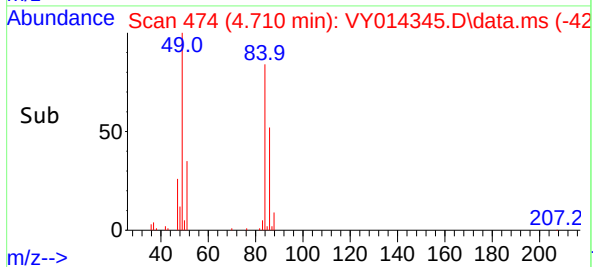
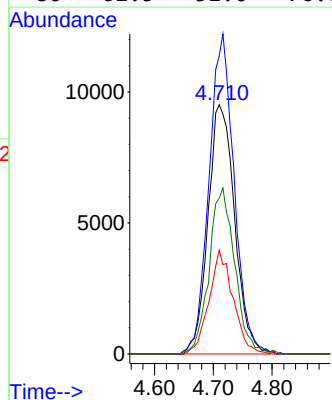
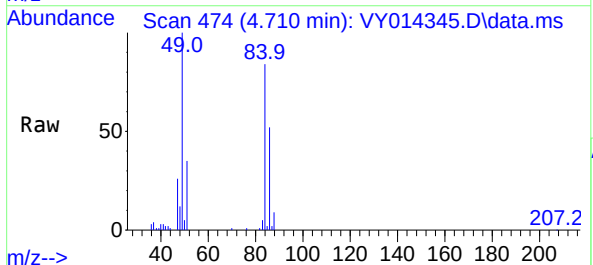
Instrument :
MSVOA_Y
ClientSampleId :
SB-1-(8-10)

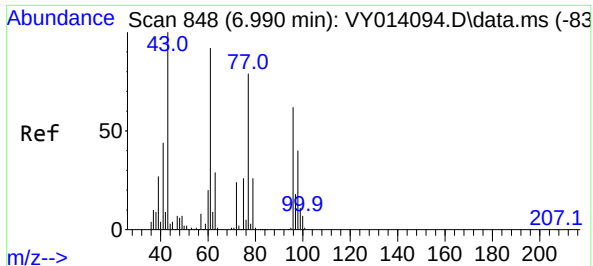
Tgt Ion: 43 Resp: 6251
Ion Ratio Lower Upper
43 100
58 28.5 22.7 34.1



#20
Methylene Chloride
Concen: 9.313 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014345.D
Acq: 21 Jun 2023 18:52

Tgt Ion: 84 Resp: 30002
Ion Ratio Lower Upper
84 100
49 119.6 106.9 160.3
51 41.6 33.2 49.8
86 62.5 51.0 76.6





#25

2-Butanone

Concen: 16.940 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY014345.D

Acq: 21 Jun 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

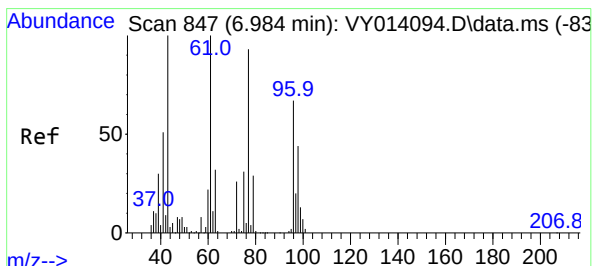
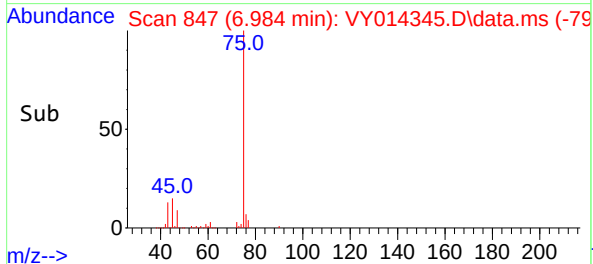
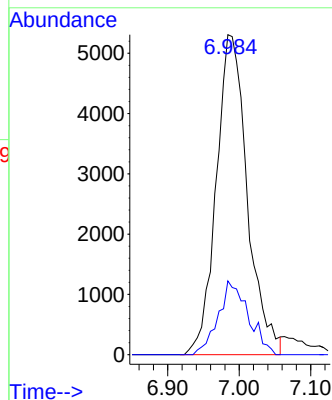
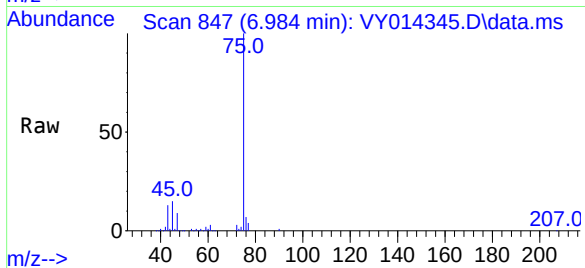
SB-1-(8-10)

Tgt Ion: 43 Resp: 16022

Ion Ratio Lower Upper

43 100

72 23.1 20.5 30.7



#26

2,2-Dichloropropane

Concen: 1.263 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.018 min

Lab File: VY014345.D

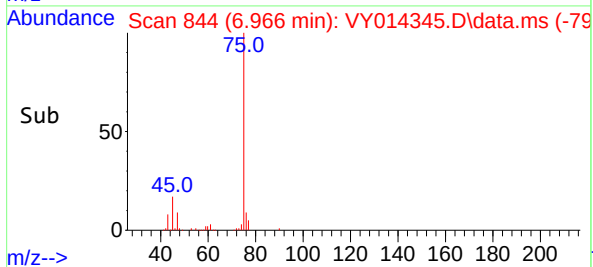
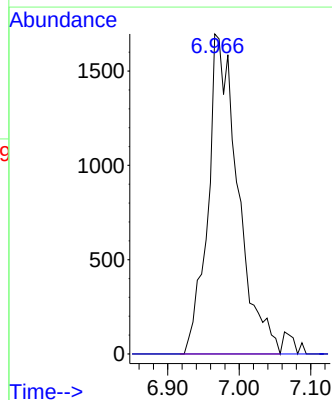
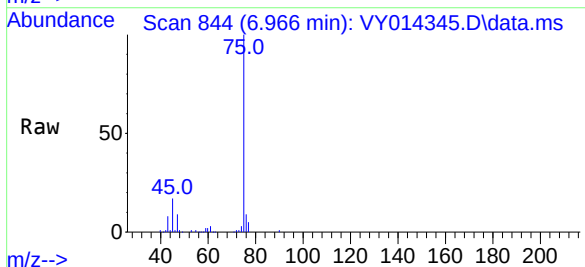
Acq: 21 Jun 2023 18:52

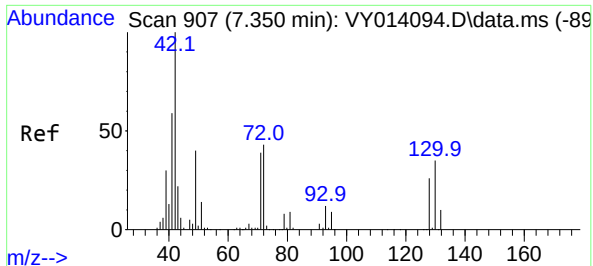
Tgt Ion: 77 Resp: 4963

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.796 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014345.D

Acq: 21 Jun 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

SB-1-(8-10)

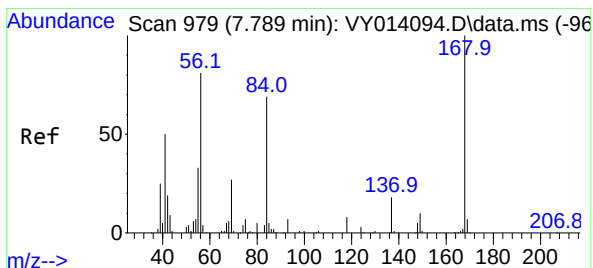
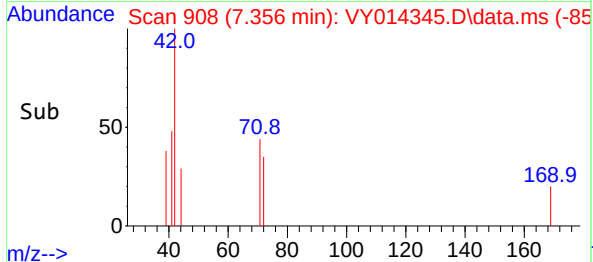
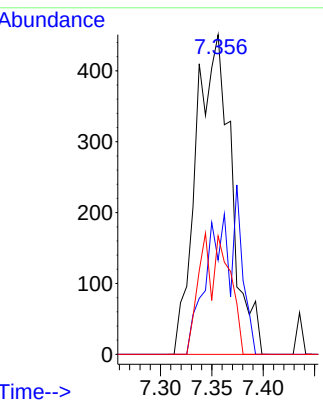
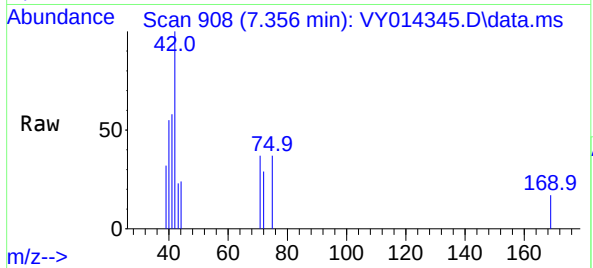
Tgt Ion: 42 Resp: 1077

Ion Ratio Lower Upper

42 100

72 27.9 32.8 49.2#

71 14.2 31.0 46.4#



#31

Cyclohexane

Concen: 1.161 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY014345.D

Acq: 21 Jun 2023 18:52

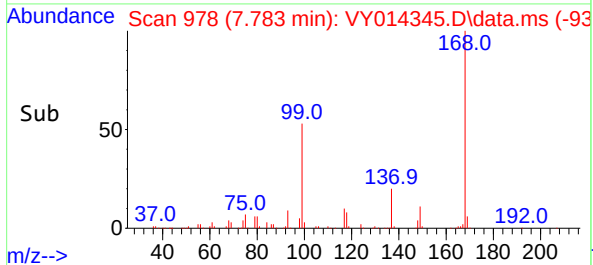
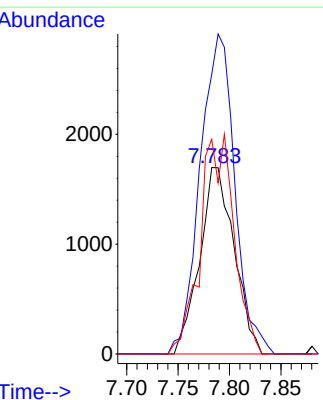
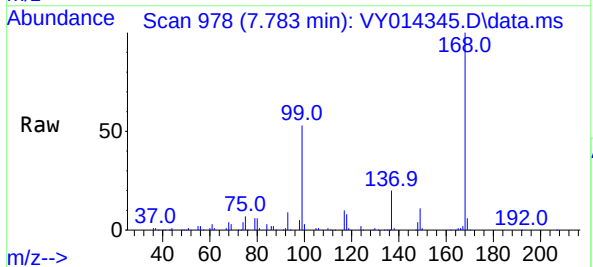
Tgt Ion: 56 Resp: 3963

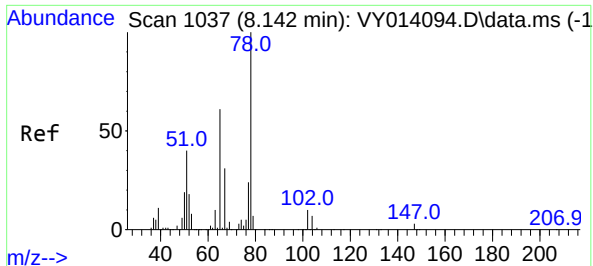
Ion Ratio Lower Upper

56 100

69 150.0 27.8 41.6#

84 115.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 51.178 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY014345.D

Acq: 21 Jun 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

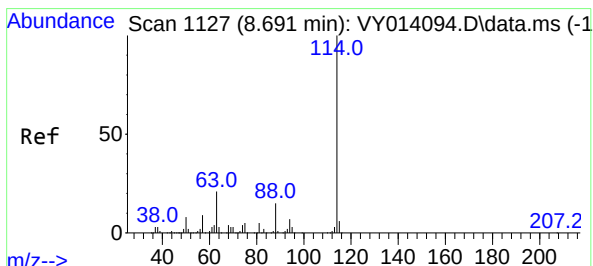
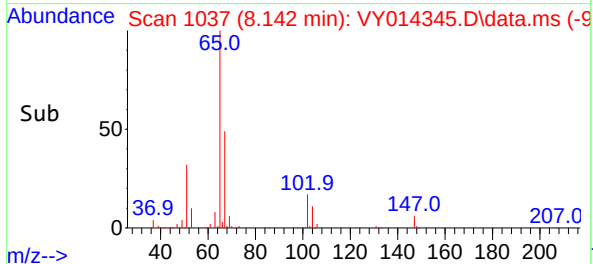
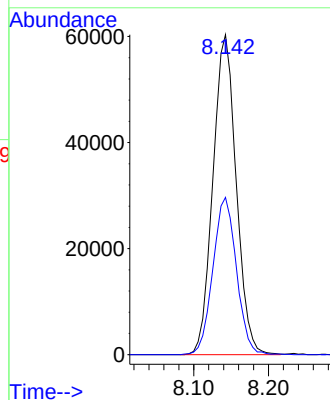
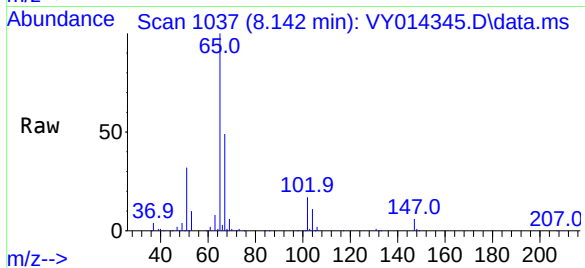
SB-1-(8-10)

Tgt Ion: 65 Resp: 130453

Ion Ratio Lower Upper

65 100

67 49.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014345.D

Acq: 21 Jun 2023 18:52

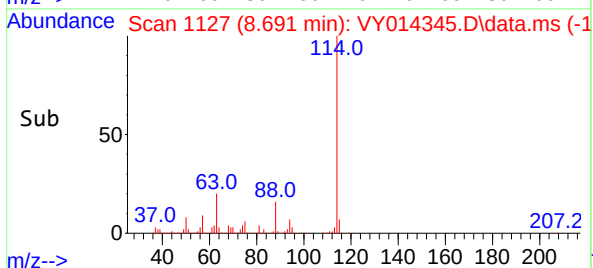
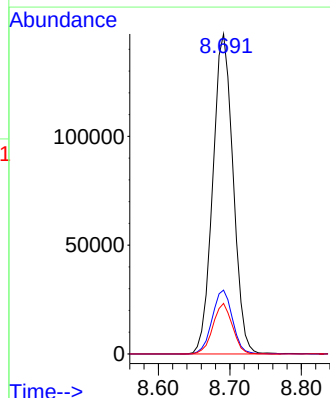
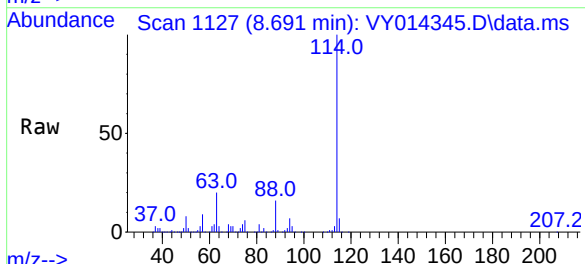
Tgt Ion: 114 Resp: 290279

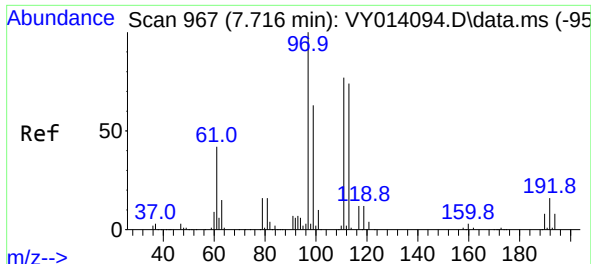
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 15.8 0.0 30.6

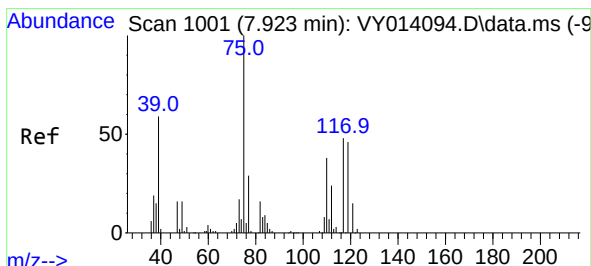
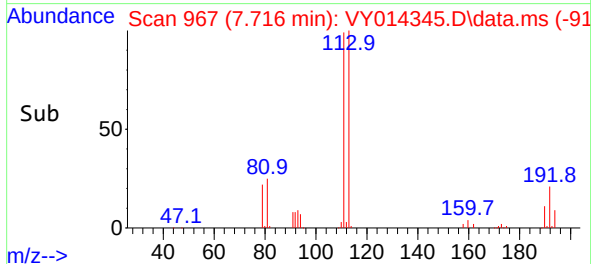
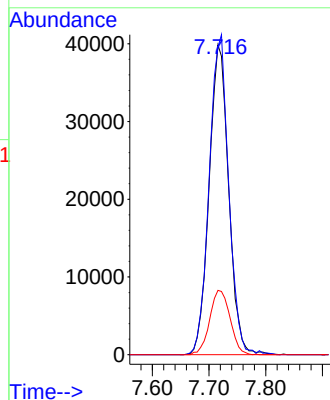
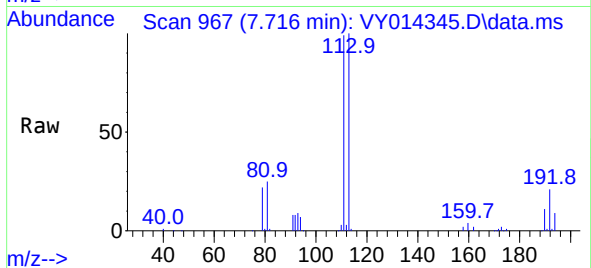




#35
Dibromofluoromethane
Concen: 46.412 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014345.D
Acq: 21 Jun 2023 18:52

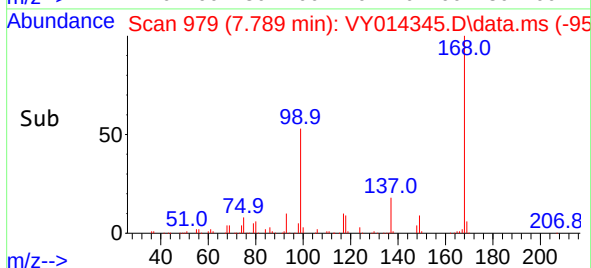
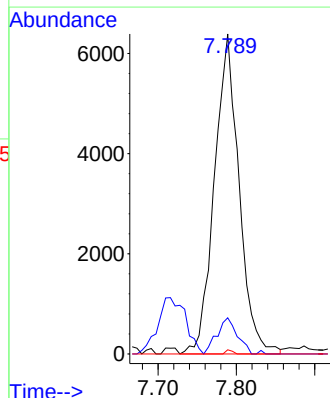
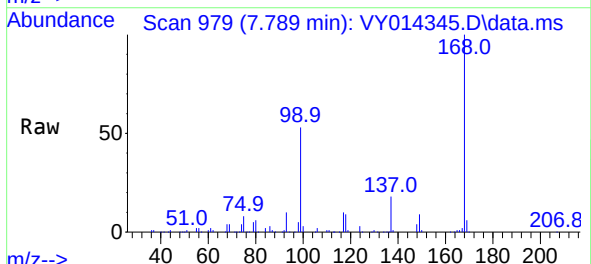
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SB-1-(8-10)

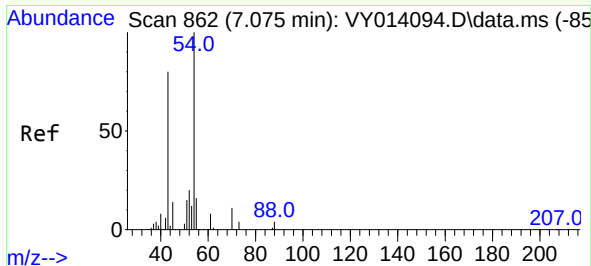
Tgt Ion:113 Resp: 95544
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 21.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.358 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014345.D
Acq: 21 Jun 2023 18:52

Tgt Ion: 75 Resp: 13985
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.4 24.4 36.6#

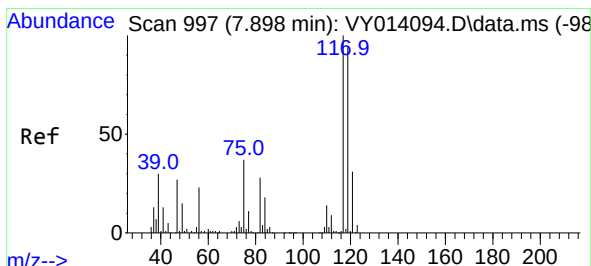
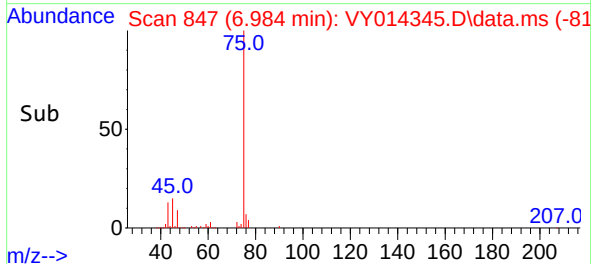
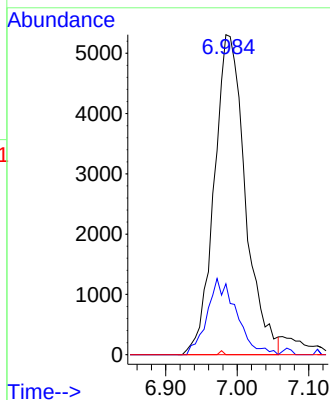
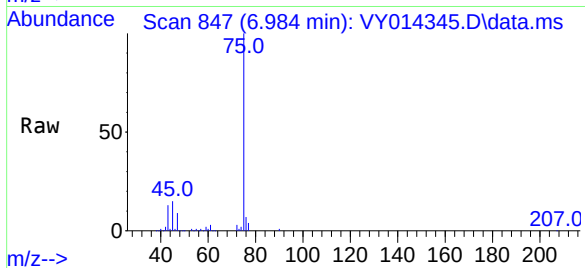




#37
Ethyl Acetate
Concen: 7.235 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.091 min
Lab File: VY014345.D
Acq: 21 Jun 2023 18:52

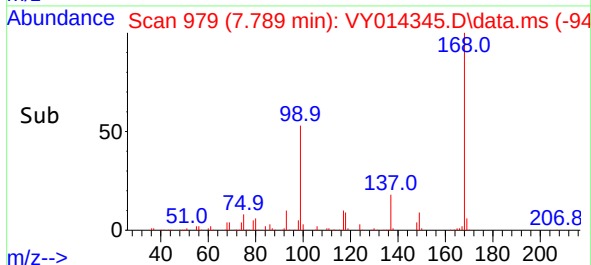
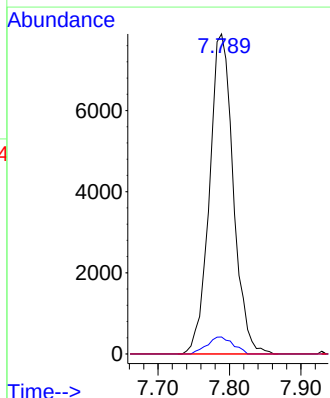
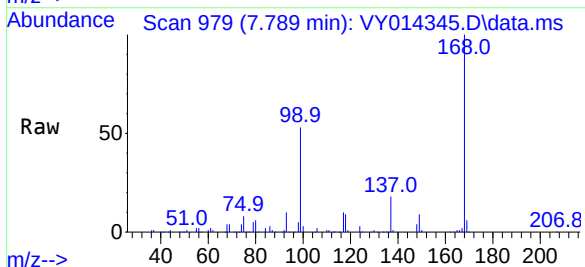
Instrument :
MSVOA_Y
ClientSampleId :
SB-1-(8-10)

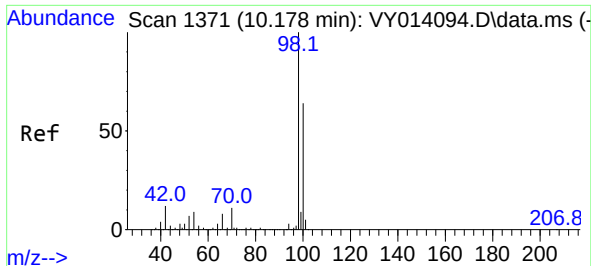
Tgt Ion: 43 Resp: 16022
Ion Ratio Lower Upper
43 100
61 22.5 10.1 15.1#
70 0.2 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.917 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY014345.D
Acq: 21 Jun 2023 18:52

Tgt Ion: 117 Resp: 18209
Ion Ratio Lower Upper
117 100
119 5.3 76.4 114.6#
121 0.0 25.8 38.6#

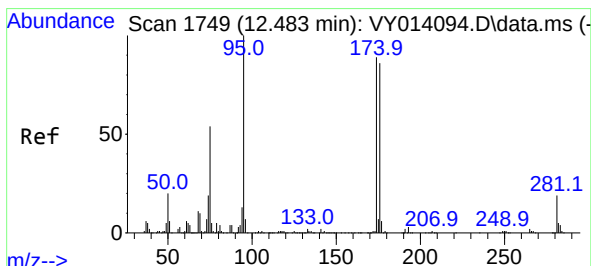
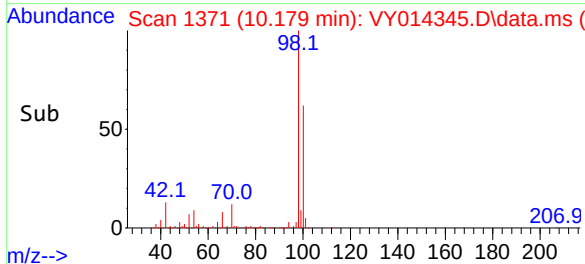
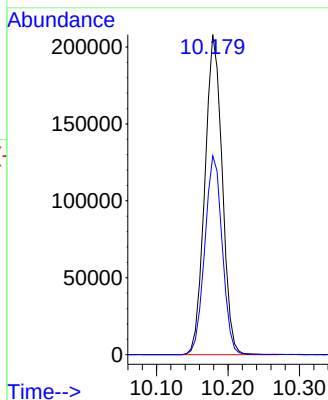
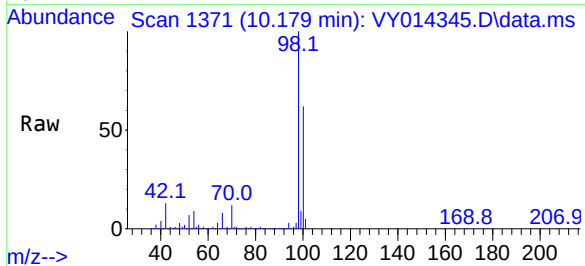




#50
Toluene-d8
Concen: 45.536 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014345.D
Acq: 21 Jun 2023 18:52

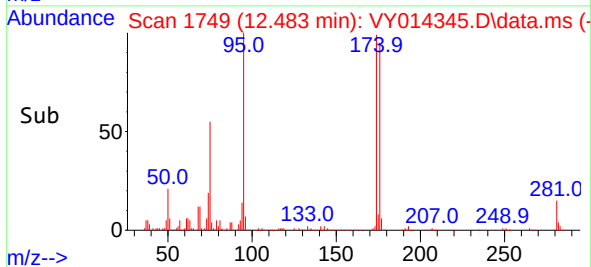
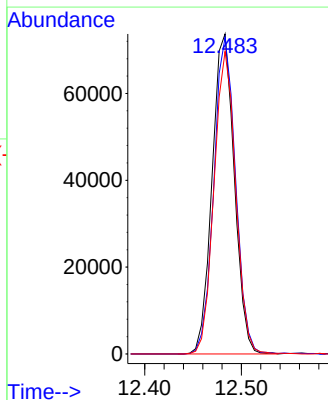
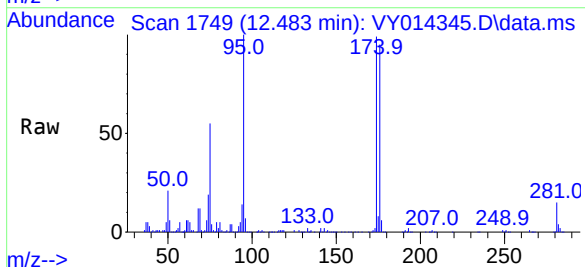
Instrument :
MSVOA_Y
ClientSampleId :
SB-1-(8-10)

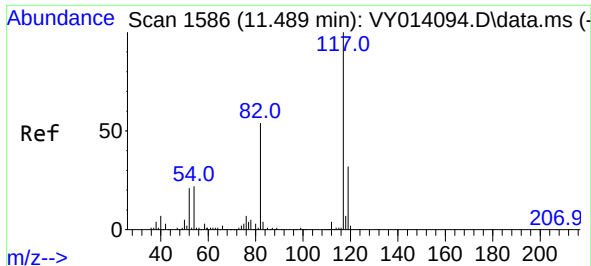
Tgt Ion: 98 Resp: 350453
Ion Ratio Lower Upper
98 100
100 62.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 42.940 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014345.D
Acq: 21 Jun 2023 18:52

Tgt Ion: 95 Resp: 117394
Ion Ratio Lower Upper
95 100
174 96.7 0.0 178.2
176 92.1 0.0 173.8

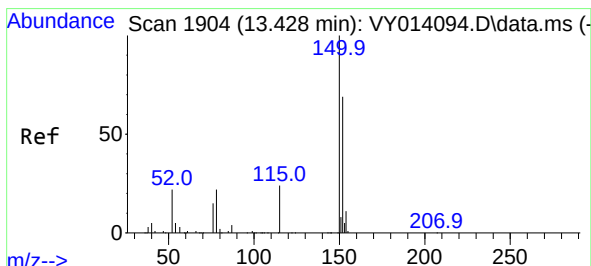
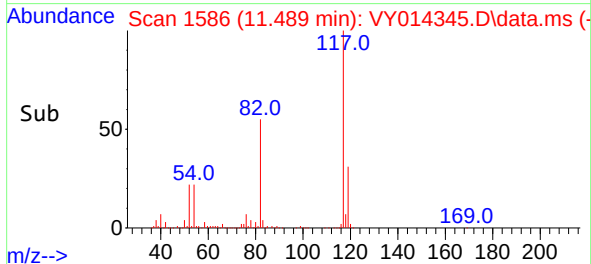
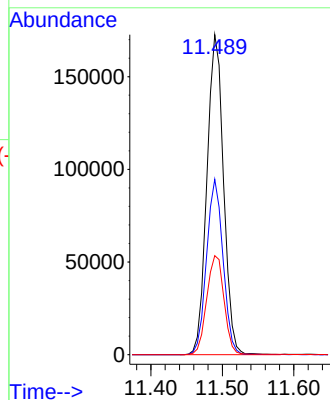
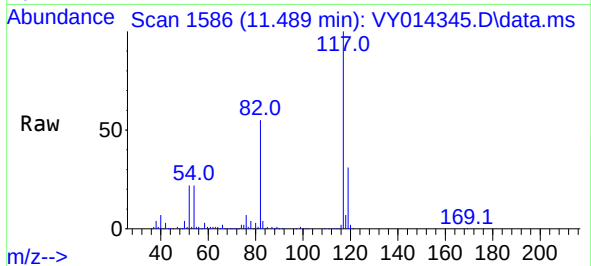




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014345.D
Acq: 21 Jun 2023 18:52

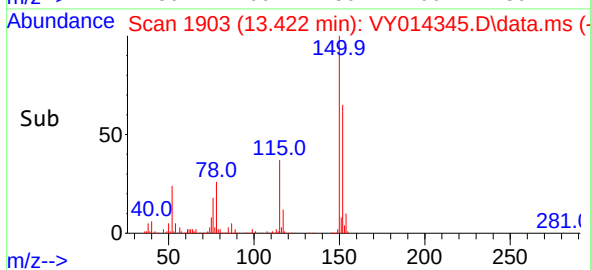
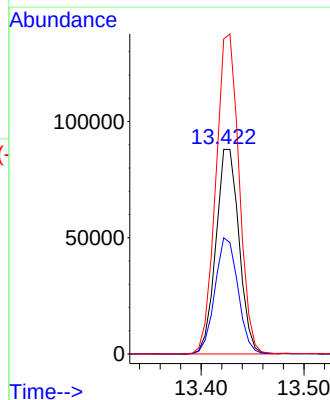
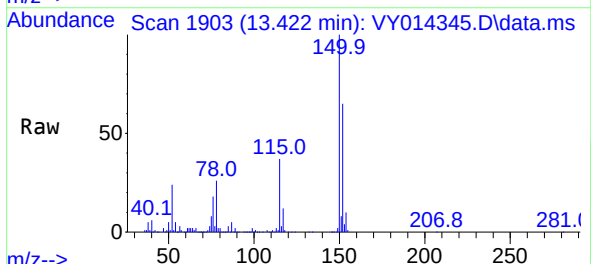
Instrument :
MSVOA_Y
ClientSampleId :
SB-1-(8-10)

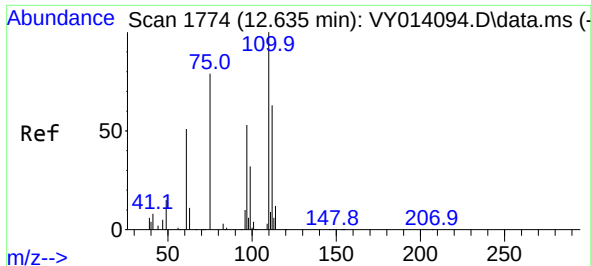
Tgt Ion:117 Resp: 279096
Ion Ratio Lower Upper
117 100
82 54.8 43.4 65.0
119 31.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014345.D
Acq: 21 Jun 2023 18:52

Tgt Ion:152 Resp: 137693
Ion Ratio Lower Upper
152 100
115 56.7 28.8 86.5
150 156.8 0.0 348.8

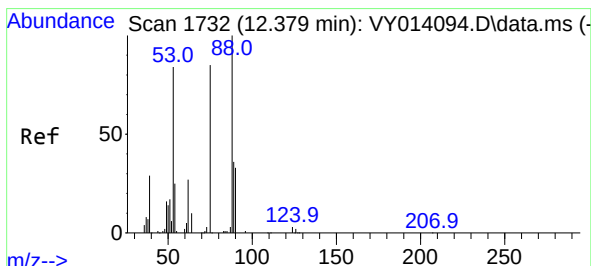
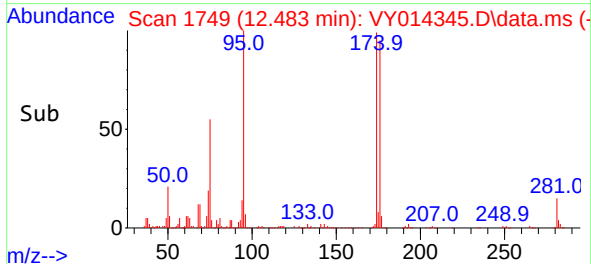
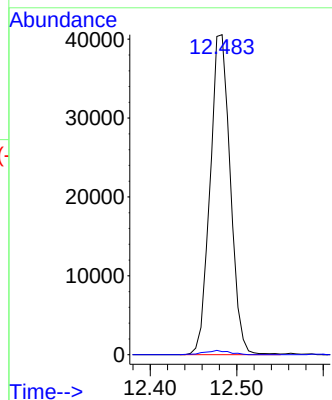
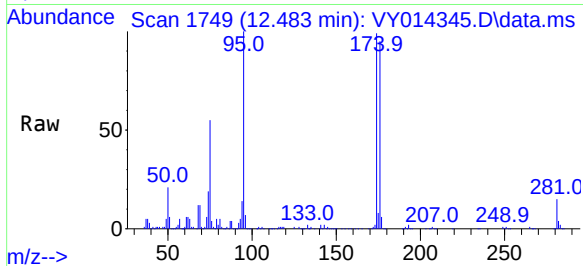




#76
1,2,3-Trichloropropane
Concen: 36.390 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014345.D
Acq: 21 Jun 2023 18:52

Instrument :
MSVOA_Y
ClientSampleId :
SB-1-(8-10)

Tgt Ion: 75 Resp: 65739
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.662 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014345.D
Acq: 21 Jun 2023 18:52

Tgt Ion: 75 Resp: 65739
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.3 37.4 56.0#

