

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102122\
 Data File : VY011054.D
 Acq On : 21 Oct 2022 16:38
 Operator : KP/MD
 Sample : N5217-23
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-E3-7.5-8.0

Quant Time: Oct 22 01:23:58 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)

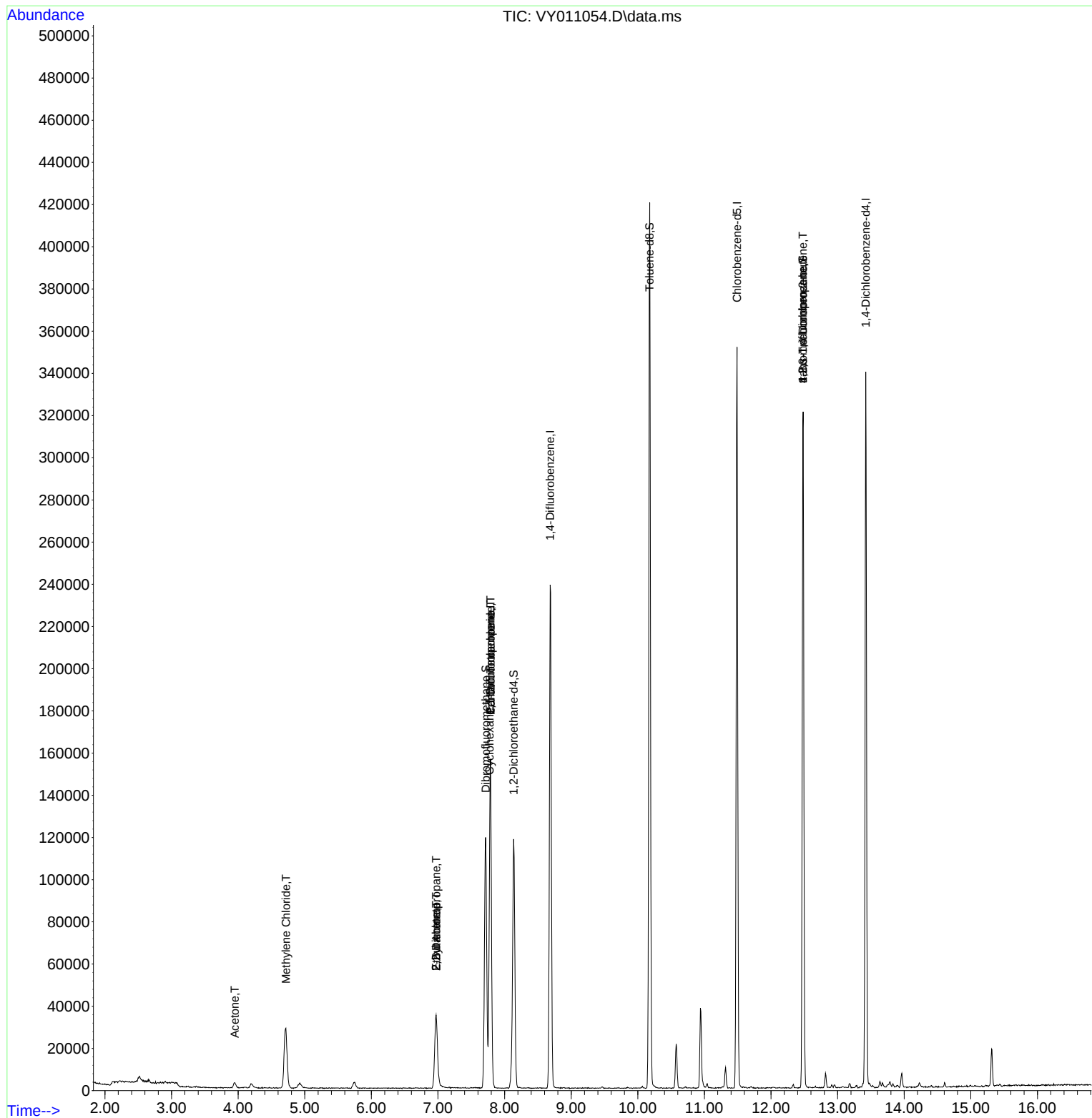
Internal Standards						
1) Pentafluorobenzene	7.789	168	122760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	209373	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	193476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	88056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	86853	76.807	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.620%	
35) Dibromofluoromethane	7.716	113	86065	74.812	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 149.620%#	
50) Toluene-d8	10.179	98	283117	64.761	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 129.520%	
62) 4-Bromofluorobenzene	12.477	95	96551	63.156	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 126.320%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	4575	13.932	ug/l #	86
18) Methyl Acetate	4.424	43	24	Below Cal	#	56
20) Methylene Chloride	4.716	84	22991	11.158	ug/l #	79
25) 2-Butanone	6.972	43	2357	4.733	ug/l #	81
26) 2,2-Dichloropropane	6.972	77	2645	1.247	ug/l #	55
31) Cyclohexane	7.777	56	2224	1.028	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9387	4.816	ug/l #	50
37) Ethyl Acetate	6.972	43	2357	2.184	ug/l #	1
38) Carbon Tetrachloride	7.789	117	12386	6.156	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	48232	48.246	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	48232	103.763	ug/l #	7

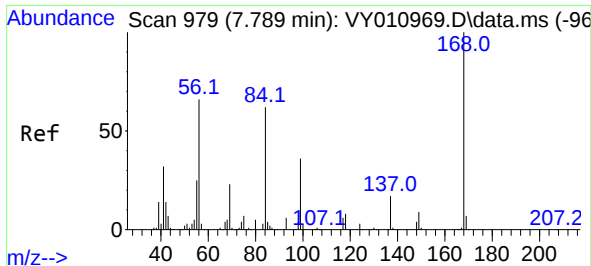
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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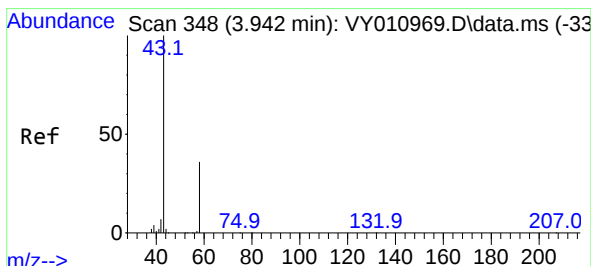
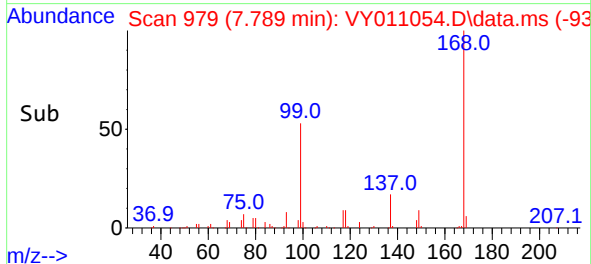
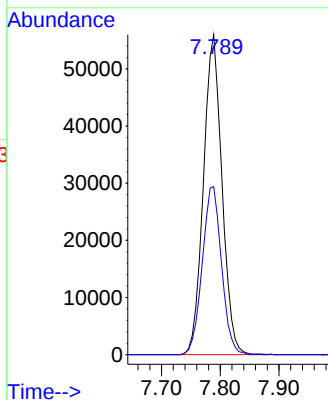
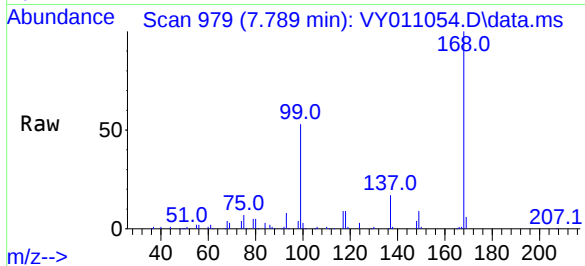




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011054.D
Acq: 21 Oct 2022 16:38

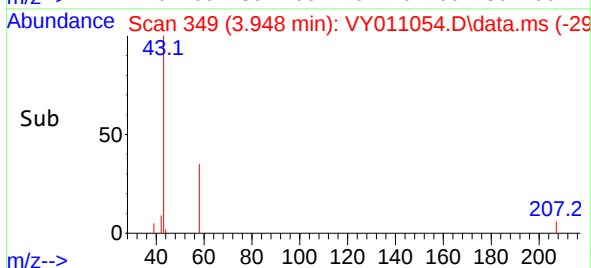
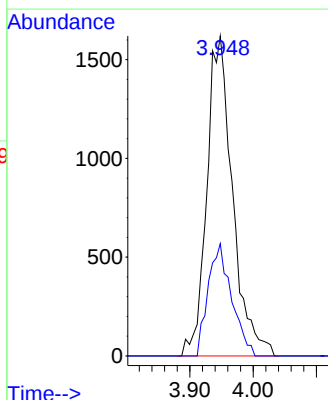
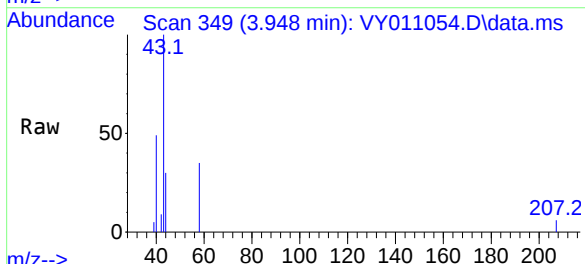
Instrument :
MSVOA_Y
ClientSampleId :
SB-E3-7.5-8.0

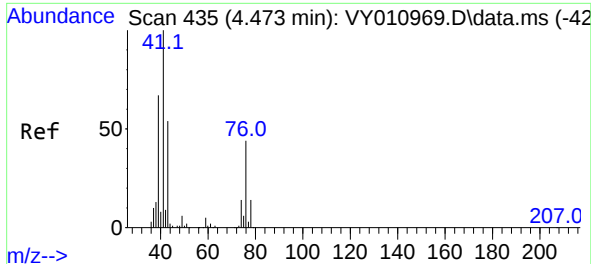
Tgt Ion:168 Resp: 122760
Ion Ratio Lower Upper
168 100
99 52.5 46.9 70.3



#16
Acetone
Concen: 13.932 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY011054.D
Acq: 21 Oct 2022 16:38

Tgt Ion: 43 Resp: 4575
Ion Ratio Lower Upper
43 100
58 35.1 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.424 min Scan# 41

Delta R.T. -0.049 min

Lab File: VY011054.D

Acq: 21 Oct 2022 16:38

Instrument :

MSVOA_Y

ClientSampleId :

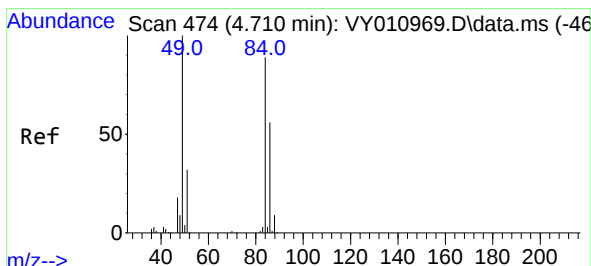
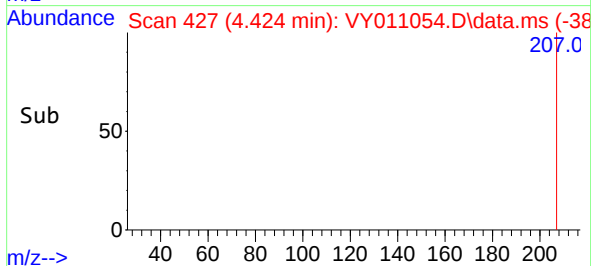
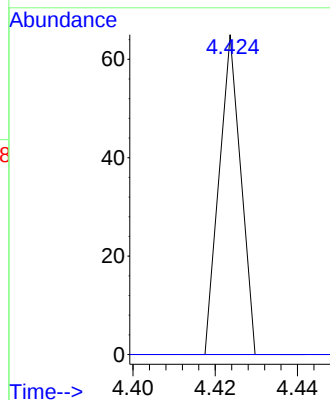
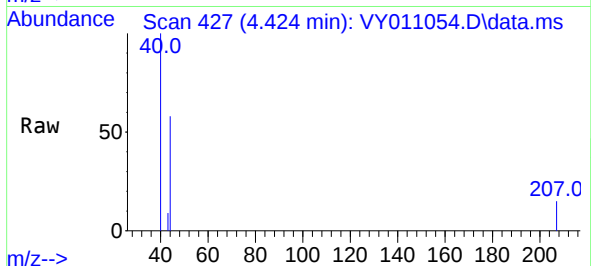
SB-E3-7.5-8.0

Tgt Ion: 43 Resp: 24

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: 11.158 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY011054.D

Acq: 21 Oct 2022 16:38

Tgt Ion: 84 Resp: 22991

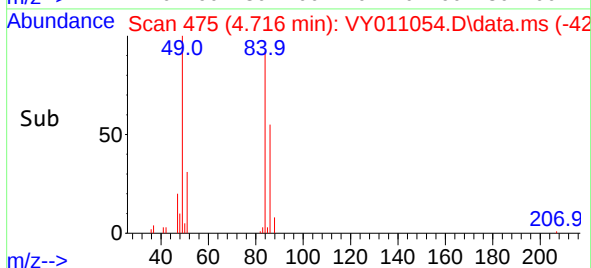
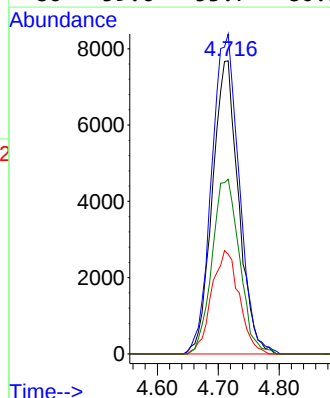
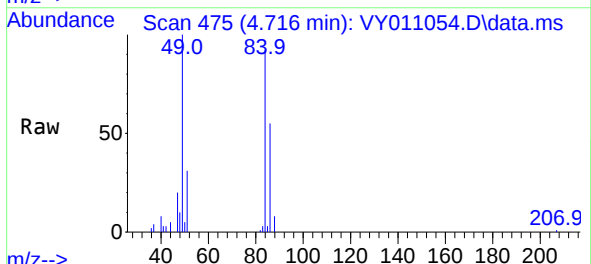
Ion Ratio Lower Upper

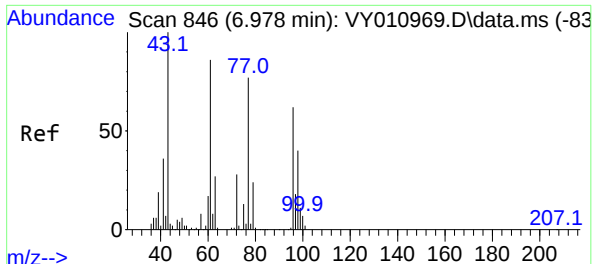
84 100

49 109.2 114.4 171.6#

51 34.0 35.3 52.9#

86 59.6 53.7 80.5

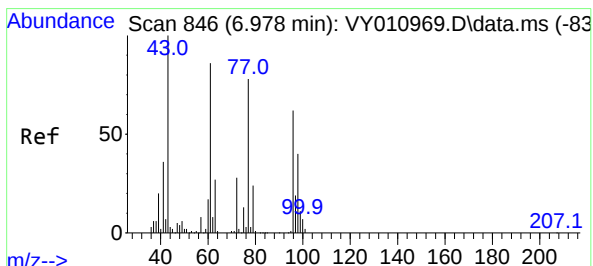
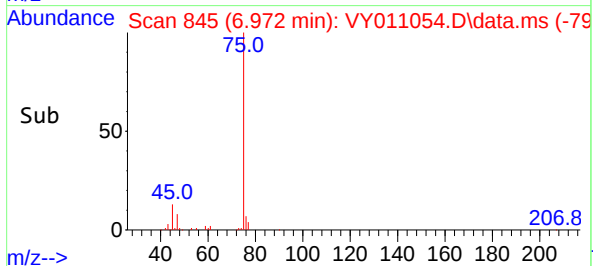
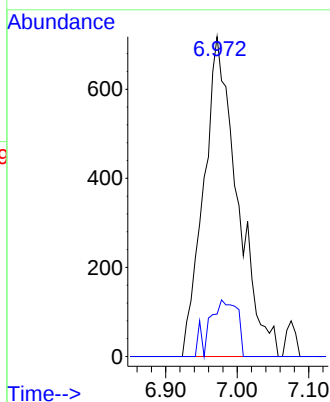
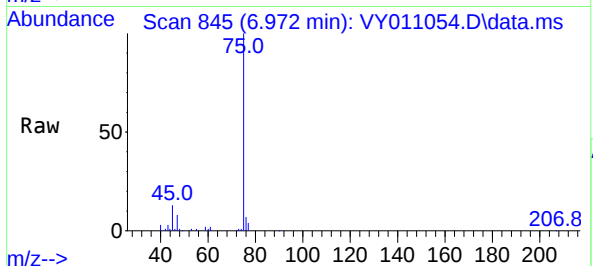




#25
2-Butanone
Concen: 4.733 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY011054.D
Acq: 21 Oct 2022 16:38

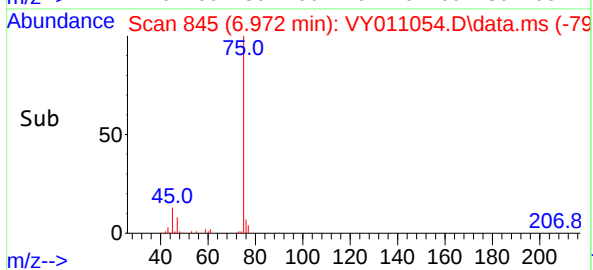
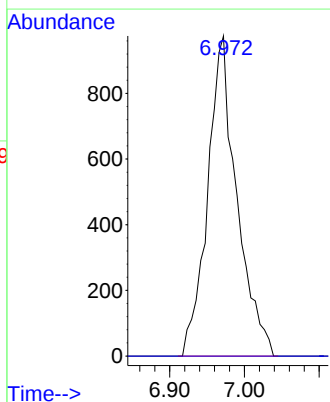
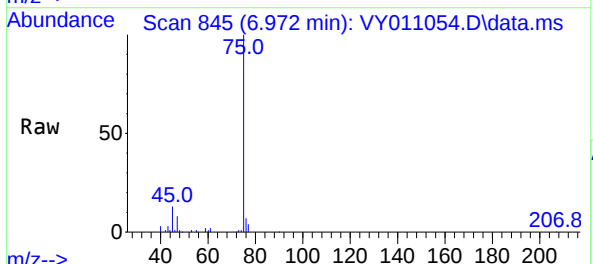
Instrument :
MSVOA_Y
ClientSampleId :
SB-E3-7.5-8.0

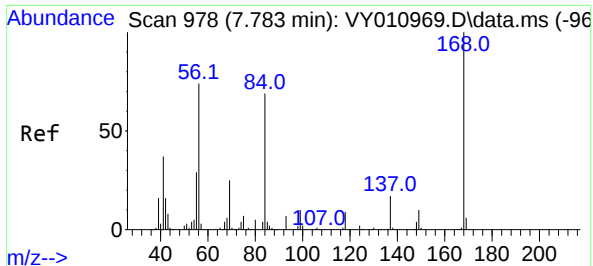
Tgt Ion: 43 Resp: 2357
Ion Ratio Lower Upper
43 100
72 13.2 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.247 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY011054.D
Acq: 21 Oct 2022 16:38

Tgt Ion: 77 Resp: 2645
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

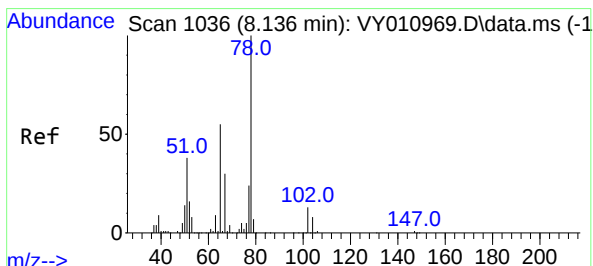
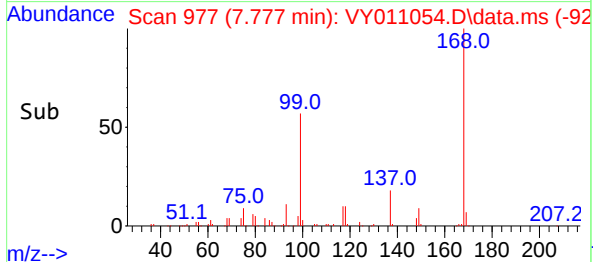
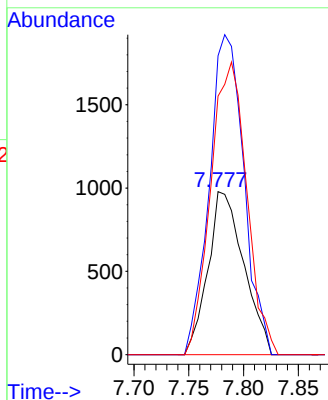
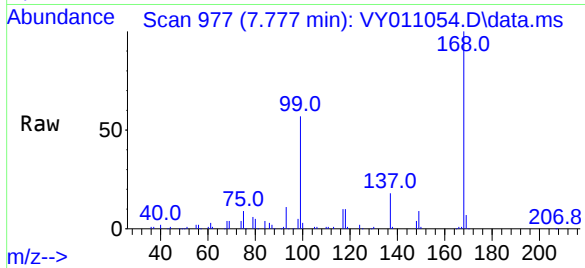




#31
Cyclohexane
Concen: 1.028 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011054.D
Acq: 21 Oct 2022 16:38

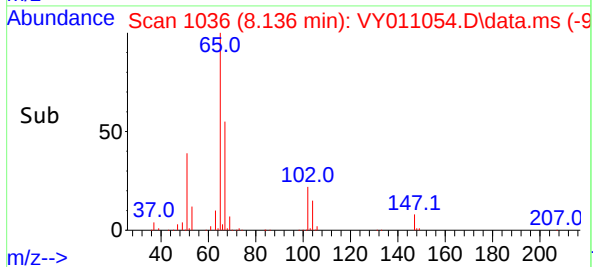
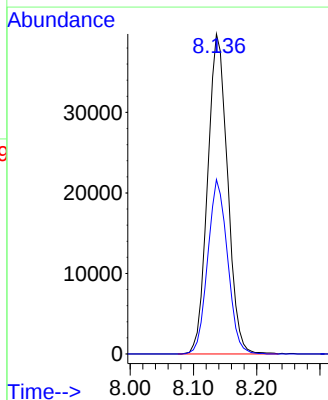
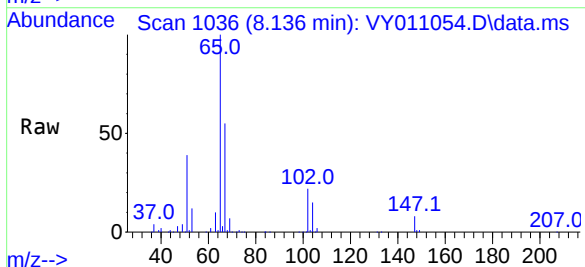
Instrument :
MSVOA_Y
ClientSampleId :
SB-E3-7.5-8.0

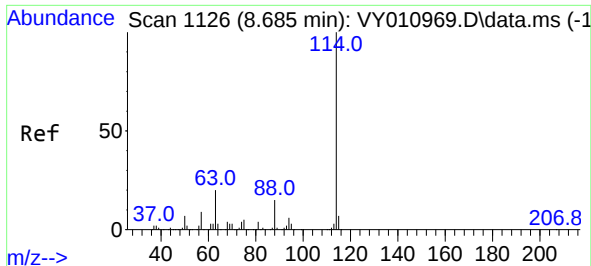
Tgt Ion: 56 Resp: 2224
Ion Ratio Lower Upper
56 100
69 183.2 26.7 40.1#
84 158.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 76.807 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011054.D
Acq: 21 Oct 2022 16:38

Tgt Ion: 65 Resp: 86853
Ion Ratio Lower Upper
65 100
67 54.1 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: VY011054.D

Acq: 21 Oct 2022 16:38

Instrument :

MSVOA_Y

ClientSampleId :

SB-E3-7.5-8.0

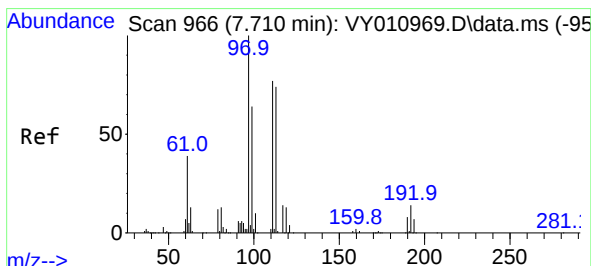
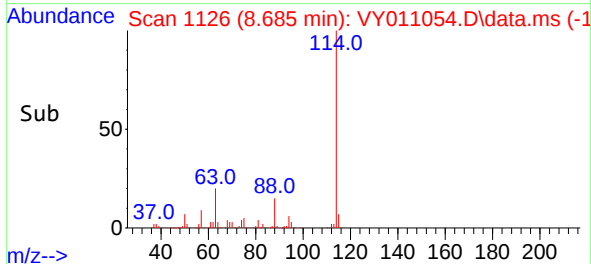
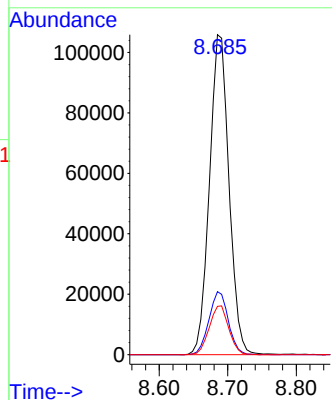
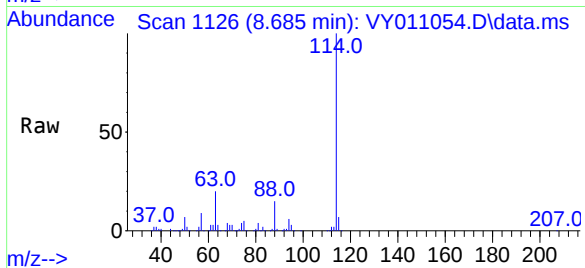
Tgt Ion:114 Resp: 209373

Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 74.812 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011054.D

Acq: 21 Oct 2022 16:38

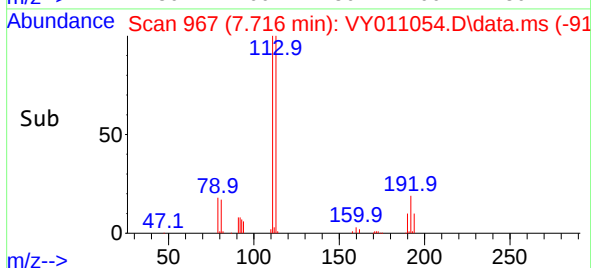
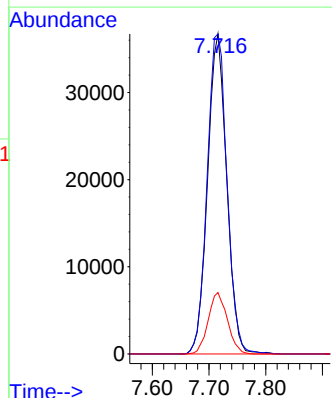
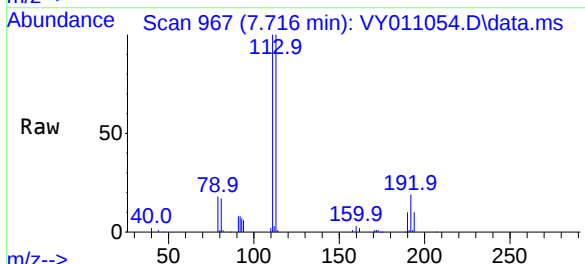
Tgt Ion:113 Resp: 86065

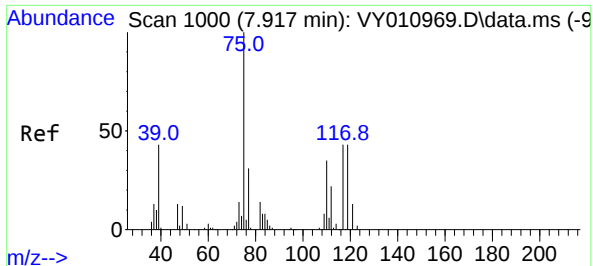
Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

192 19.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.816 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011054.D

Acq: 21 Oct 2022 16:38

Instrument :

MSVOA_Y

ClientSampleId :

SB-E3-7.5-8.0

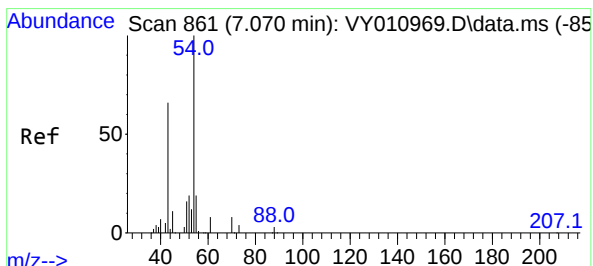
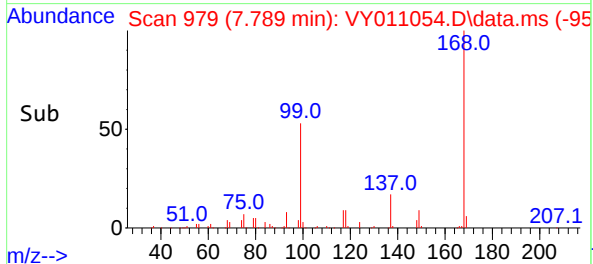
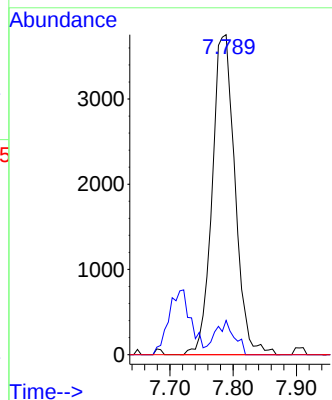
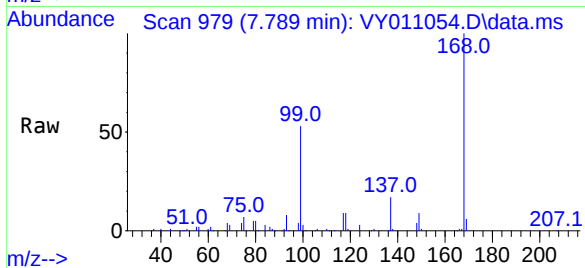
Tgt Ion: 75 Resp: 9387

Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.184 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.098 min

Lab File: VY011054.D

Acq: 21 Oct 2022 16:38

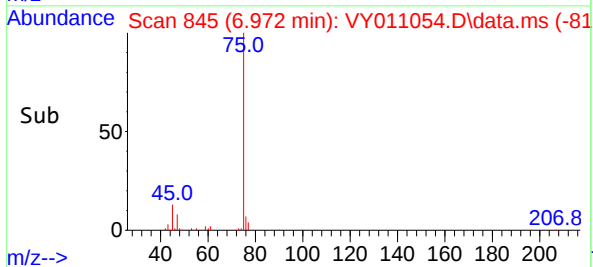
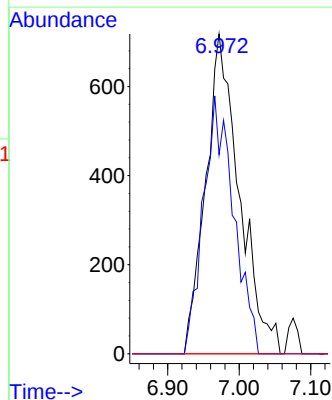
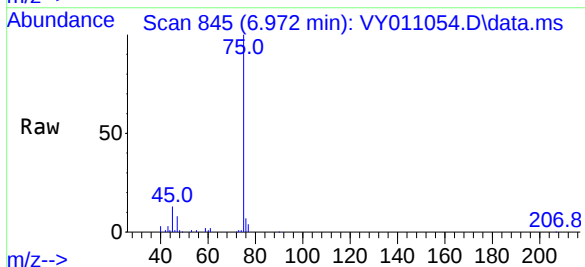
Tgt Ion: 43 Resp: 2357

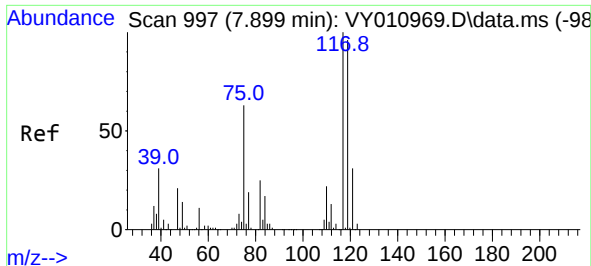
Ion Ratio Lower Upper

43 100

61 72.2 9.7 14.5#

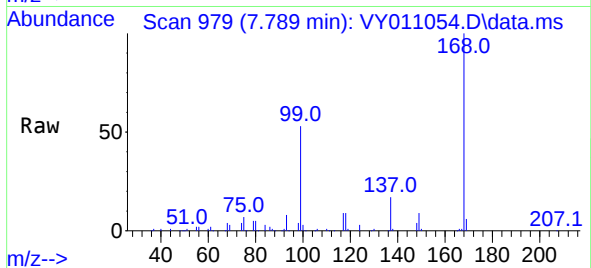
70 0.0 7.1 10.7#



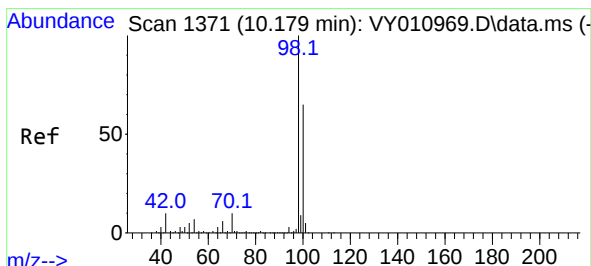
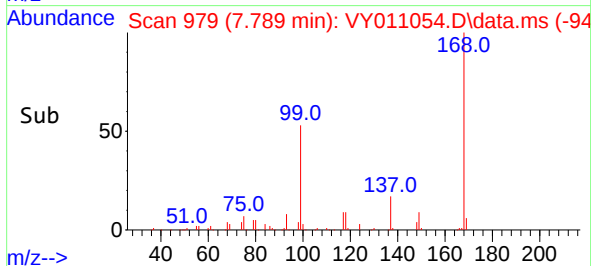
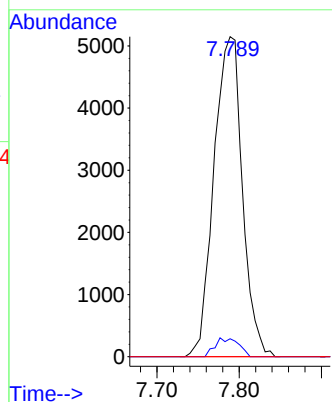


#38
Carbon Tetrachloride
Concen: 6.156 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011054.D
Acq: 21 Oct 2022 16:38

Instrument :
MSVOA_Y
ClientSampleId :
SB-E3-7.5-8.0

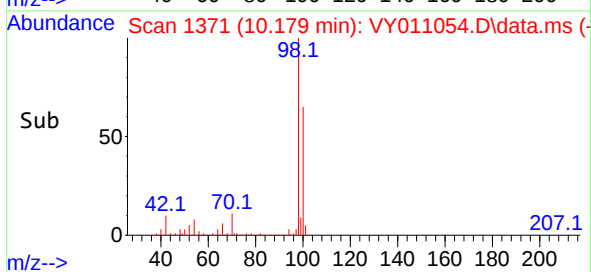
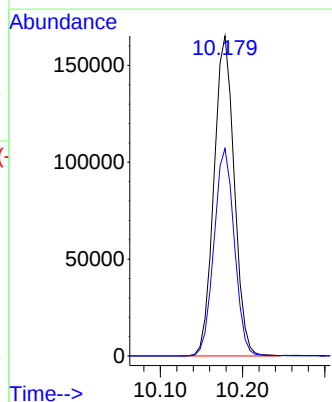
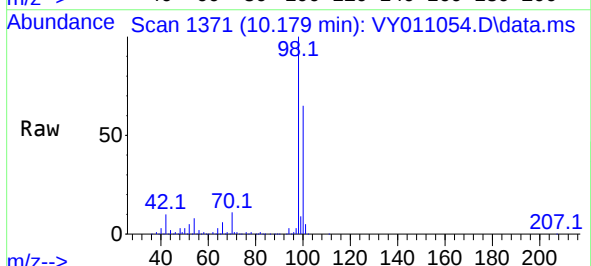


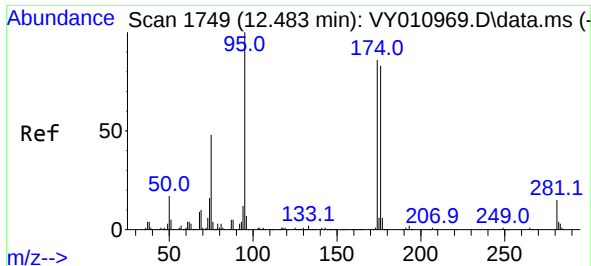
Tgt Ion:117 Resp: 12386
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 64.761 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011054.D
Acq: 21 Oct 2022 16:38

Tgt Ion: 98 Resp: 283117
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2

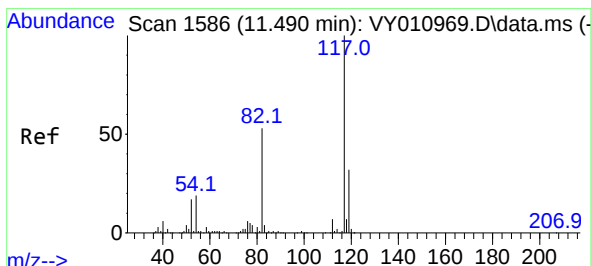
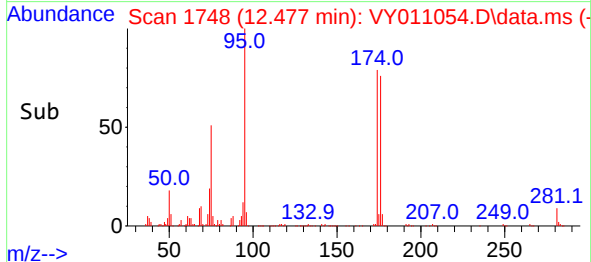
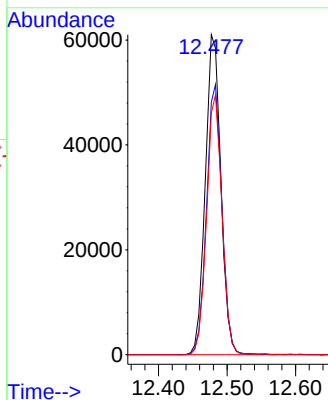
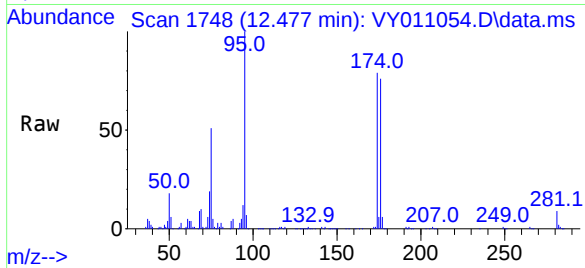




#62
4-Bromofluorobenzene
Concen: 63.156 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011054.D
Acq: 21 Oct 2022 16:38

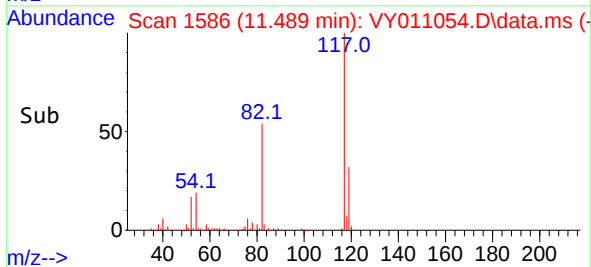
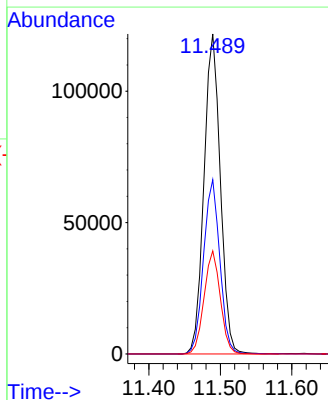
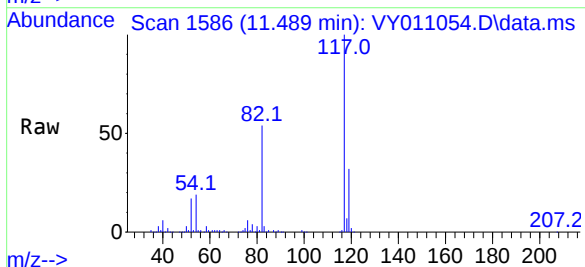
Instrument :
MSVOA_Y
ClientSampleId :
SB-E3-7.5-8.0

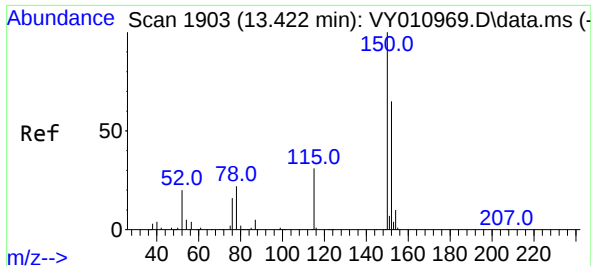
Tgt Ion:	95	Resp:	96551
Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	177.0
176	79.8	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011054.D
Acq: 21 Oct 2022 16:38

Tgt Ion:	117	Resp:	193476
Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.0	64.4
119	32.2	25.4	38.0

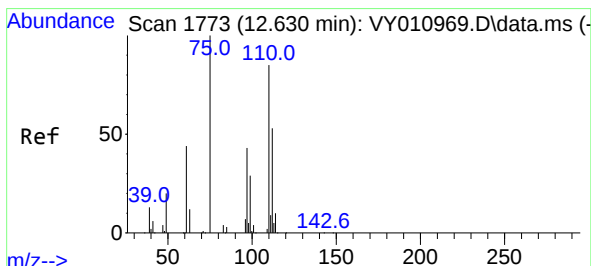
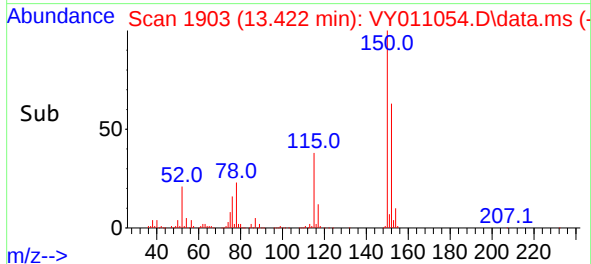
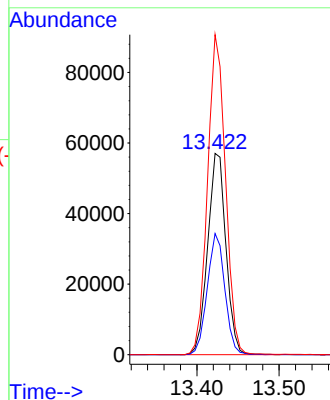
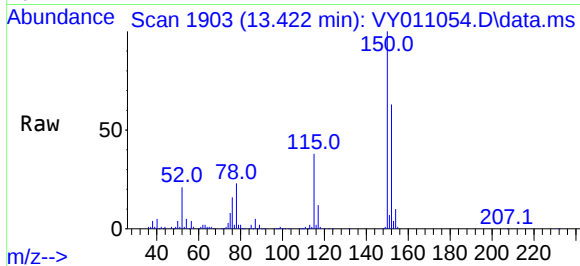




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011054.D
Acq: 21 Oct 2022 16:38

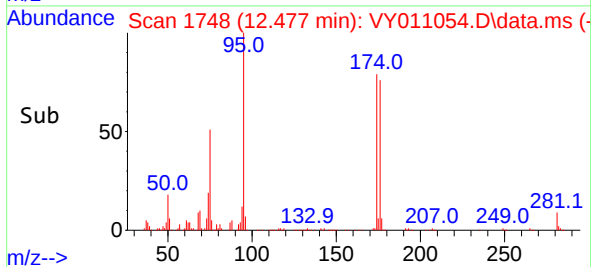
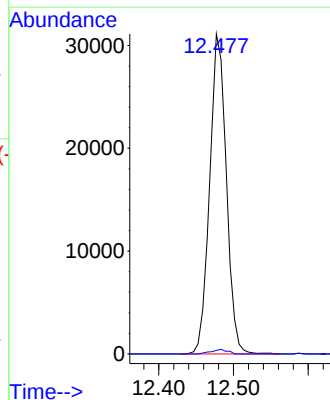
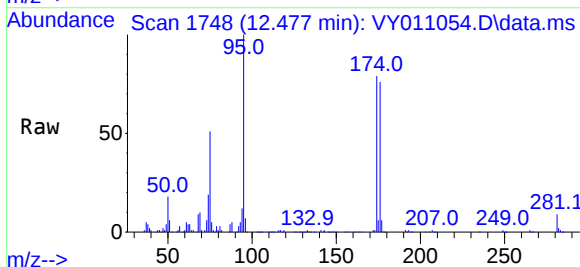
Instrument :
MSVOA_Y
ClientSampleId :
SB-E3-7.5-8.0

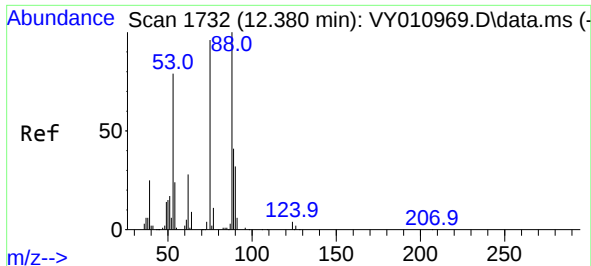
Tgt Ion:152 Resp: 88056
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 156.1 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 48.246 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011054.D
Acq: 21 Oct 2022 16:38

Tgt Ion: 75 Resp: 48232
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.763 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY011054.D
 Acq: 21 Oct 2022 16:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-E3-7.5-8.0

Tgt Ion: 75 Resp: 48232
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.2 37.0 55.4#

