

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102122\
 Data File : VY011053.D
 Acq On : 21 Oct 2022 16:15
 Operator : KP/MD
 Sample : N5217-21
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-E2-7.5-8.0

Quant Time: Oct 22 01:23:49 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)

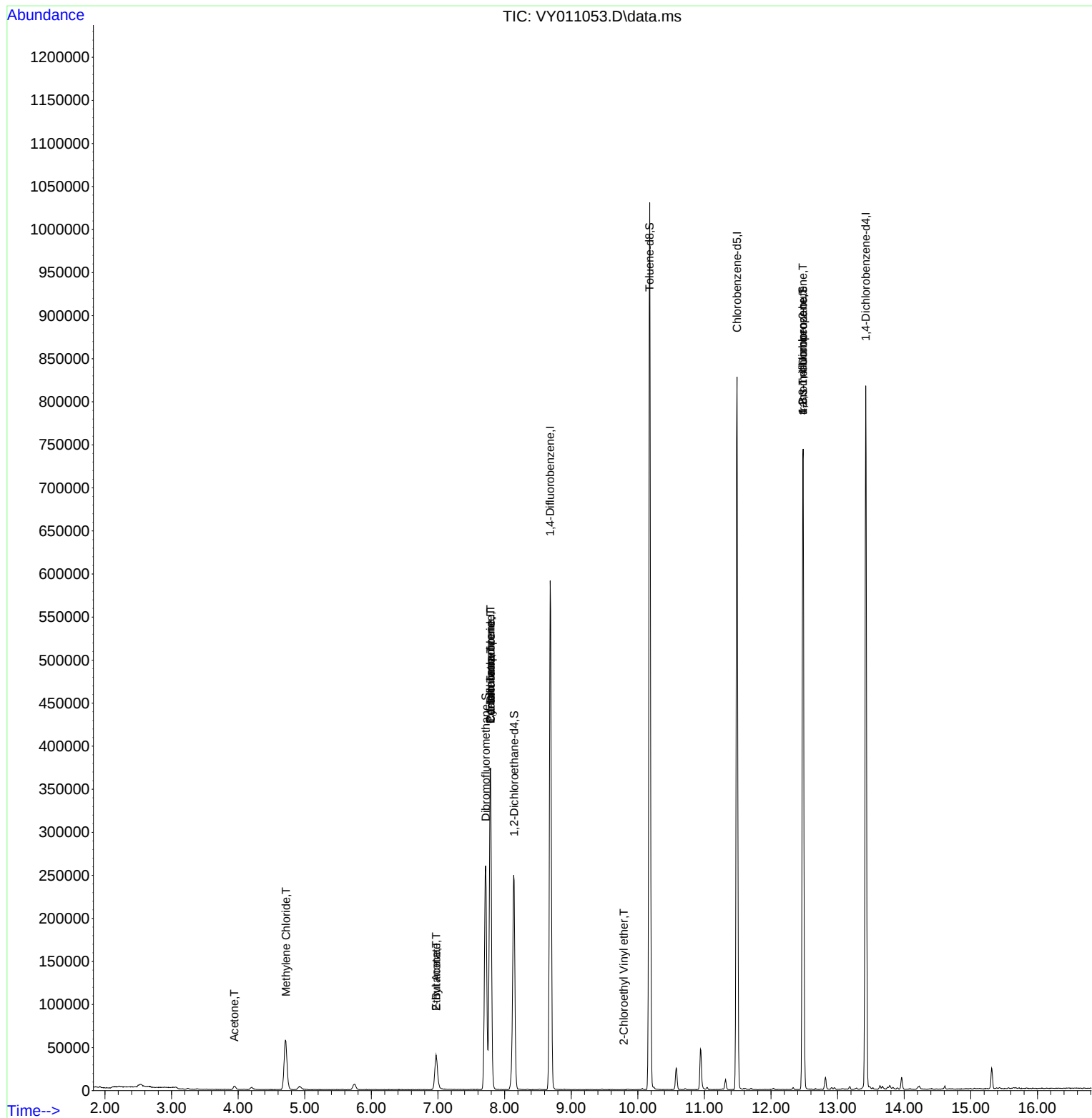
Internal Standards						
1) Pentafluorobenzene	7.789	168	299568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	514526	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	456389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	212017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	186143	67.456	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.920%			
35) Dibromofluoromethane	7.716	113	191947	67.687	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 135.380%			
50) Toluene-d8	10.179	98	665606	61.955	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 123.920%			
62) 4-Bromofluorobenzene	12.477	95	231754	61.612	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 123.220%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	4335	Below Cal	#	77
16) Acetone	3.942	43	7397	9.231	ug/l	92
18) Methyl Acetate	4.704	43	110	Below Cal	#	56
20) Methylene Chloride	4.716	84	45857	7.799	ug/l	# 83
25) 2-Butanone	6.972	43	2944	2.423	ug/l	95
31) Cyclohexane	7.789	56	5685	1.077	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	23091	4.821	ug/l	# 50
37) Ethyl Acetate	6.972	43	2944	1.110	ug/l	# 13
38) Carbon Tetrachloride	7.789	117	29532	5.973	ug/l	# 15
58) 2-Chloroethyl Vinyl ether	9.789	63	20	16.970	ug/l	# 48
76) 1,2,3-Trichloropropane	12.477	75	116038	48.207	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	116038	103.680	ug/l	# 7

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

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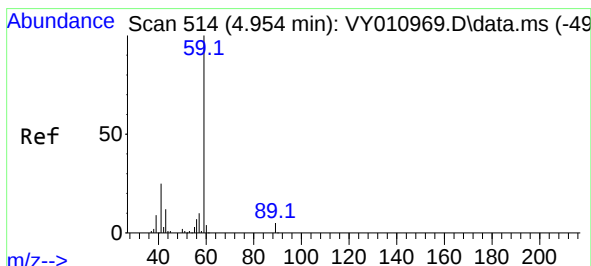
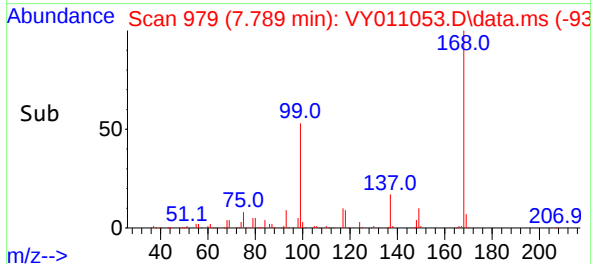
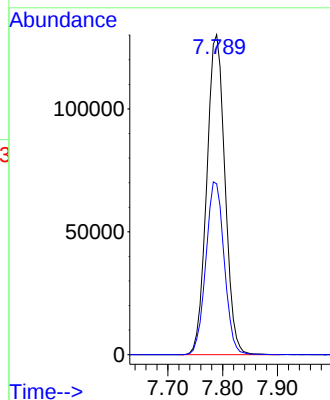
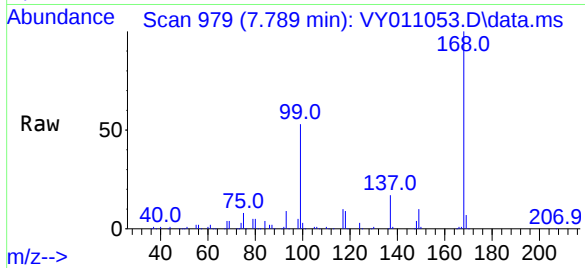




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

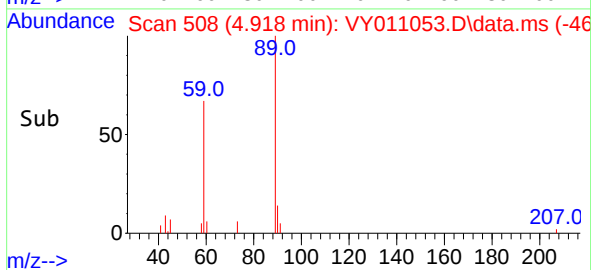
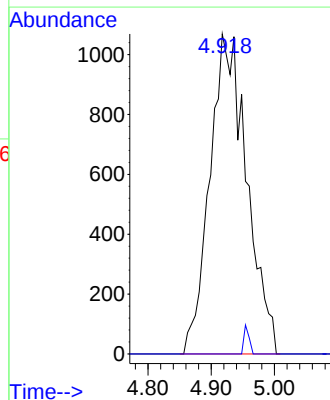
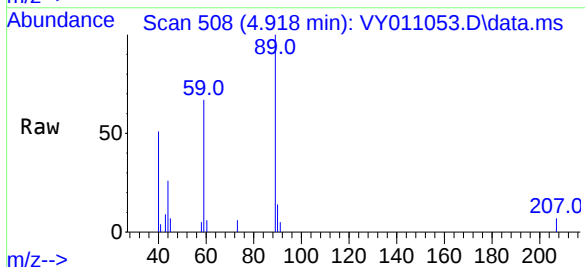
Instrument :
MSVOA_Y
ClientSampleId :
SB-E2-7.5-8.0

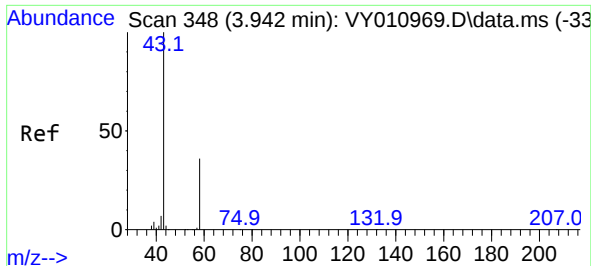
Tgt Ion:168 Resp: 299568
Ion Ratio Lower Upper
168 100
99 53.4 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

Tgt Ion: 59 Resp: 4335
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

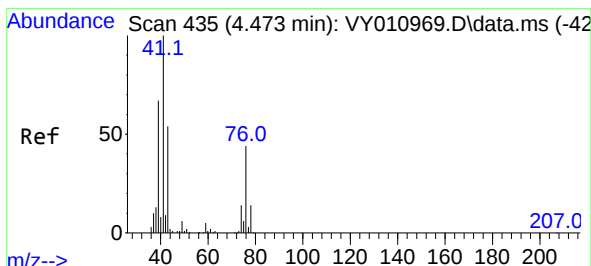
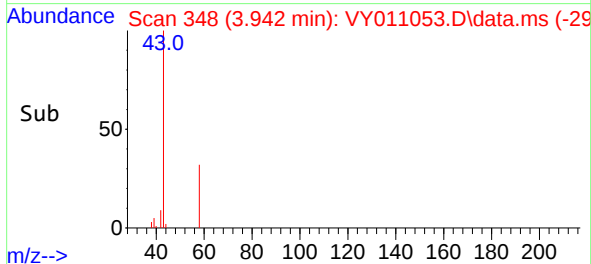
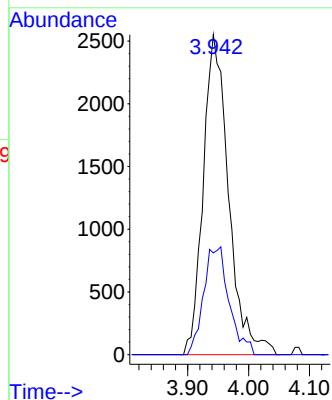
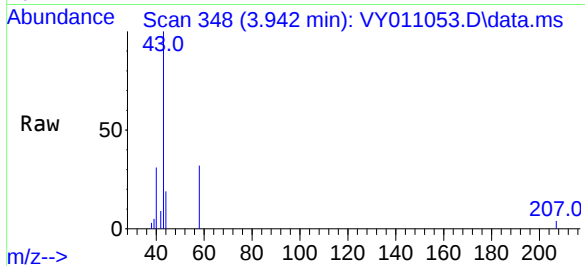




#16
Acetone
Concen: 9.231 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

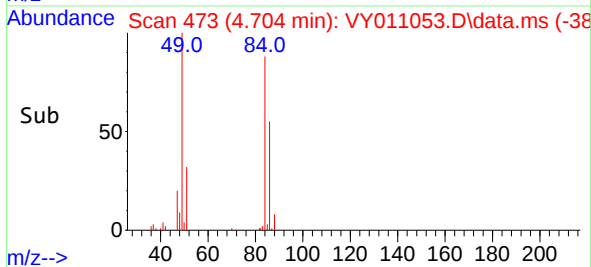
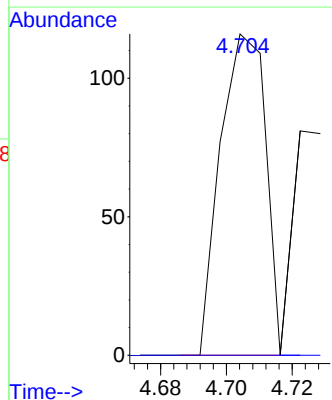
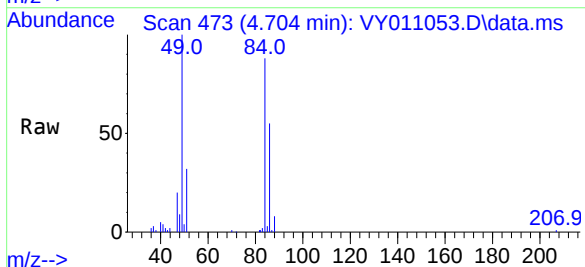
Instrument :
MSVOA_Y
ClientSampleId :
SB-E2-7.5-8.0

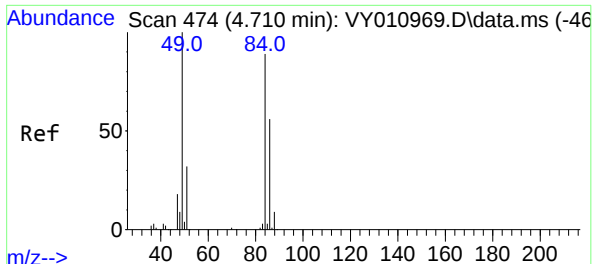
Tgt Ion: 43 Resp: 7397
Ion Ratio Lower Upper
43 100
58 31.8 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.231 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

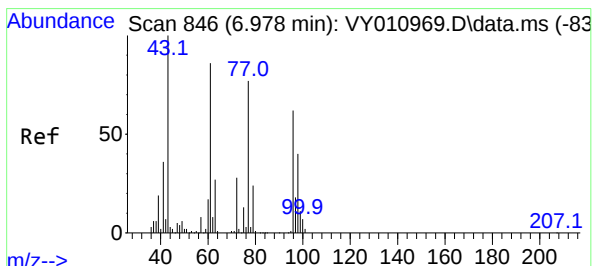
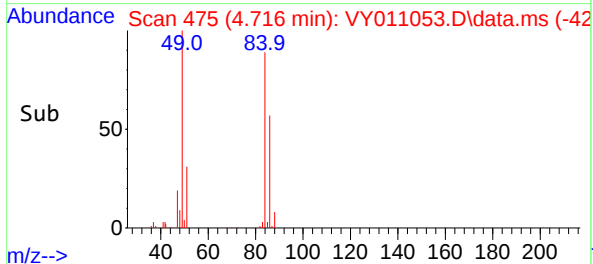
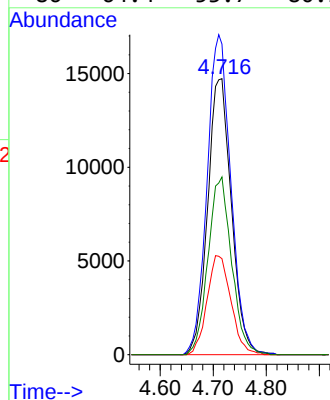
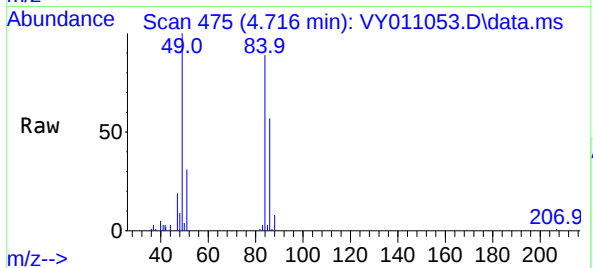




#20
Methylene Chloride
Concen: 7.799 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

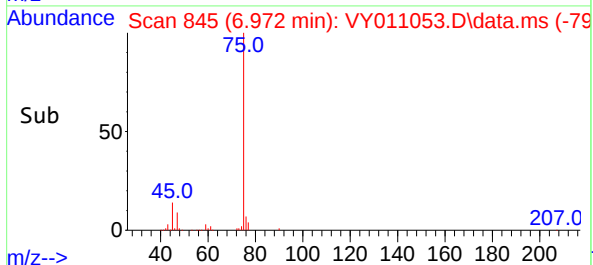
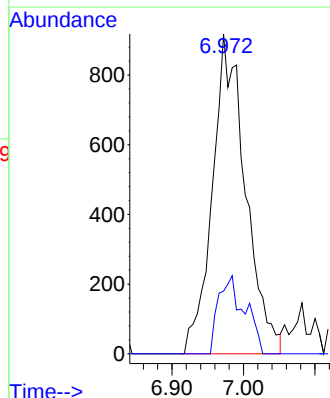
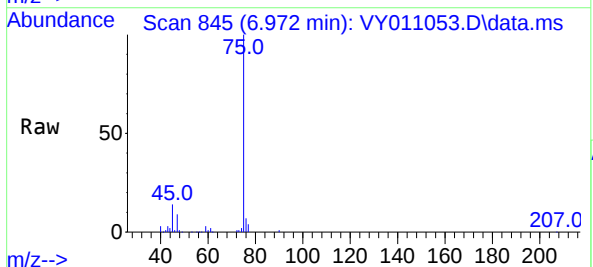
Instrument :
MSVOA_Y
ClientSampleId :
SB-E2-7.5-8.0

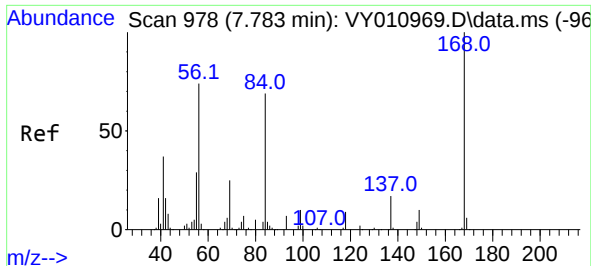
Tgt Ion: 84 Resp: 45857
Ion Ratio Lower Upper
84 100
49 112.5 114.4 171.6#
51 34.8 35.3 52.9#
86 64.4 53.7 80.5



#25
2-Butanone
Concen: 2.423 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

Tgt Ion: 43 Resp: 2944
Ion Ratio Lower Upper
43 100
72 19.6 17.7 26.5

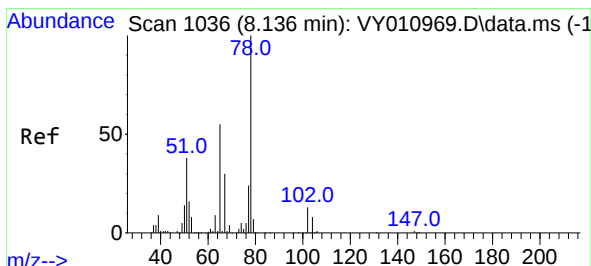
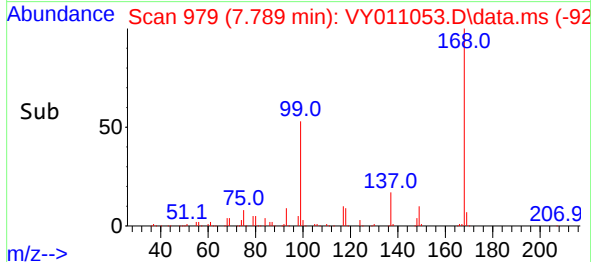
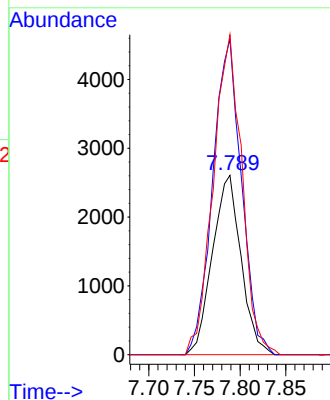
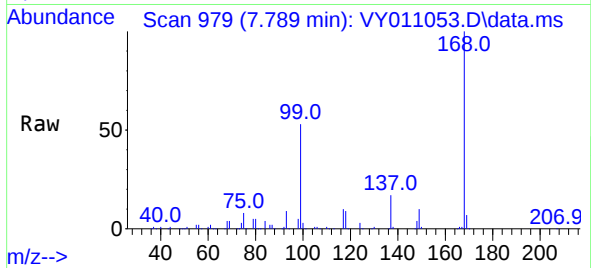




#31
Cyclohexane
Concen: 1.077 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

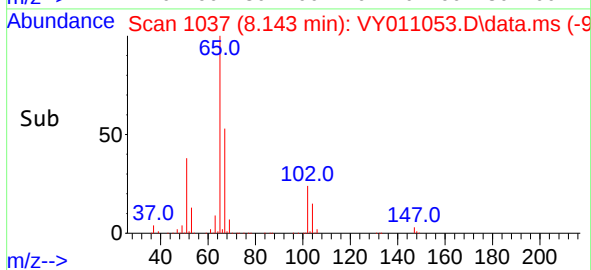
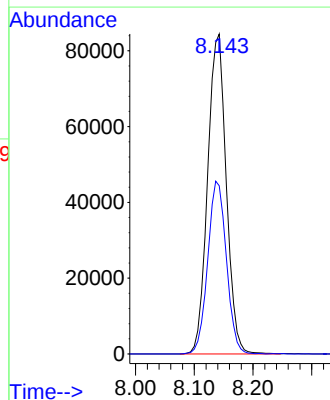
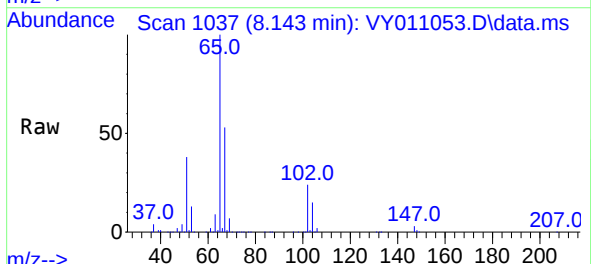
Instrument :
MSVOA_Y
ClientSampleId :
SB-E2-7.5-8.0

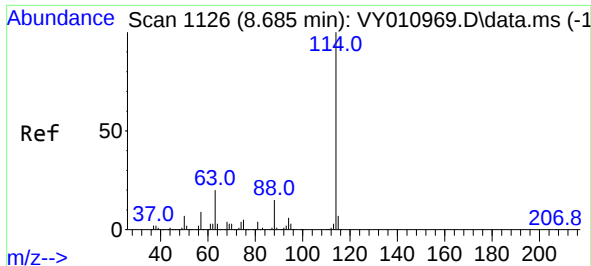
Tgt Ion: 56 Resp: 5685
Ion Ratio Lower Upper
56 100
69 175.8 26.7 40.1#
84 178.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 67.456 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

Tgt Ion: 65 Resp: 186143
Ion Ratio Lower Upper
65 100
67 54.0 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: VY011053.D

Acq: 21 Oct 2022 16:15

Instrument :

MSVOA_Y

ClientSampleId :

SB-E2-7.5-8.0

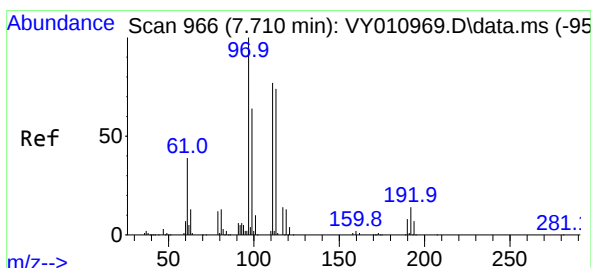
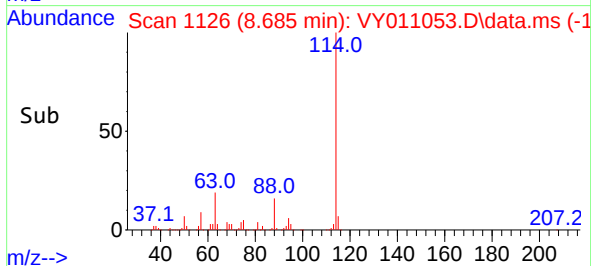
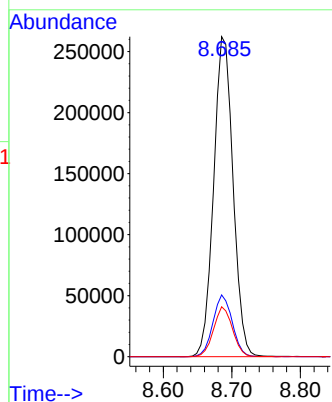
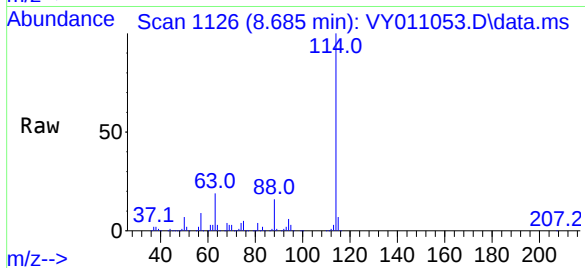
Tgt Ion:114 Resp: 514526

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 67.687 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011053.D

Acq: 21 Oct 2022 16:15

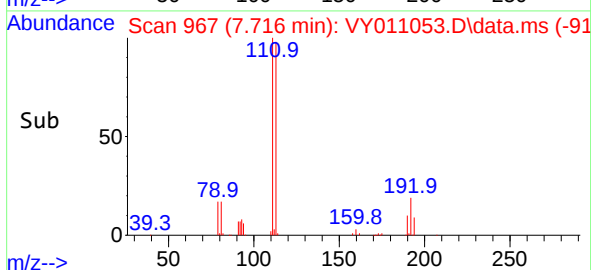
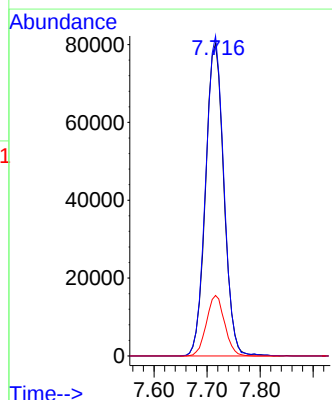
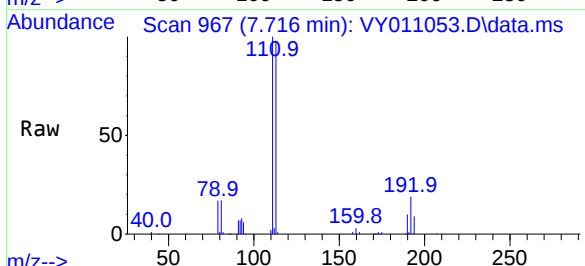
Tgt Ion:113 Resp: 191947

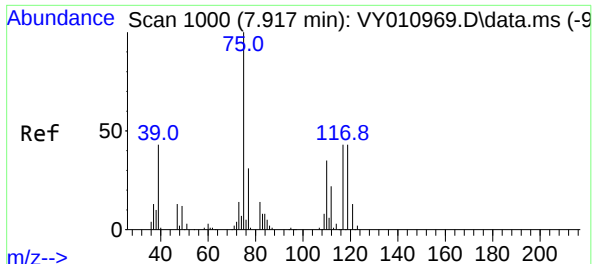
Ion Ratio Lower Upper

113 100

111 101.8 82.6 124.0

192 19.3 17.6 26.4

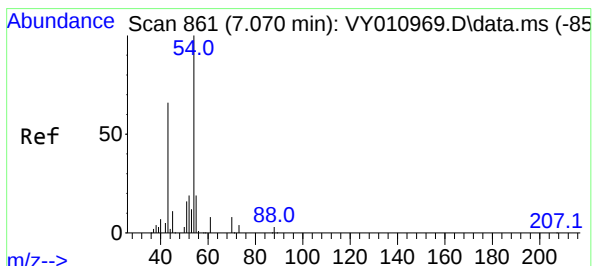
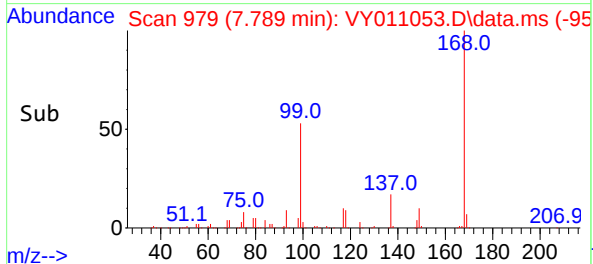
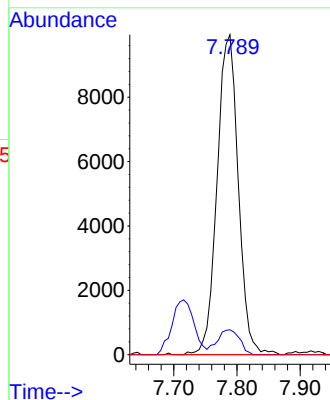
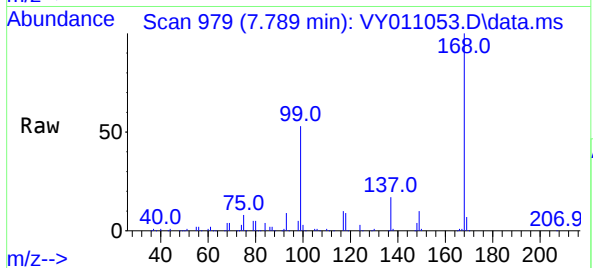




#36
1,1-Dichloropropene
Concen: 4.821 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

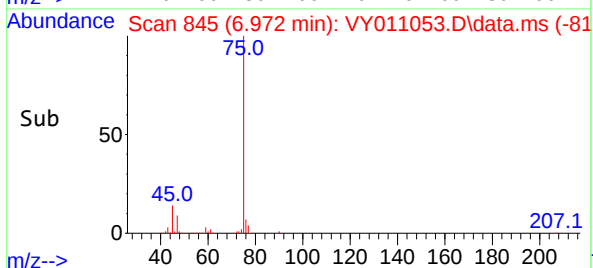
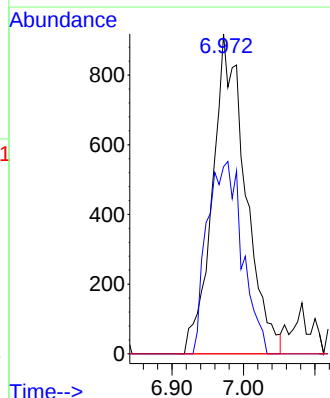
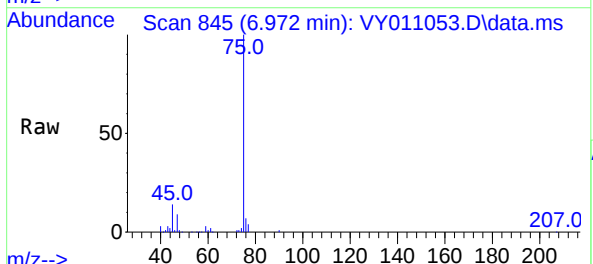
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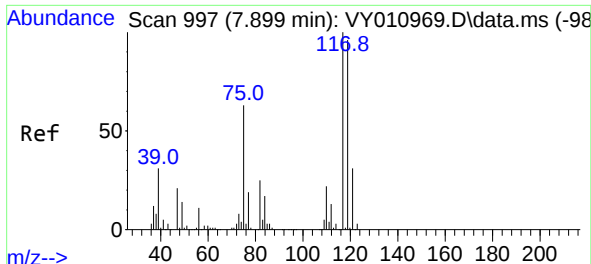
Tgt Ion: 75 Resp: 23091
Ion Ratio Lower Upper
75 100
110 8.2 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.110 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.098 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

Tgt Ion: 43 Resp: 2944
Ion Ratio Lower Upper
43 100
61 64.1 9.7 14.5#
70 0.0 7.1 10.7#

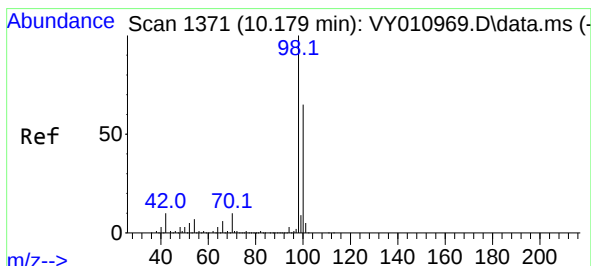
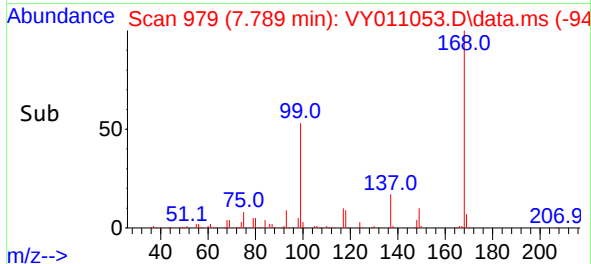
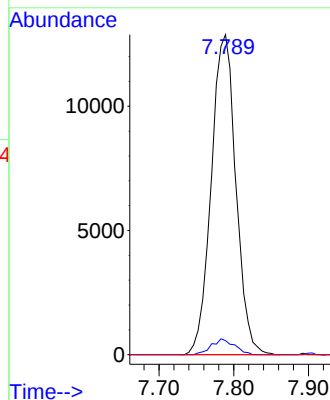
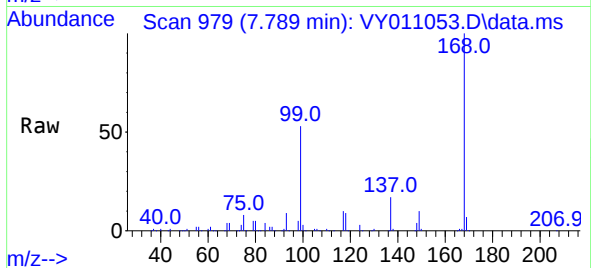




#38
Carbon Tetrachloride
Concen: 5.973 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

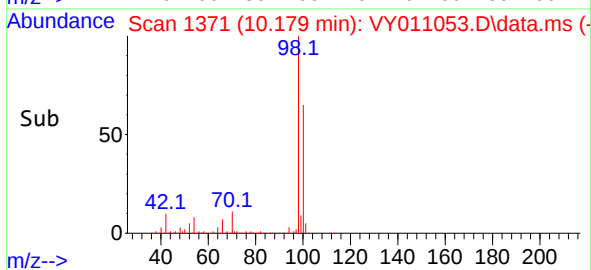
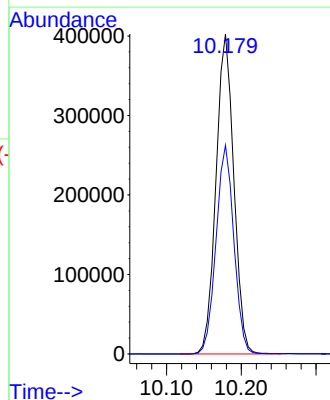
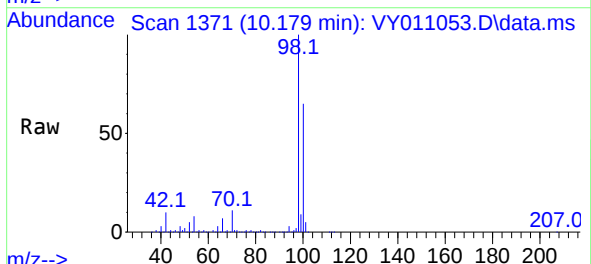
Instrument :
MSVOA_Y
ClientSampleId :
SB-E2-7.5-8.0

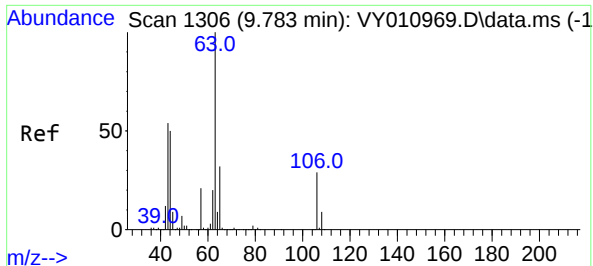
Tgt Ion:117 Resp: 29532
Ion Ratio Lower Upper
117 100
119 4.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 61.955 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

Tgt Ion: 98 Resp: 665606
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

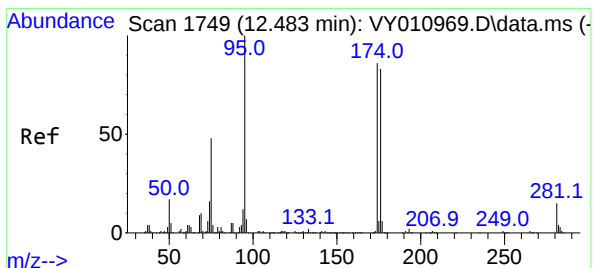
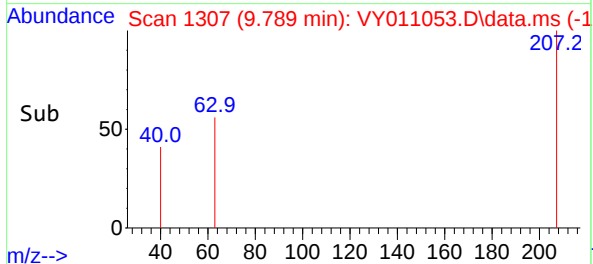
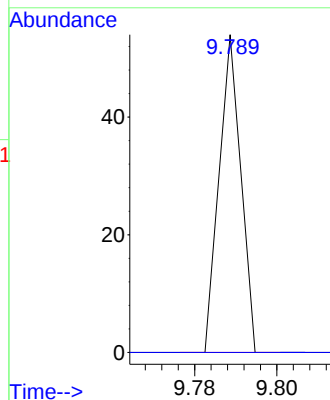
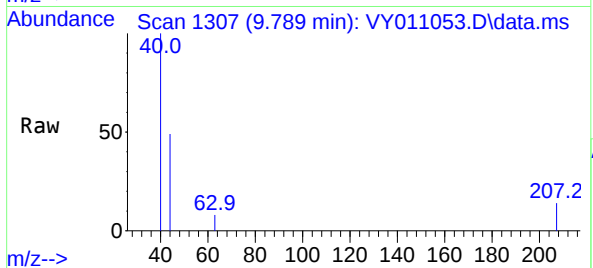




#58
2-Chloroethyl Vinyl ether
Concen: 16.970 ug/l
RT: 9.789 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

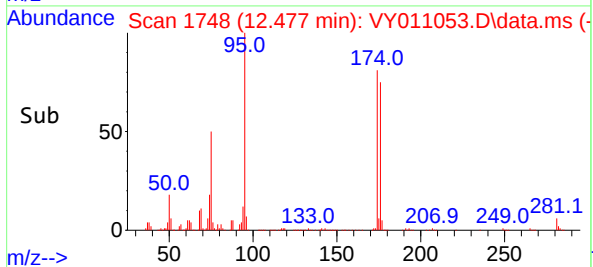
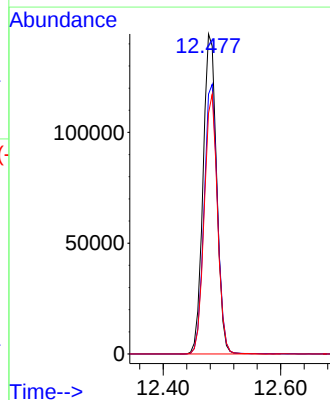
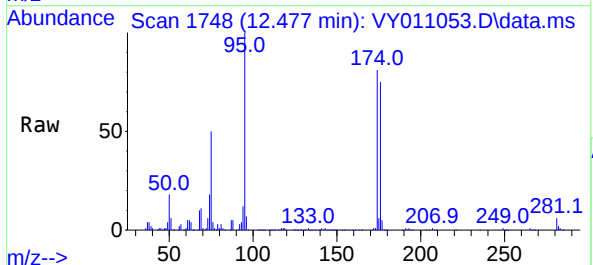
Instrument :
MSVOA_Y
ClientSampleId :
SB-E2-7.5-8.0

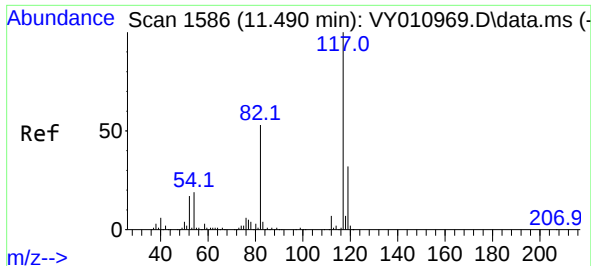
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#



#62
4-Bromofluorobenzene
Concen: 61.612 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

Tgt Ion: 95 Resp: 231754
Ion Ratio Lower Upper
95 100
174 83.2 0.0 177.0
176 79.3 0.0 175.8

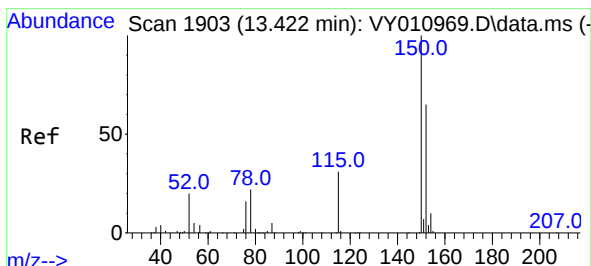
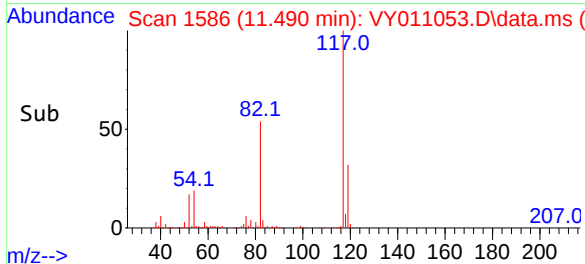
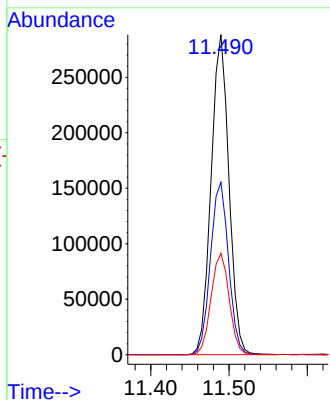
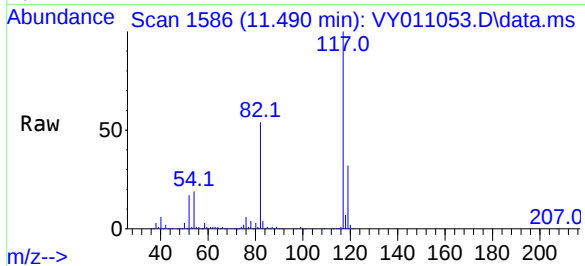




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

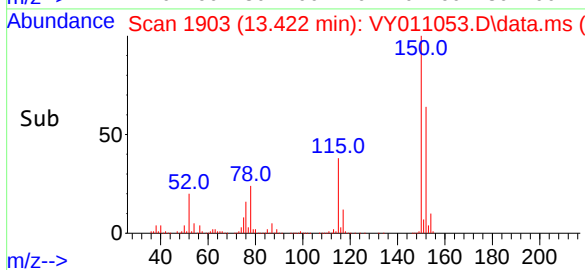
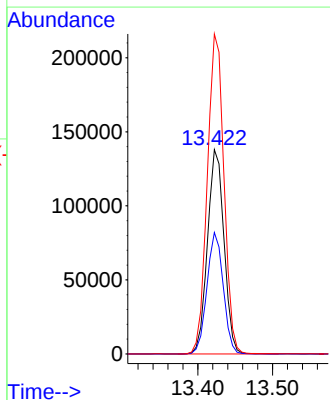
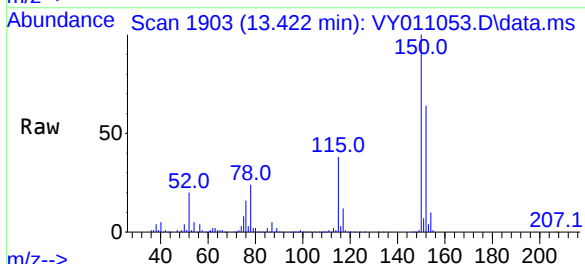
Instrument :
MSVOA_Y
ClientSampleId :
SB-E2-7.5-8.0

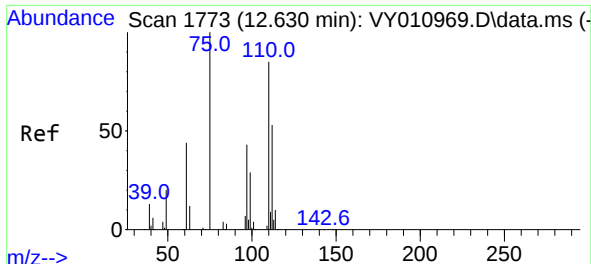
Tgt Ion:117 Resp: 456389
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

Tgt Ion:152 Resp: 212017
Ion Ratio Lower Upper
152 100
115 58.5 28.2 84.7
150 157.6 0.0 347.6

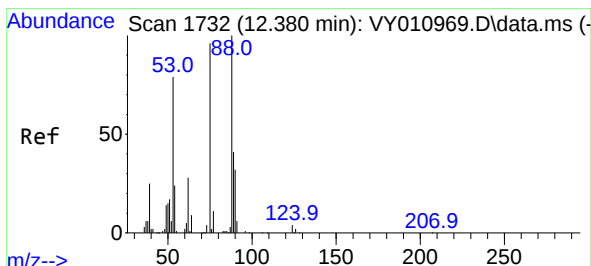
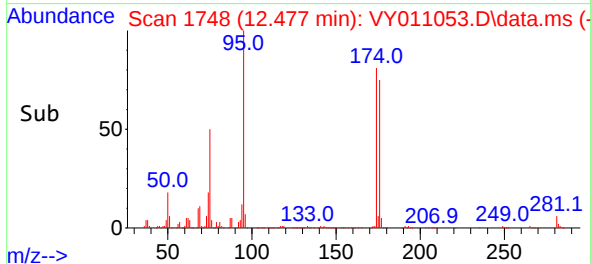
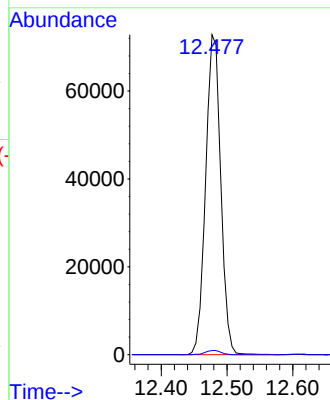
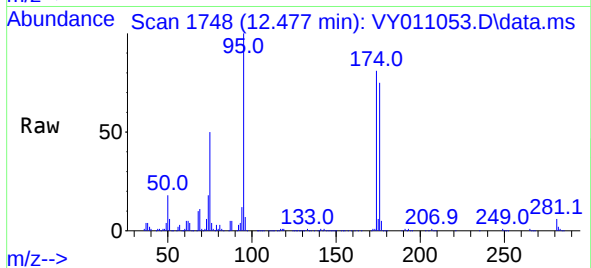




#76
1,2,3-Trichloropropane
Concen: 48.207 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

Instrument :
MSVOA_Y
ClientSampleId :
SB-E2-7.5-8.0

Tgt Ion: 75 Resp: 116038
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.680 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011053.D
Acq: 21 Oct 2022 16:15

Tgt Ion: 75 Resp: 116038
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

