

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111822\
 Data File : VY011506.D
 Acq On : 18 Nov 2022 17:00
 Operator : KP/MD
 Sample : N5641-19
 Misc : 6.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 19 22:41:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

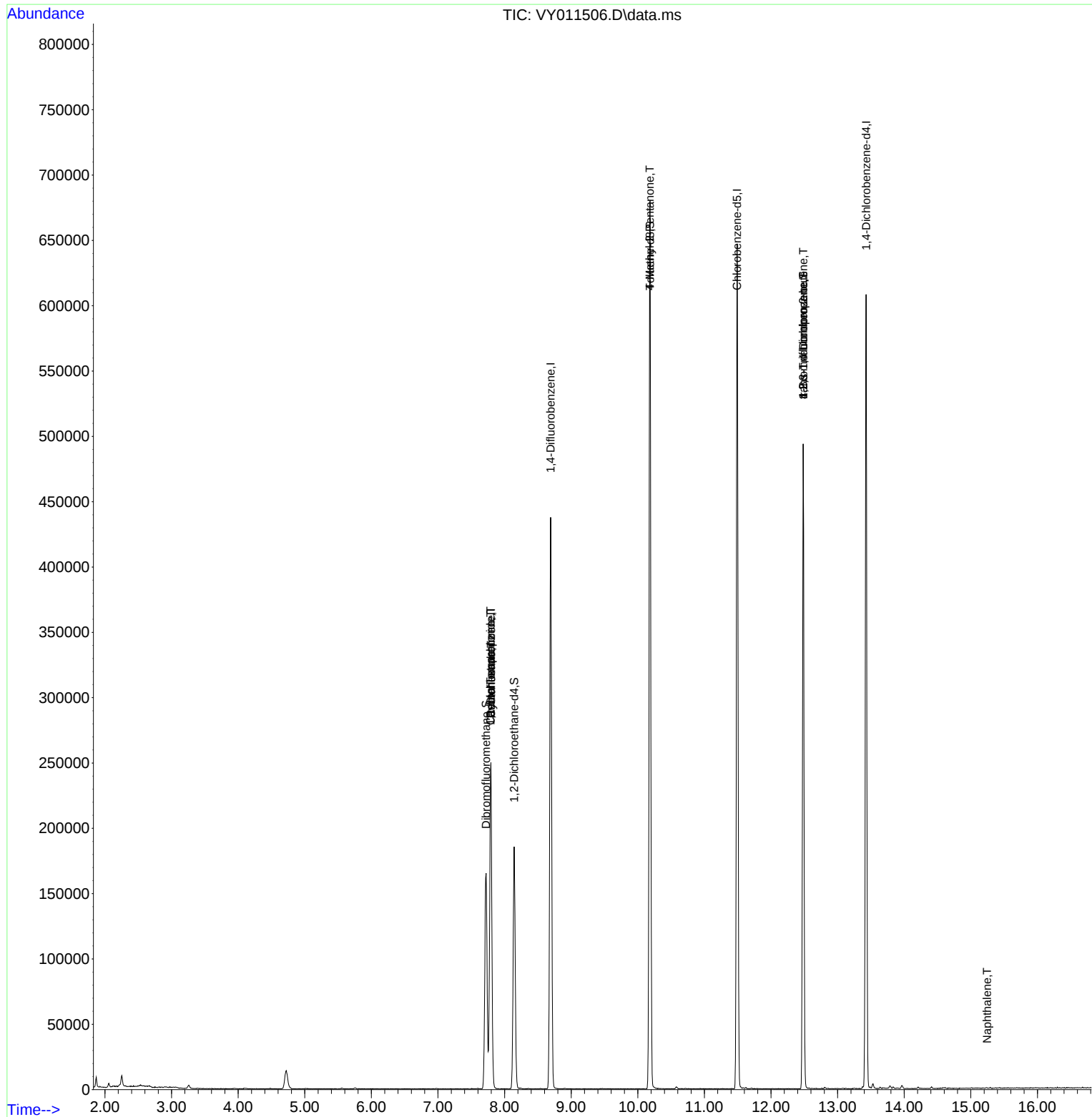
Internal Standards						
1) Pentafluorobenzene	7.795	168	188425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	363313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	344005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	139253	72.783	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.560%	
35) Dibromofluoromethane	7.722	113	117751	52.649	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.300%	
50) Toluene-d8	10.185	98	438520	53.956	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.920%	
62) 4-Bromofluorobenzene	12.483	95	140999	46.923	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.840%	
Target Compounds						
						Qvalue
3) Chloromethane	2.119	50	242	Below Cal		98
5) Bromomethane	2.668	94	379	Below Cal	#	74
11) Tert butyl alcohol	4.942	59	24	Below Cal	#	77
18) Methyl Acetate	4.485	43	172	Below Cal	#	56
20) Methylene Chloride	4.722	84	10227	Below Cal		90
31) Cyclohexane	7.795	56	4531	1.429	ug/l #	22
36) 1,1-Dichloropropene	7.789	75	15075	4.312	ug/l #	50
38) Carbon Tetrachloride	7.789	117	19344	4.946	ug/l #	18
51) 4-Methyl-2-Pentanone	10.179	43	2020	1.012	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	74892	46.187	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	74892	101.165	ug/l #	7
95) Naphthalene	15.245	128	472	4.102	ug/l #	69

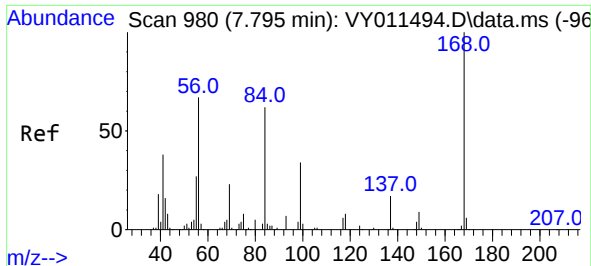
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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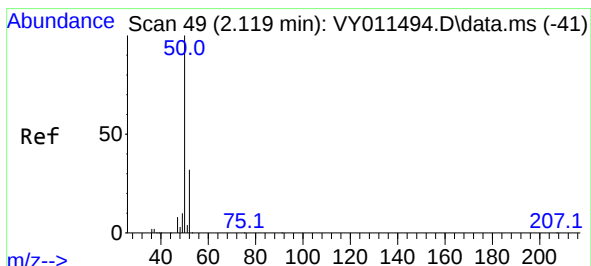
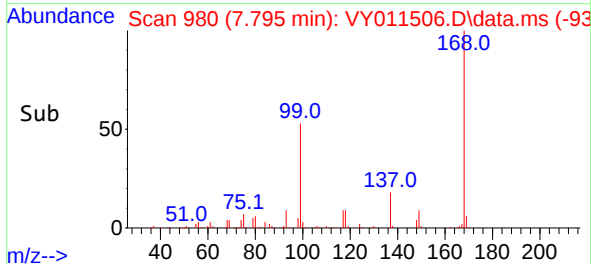
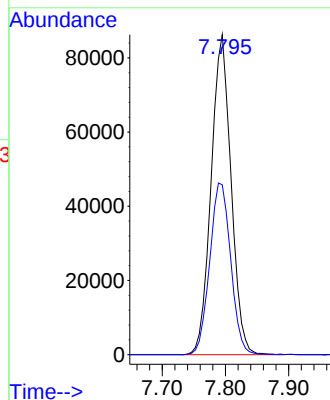
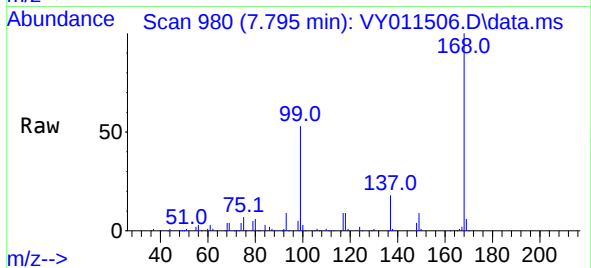




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

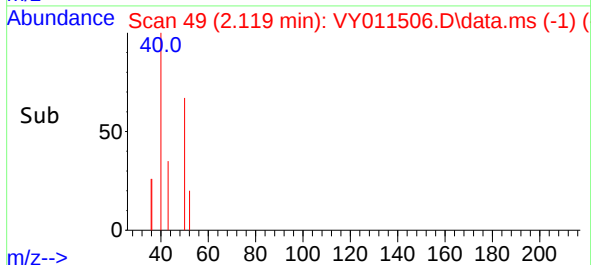
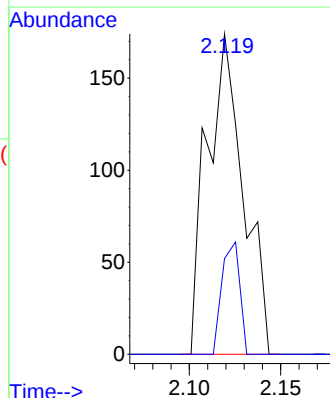
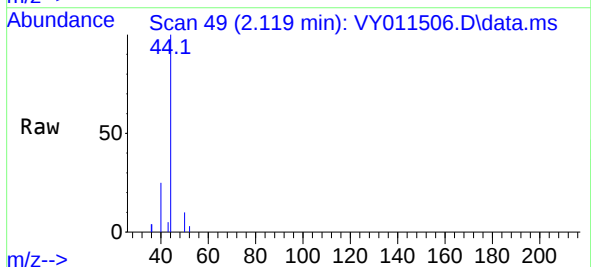
Instrument :
MSVOA_Y
ClientSampleId :

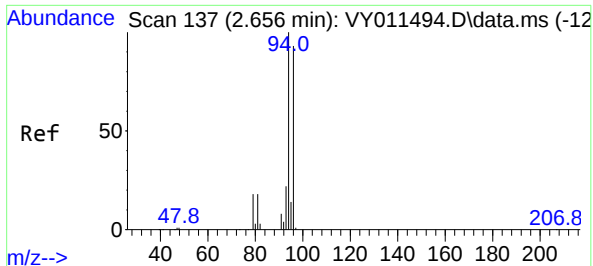
Tgt Ion:168 Resp: 188425
Ion Ratio Lower Upper
168 100
99 53.1 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

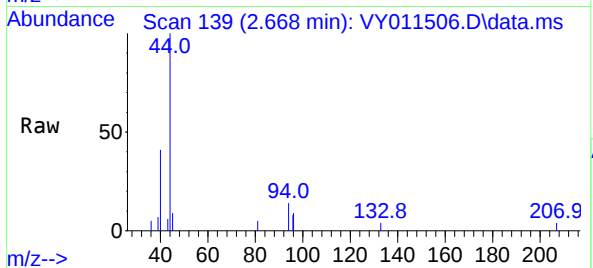
Tgt Ion: 50 Resp: 242
Ion Ratio Lower Upper
50 100
52 29.9 24.6 37.0



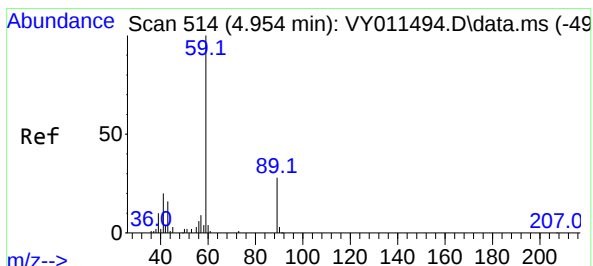
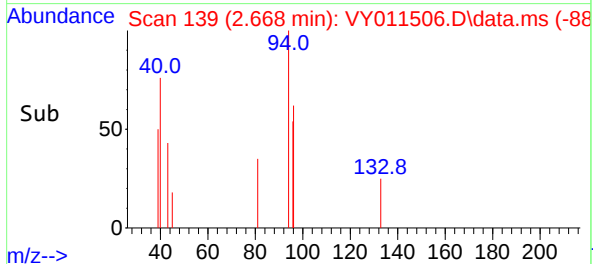
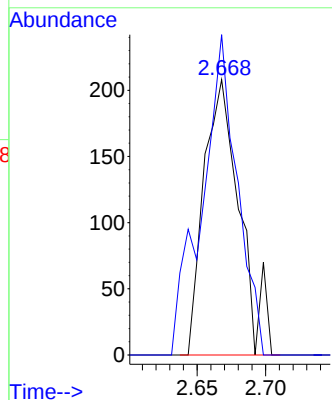


#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

Instrument :
MSVOA_Y
ClientSampleId :

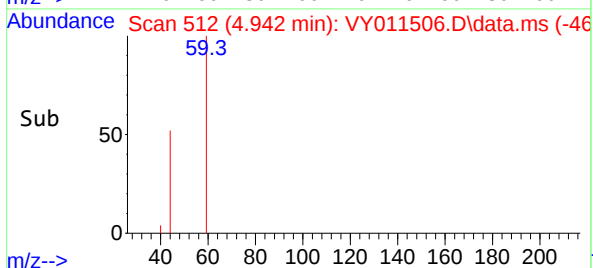
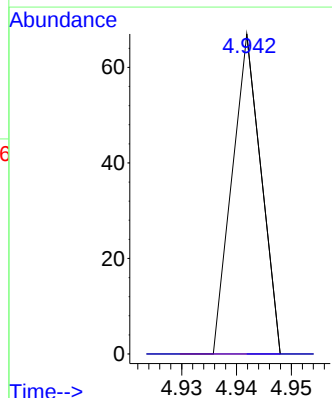
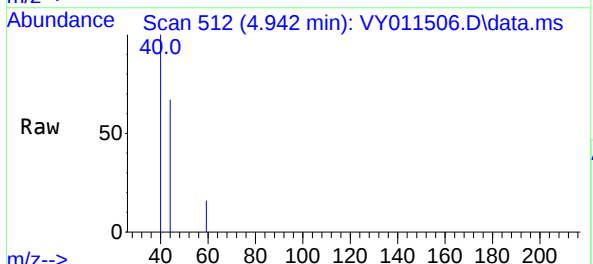


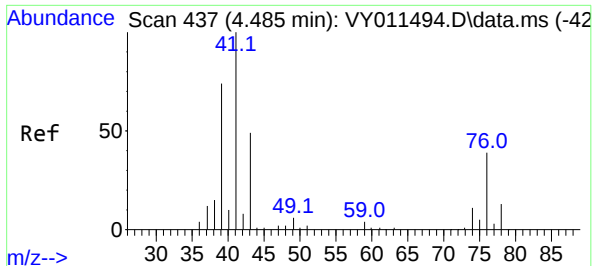
Tgt Ion: 94 Resp: 379
Ion Ratio Lower Upper
94 100
96 116.3 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

Tgt Ion: 59 Resp: 24
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

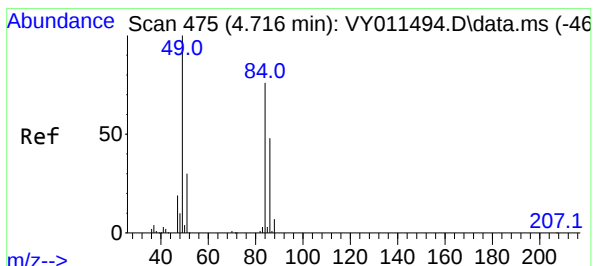
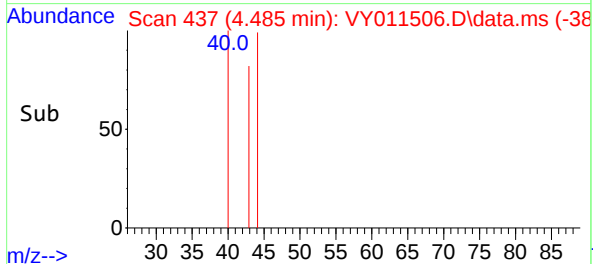
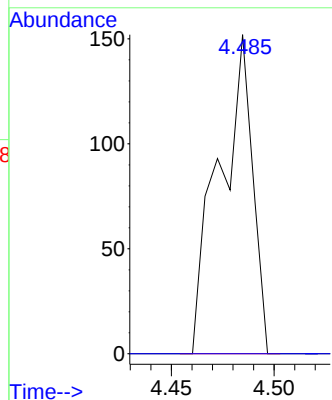
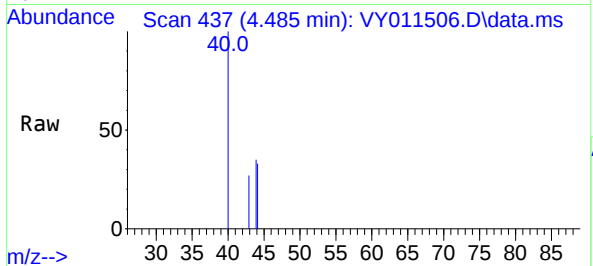




#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

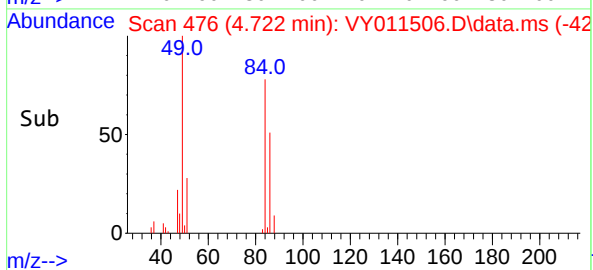
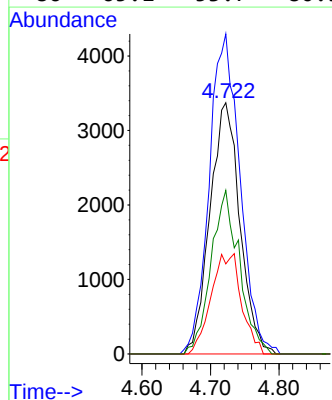
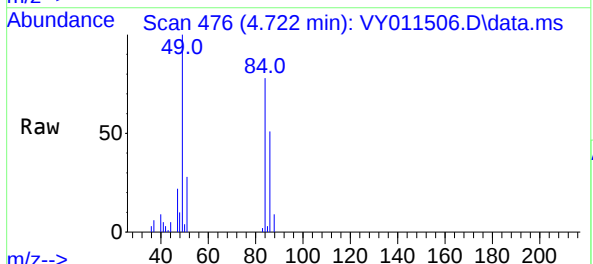
Instrument :
MSVOA_Y
ClientSampleId :

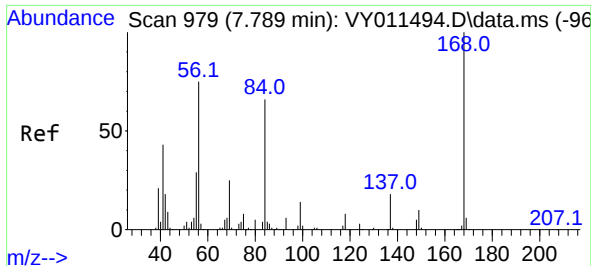
Tgt Ion: 43 Resp: 172
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

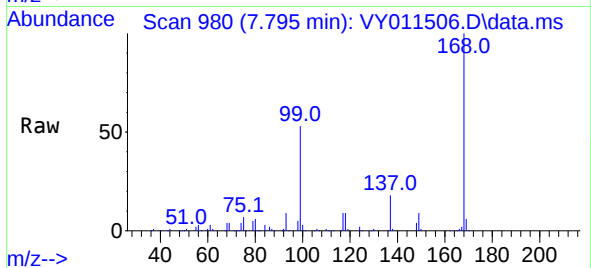
Tgt Ion: 84 Resp: 10227
Ion Ratio Lower Upper
84 100
49 127.4 114.4 171.6
51 35.9 35.3 52.9
86 65.1 53.7 80.5



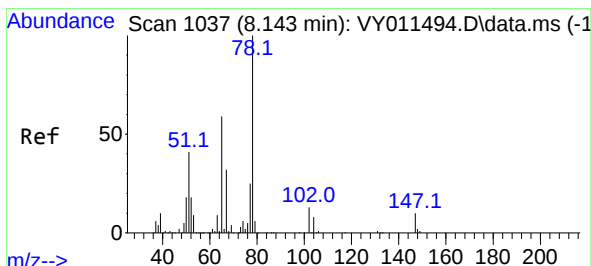
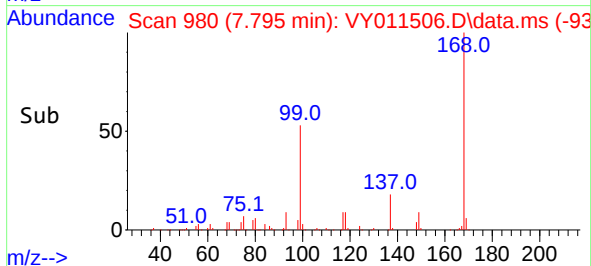
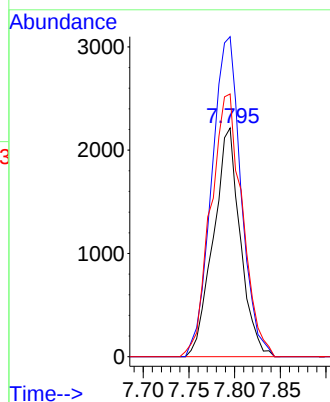


#31
Cyclohexane
Concen: 1.429 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

Instrument :
MSVOA_Y
ClientSampleId :

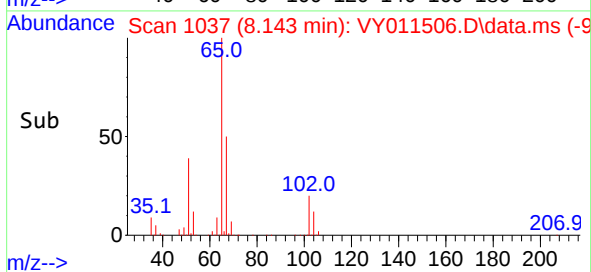
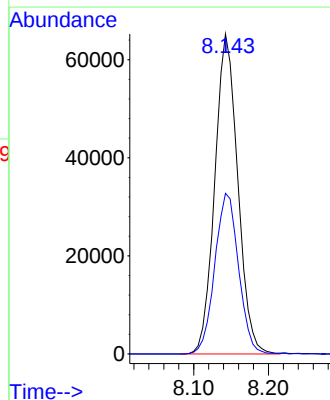
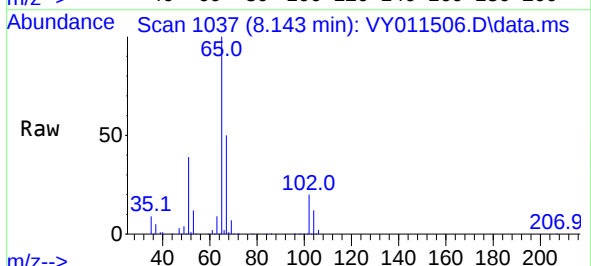


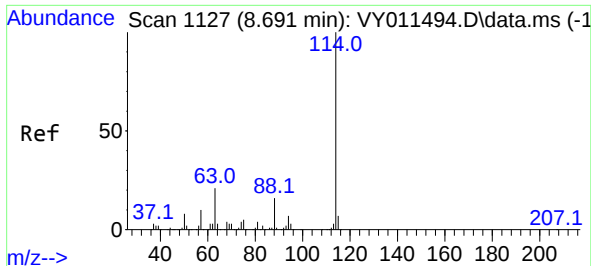
Tgt Ion: 56 Resp: 4531
Ion Ratio Lower Upper
56 100
69 139.9 26.7 40.1#
84 114.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 72.783 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

Tgt Ion: 65 Resp: 139253
Ion Ratio Lower Upper
65 100
67 52.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011506.D

Acq: 18 Nov 2022 17:00

Instrument :

MSVOA_Y

ClientSampleId :

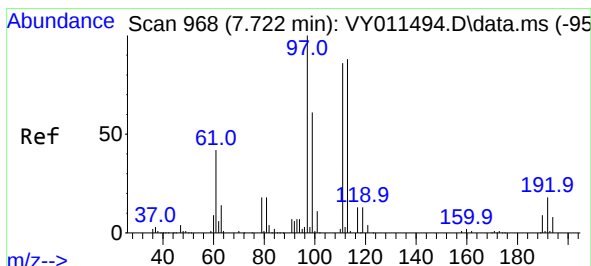
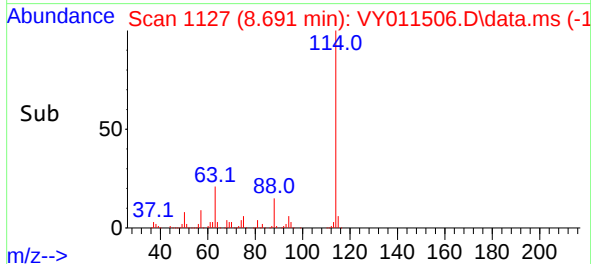
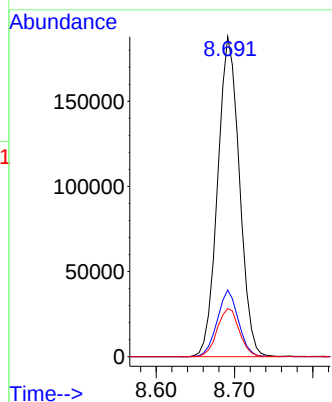
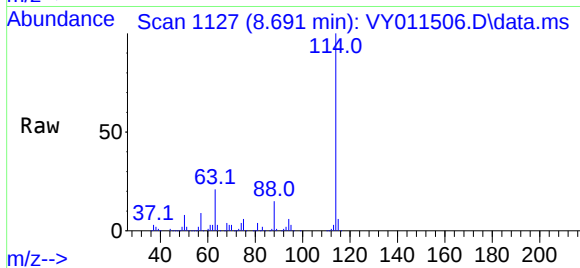
Tgt Ion:114 Resp: 363313

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.649 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY011506.D

Acq: 18 Nov 2022 17:00

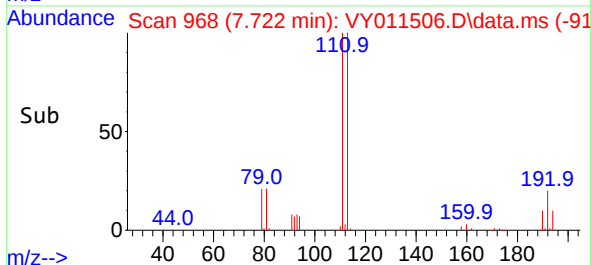
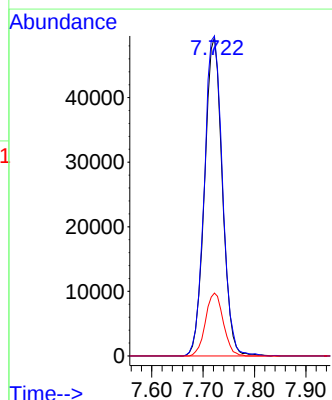
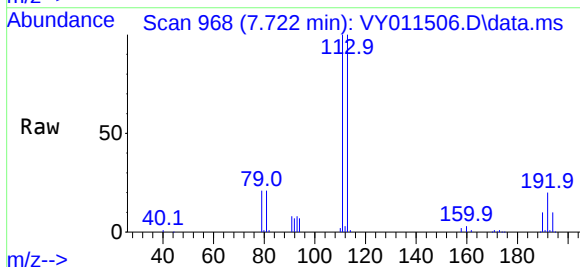
Tgt Ion:113 Resp: 117751

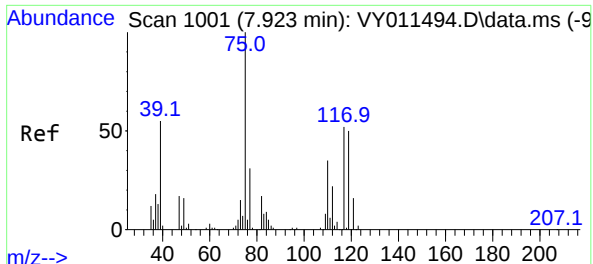
Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

192 19.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.312 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

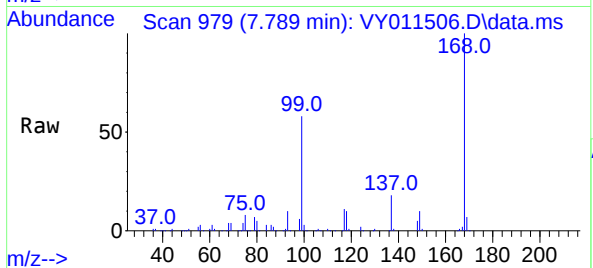
Lab File: VY011506.D

Acq: 18 Nov 2022 17:00

Instrument :

MSVOA_Y

ClientSampleId :



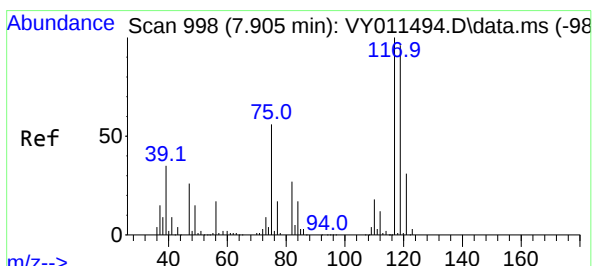
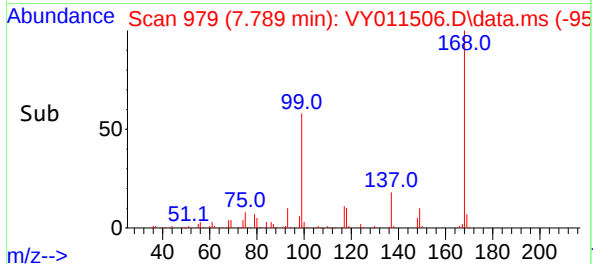
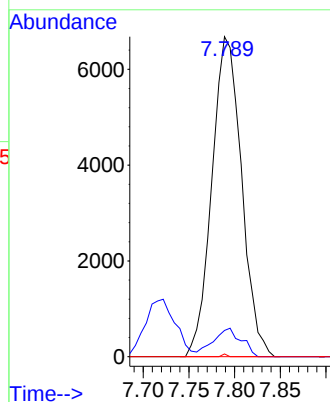
Tgt Ion: 75 Resp: 15075

Ion Ratio Lower Upper

75 100

110 8.4 17.1 51.2#

77 0.1 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.946 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011506.D

Acq: 18 Nov 2022 17:00

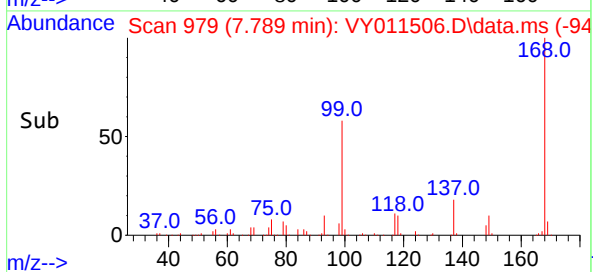
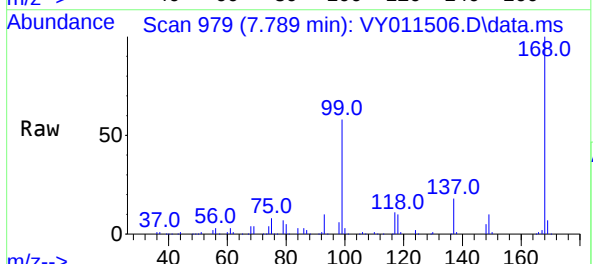
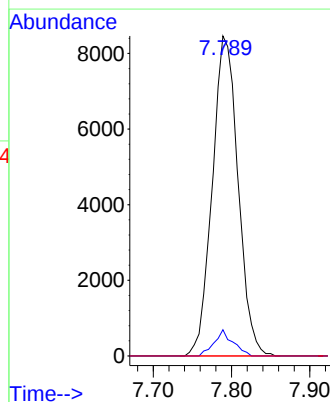
Tgt Ion: 117 Resp: 19344

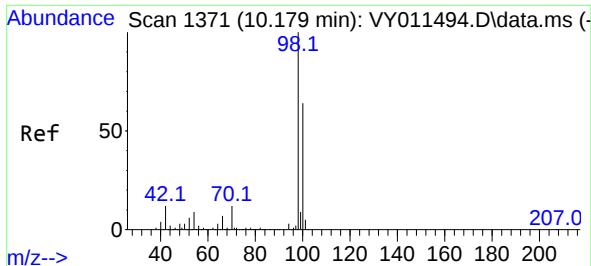
Ion Ratio Lower Upper

117 100

119 8.2 77.9 116.9#

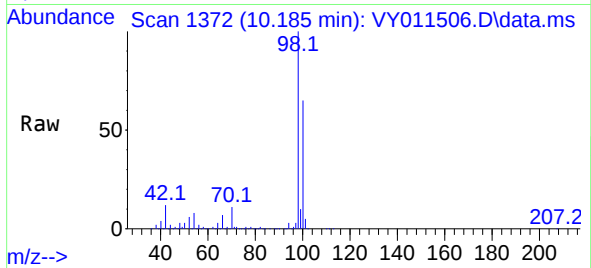
121 0.0 24.8 37.2#



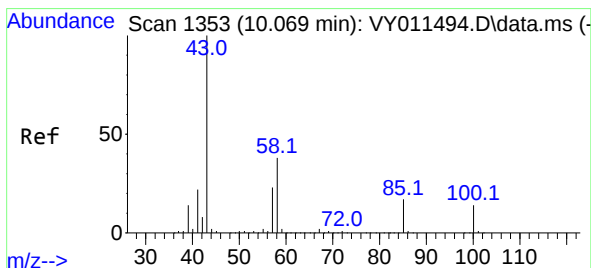
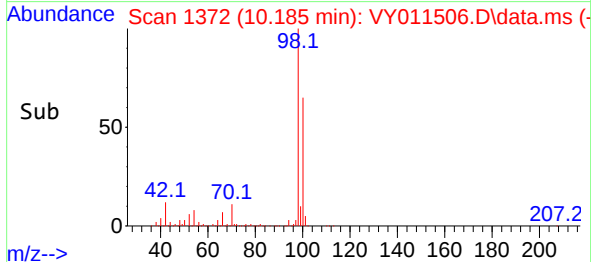
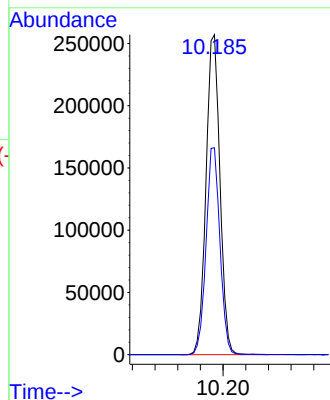


#50
Toluene-d8
Concen: 53.956 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

Instrument :
MSVOA_Y
ClientSampleId :

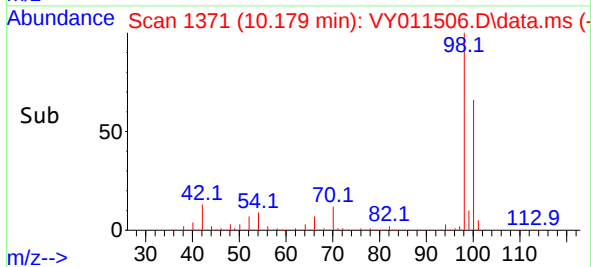
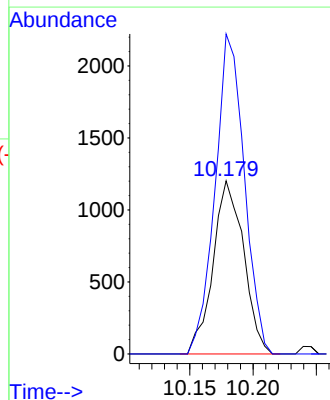
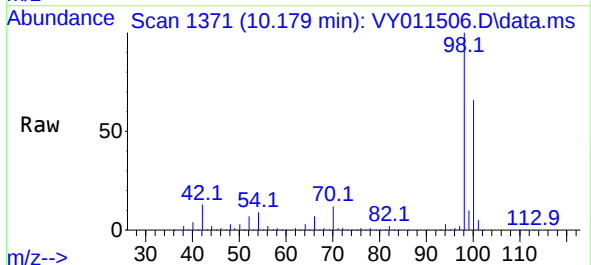


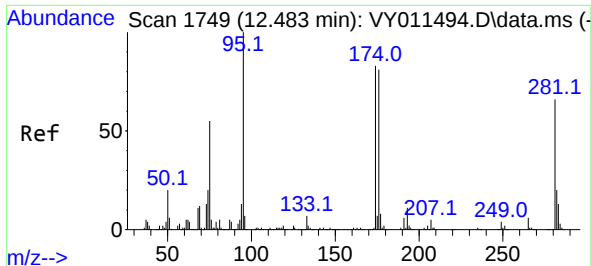
Tgt Ion: 98 Resp: 438520
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.012 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

Tgt Ion: 43 Resp: 2020
Ion Ratio Lower Upper
43 100
58 176.4 28.1 42.1#

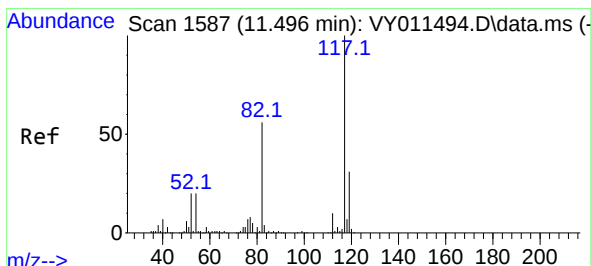
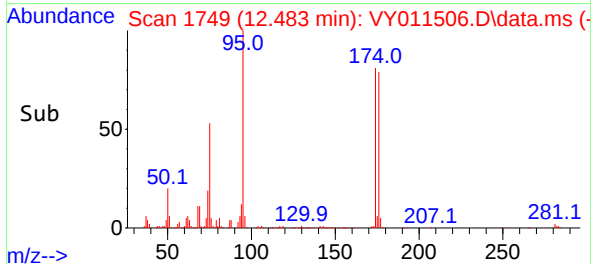
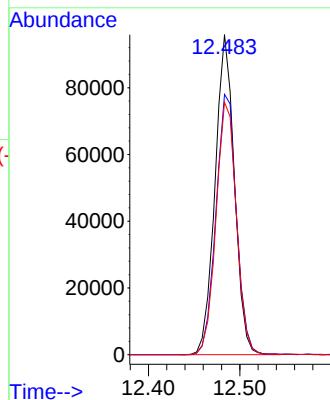
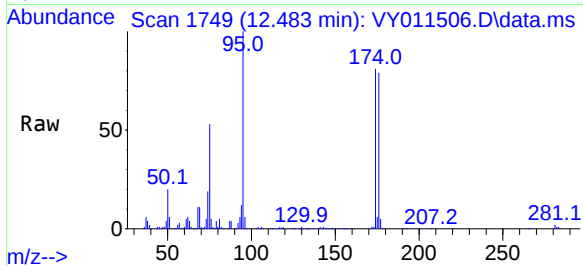




#62
4-Bromofluorobenzene
Concen: 46.923 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

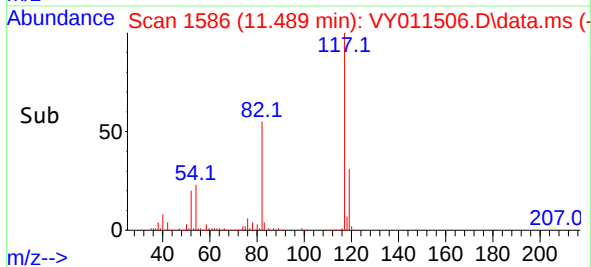
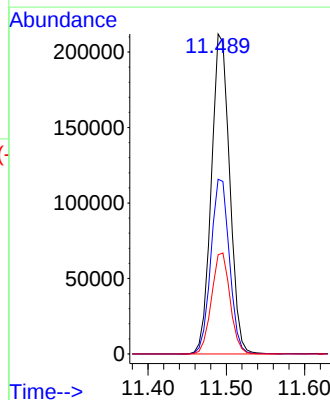
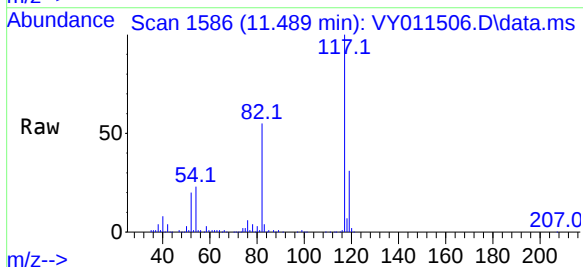
Instrument :
MSVOA_Y
ClientSampleId :

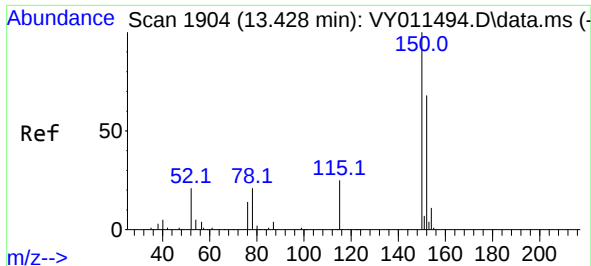
Tgt Ion: 95 Resp: 140999
Ion Ratio Lower Upper
95 100
174 85.9 0.0 177.0
176 83.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

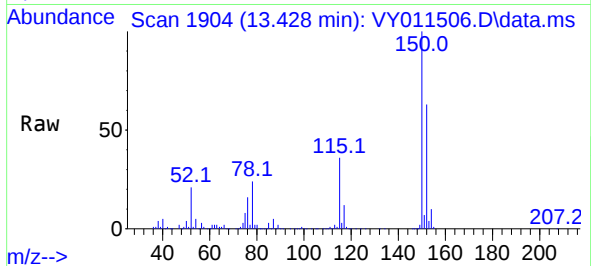
Tgt Ion: 117 Resp: 344005
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 31.0 25.4 38.0



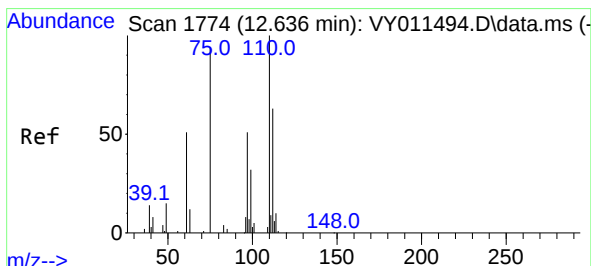
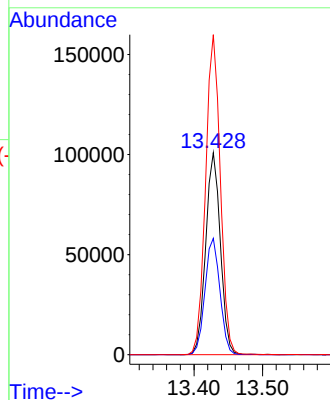
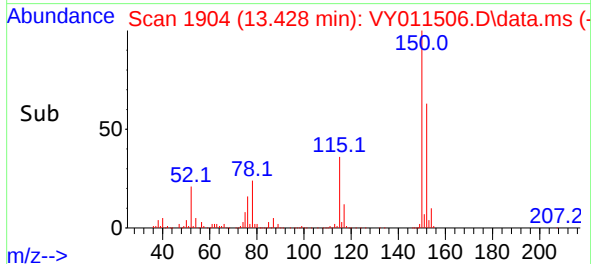


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

Instrument :
MSVOA_Y
ClientSampleId :

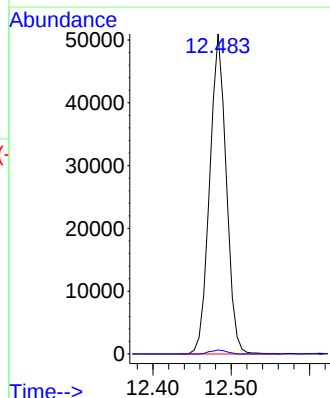
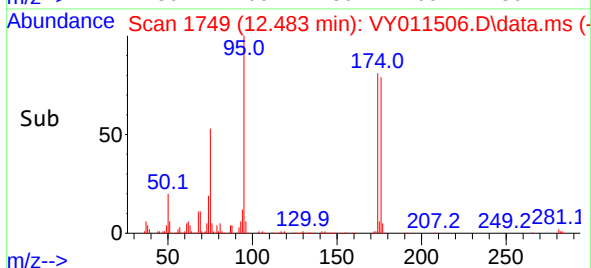
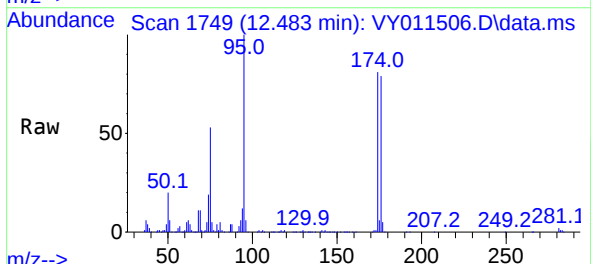


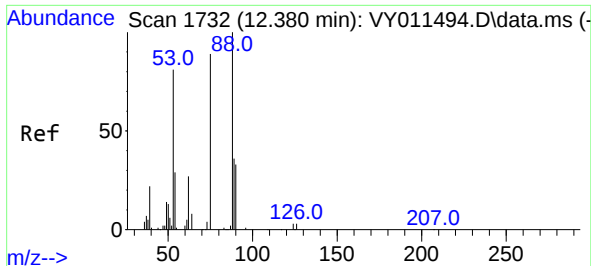
Tgt Ion:152 Resp: 150566
Ion Ratio Lower Upper
152 100
115 58.7 28.2 84.7
150 159.1 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 46.187 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

Tgt Ion: 75 Resp: 74892
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

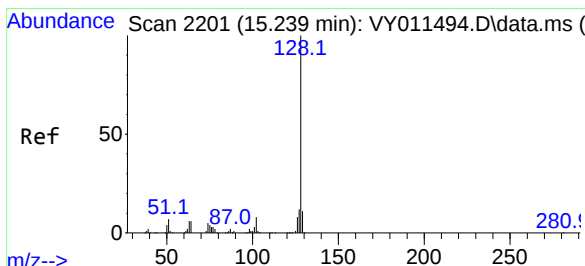
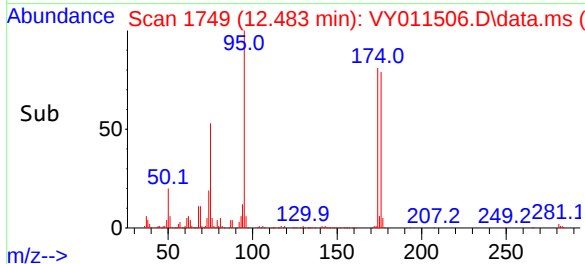
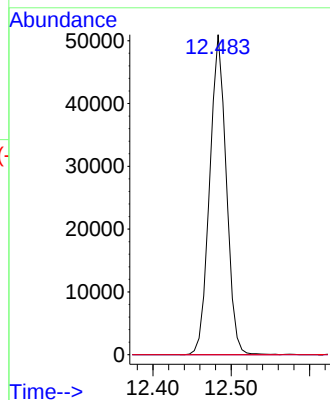
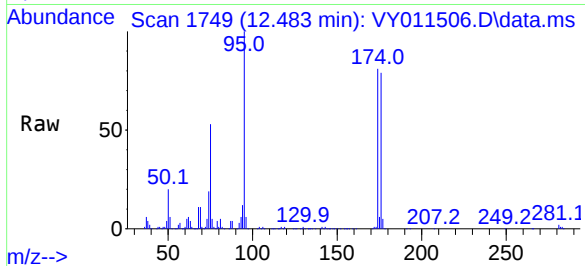




#81
trans-1,4-Dichloro-2-butene
Concen: 101.165 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 74892
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.102 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY011506.D
Acq: 18 Nov 2022 17:00

Tgt Ion:128 Resp: 472
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

