

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092722\
 Data File : VY010700.D
 Acq On : 27 Sep 2022 16:00
 Operator : KP/MD
 Sample : N4751-08
 Misc : 9.42g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 28 01:26:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

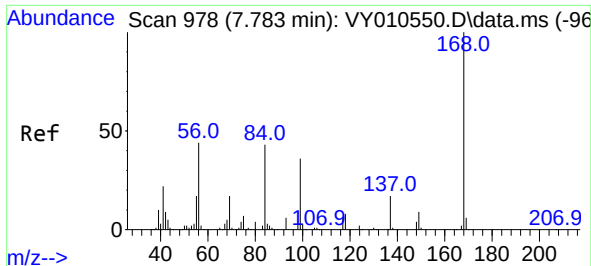
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	180089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	307632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	274439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	118202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	101461	58.903	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.800%
35) Dibromofluoromethane	7.716	113	102541	52.229	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.460%
50) Toluene-d8	10.179	98	336205	46.564	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.120%
62) 4-Bromofluorobenzene	12.477	95	109505	40.132	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.260%
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	457	Below Cal		96
4) Vinyl Chloride	2.394	62	47	Below Cal	#	43
5) Bromomethane	2.656	94	193	Below Cal	#	57
11) Tert butyl alcohol	4.936	59	218	Below Cal	#	77
16) Acetone	3.966	43	693	1.973 ug/l	#	47
17) Carbon Disulfide	4.204	76	127	Below Cal	#	75
18) Methyl Acetate	4.454	43	112	Below Cal	#	56
20) Methylene Chloride	4.710	84	16020	Below Cal	#	83
31) Cyclohexane	7.783	56	4103	Below Cal	#	2
36) 1,1-Dichloropropene	7.783	75	14457	6.609 ug/l	#	50
38) Carbon Tetrachloride	7.783	117	18471	7.343 ug/l	#	16
51) 4-Methyl-2-Pentanone	10.173	43	1456	1.113 ug/l	#	1
76) 1,2,3-Trichloropropane	12.477	75	58475	51.832 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58475	115.246 ug/l	#	7

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

Quant Time: Sep 28 01:26:21 2022
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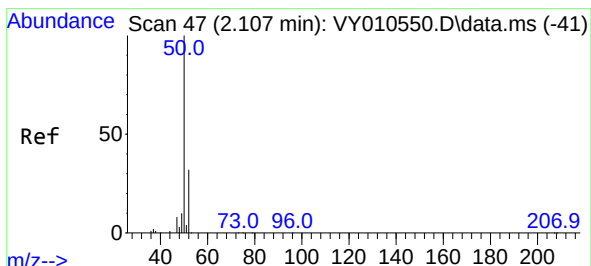
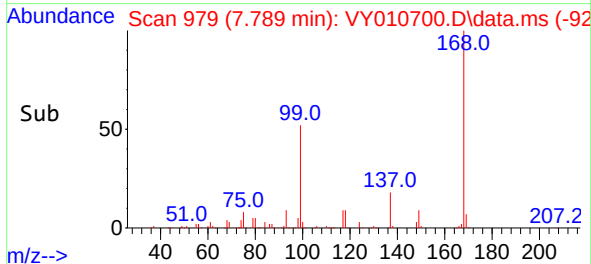
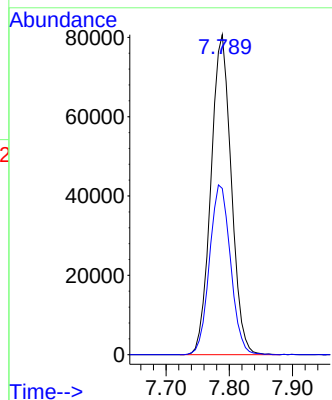
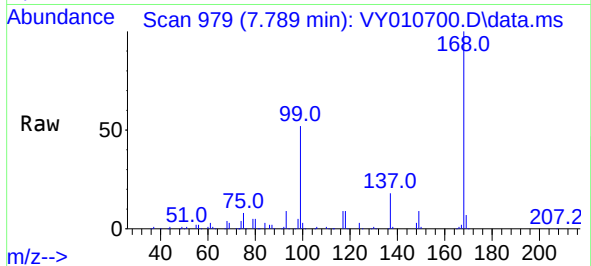




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

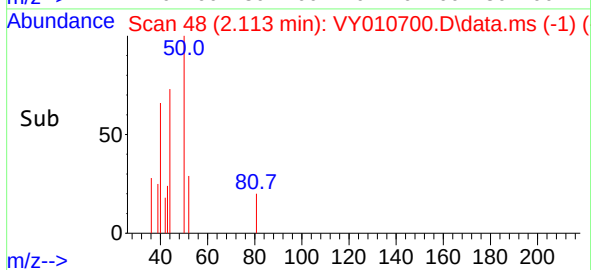
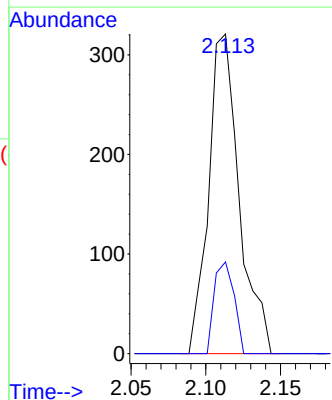
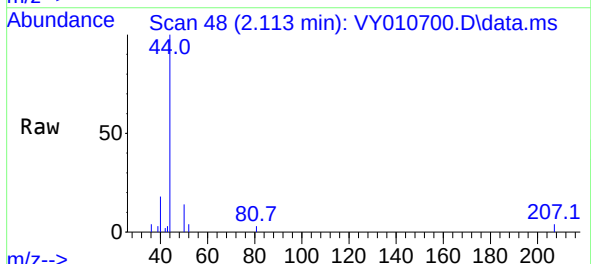
Instrument :
MSVOA_Y
ClientSampleId :

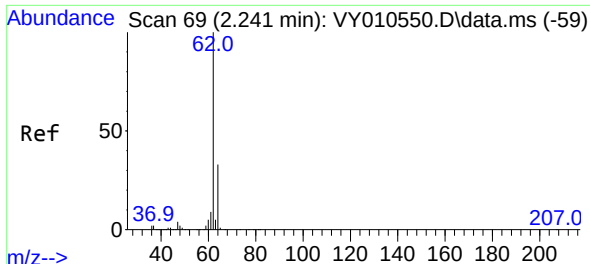
Tgt Ion:168 Resp: 180089
Ion Ratio Lower Upper
168 100
99 52.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

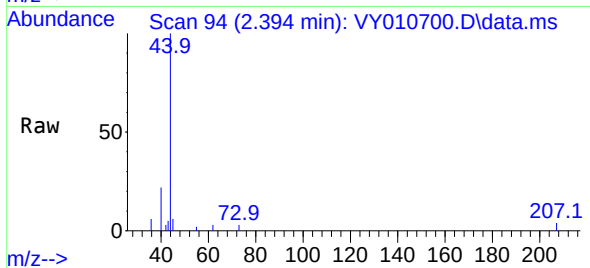
Tgt Ion: 50 Resp: 457
Ion Ratio Lower Upper
50 100
52 28.7 24.6 37.0



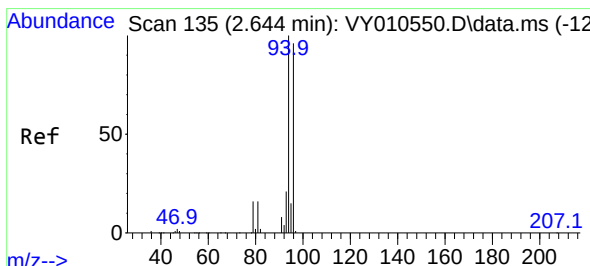
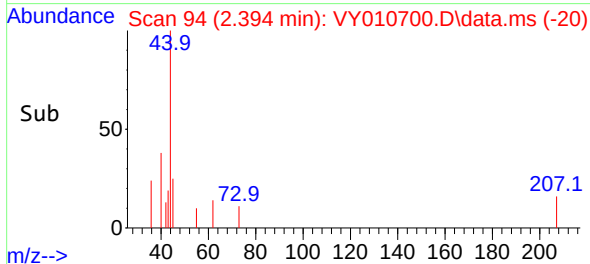
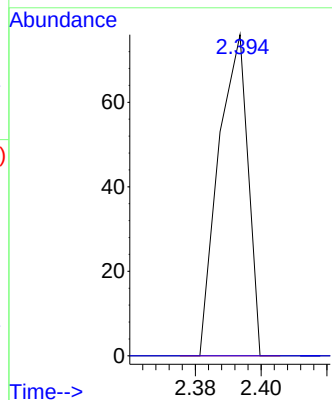


#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.394 min Scan# 94
 Delta R.T. 0.153 min
 Lab File: VY010700.D
 Acq: 27 Sep 2022 16:00

Instrument :
 MSVOA_Y
 ClientSampleId :

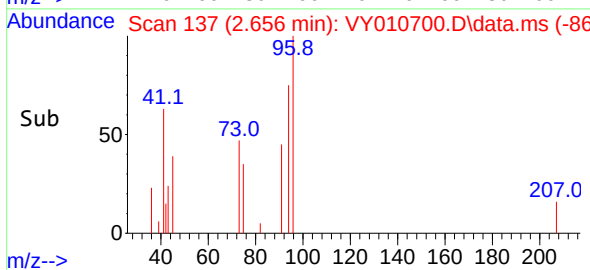
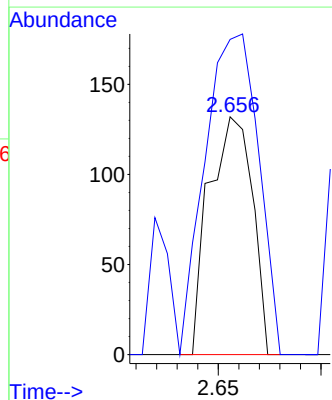
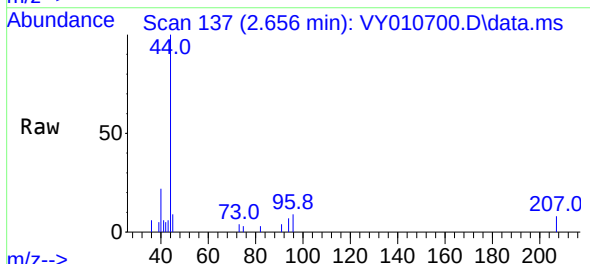


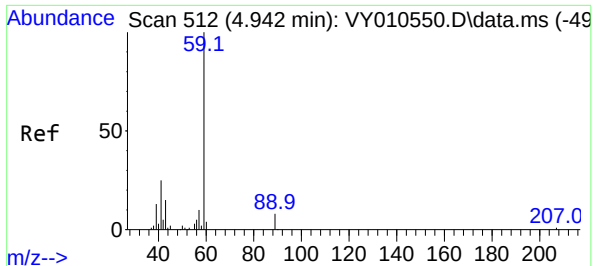
Tgt Ion: 62 Resp: 47
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.656 min Scan# 137
 Delta R.T. 0.012 min
 Lab File: VY010700.D
 Acq: 27 Sep 2022 16:00

Tgt Ion: 94 Resp: 193
 Ion Ratio Lower Upper
 94 100
 96 132.6 73.5 110.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 51

Delta R.T. -0.006 min

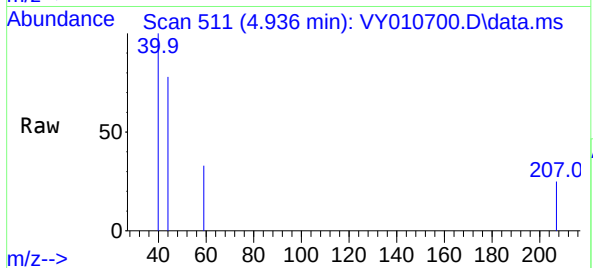
Lab File: VY010700.D

Acq: 27 Sep 2022 16:00

Instrument :

MSVOA_Y

ClientSampleId :

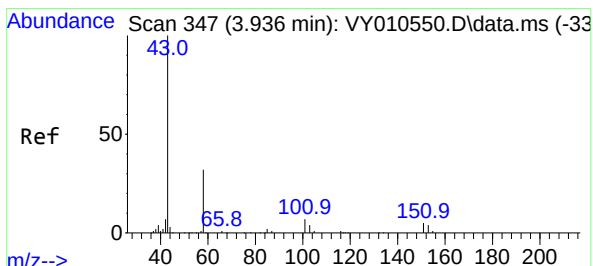
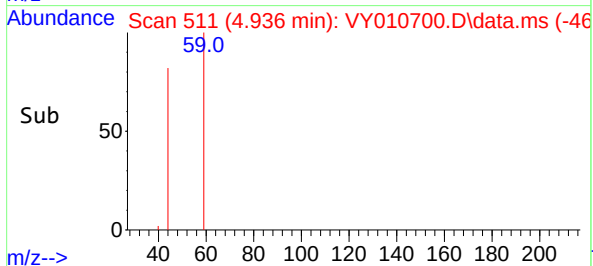
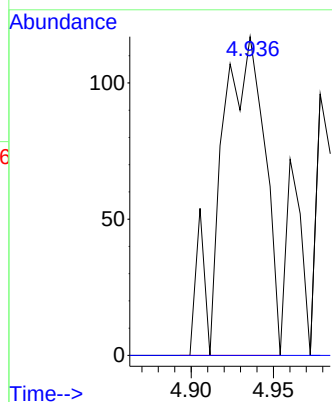


Tgt Ion: 59 Resp: 218

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.973 ug/l

RT: 3.966 min Scan# 352

Delta R.T. 0.030 min

Lab File: VY010700.D

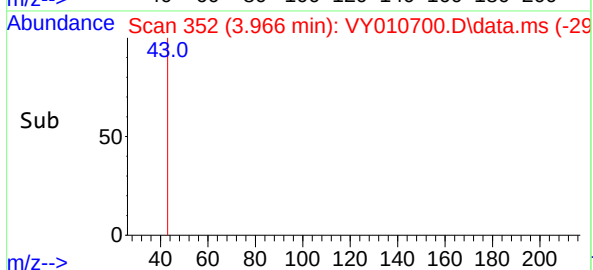
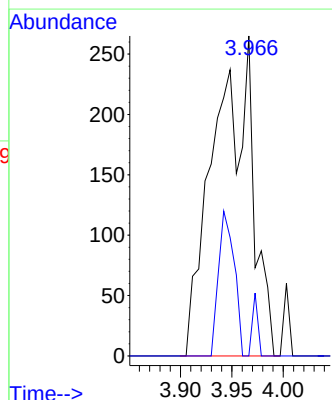
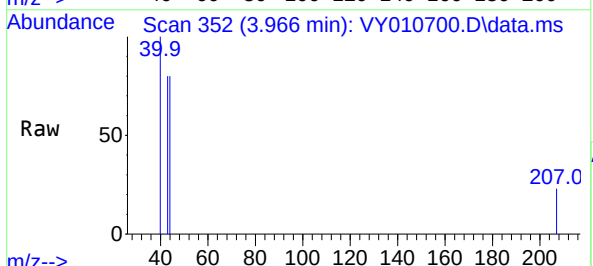
Acq: 27 Sep 2022 16:00

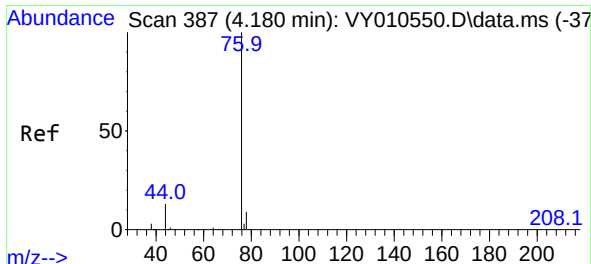
Tgt Ion: 43 Resp: 693

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#

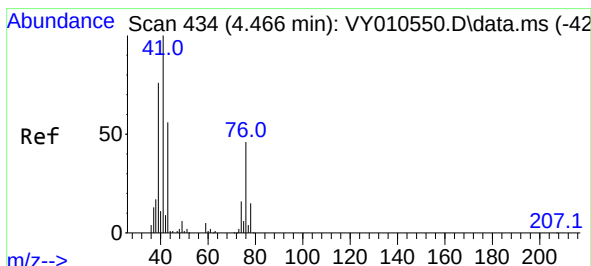
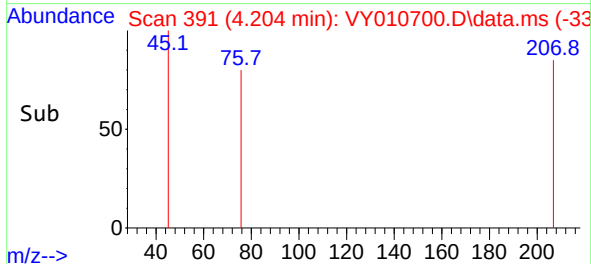
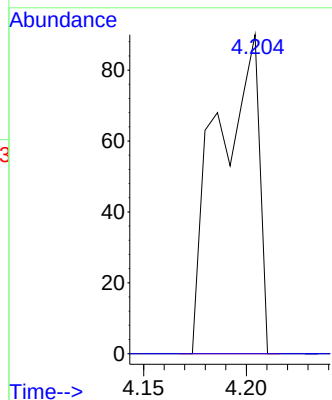
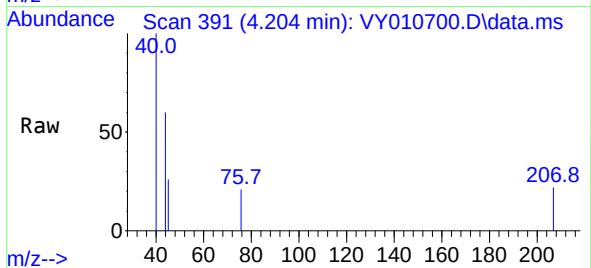




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.204 min Scan# 391
Delta R.T. 0.024 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

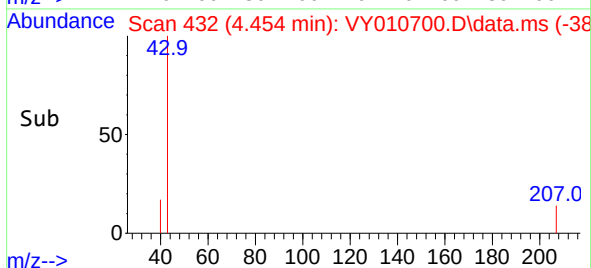
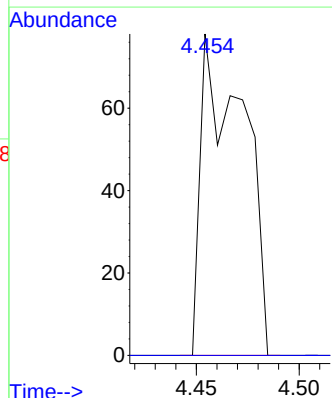
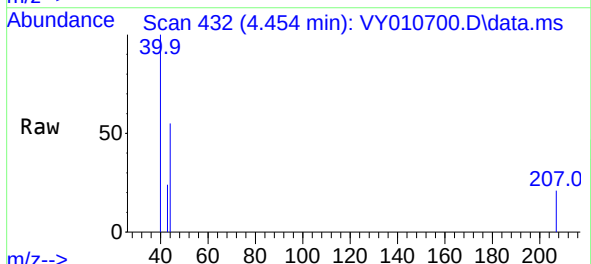
Instrument :
MSVOA_Y
ClientSampleId :

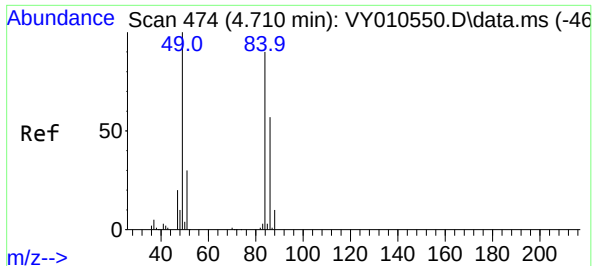
Tgt Ion: 76 Resp: 127
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.454 min Scan# 432
Delta R.T. -0.012 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

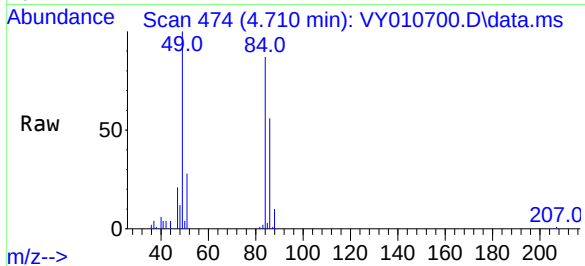
Tgt Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



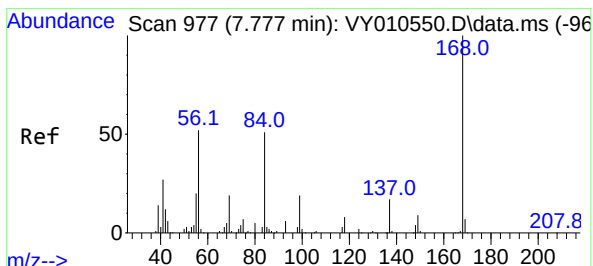
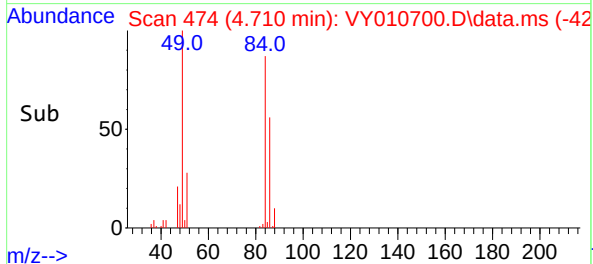
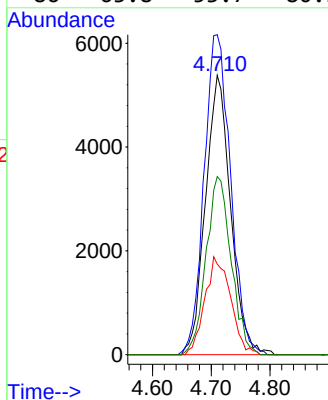


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

Instrument :
MSVOA_Y
ClientSampleId :

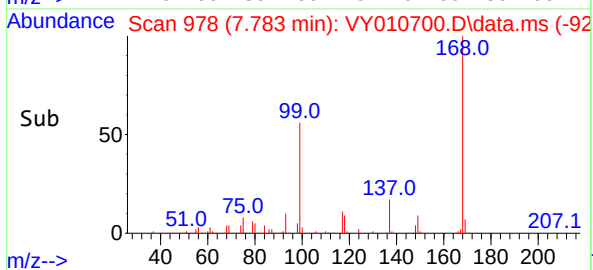
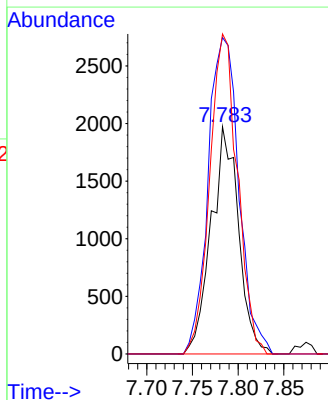
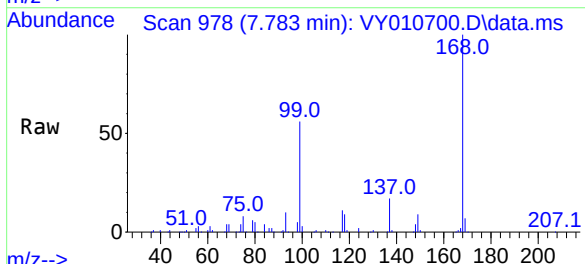


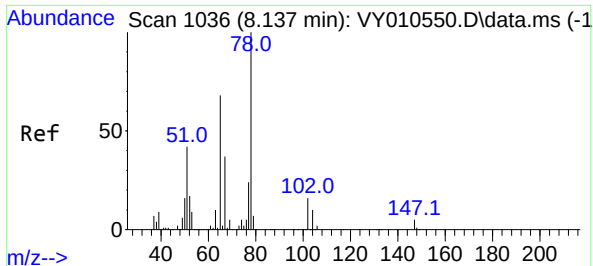
Tgt Ion: 84 Resp: 16020
Ion Ratio Lower Upper
84 100
49 114.6 114.4 171.6
51 32.4 35.3 52.9#
86 63.8 53.7 80.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

Tgt Ion: 56 Resp: 4103
Ion Ratio Lower Upper
56 100
69 139.2 26.7 40.1#
84 140.8 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 58.903 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010700.D

Acq: 27 Sep 2022 16:00

Instrument :

MSVOA_Y

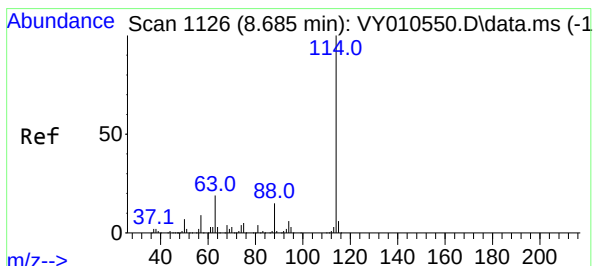
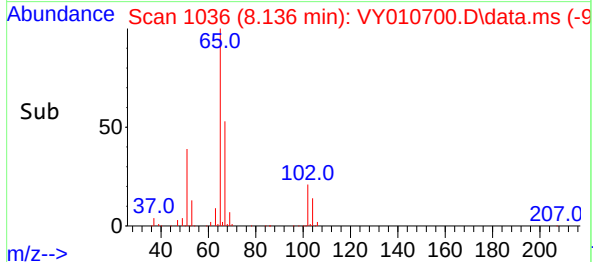
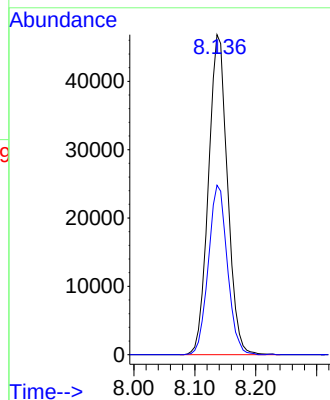
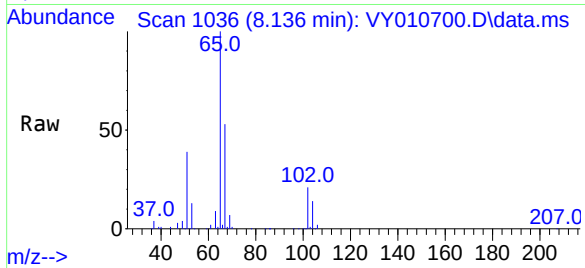
ClientSampleId :

Tgt Ion: 65 Resp: 101461

Ion Ratio Lower Upper

65 100

67 52.9 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: VY010700.D

Acq: 27 Sep 2022 16:00

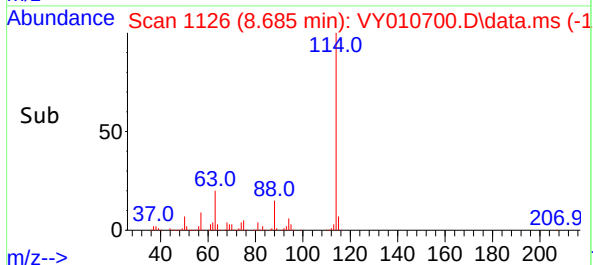
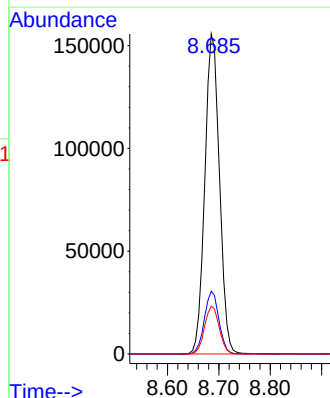
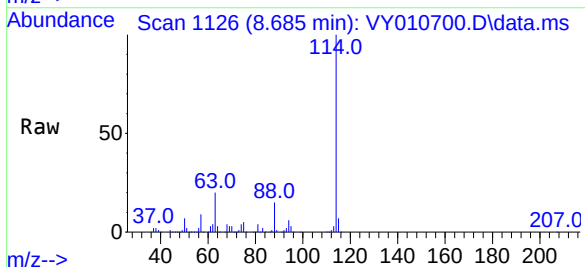
Tgt Ion:114 Resp: 307632

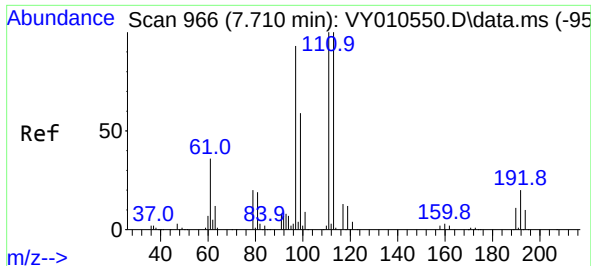
Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

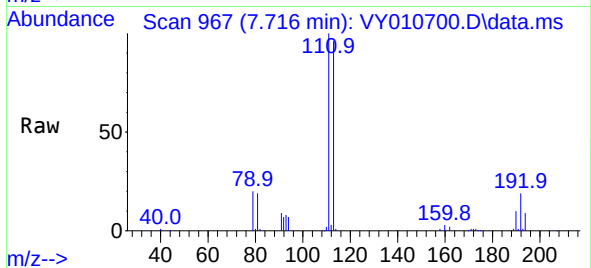
88 14.9 0.0 31.8



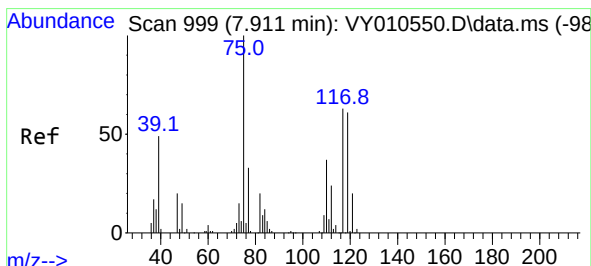
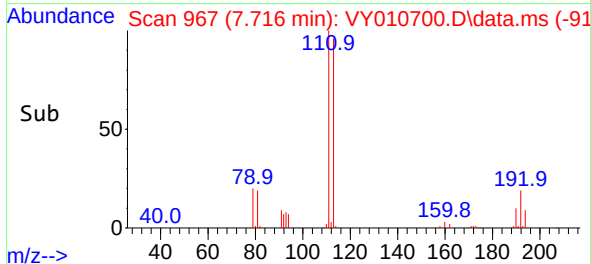
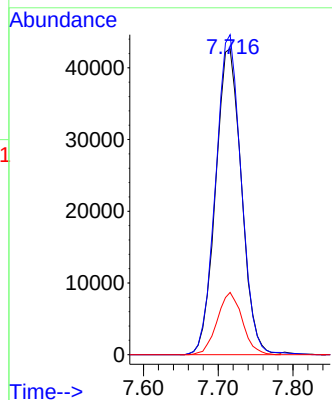


#35
Dibromofluoromethane
Concen: 52.229 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

Instrument :
MSVOA_Y
ClientSampleId :

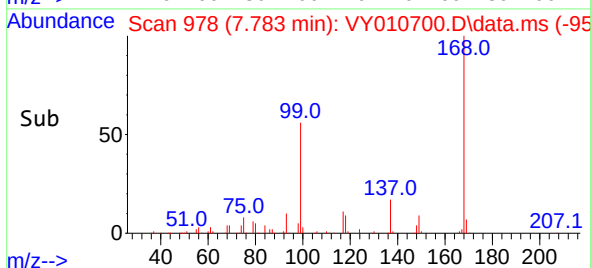
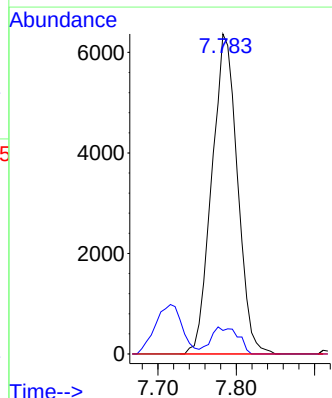
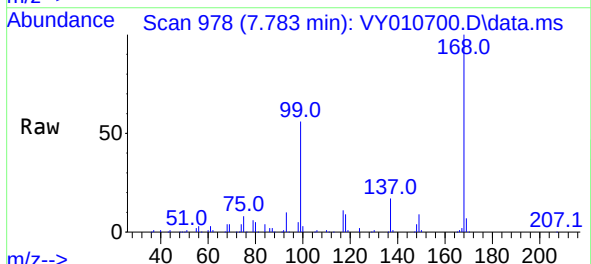


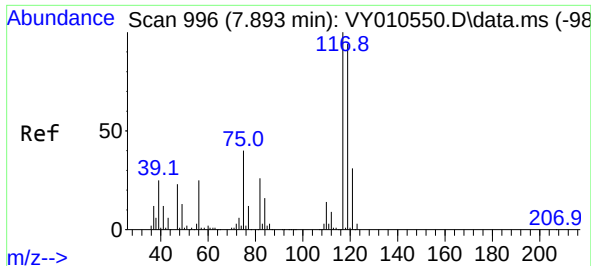
Tgt Ion: 113 Resp: 102541
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 19.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.609 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

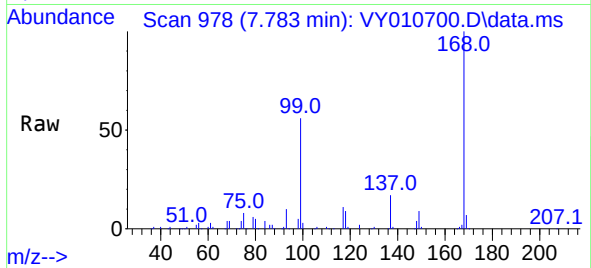
Tgt Ion: 75 Resp: 14457
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#



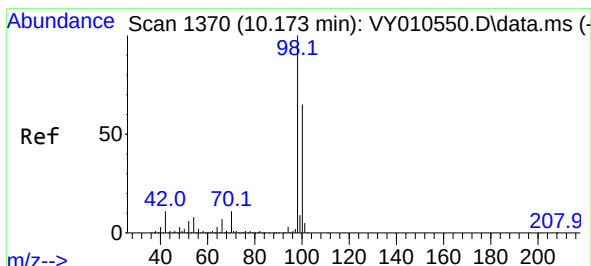
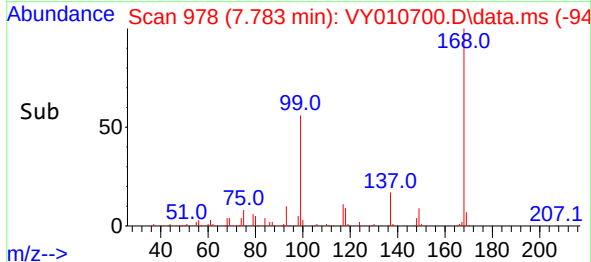
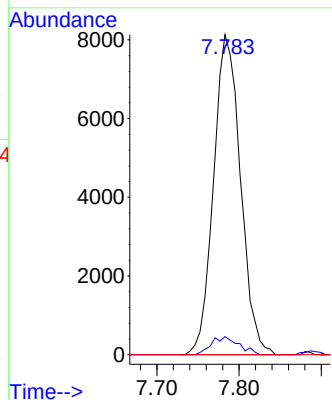


#38
Carbon Tetrachloride
Concen: 7.343 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

Instrument :
MSVOA_Y
ClientSampleId :

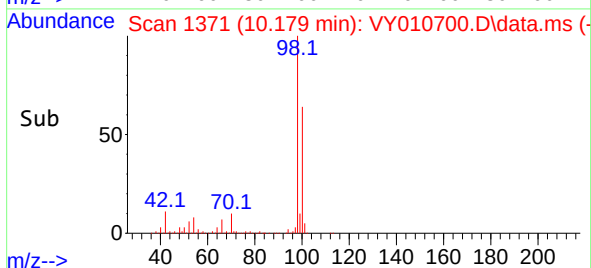
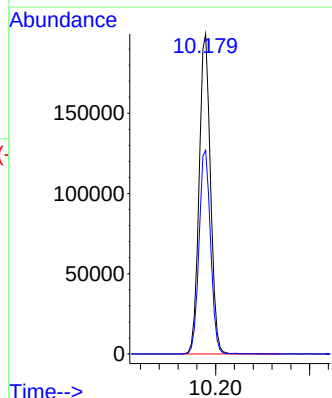
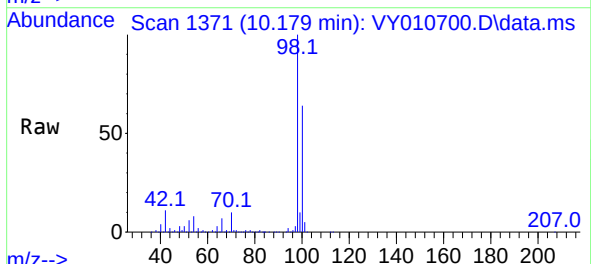


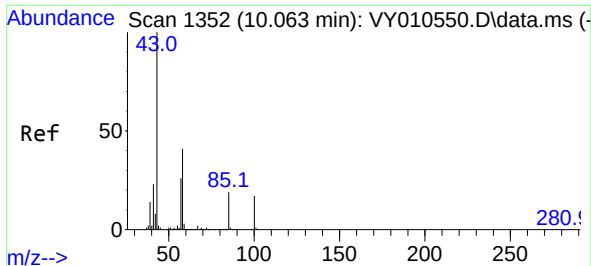
Tgt Ion:117 Resp: 18471
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.564 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

Tgt Ion: 98 Resp: 336205
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2

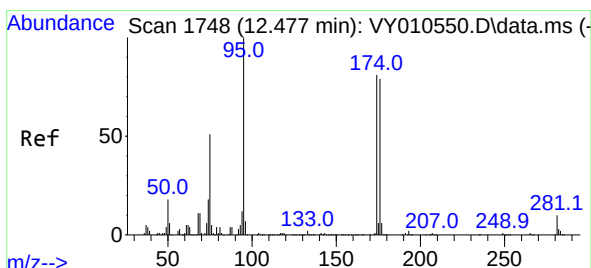
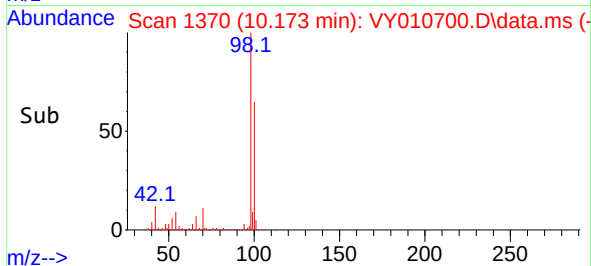
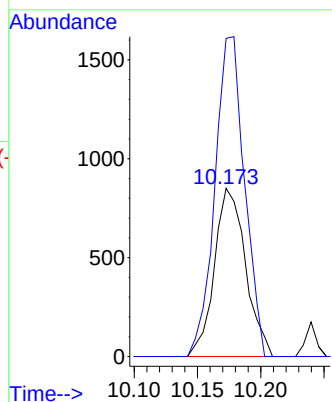
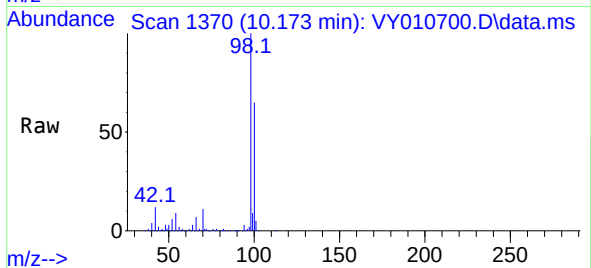




#51
4-Methyl-2-Pentanone
Concen: 1.113 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

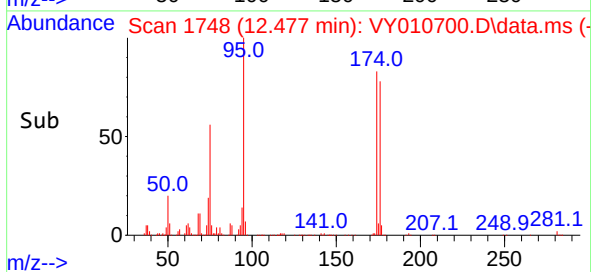
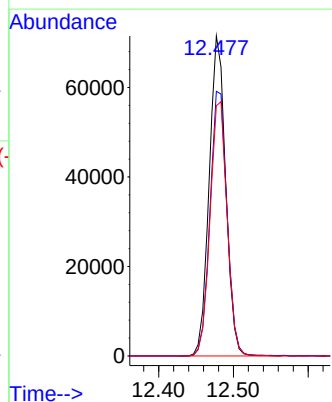
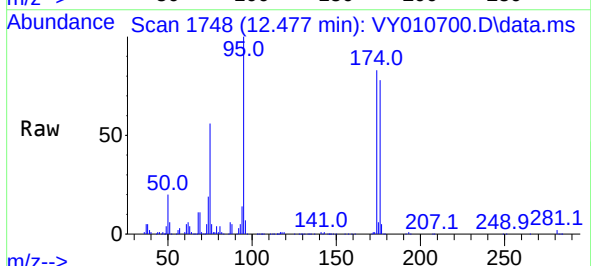
Instrument :
MSVOA_Y
ClientSampleId :

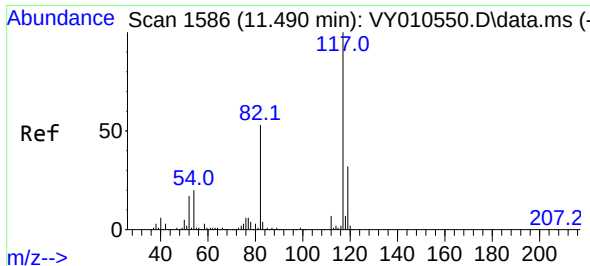
Tgt Ion: 43 Resp: 1456
Ion Ratio Lower Upper
43 100
58 180.8 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 40.132 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

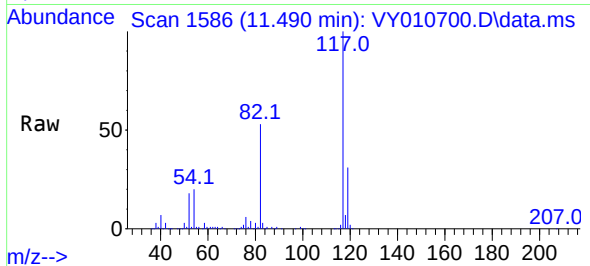
Tgt Ion: 95 Resp: 109505
Ion Ratio Lower Upper
95 100
174 85.5 0.0 177.0
176 82.1 0.0 175.8



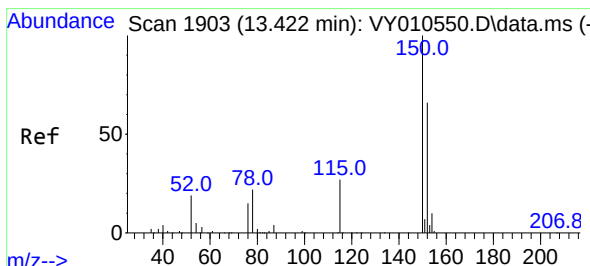
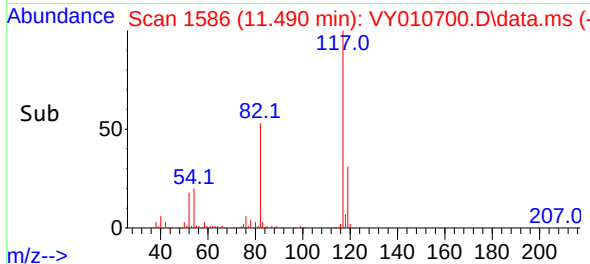
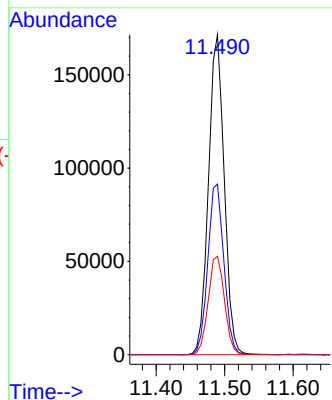


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

Instrument :
MSVOA_Y
ClientSampleId :

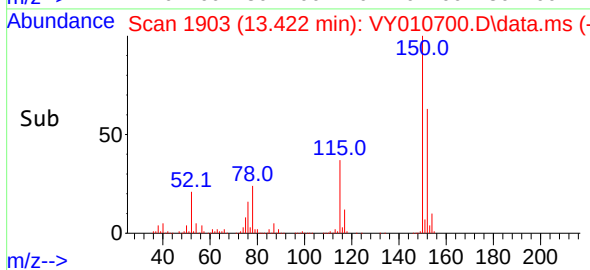
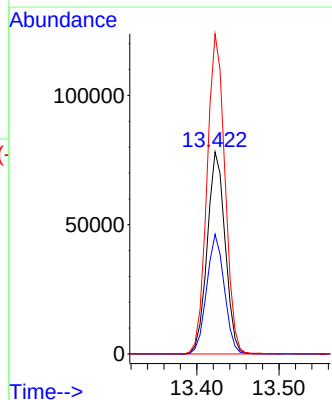
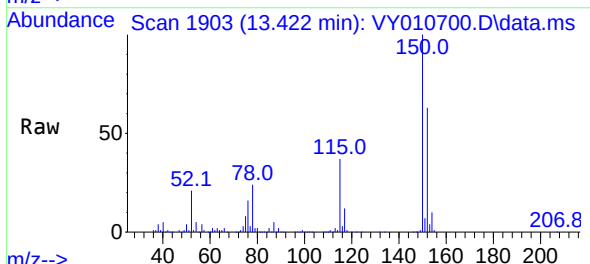


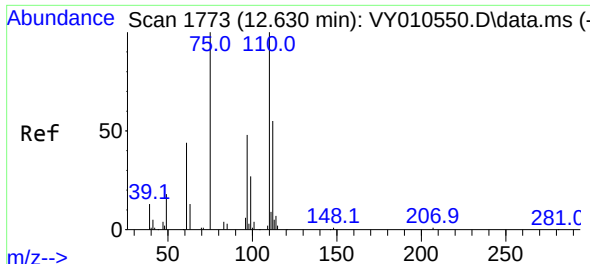
Tgt Ion:117 Resp: 274439
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 30.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

Tgt Ion:152 Resp: 118202
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 158.7 0.0 347.6

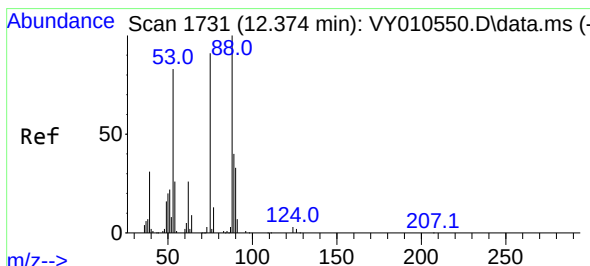
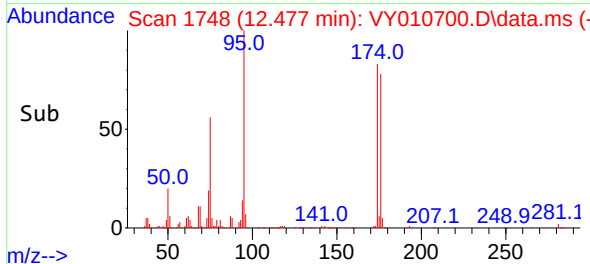
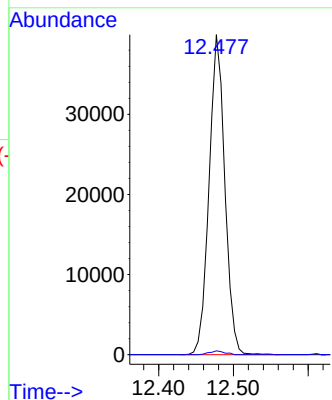
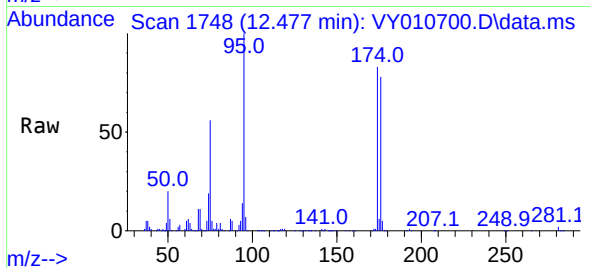




#76
1,2,3-Trichloropropane
Concen: 51.832 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 58475
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.246 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010700.D
Acq: 27 Sep 2022 16:00

Tgt Ion: 75 Resp: 58475
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

