

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100522\
 Data File : VY010824.D
 Acq On : 05 Oct 2022 16:46
 Operator : KP/MD
 Sample : N5004-04
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22010-8.5

Quant Time: Oct 06 09:21:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

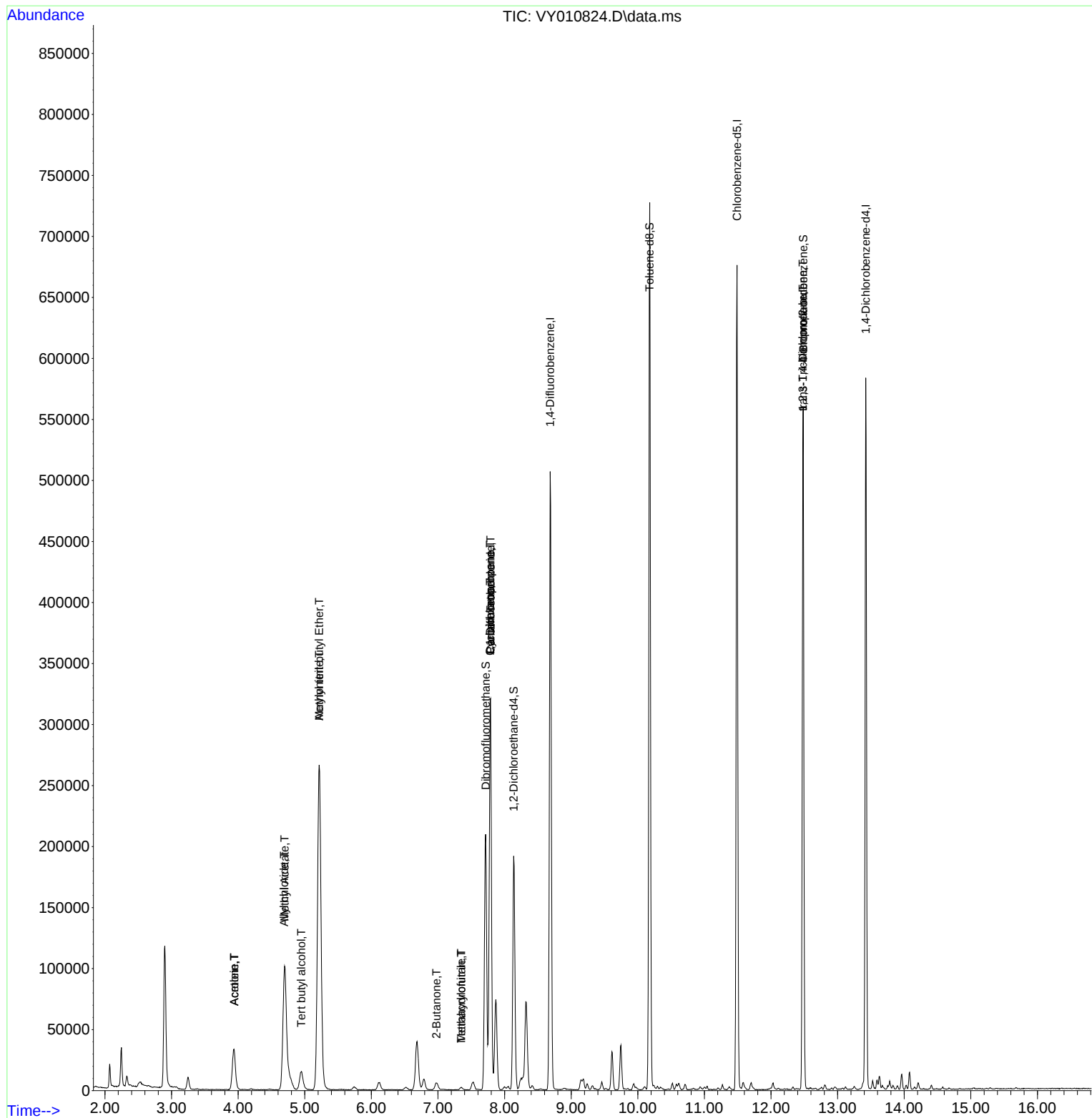
Internal Standards						
1) Pentafluorobenzene	7.789	168	247483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	428495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	358440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	145229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	142023	56.616	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.240%	
35) Dibromofluoromethane	7.716	113	148851	52.332	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.660%	
50) Toluene-d8	10.179	98	467024	48.011	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.020%	
62) 4-Bromofluorobenzene	12.483	95	158826	41.140	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.280%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.948	59	27324	80.217	ug/l #	94
13) Acrolein	3.942	56	7949	33.362	ug/l #	77
14) Allyl chloride	4.692	41	46404	13.249	ug/l #	59
15) Acrylonitrile	5.216	53	6537	9.974	ug/l #	35
16) Acetone	3.942	43	22221	34.878	ug/l #	67
18) Methyl Acetate	4.698	43	98875	60.755	ug/l #	56
19) Methyl tert-butyl Ether	5.216	73	438909	71.658	ug/l	96
20) Methylene Chloride	4.710	84	13024	Below Cal	#	74
25) 2-Butanone	6.978	43	4693	5.124	ug/l	97
29) Tetrahydrofuran	7.350	42	1611	2.991	ug/l	98
31) Cyclohexane	7.783	56	7449	1.659	ug/l #	13
36) 1,1-Dichloropropene	7.783	75	18982	4.623	ug/l #	50
38) Carbon Tetrachloride	7.789	117	24547	5.740	ug/l #	15
41) Methacrylonitrile	7.350	41	983	3.371	ug/l #	51
76) 1,2,3-Trichloropropane	12.477	75	83358	56.678	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	83358	118.396	ug/l #	7

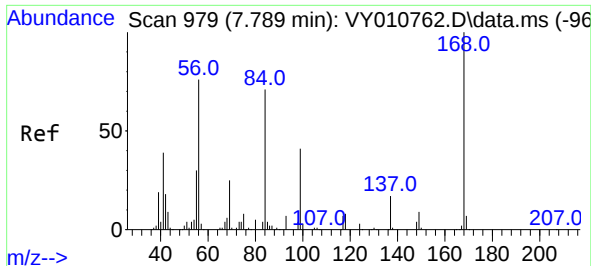
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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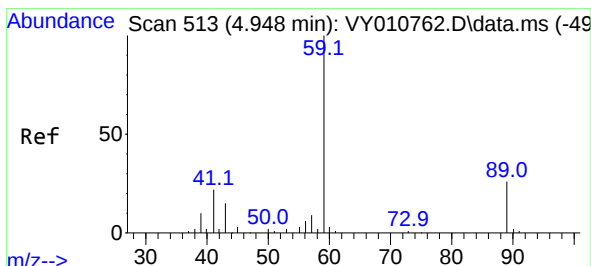
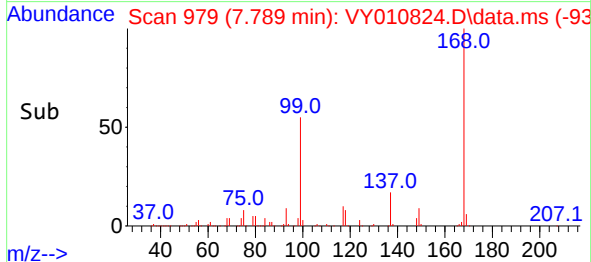
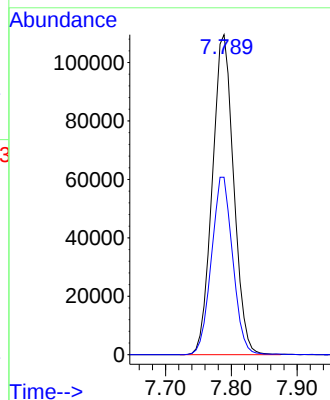
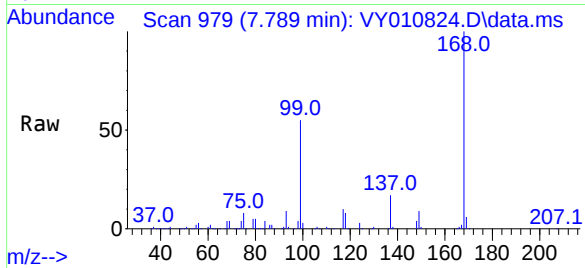




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

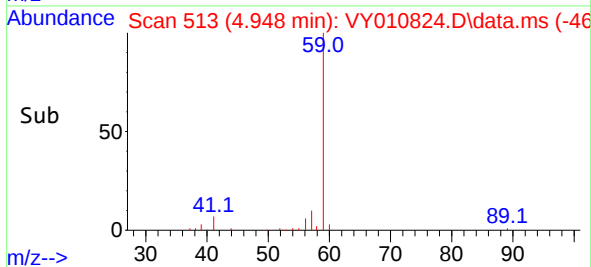
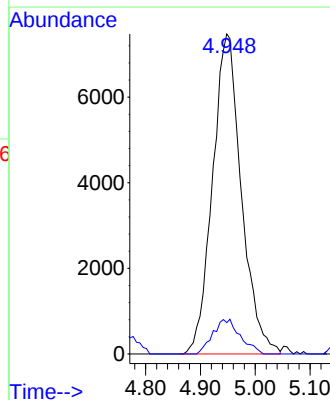
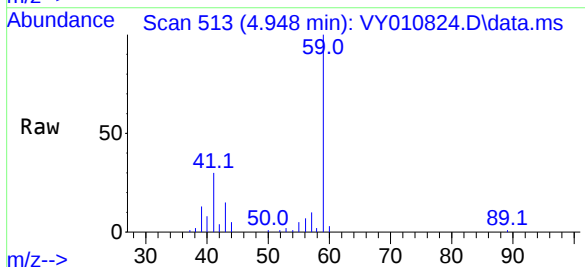
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MSVOA_Y
ClientSampleId :
D22010-8.5

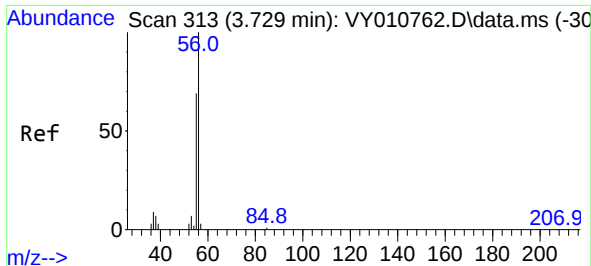
Tgt Ion:168 Resp: 247483
Ion Ratio Lower Upper
168 100
99 55.4 46.9 70.3



#11
Tert butyl alcohol
Concen: 80.217 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

Tgt Ion: 59 Resp: 27324
Ion Ratio Lower Upper
59 100
57 10.3 6.4 9.6#

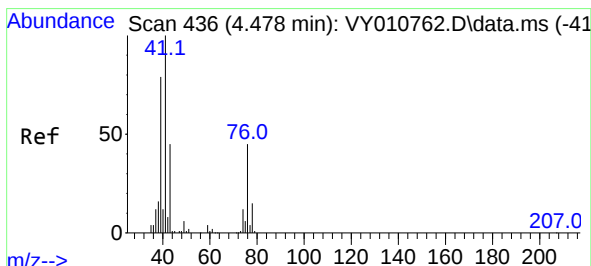
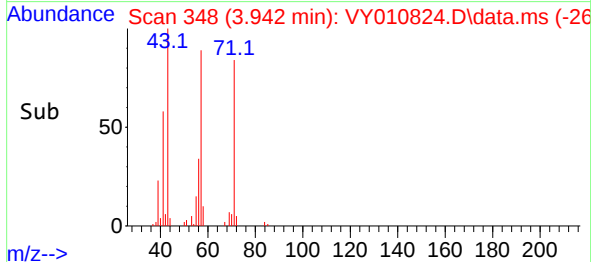
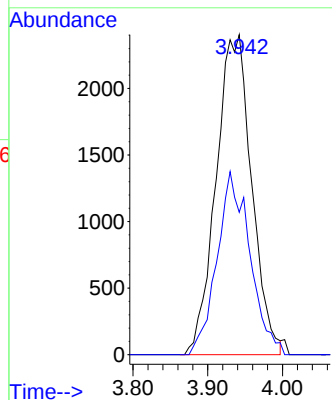
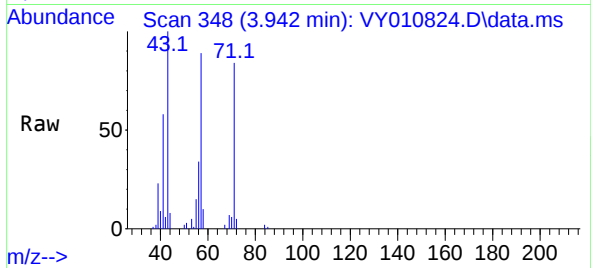




#13
Acrolein
Concen: 33.362 ug/l
RT: 3.942 min Scan# 341
Delta R.T. 0.213 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

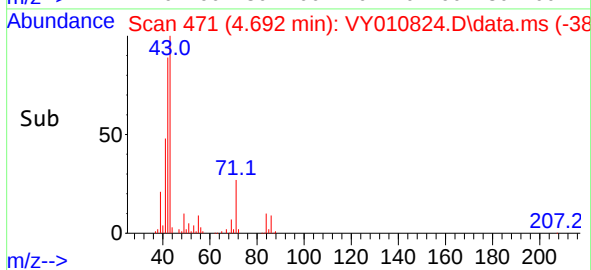
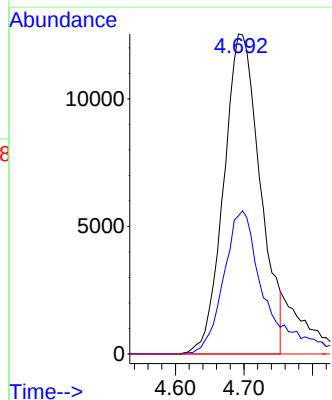
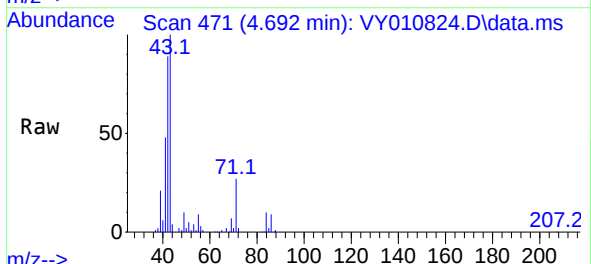
Instrument :
MSVOA_Y
ClientSampleId :
D22010-8.5

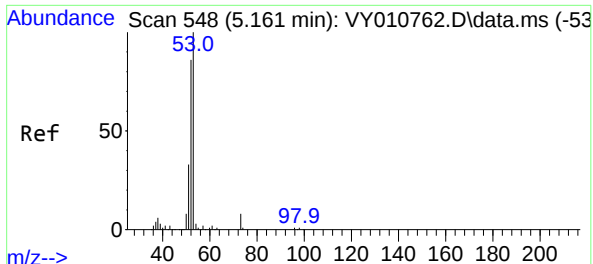
Tgt Ion: 56 Resp: 7949
Ion Ratio Lower Upper
56 100
55 52.9 57.6 86.4#



#14
Allyl chloride
Concen: 13.249 ug/l
RT: 4.692 min Scan# 471
Delta R.T. 0.214 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

Tgt Ion: 41 Resp: 46404
Ion Ratio Lower Upper
41 100
39 44.2 58.8 88.2#
76 0.0 25.1 37.7#

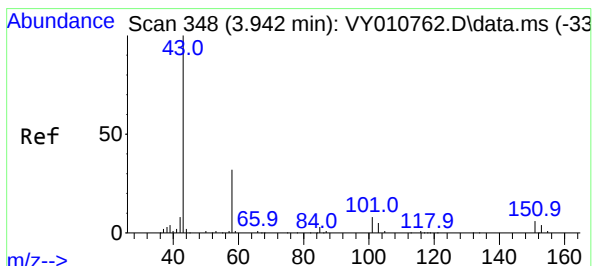
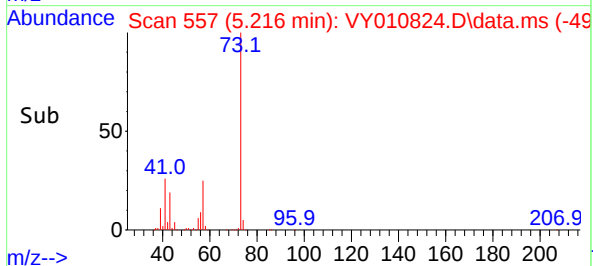
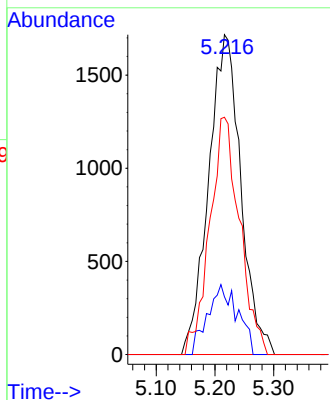
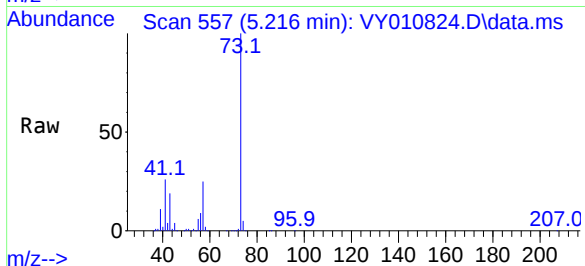




#15
Acrylonitrile
Concen: 9.974 ug/l
RT: 5.216 min Scan# 51
Delta R.T. 0.055 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

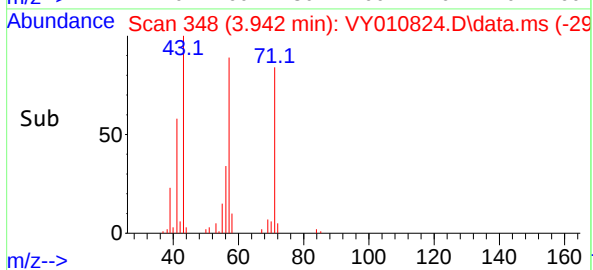
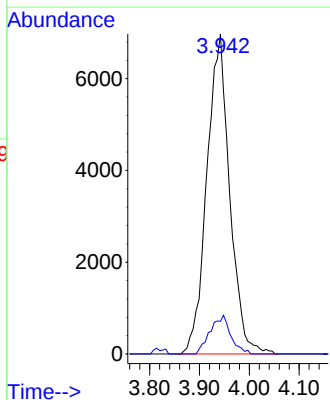
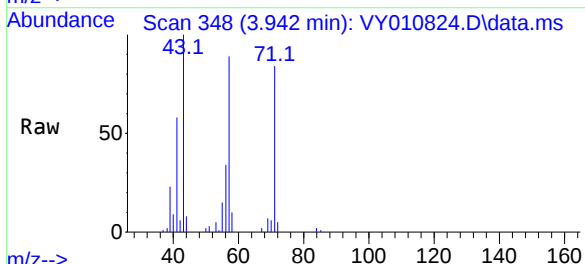
Instrument :
MSVOA_Y
ClientSampleId :
D22010-8.5

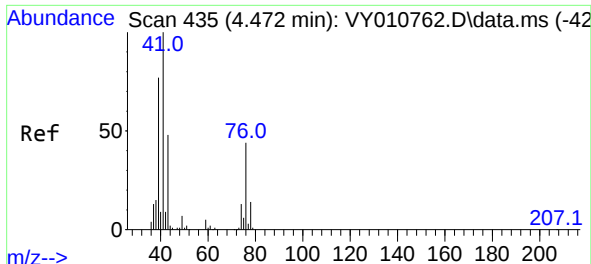
Tgt Ion: 53 Resp: 6537
Ion Ratio Lower Upper
53 100
52 20.3 67.0 100.4#
51 68.9 29.8 44.6#



#16
Acetone
Concen: 34.878 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

Tgt Ion: 43 Resp: 22221
Ion Ratio Lower Upper
43 100
58 10.2 22.0 33.0#

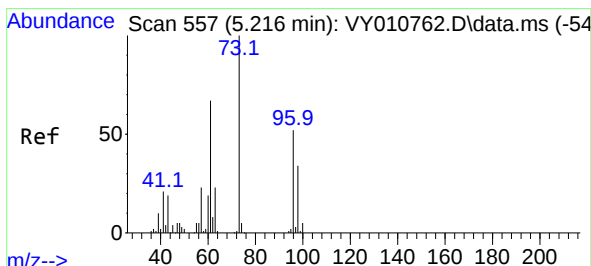
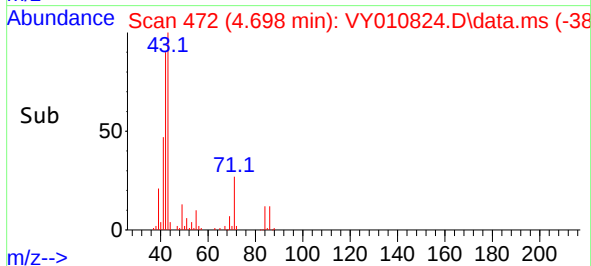
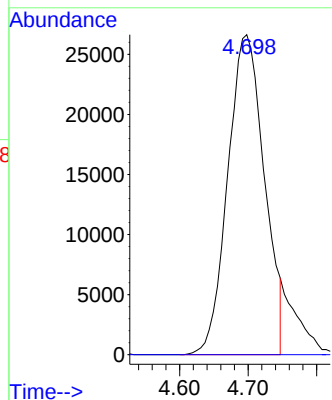
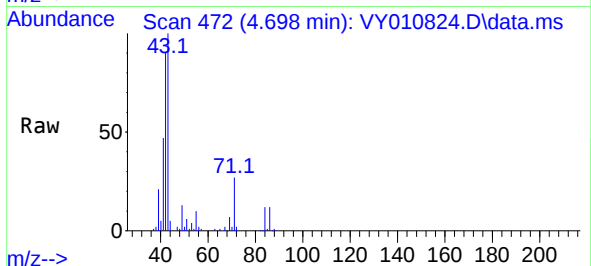




#18
Methyl Acetate
Concen: 60.755 ug/l
RT: 4.698 min Scan# 41
Delta R.T. 0.226 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

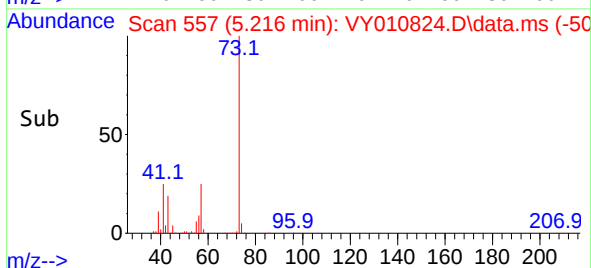
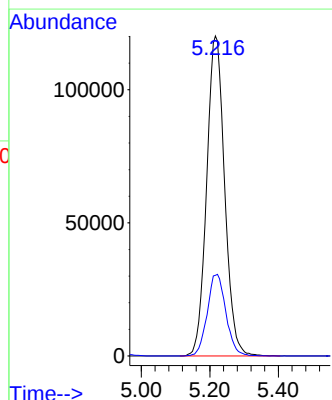
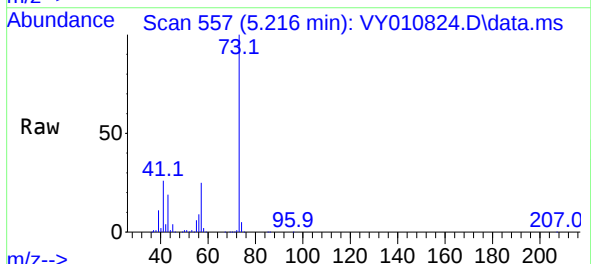
Instrument :
MSVOA_Y
ClientSampleId :
D22010-8.5

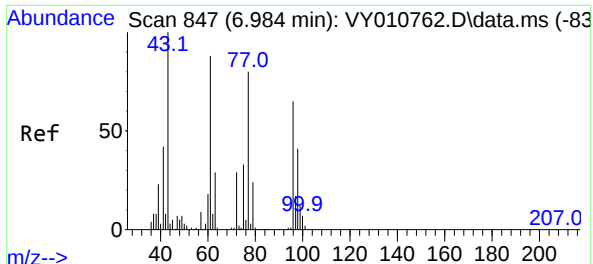
Tgt Ion: 43 Resp: 98875
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#19
Methyl tert-butyl Ether
Concen: 71.658 ug/l
RT: 5.216 min Scan# 557
Delta R.T. 0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

Tgt Ion: 73 Resp: 438909
Ion Ratio Lower Upper
73 100
57 25.2 18.6 27.8





#25

2-Butanone

Concen: 5.124 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY010824.D

Acq: 05 Oct 2022 16:46

Instrument :

MSVOA_Y

ClientSampleId :

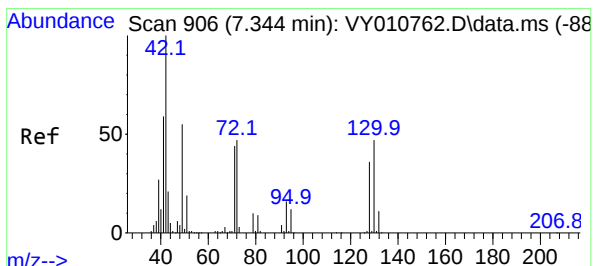
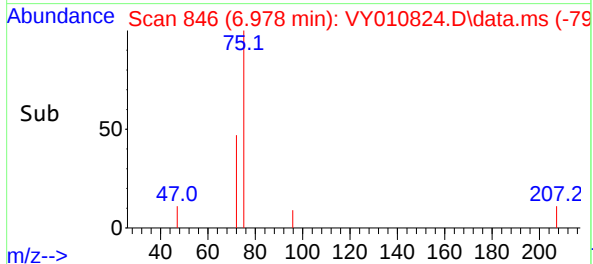
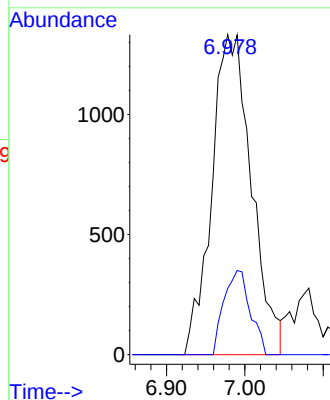
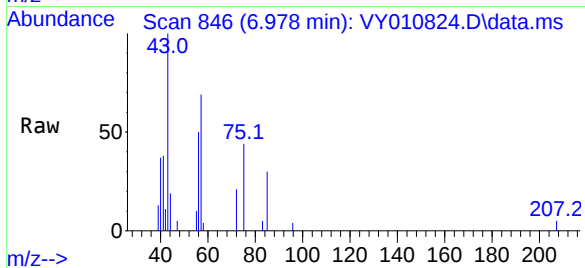
D22010-8.5

Tgt Ion: 43 Resp: 4693

Ion Ratio Lower Upper

43 100

72 20.7 17.7 26.5



#29

Tetrahydrofuran

Concen: 2.991 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY010824.D

Acq: 05 Oct 2022 16:46

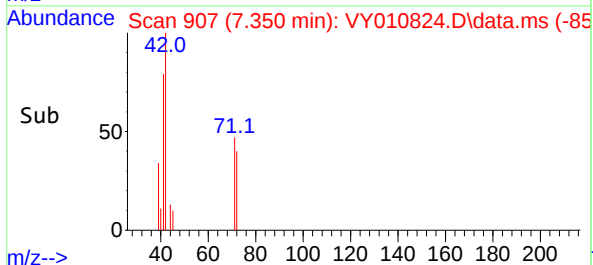
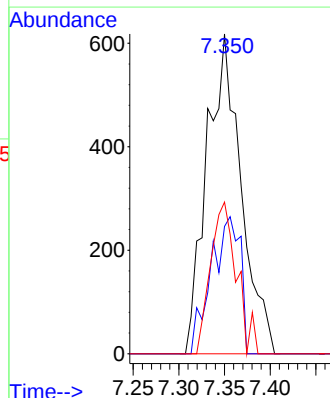
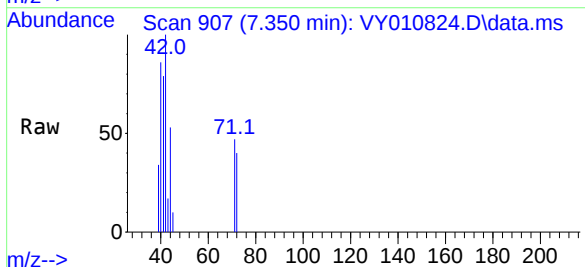
Tgt Ion: 42 Resp: 1611

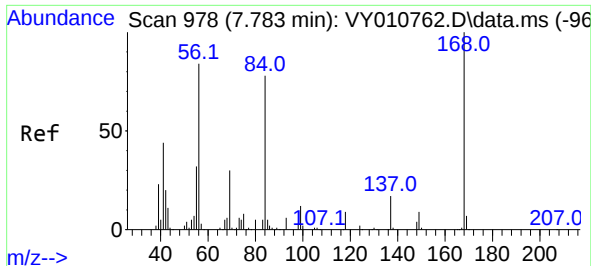
Ion Ratio Lower Upper

42 100

72 36.4 30.3 45.5

71 35.9 29.0 43.4

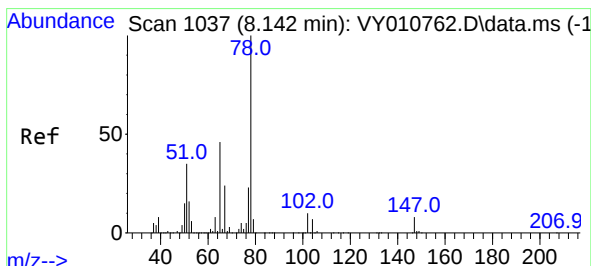
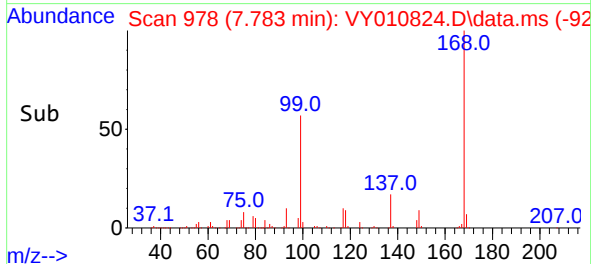
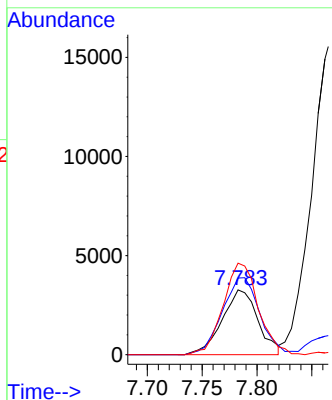
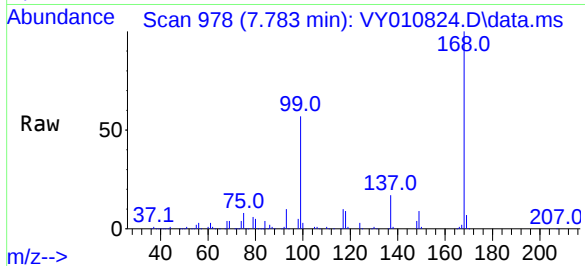




#31
Cyclohexane
Concen: 1.659 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

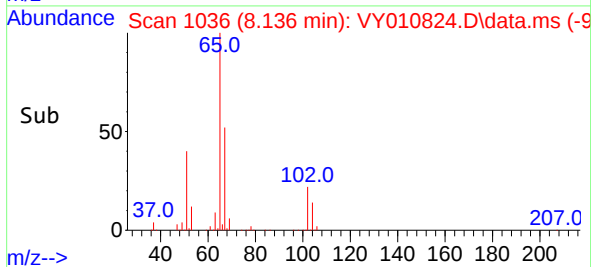
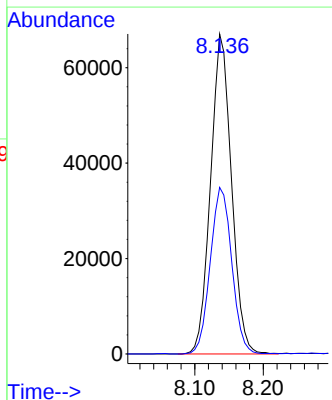
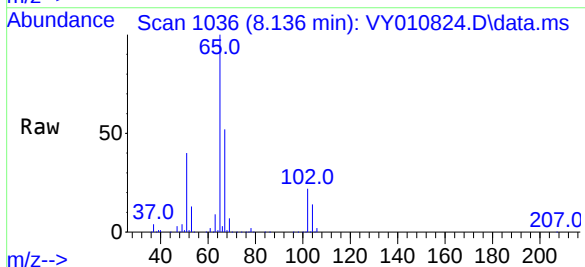
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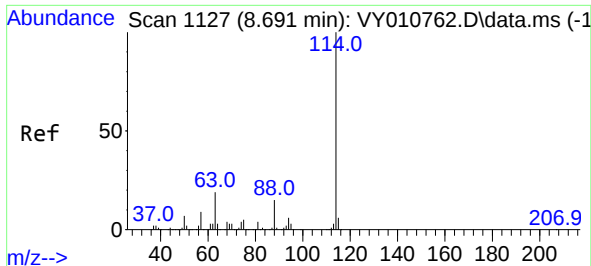
Tgt Ion: 56 Resp: 7449
Ion Ratio Lower Upper
56 100
69 118.2 26.7 40.1#
84 141.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.616 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

Tgt Ion: 65 Resp: 142023
Ion Ratio Lower Upper
65 100
67 53.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010824.D

Acq: 05 Oct 2022 16:46

Instrument :

MSVOA_Y

ClientSampleId :

D22010-8.5

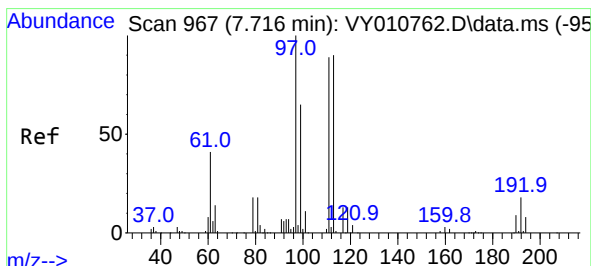
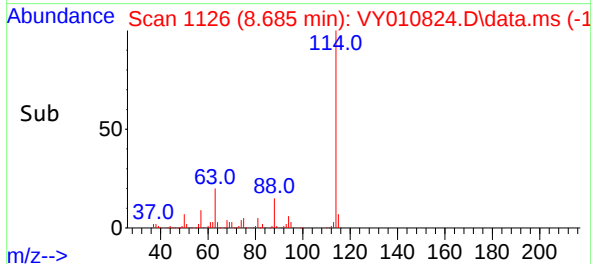
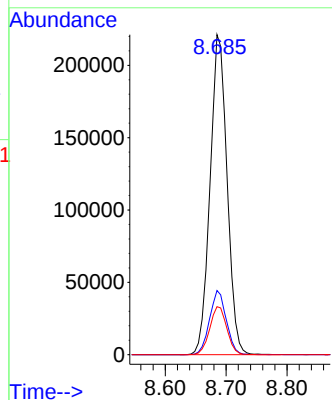
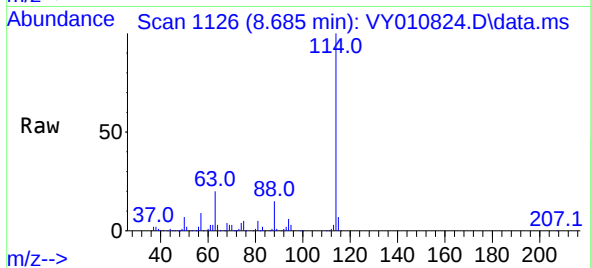
Tgt Ion:114 Resp: 428495

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.332 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010824.D

Acq: 05 Oct 2022 16:46

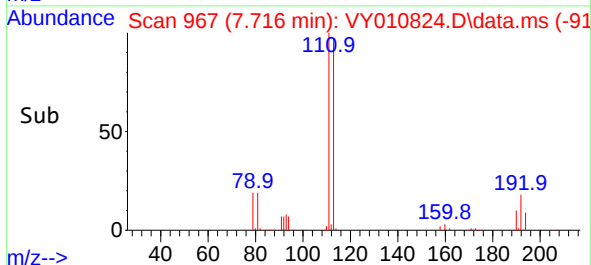
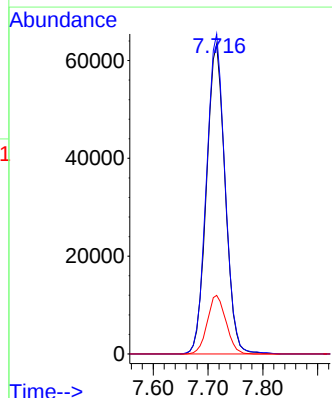
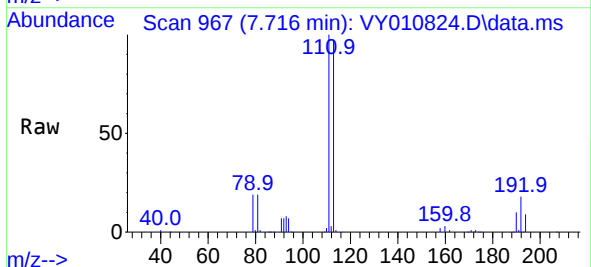
Tgt Ion:113 Resp: 148851

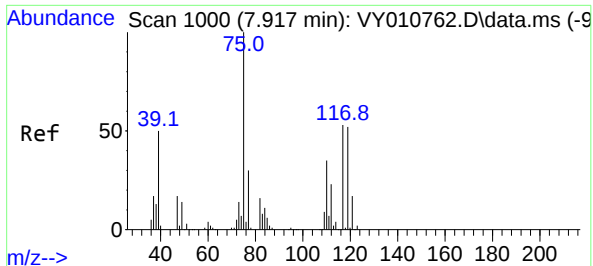
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 19.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY010824.D

Acq: 05 Oct 2022 16:46

Instrument :

MSVOA_Y

ClientSampleId :

D22010-8.5

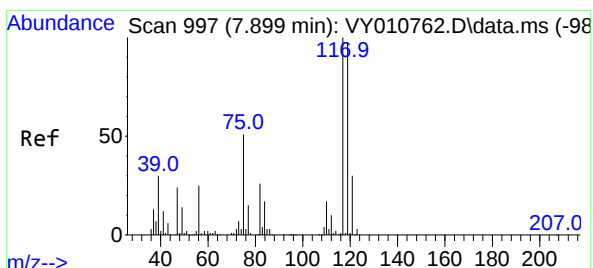
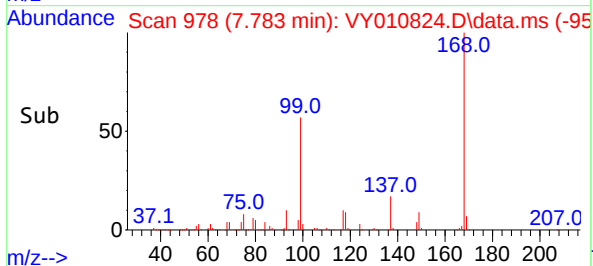
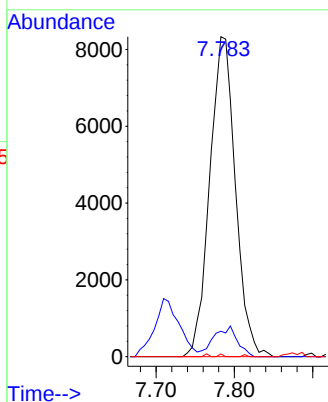
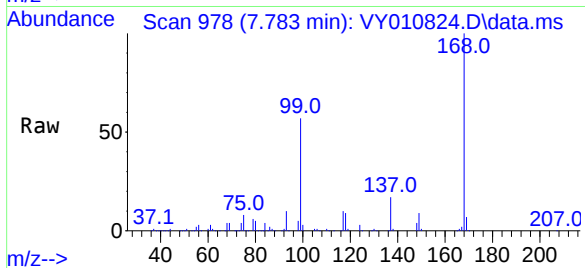
Tgt Ion: 75 Resp: 18982

Ion Ratio Lower Upper

75 100

110 8.8 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.740 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010824.D

Acq: 05 Oct 2022 16:46

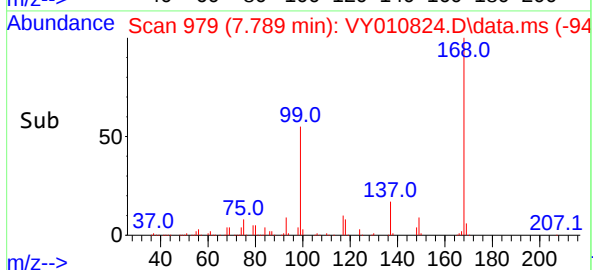
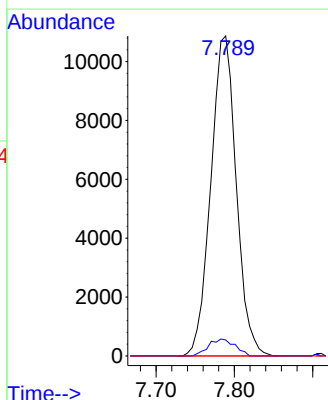
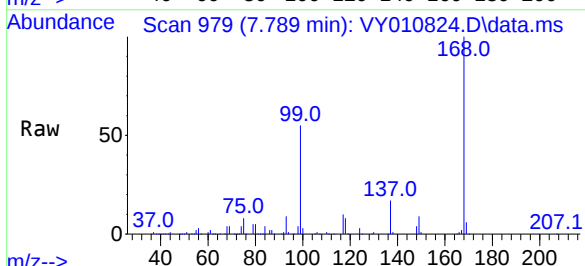
Tgt Ion: 117 Resp: 24547

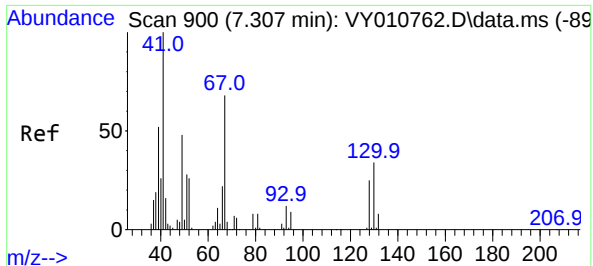
Ion Ratio Lower Upper

117 100

119 5.0 77.9 116.9#

121 0.0 24.8 37.2#

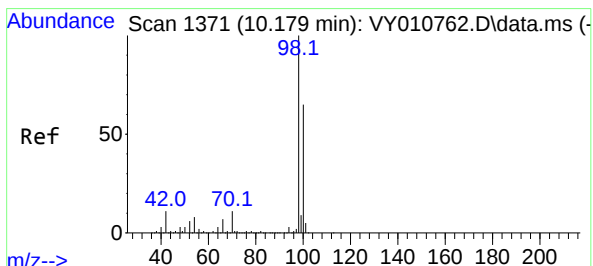
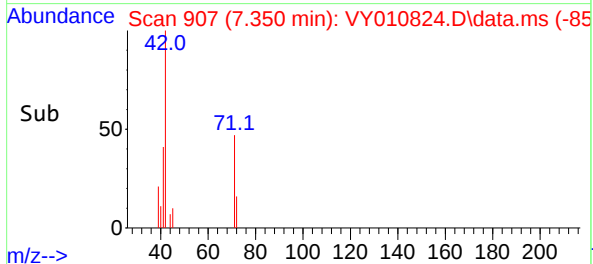
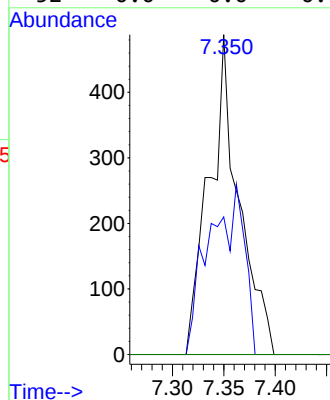
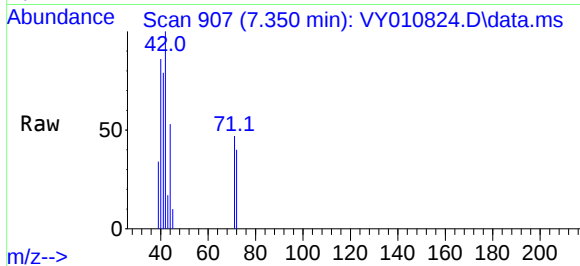




#41
Methacrylonitrile
Concen: 3.371 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

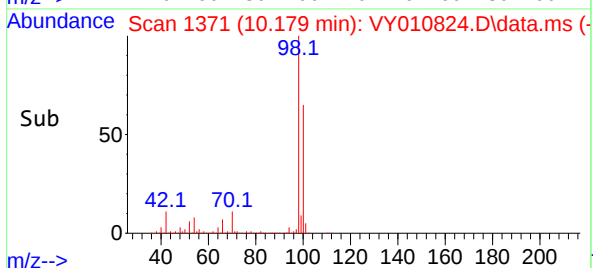
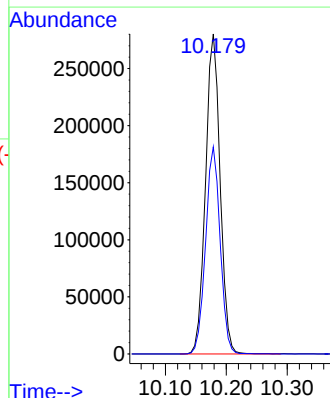
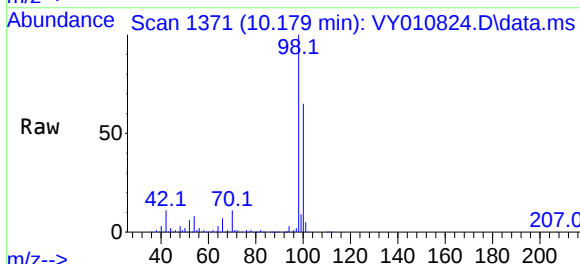
Instrument :
MSVOA_Y
ClientSampleId :
D22010-8.5

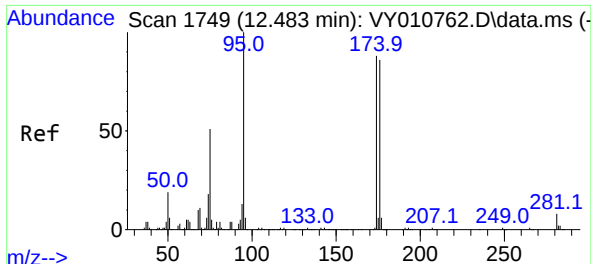
Tgt Ion:	41	Resp:	983
Ion	Ratio	Lower	Upper
41	100		
39	63.2	92.9	139.3#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 48.011 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

Tgt Ion:	98	Resp:	467024
Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.2	75.2

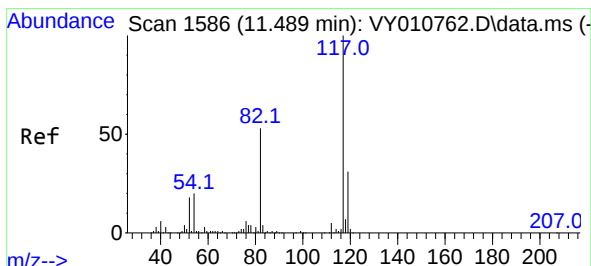
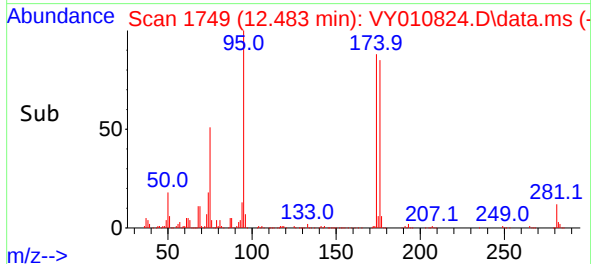
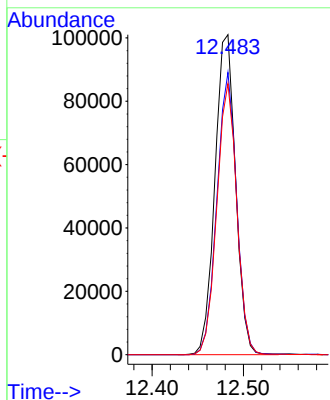
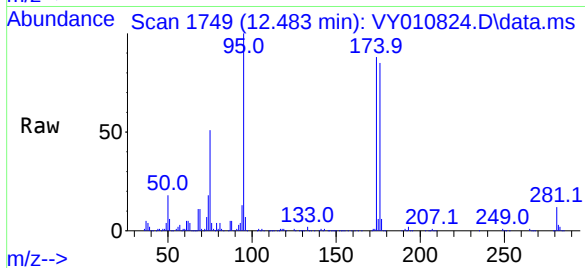




#62
4-Bromofluorobenzene
Concen: 41.140 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

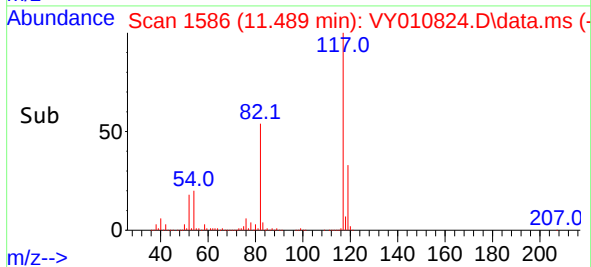
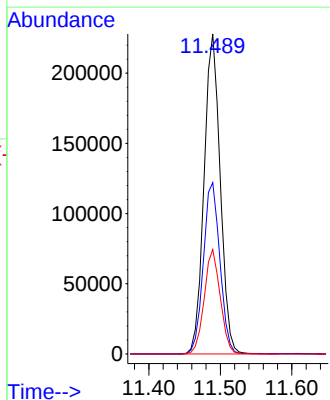
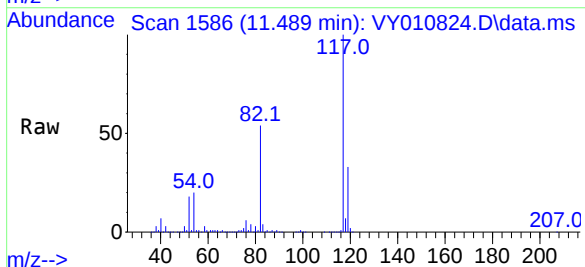
Instrument :
MSVOA_Y
ClientSampleId :
D22010-8.5

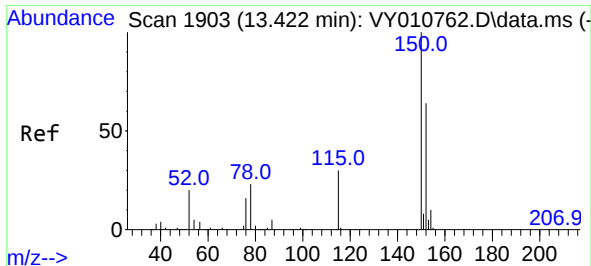
Tgt Ion: 95 Resp: 158826
Ion Ratio Lower Upper
95 100
174 84.6 0.0 177.0
176 82.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

Tgt Ion: 117 Resp: 358440
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 32.7 25.4 38.0

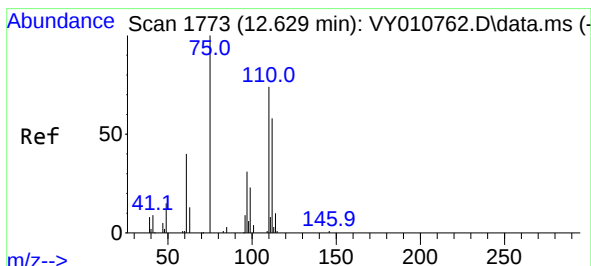
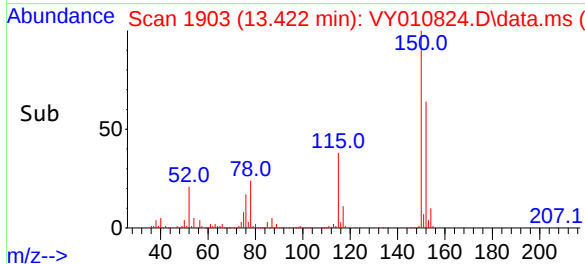
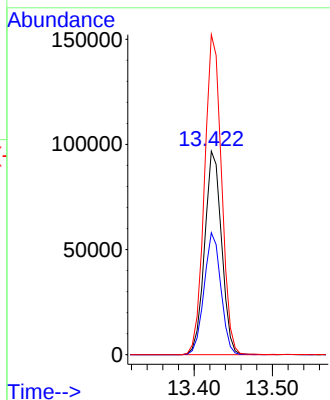
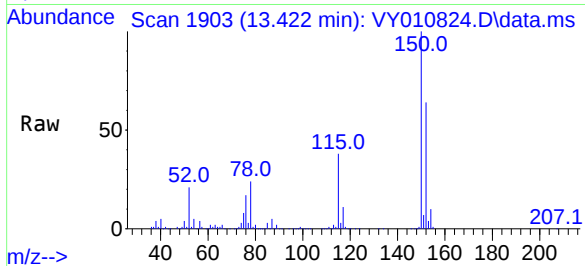




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

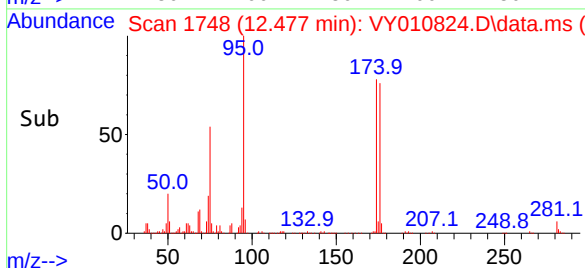
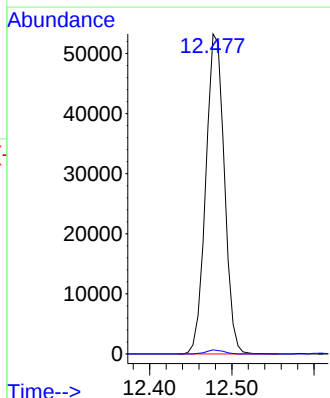
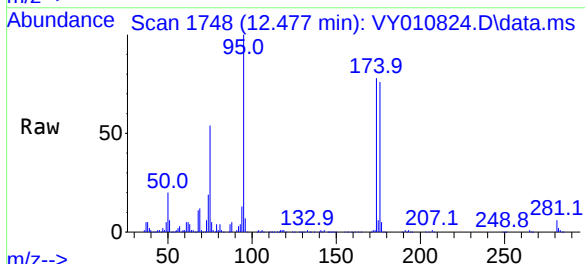
Instrument :
MSVOA_Y
ClientSampleId :
D22010-8.5

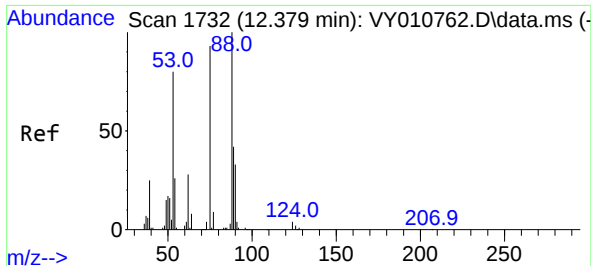
Tgt Ion:152 Resp: 145229
Ion Ratio Lower Upper
152 100
115 59.3 28.2 84.7
150 158.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 56.678 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

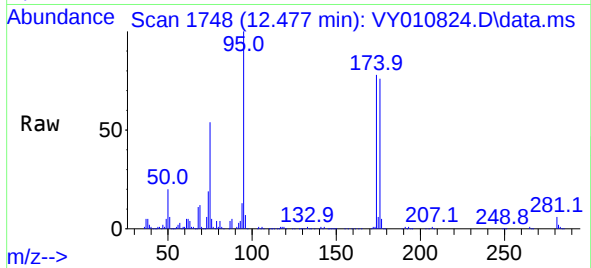
Tgt Ion: 75 Resp: 83358
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.396 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY010824.D
 Acq: 05 Oct 2022 16:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22010-8.5



Tgt Ion: 75 Resp: 83358
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.3 127.9#
 89 0.2 37.0 55.4#

