

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010659.D
 Acq On : 23 Sep 2022 19:17
 Operator : KP/MD
 Sample : N4780-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1

Quant Time: Sep 24 01:24:30 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)

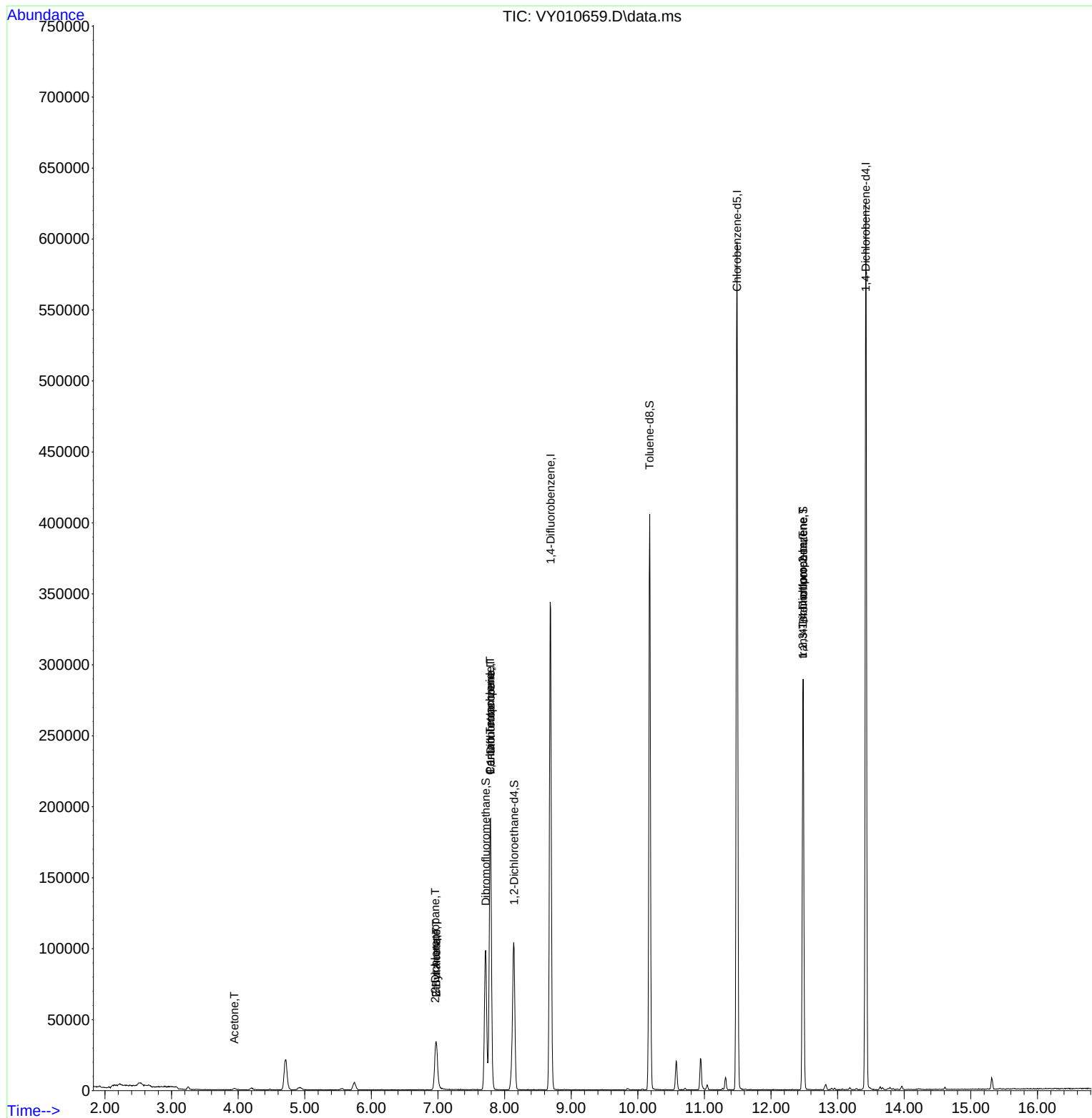
Internal Standards						
1) Pentafluorobenzene	7.789	168	150557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	298215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	324478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	76322	53.000	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.000%	
35) Dibromofluoromethane	7.716	113	69964	36.761	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 73.520%	
50) Toluene-d8	10.179	98	261830	38.022	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 76.040%	
62) 4-Bromofluorobenzene	12.483	95	86352	32.113	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 64.220%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	447	Below Cal		92
3) Chloromethane	2.107	50	294	Below Cal		92
4) Vinyl Chloride	2.375	62	23	Below Cal	#	43
5) Bromomethane	2.668	94	175	Below Cal		88
16) Acetone	3.942	43	1932	6.579	ug/l	90
18) Methyl Acetate	4.485	43	534	Below Cal	#	63
20) Methylene Chloride	4.716	84	16573	Below Cal		89
25) 2-Butanone	6.972	43	1941	4.226	ug/l	# 75
26) 2,2-Dichloropropane	6.960	77	2765	1.266	ug/l	# 55
31) Cyclohexane	7.783	56	3257	Below Cal	#	14
36) 1,1-Dichloropropene	7.789	75	11735	5.534	ug/l	# 51
37) Ethyl Acetate	6.972	43	1941	1.585	ug/l	# 1
38) Carbon Tetrachloride	7.783	117	14810	6.074	ug/l	# 15
76) 1,2,3-Trichloropropane	12.477	75	45595	30.860	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	45595	68.614	ug/l	# 7

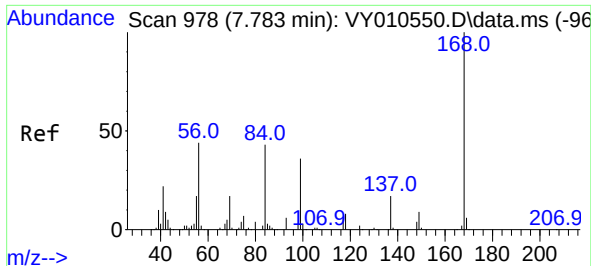
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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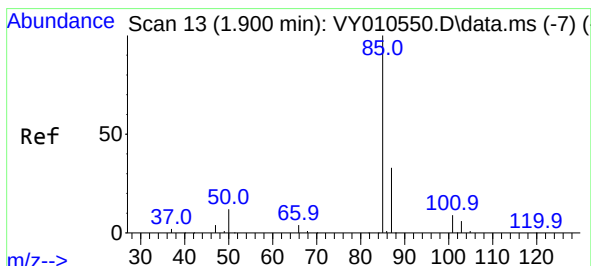
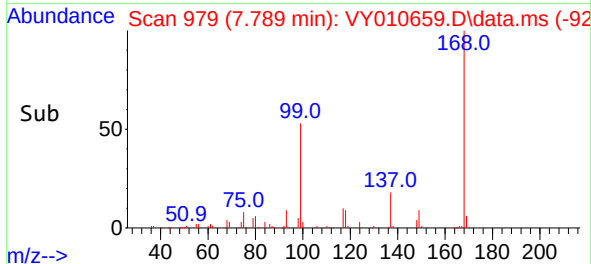
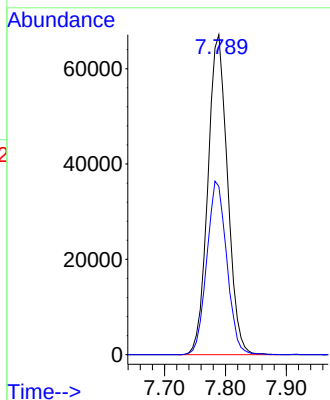
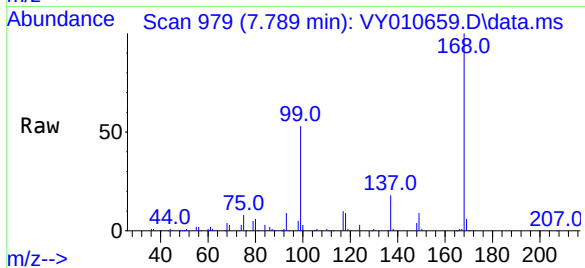




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010659.D
Acq: 23 Sep 2022 19:17

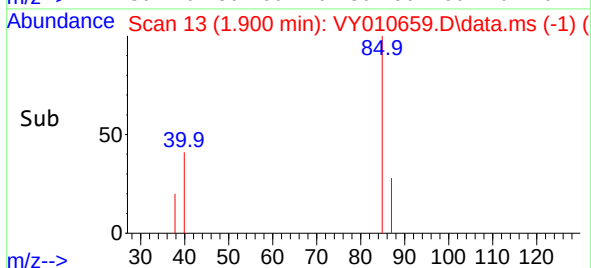
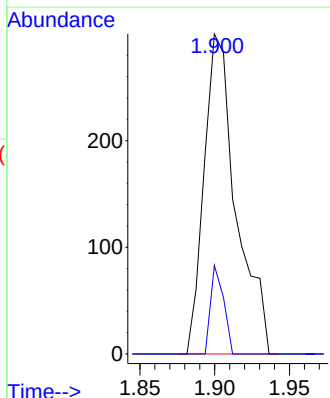
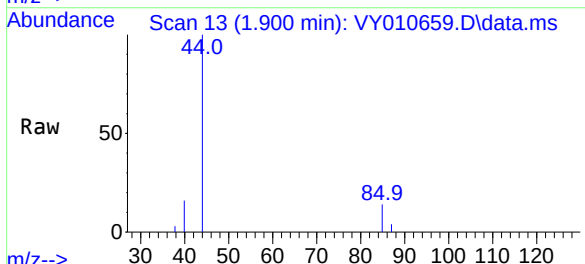
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

Tgt Ion:168 Resp: 150557
Ion Ratio Lower Upper
168 100
99 52.6 46.9 70.3

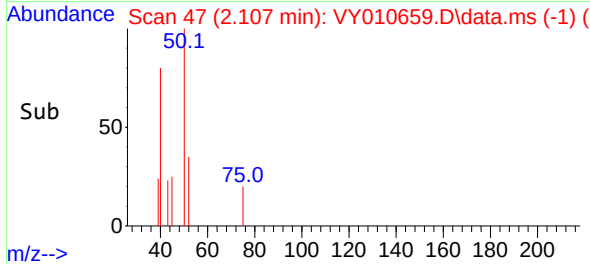
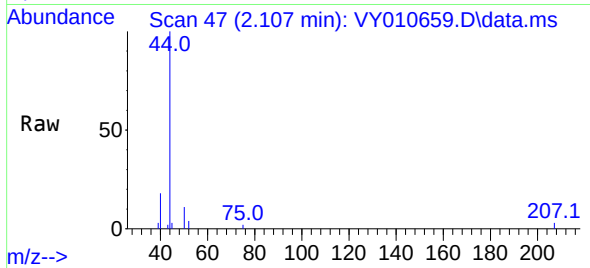
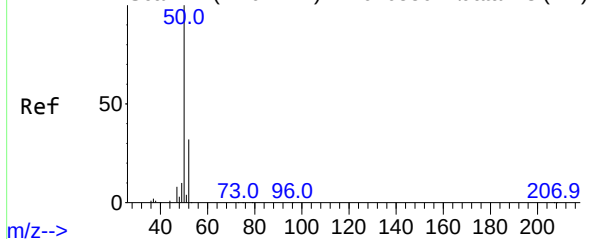


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010659.D
Acq: 23 Sep 2022 19:17

Tgt Ion: 85 Resp: 447
Ion Ratio Lower Upper
85 100
87 27.7 16.1 48.2



Abundance Scan 47 (2.107 min): VY010550.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY010659.D

Acq: 23 Sep 2022 19:17

Instrument :

MSVOA_Y

ClientSampleId :

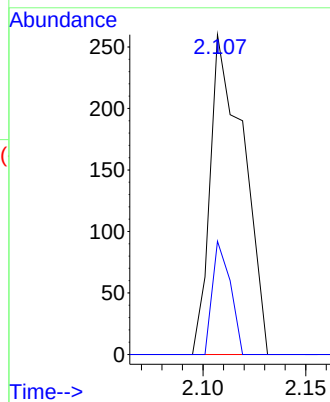
SP-1

Tgt Ion: 50 Resp: 294

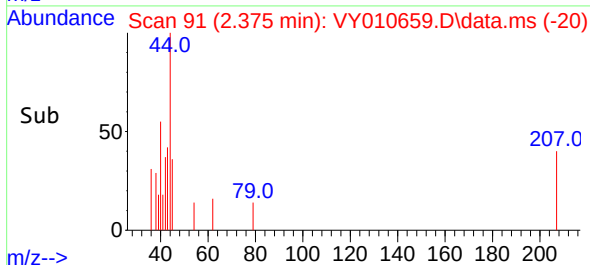
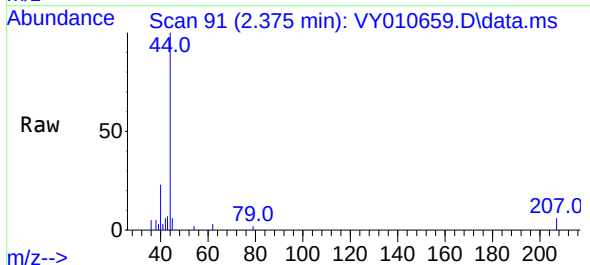
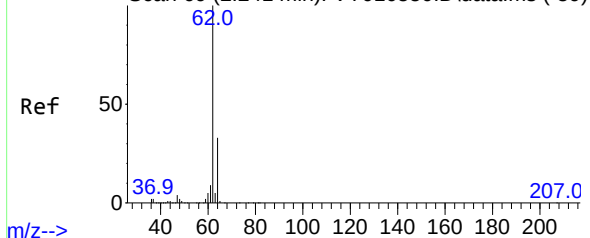
Ion Ratio Lower Upper

50 100

52 35.4 24.6 37.0



Abundance Scan 69 (2.241 min): VY010550.D\data.ms (-59)



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.375 min Scan# 91

Delta R.T. 0.134 min

Lab File: VY010659.D

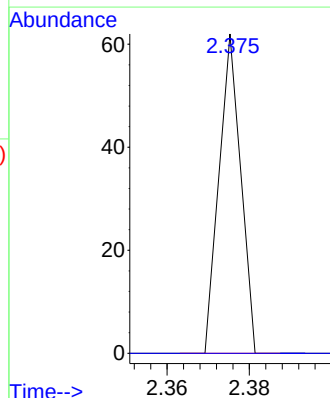
Acq: 23 Sep 2022 19:17

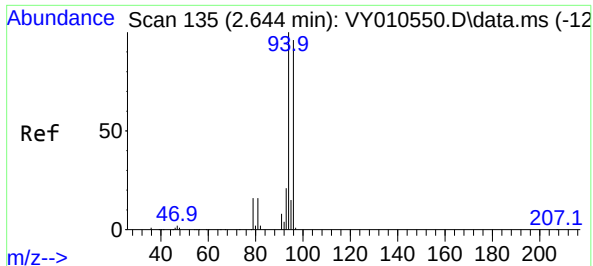
Tgt Ion: 62 Resp: 23

Ion Ratio Lower Upper

62 100

64 0.0 25.0 37.6#

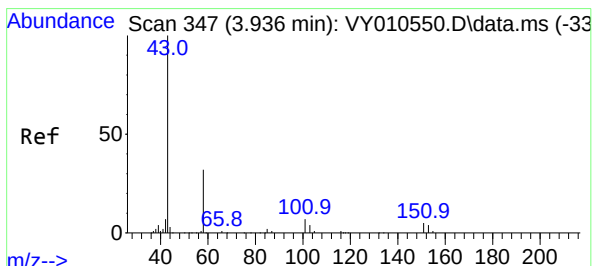
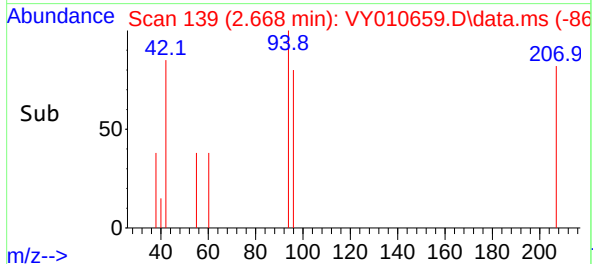
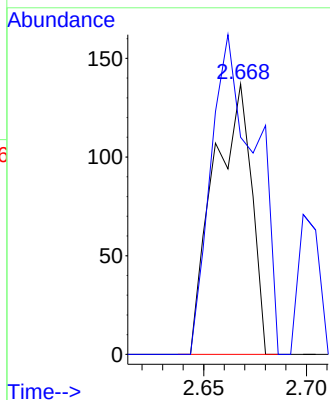
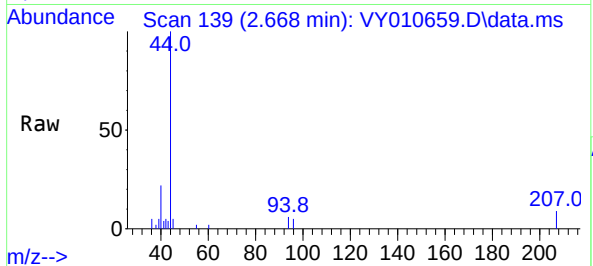




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY010659.D
Acq: 23 Sep 2022 19:17

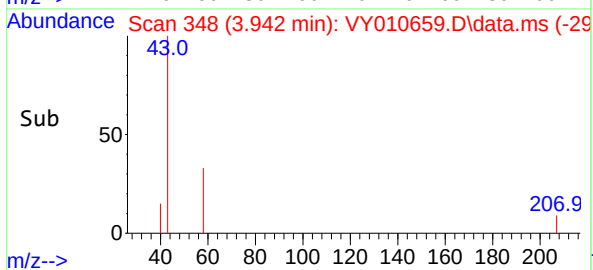
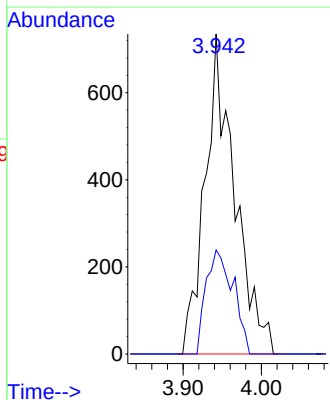
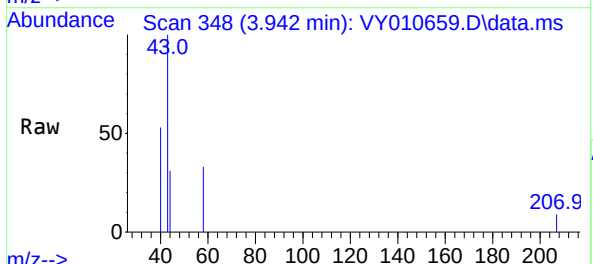
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

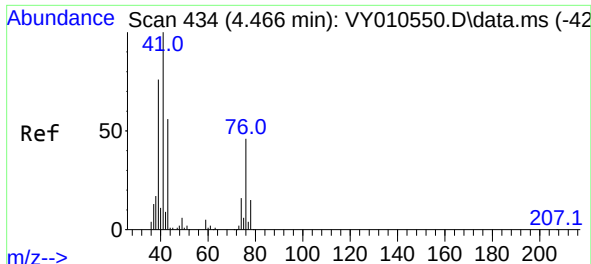
Tgt Ion: 94 Resp: 175
Ion Ratio Lower Upper
94 100
96 80.3 73.5 110.3



#16
Acetone
Concen: 6.579 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010659.D
Acq: 23 Sep 2022 19:17

Tgt Ion: 43 Resp: 1932
Ion Ratio Lower Upper
43 100
58 32.5 22.0 33.0

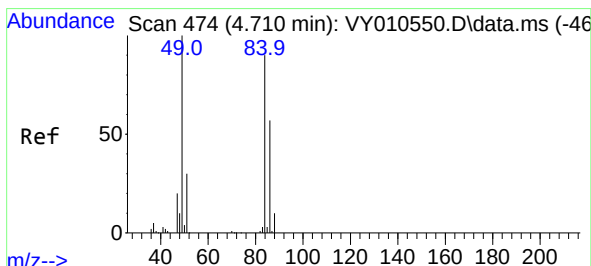
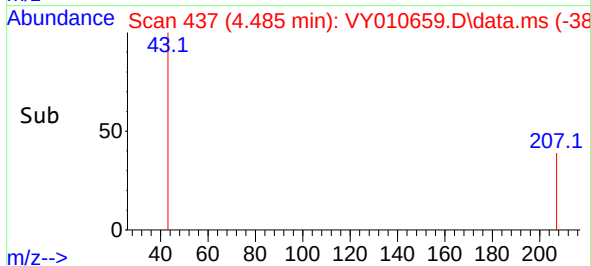
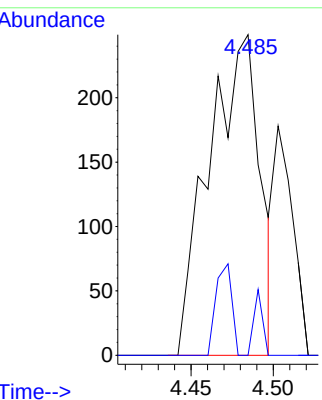
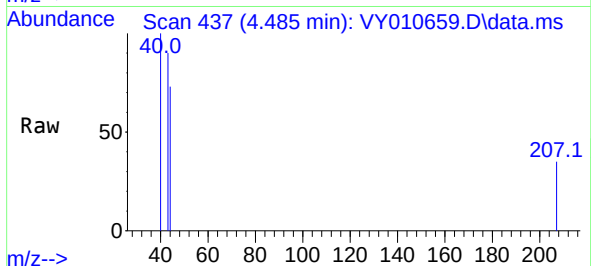




#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY010659.D
Acq: 23 Sep 2022 19:17

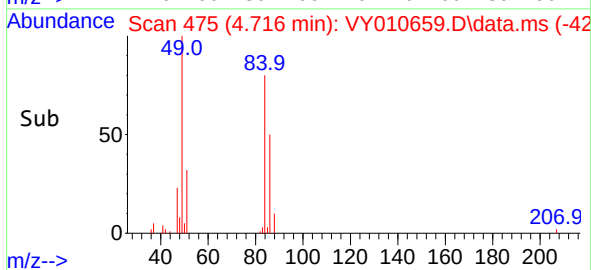
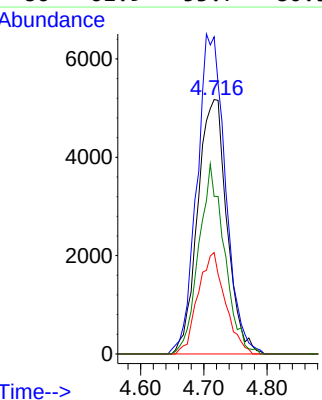
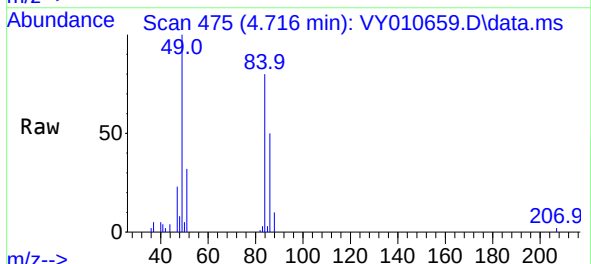
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

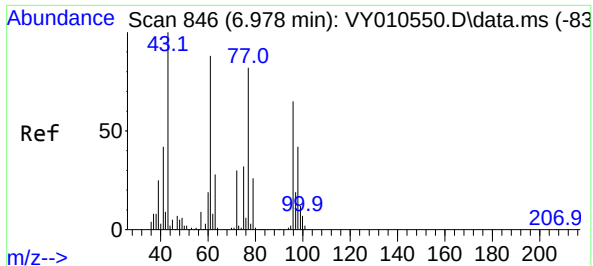
Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
74 3.6 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY010659.D
Acq: 23 Sep 2022 19:17

Tgt Ion: 84 Resp: 16573
Ion Ratio Lower Upper
84 100
49 124.6 114.4 171.6
51 39.9 35.3 52.9
86 61.9 53.7 80.5





#25

2-Butanone

Concen: 4.226 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY010659.D

Acq: 23 Sep 2022 19:17

Instrument :

MSVOA_Y

ClientSampleId :

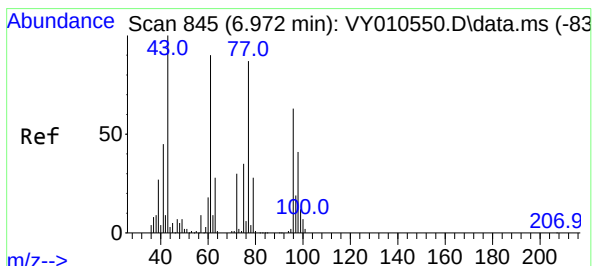
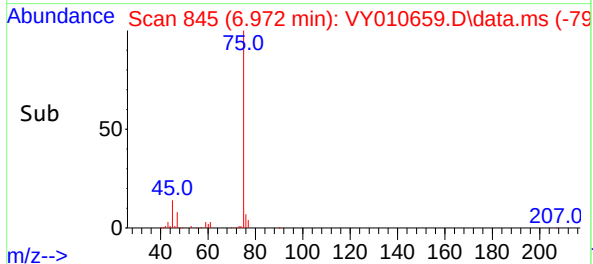
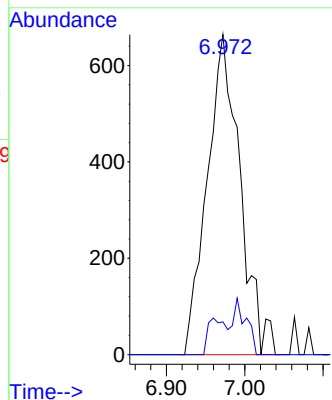
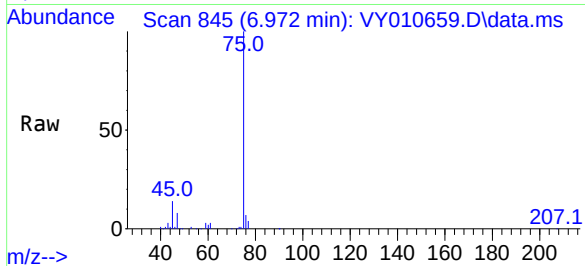
SP-1

Tgt Ion: 43 Resp: 1941

Ion Ratio Lower Upper

43 100

72 10.2 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.266 ug/l

RT: 6.960 min Scan# 843

Delta R.T. -0.012 min

Lab File: VY010659.D

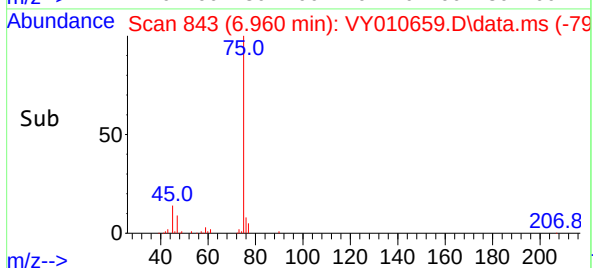
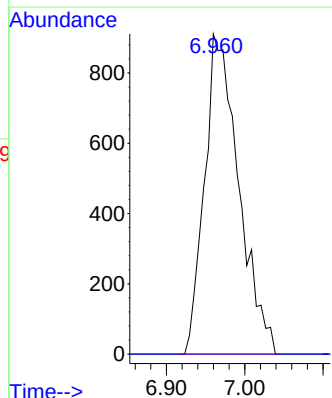
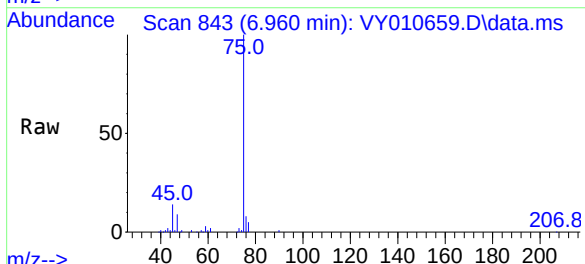
Acq: 23 Sep 2022 19:17

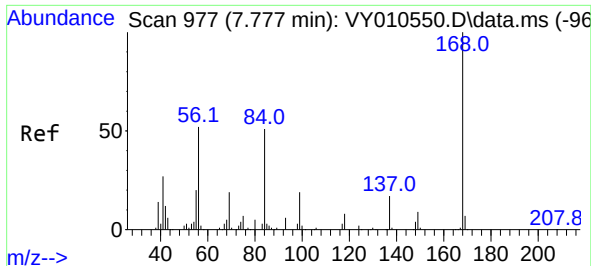
Tgt Ion: 77 Resp: 2765

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

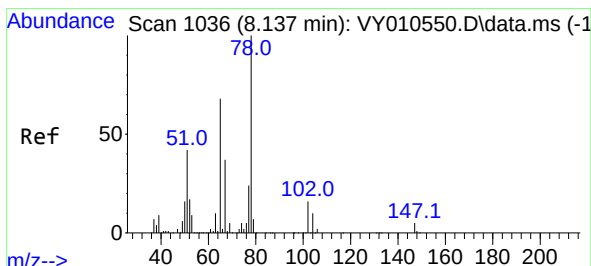
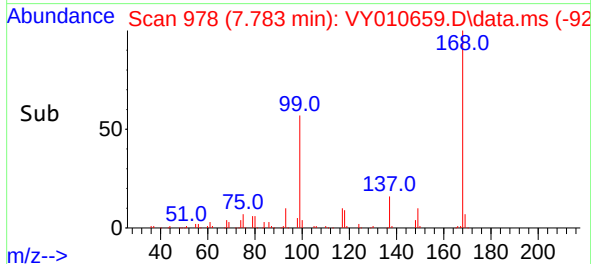
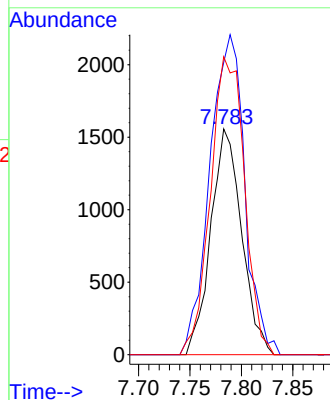
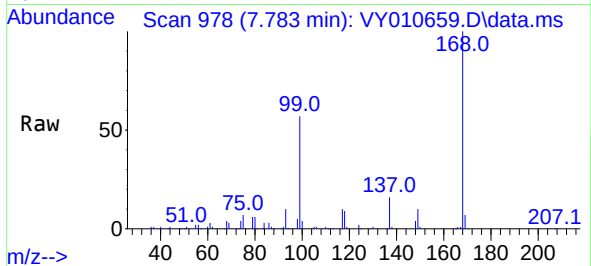




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010659.D
Acq: 23 Sep 2022 19:17

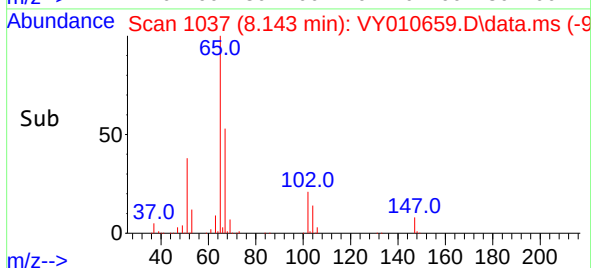
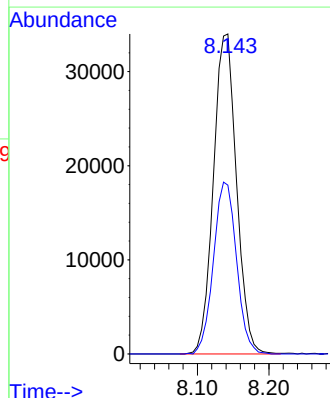
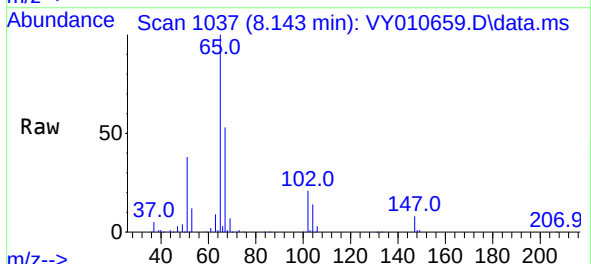
Instrument :
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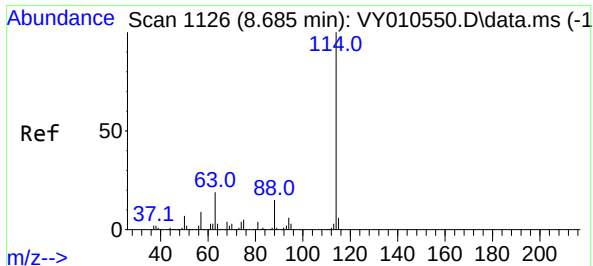
Tgt Ion: 56 Resp: 3257
Ion Ratio Lower Upper
56 100
69 129.5 26.7 40.1#
84 132.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 53.000 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY010659.D
Acq: 23 Sep 2022 19:17

Tgt Ion: 65 Resp: 76322
Ion Ratio Lower Upper
65 100
67 53.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY010659.D

Acq: 23 Sep 2022 19:17

Instrument :

MSVOA_Y

ClientSampleId :

SP-1

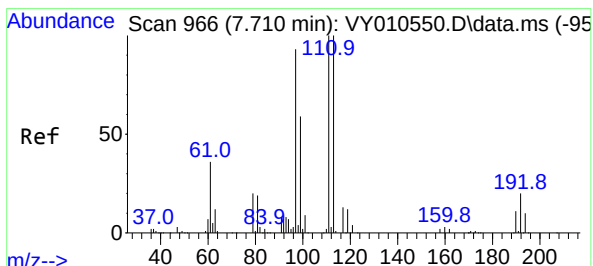
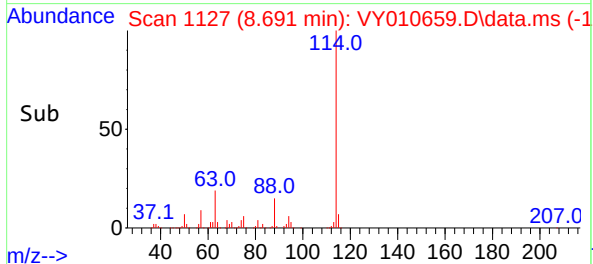
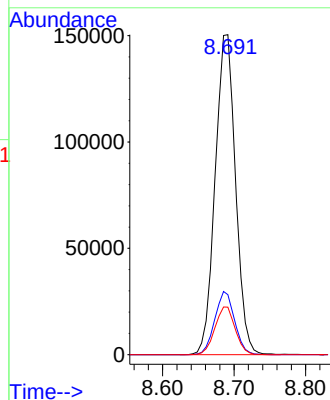
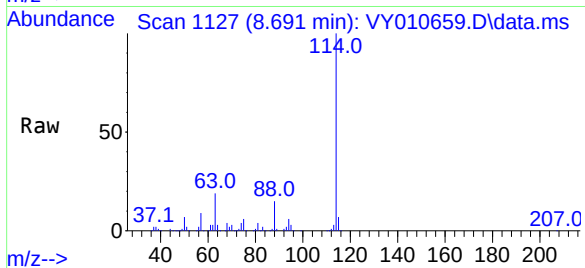
Tgt Ion:114 Resp: 298215

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 36.761 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010659.D

Acq: 23 Sep 2022 19:17

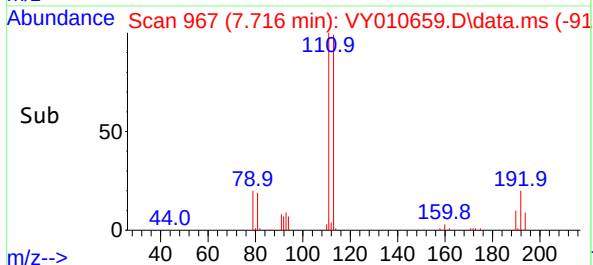
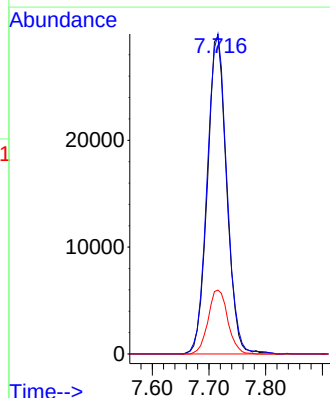
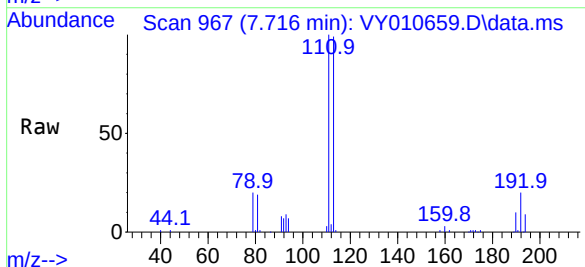
Tgt Ion:113 Resp: 69964

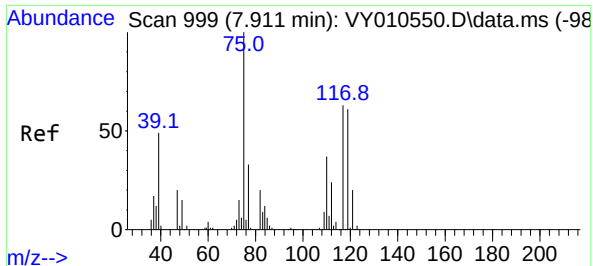
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 20.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.534 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY010659.D

Acq: 23 Sep 2022 19:17

Instrument :

MSVOA_Y

ClientSampleId :

SP-1

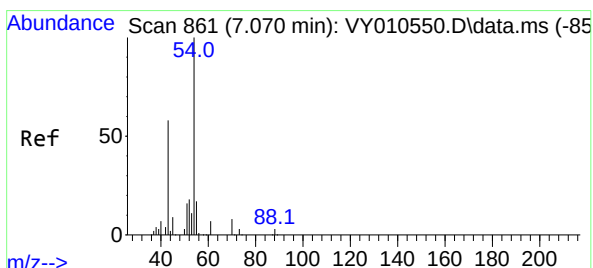
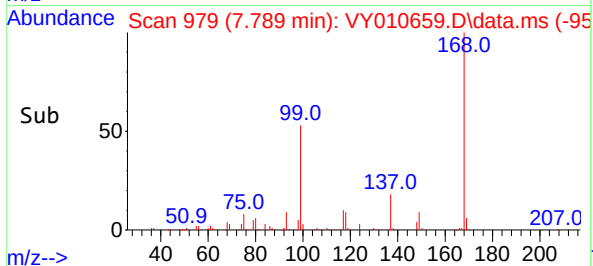
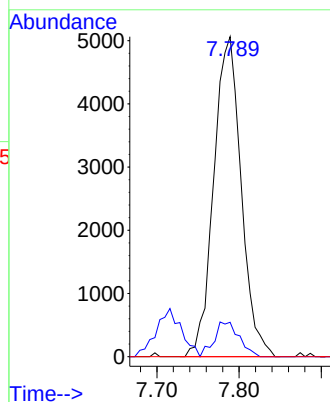
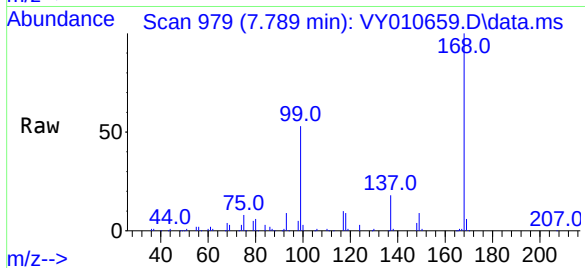
Tgt Ion: 75 Resp: 11735

Ion Ratio Lower Upper

75 100

110 9.9 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.585 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.098 min

Lab File: VY010659.D

Acq: 23 Sep 2022 19:17

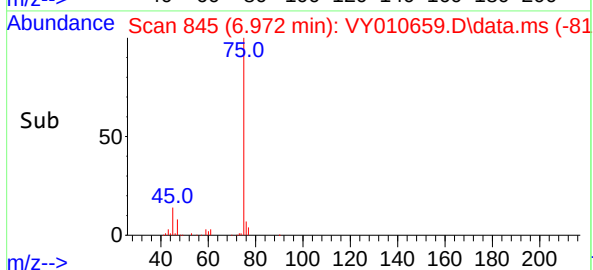
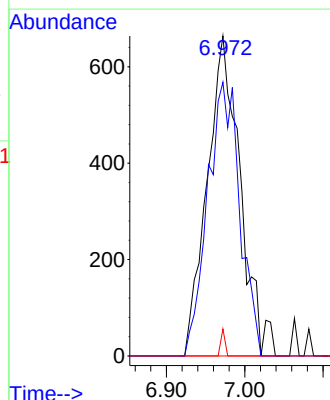
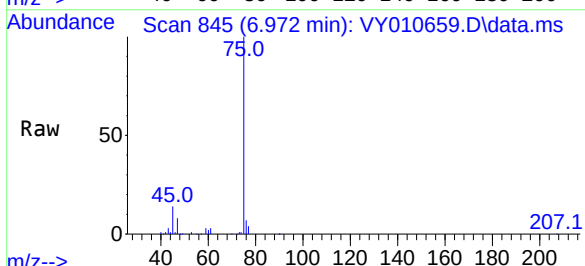
Tgt Ion: 43 Resp: 1941

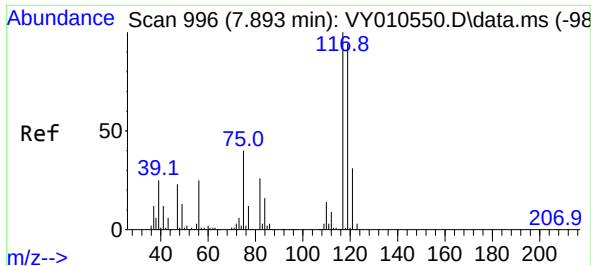
Ion Ratio Lower Upper

43 100

61 83.6 9.7 14.5#

70 1.0 7.1 10.7#

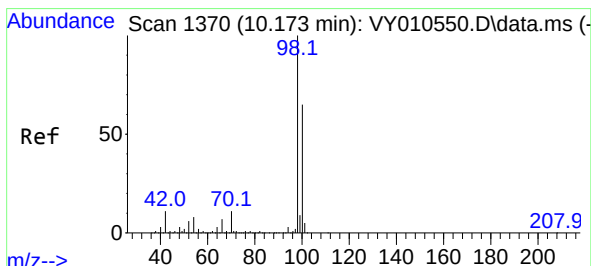
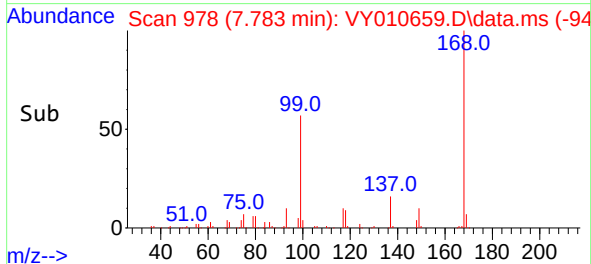
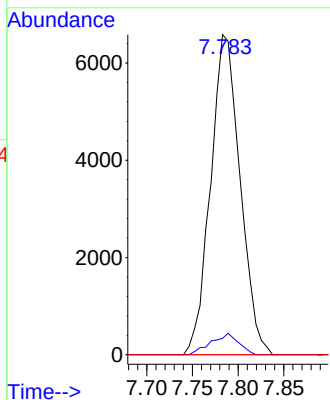
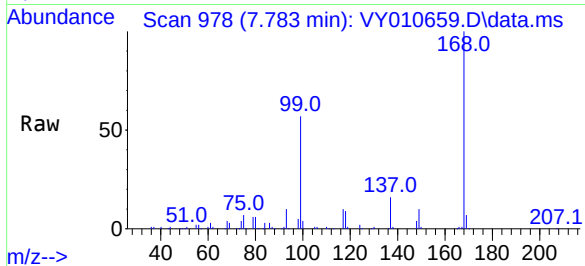




#38
Carbon Tetrachloride
Concen: 6.074 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010659.D
Acq: 23 Sep 2022 19:17

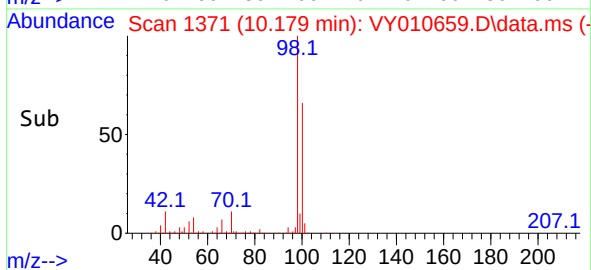
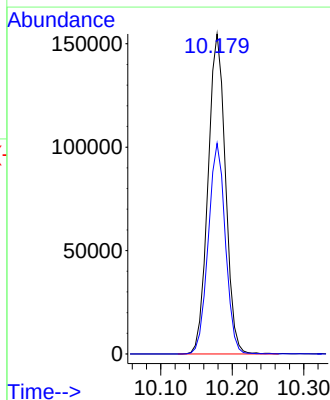
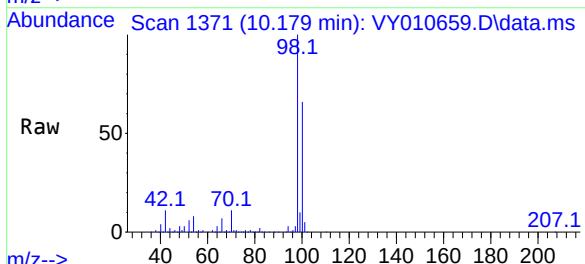
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

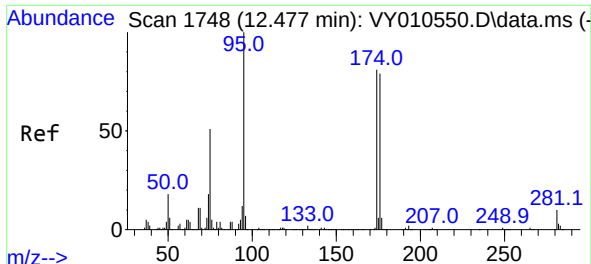
Tgt Ion:117 Resp: 14810
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 38.022 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010659.D
Acq: 23 Sep 2022 19:17

Tgt Ion: 98 Resp: 261830
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

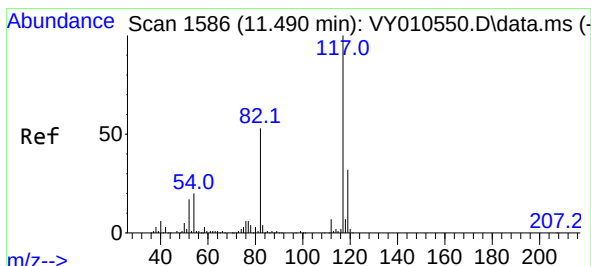
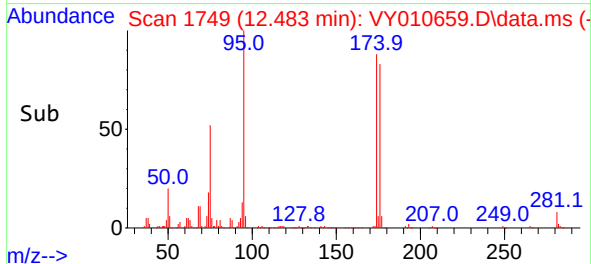
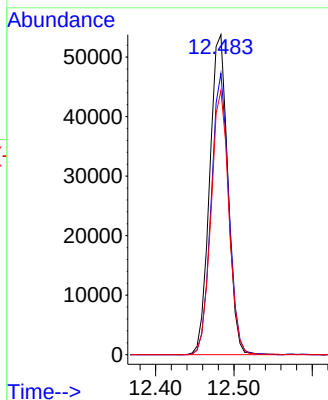
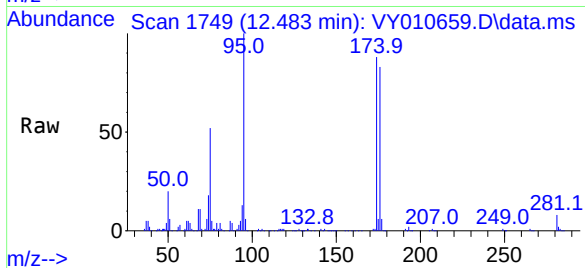




#62
4-Bromofluorobenzene
Concen: 32.113 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010659.D
Acq: 23 Sep 2022 19:17

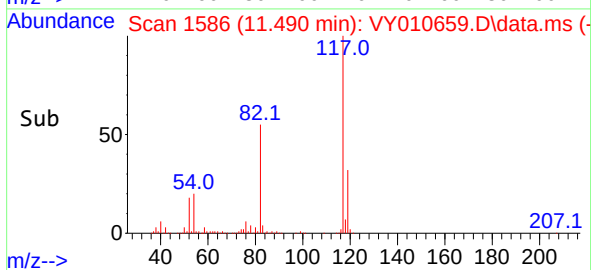
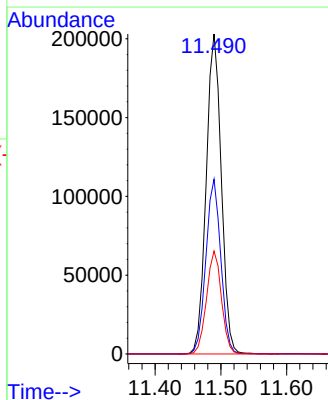
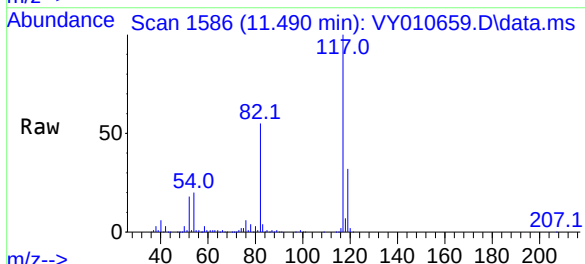
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

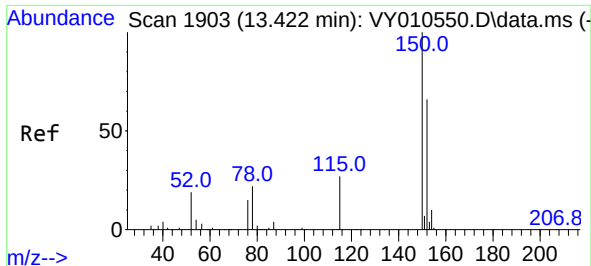
Tgt Ion: 95 Resp: 86352
Ion Ratio Lower Upper
95 100
174 85.6 0.0 177.0
176 81.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010659.D
Acq: 23 Sep 2022 19:17

Tgt Ion: 117 Resp: 324478
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 32.2 25.4 38.0

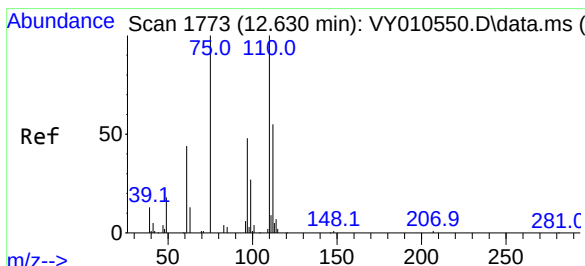
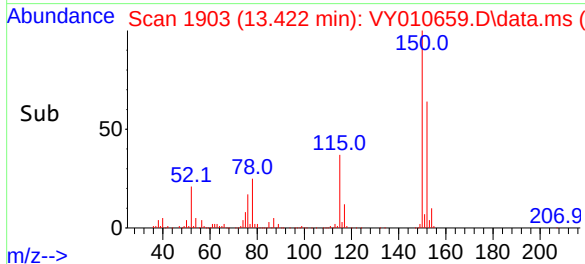
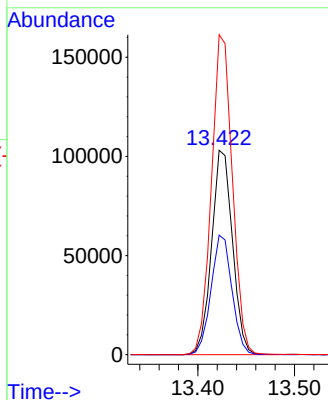
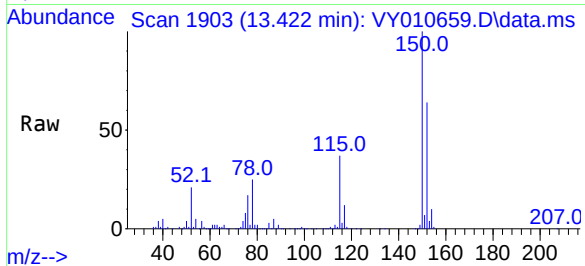




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010659.D
Acq: 23 Sep 2022 19:17

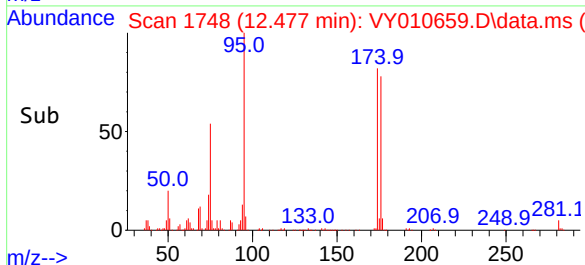
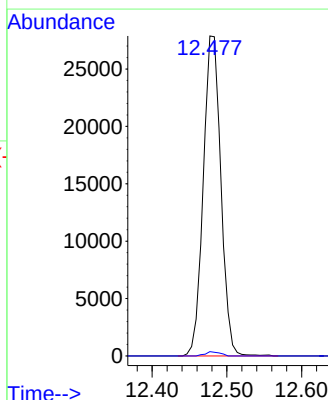
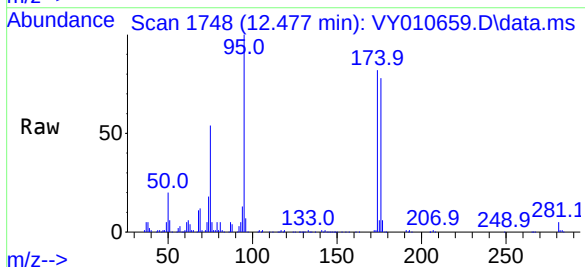
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

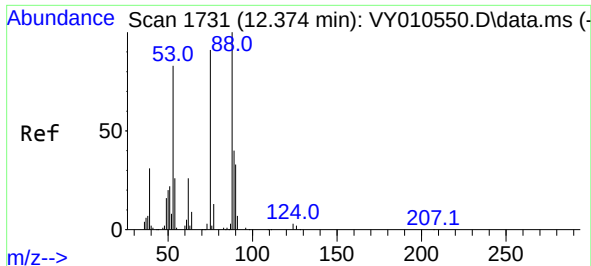
Tgt Ion:152 Resp: 154804
Ion Ratio Lower Upper
152 100
115 58.6 28.2 84.7
150 157.1 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 30.860 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010659.D
Acq: 23 Sep 2022 19:17

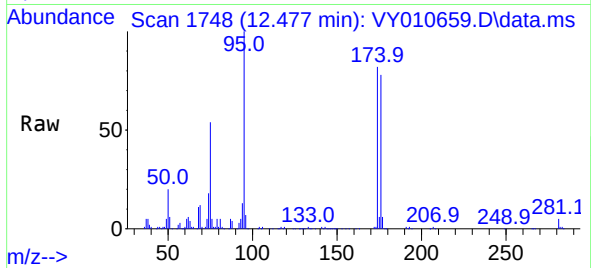
Tgt Ion: 75 Resp: 45595
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.614 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010659.D
 Acq: 23 Sep 2022 19:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1



Tgt Ion: 75 Resp: 45595
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.2 37.0 55.4#

