

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111022\
 Data File : VY011399.D
 Acq On : 10 Nov 2022 18:32
 Operator : KP/MD
 Sample : N5531-12
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-28A

Quant Time: Nov 10 22:18:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

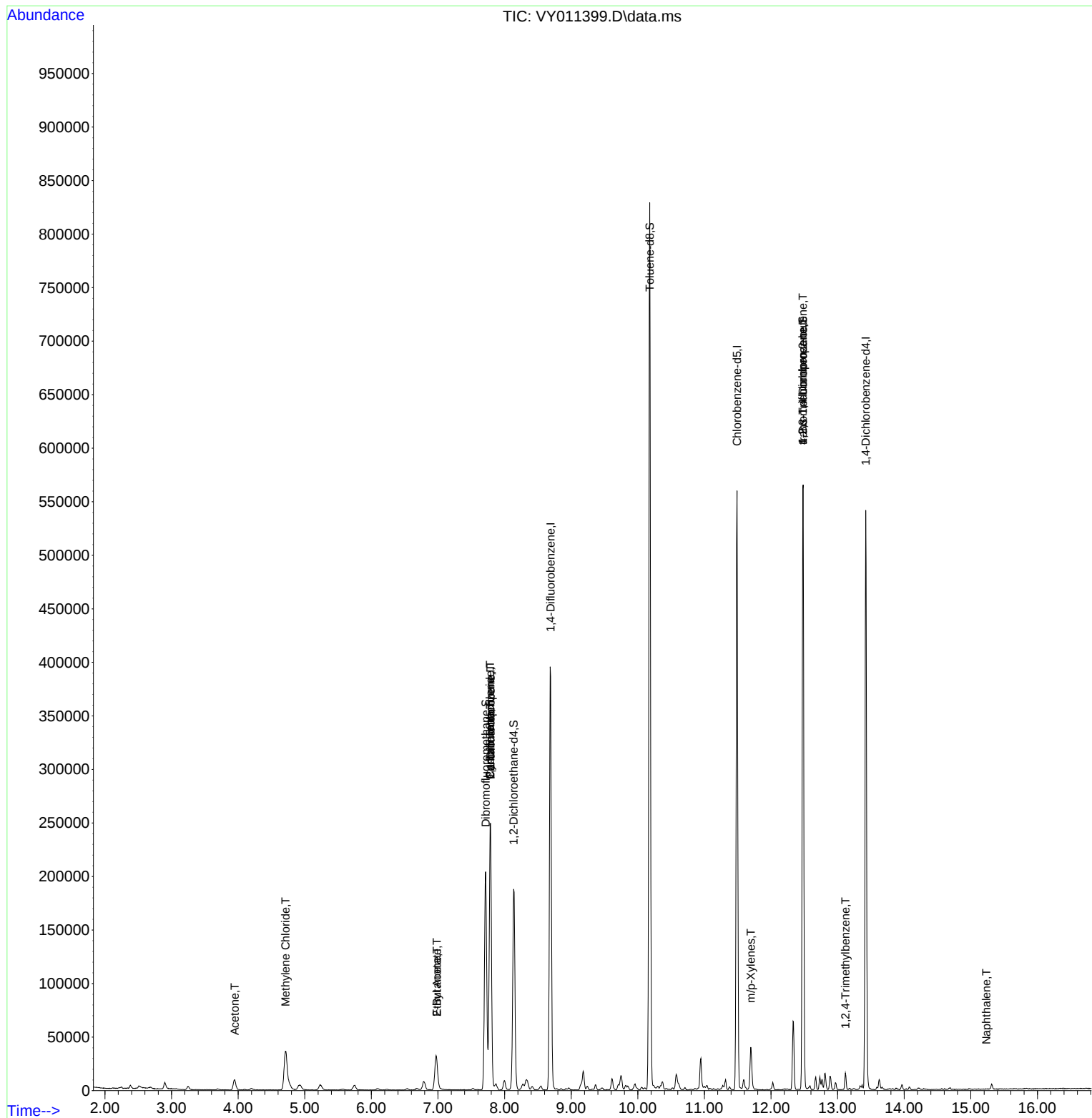
Internal Standards						
1) Pentafluorobenzene	7.789	168	200989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	352618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	323660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	148039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	146516	86.993	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 173.980%#	
35) Dibromofluoromethane	7.716	113	147622	74.702	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 149.400%#	
50) Toluene-d8	10.179	98	553808	73.357	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 146.720%#	
62) 4-Bromofluorobenzene	12.477	95	182525	69.317	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 138.640%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.911	59	2683	Below Cal	#	77
13) Acrolein	3.723	56	101	Below Cal	#	14
16) Acetone	3.948	43	16522	37.175	ug/l #	85
18) Methyl Acetate	4.479	43	92	Below Cal	#	56
20) Methylene Chloride	4.710	84	29902	5.746	ug/l #	77
25) 2-Butanone	6.984	43	5975	9.438	ug/l #	74
31) Cyclohexane	7.783	56	6586	2.176	ug/l #	7
36) 1,1-Dichloropropene	7.789	75	13598	4.433	ug/l #	50
37) Ethyl Acetate	6.984	43	5975	4.055	ug/l #	72
38) Carbon Tetrachloride	7.783	117	19526	5.853	ug/l #	15
68) m/p-Xylenes	11.697	106	12696	2.861	ug/l	93
76) 1,2,3-Trichloropropane	12.477	75	86972	50.754	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	86972	121.998	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	8676	1.024	ug/l	99
95) Naphthalene	15.233	128	485	3.356	ug/l #	69

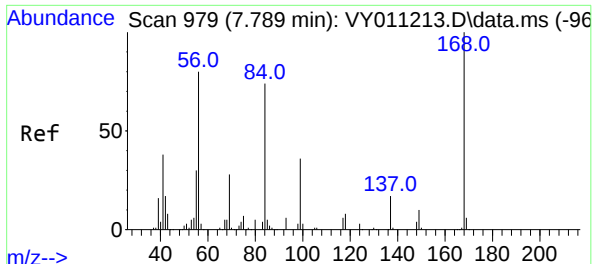
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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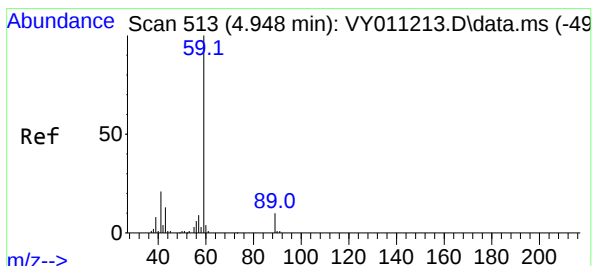
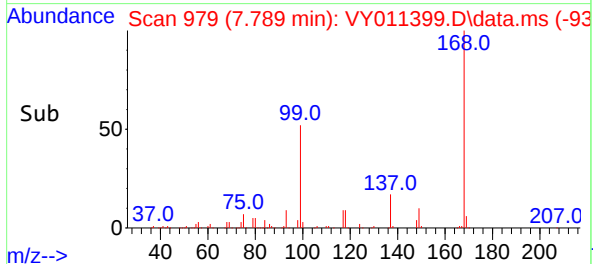
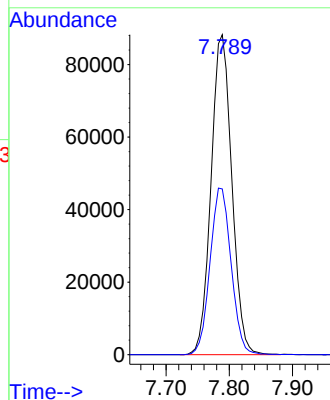
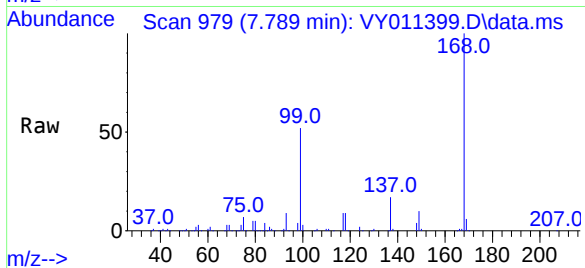




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

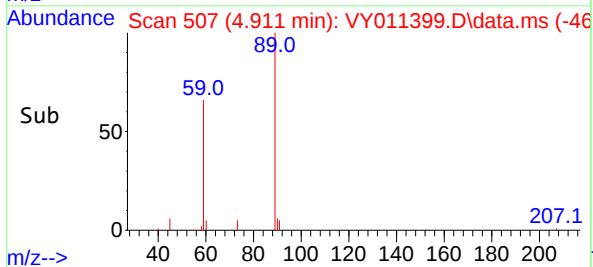
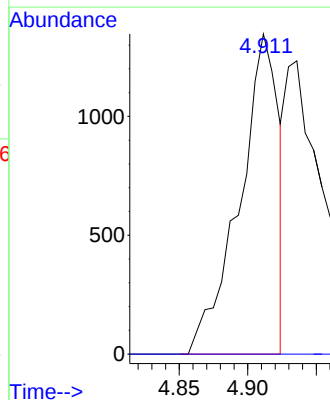
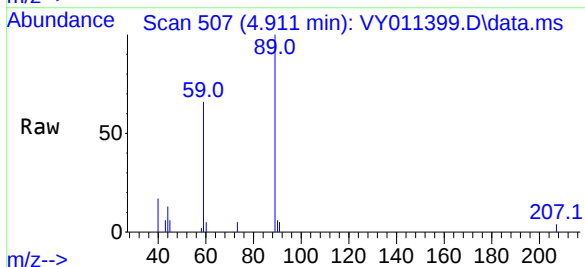
Instrument :
MSVOA_Y
ClientSampleId :
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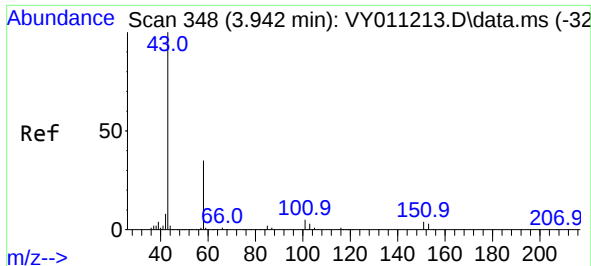
Tgt Ion:168 Resp: 200989
Ion Ratio Lower Upper
168 100
99 51.8 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.043 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

Tgt Ion: 59 Resp: 2683
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

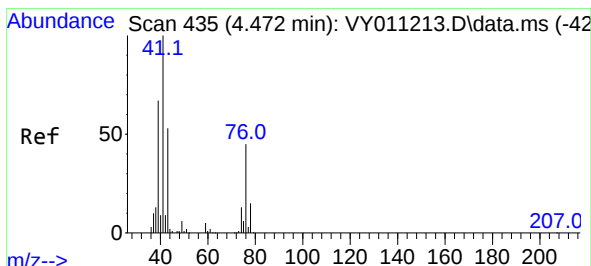
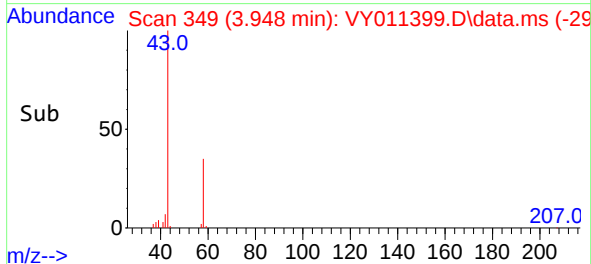
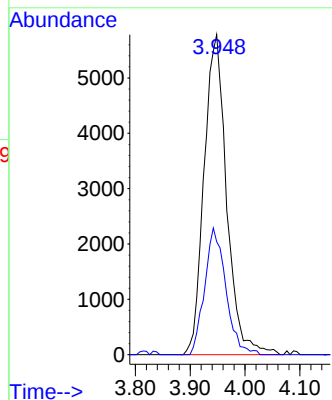
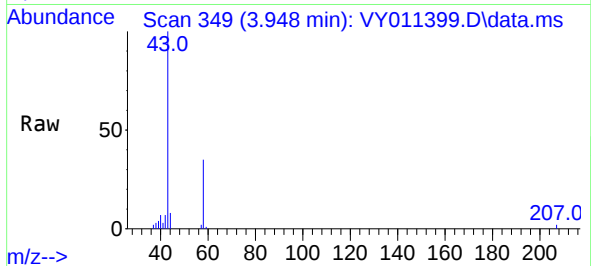




#16
Acetone
Concen: 37.175 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

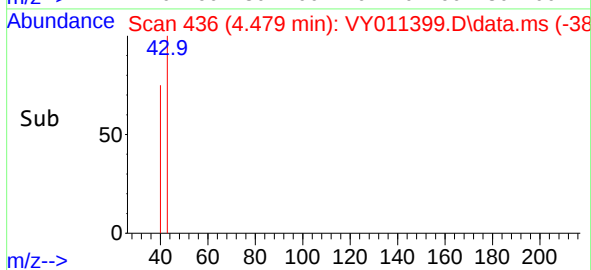
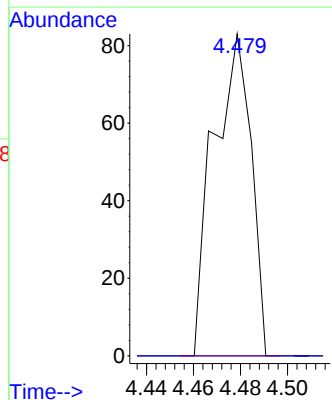
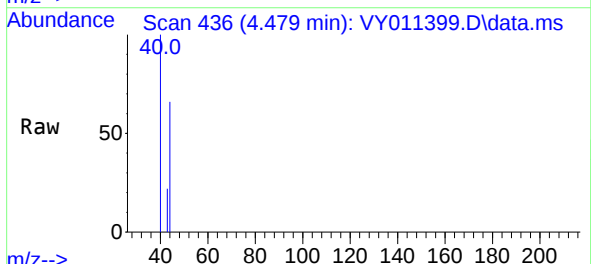
Instrument :
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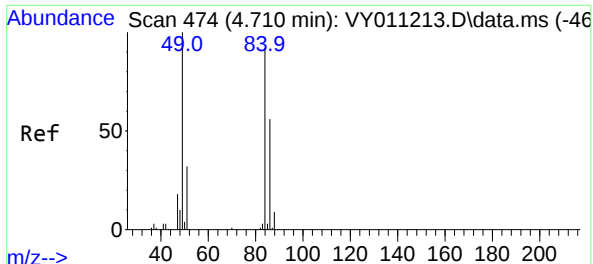
Tgt Ion: 43 Resp: 16522
Ion Ratio Lower Upper
43 100
58 35.3 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

Tgt Ion: 43 Resp: 92
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

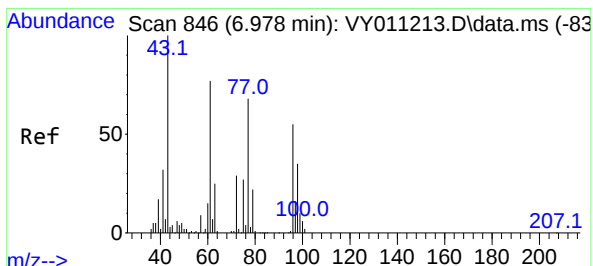
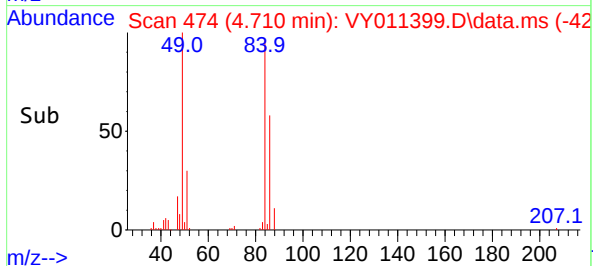
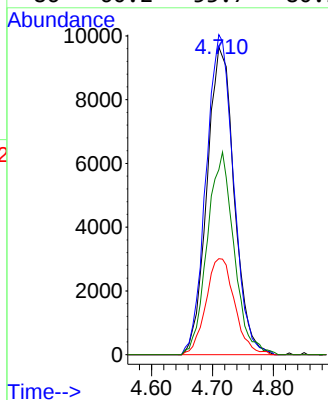
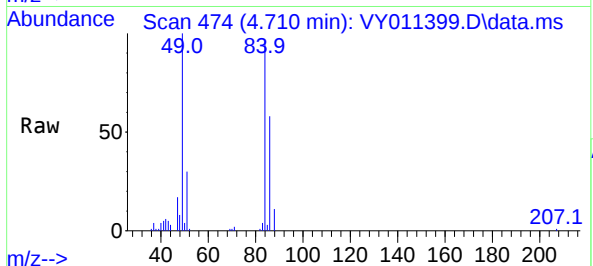




#20
Methylene Chloride
Concen: 5.746 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

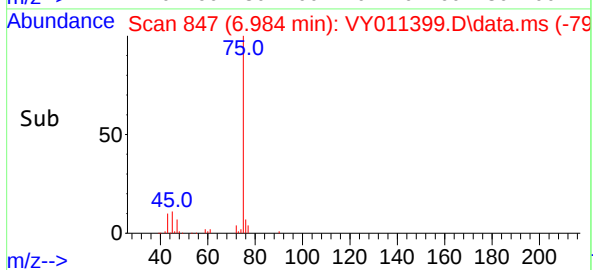
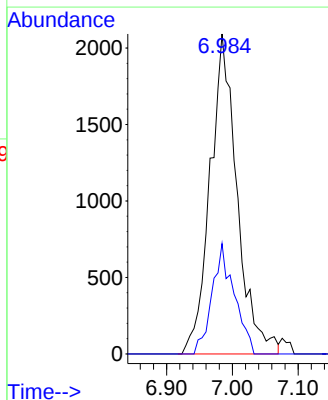
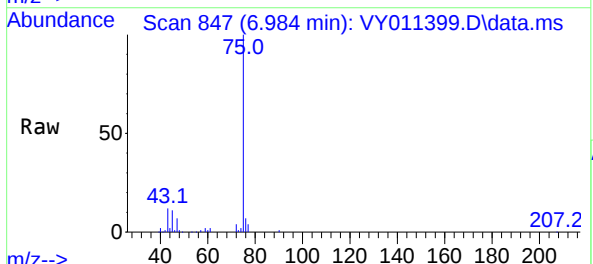
Instrument :
MSVOA_Y
ClientSampleId :
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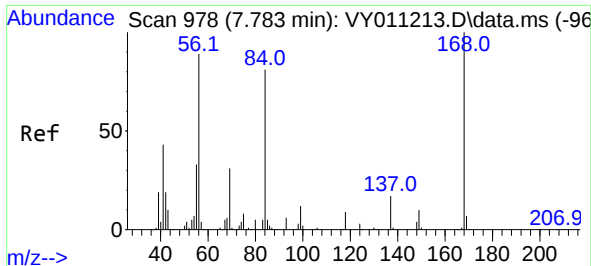
Tgt Ion:	84	Resp:	29902
Ion	Ratio	Lower	Upper
84	100		
49	104.1	114.4	171.6#
51	31.2	35.3	52.9#
86	60.2	53.7	80.5



#25
2-Butanone
Concen: 9.438 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

Tgt Ion:	43	Resp:	5975
Ion	Ratio	Lower	Upper
43	100		
72	34.5	17.7	26.5#

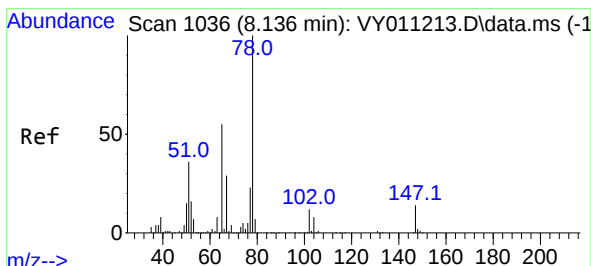
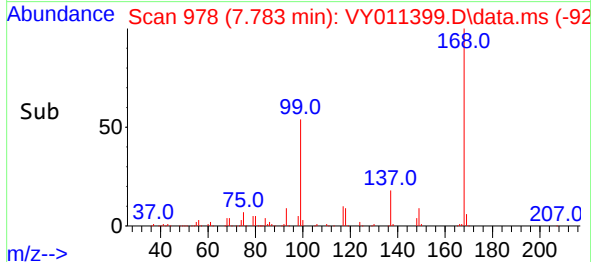
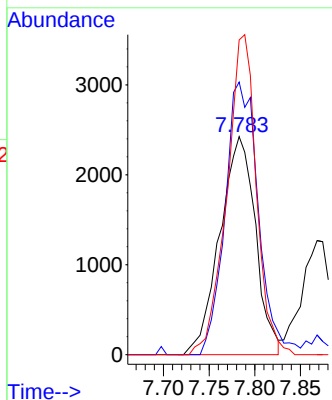
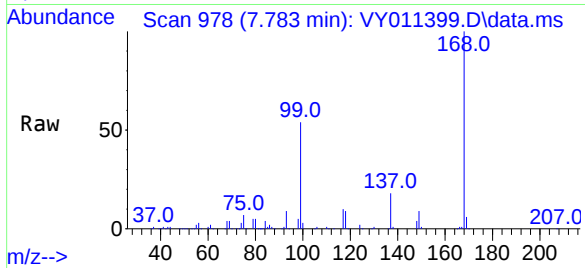




#31
Cyclohexane
Concen: 2.176 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

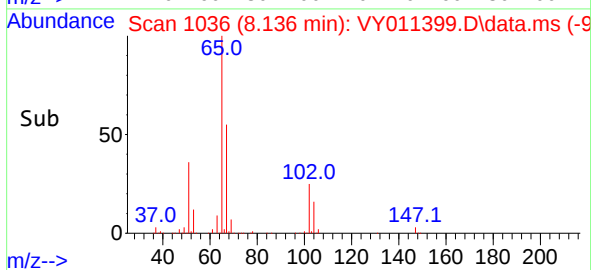
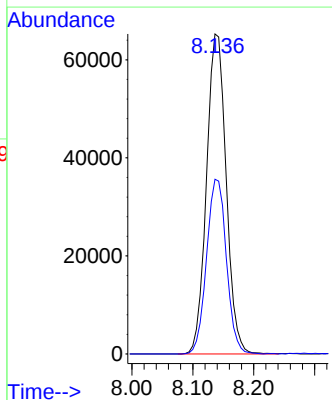
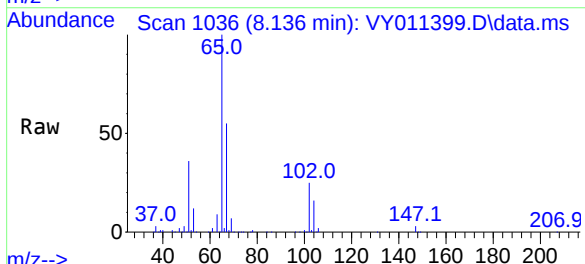
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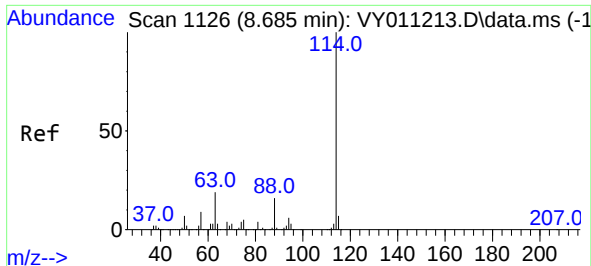
Tgt Ion: 56 Resp: 6586
Ion Ratio Lower Upper
56 100
69 125.0 26.7 40.1#
84 144.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 86.993 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

Tgt Ion: 65 Resp: 146516
Ion Ratio Lower Upper
65 100
67 54.9 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: VY011399.D

Acq: 10 Nov 2022 18:32

Instrument :

MSVOA_Y

ClientSampleId :

SB-28A

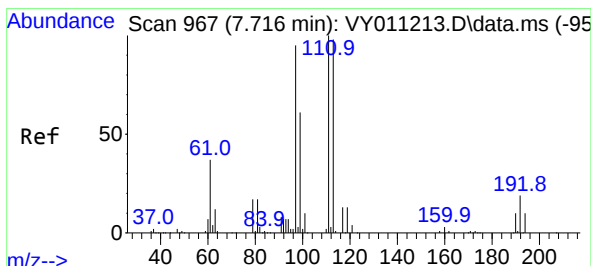
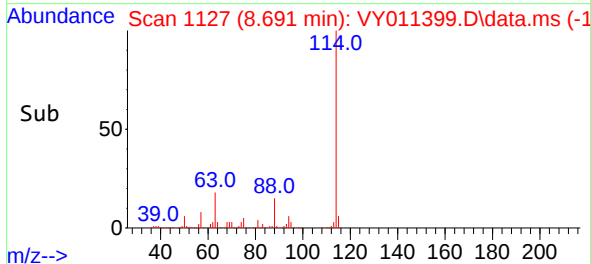
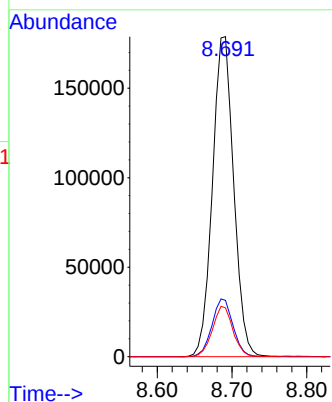
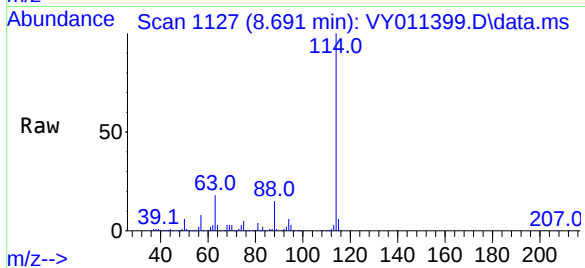
Tgt Ion:114 Resp: 352618

Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 74.702 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011399.D

Acq: 10 Nov 2022 18:32

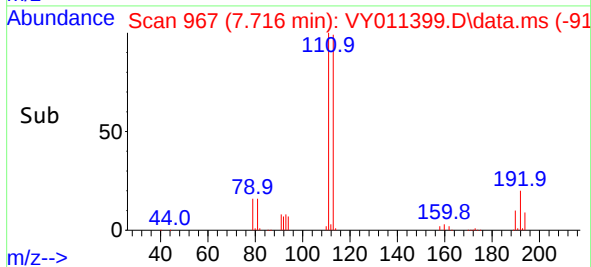
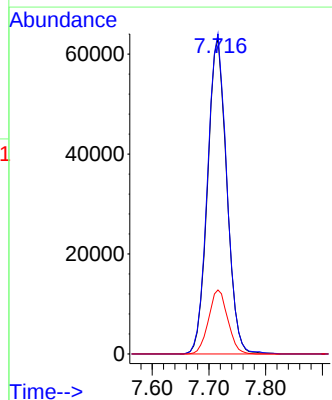
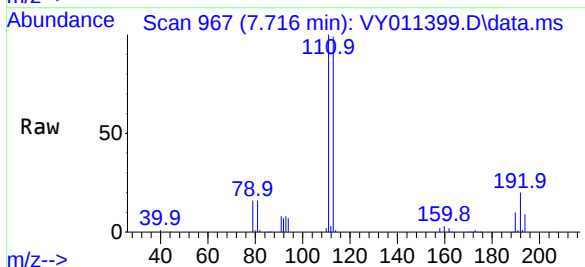
Tgt Ion:113 Resp: 147622

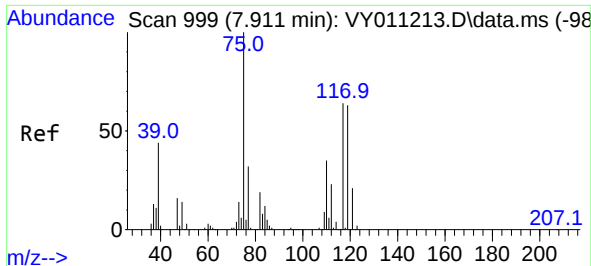
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 20.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.433 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011399.D

Acq: 10 Nov 2022 18:32

Instrument :

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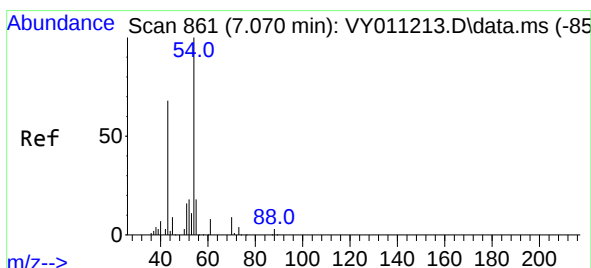
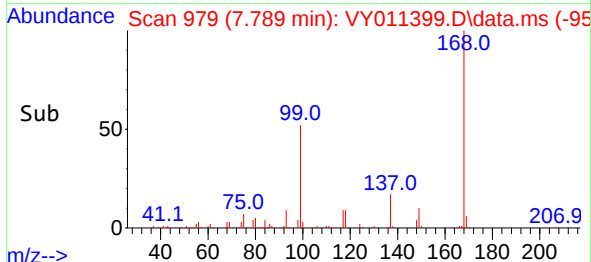
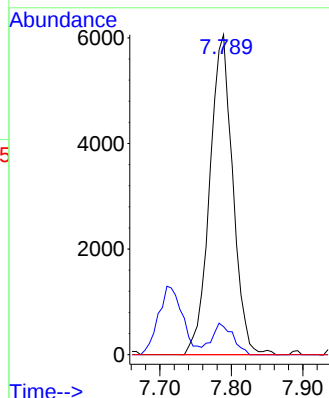
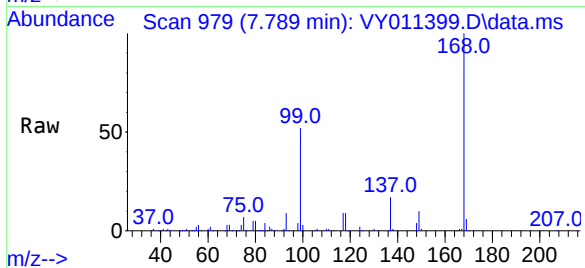
Tgt Ion: 75 Resp: 13598

Ion Ratio Lower Upper

75 100

110 8.8 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 4.055 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011399.D

Acq: 10 Nov 2022 18:32

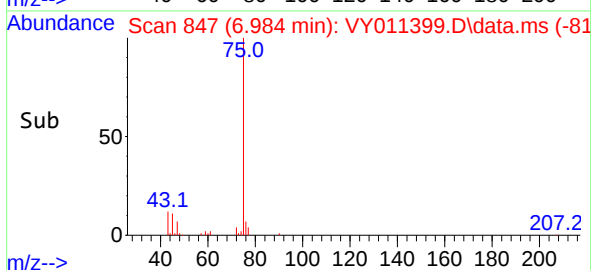
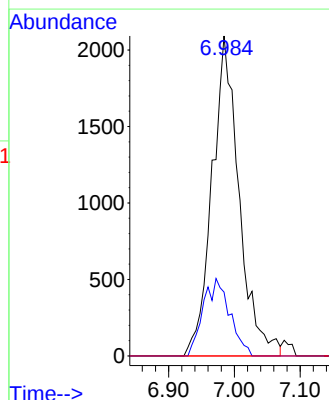
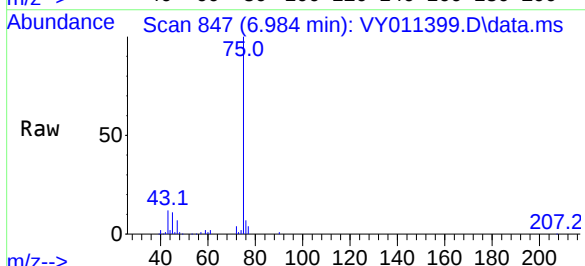
Tgt Ion: 43 Resp: 5975

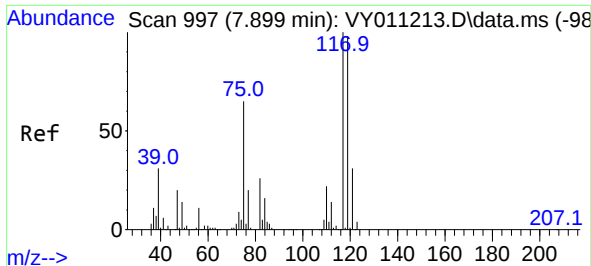
Ion Ratio Lower Upper

43 100

61 23.8 9.7 14.5#

70 0.0 7.1 10.7#

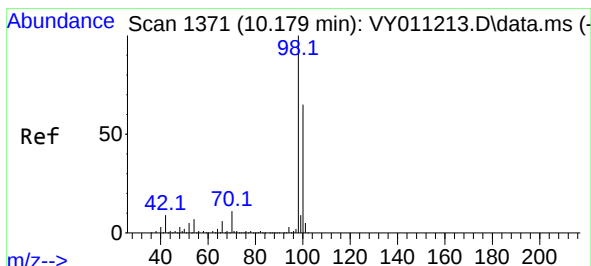
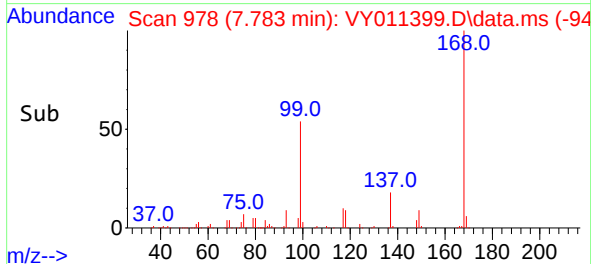
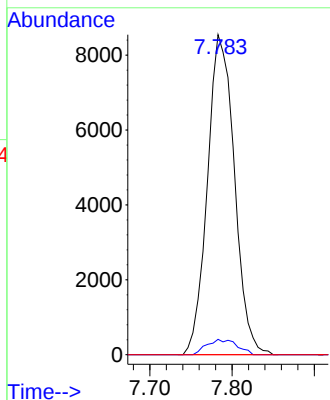
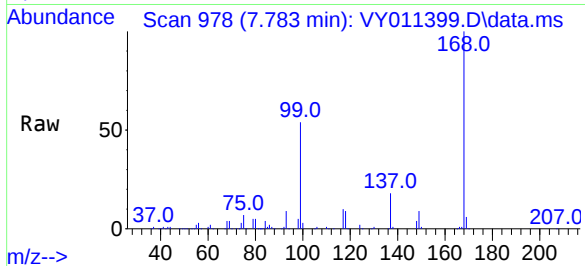




#38
Carbon Tetrachloride
Concen: 5.853 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

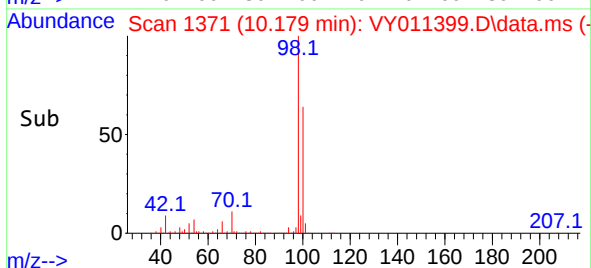
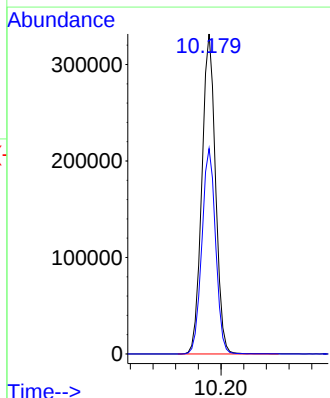
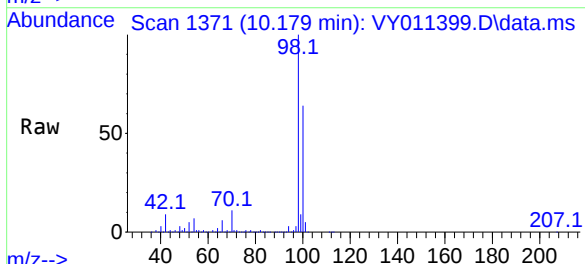
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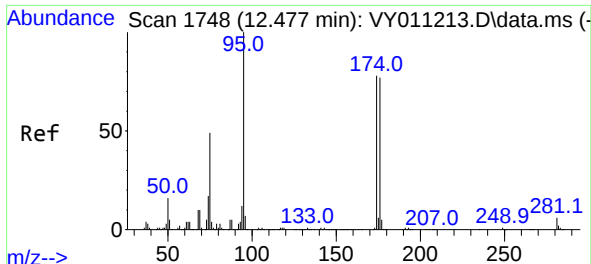
Tgt Ion:117 Resp: 19526
Ion Ratio Lower Upper
117 100
119 4.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 73.357 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

Tgt Ion: 98 Resp: 553808
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2

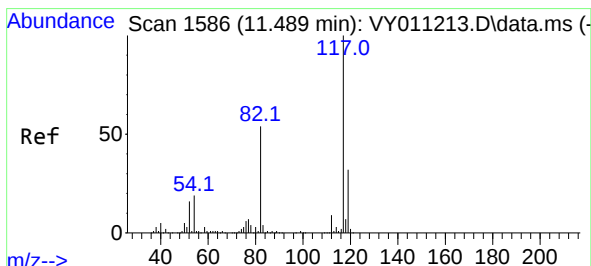
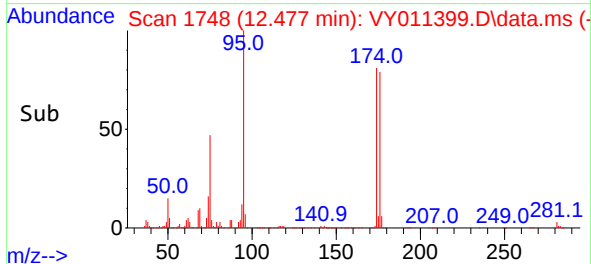
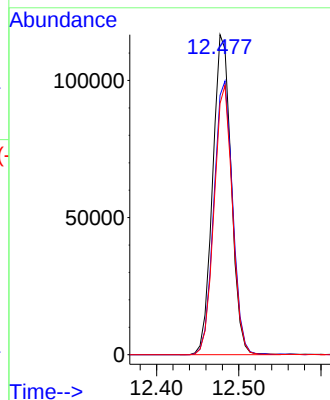
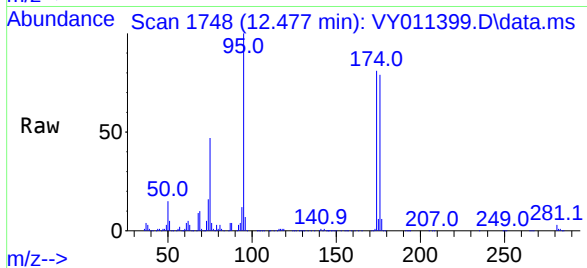




#62
4-Bromofluorobenzene
Concen: 69.317 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

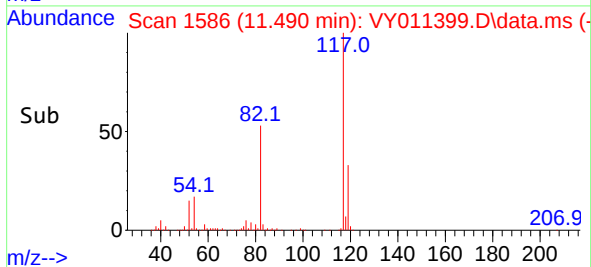
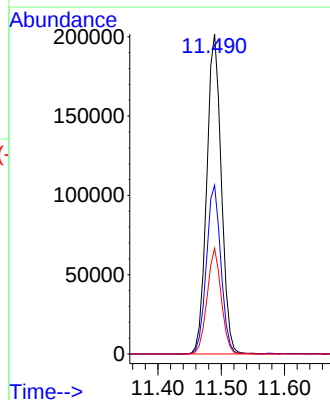
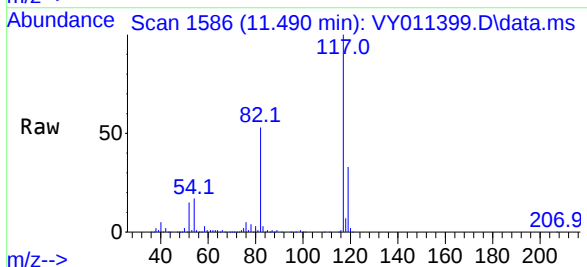
Instrument :
MSVOA_Y
ClientSampleId :
SB-28A

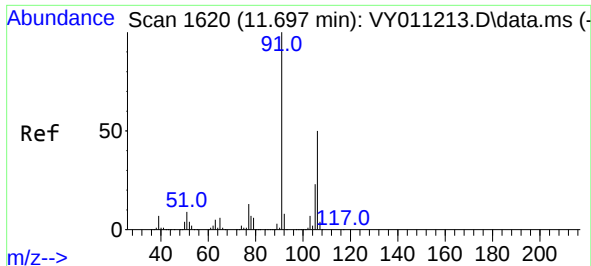
Tgt Ion: 95 Resp: 182525
Ion Ratio Lower Upper
95 100
174 86.7 0.0 177.0
176 83.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

Tgt Ion: 117 Resp: 323660
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.4
119 33.0 25.4 38.0

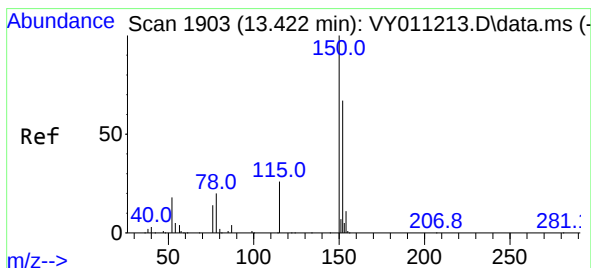
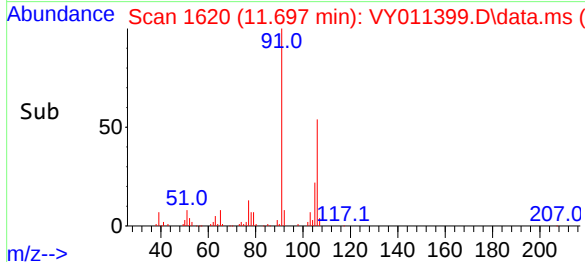
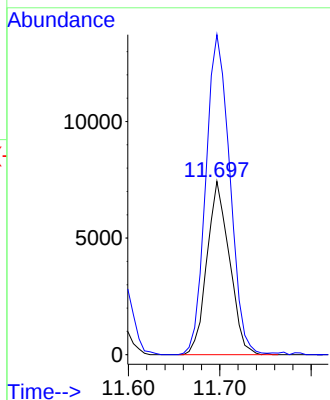
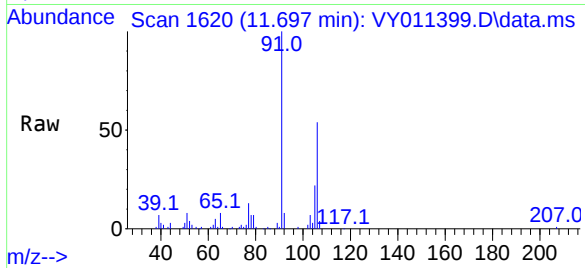




#68
m/p-Xylenes
Concen: 2.861 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

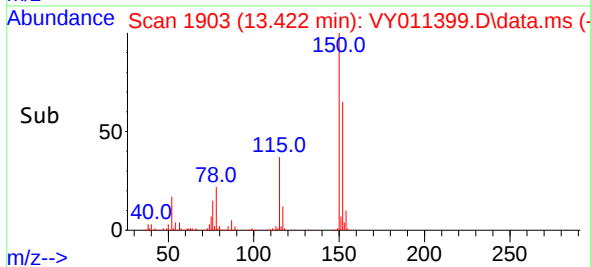
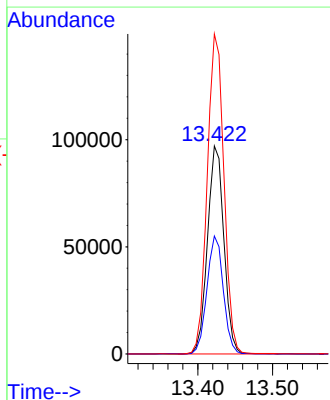
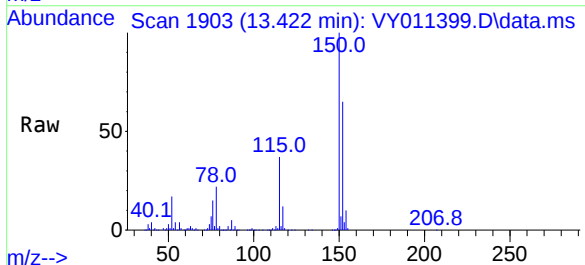
Instrument :
MSVOA_Y
ClientSampleId :
SB-28A

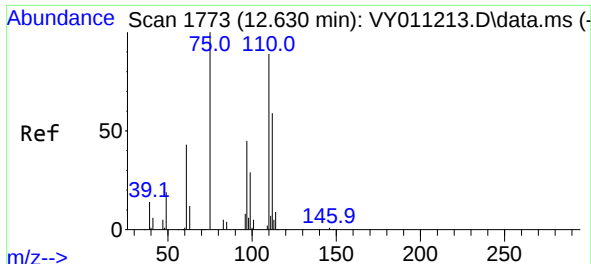
Tgt Ion:106 Resp: 12696
Ion Ratio Lower Upper
106 100
91 197.3 166.6 249.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

Tgt Ion:152 Resp: 148039
Ion Ratio Lower Upper
152 100
115 56.7 28.2 84.7
150 156.2 0.0 347.6

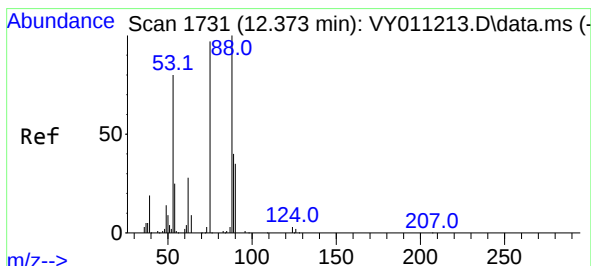
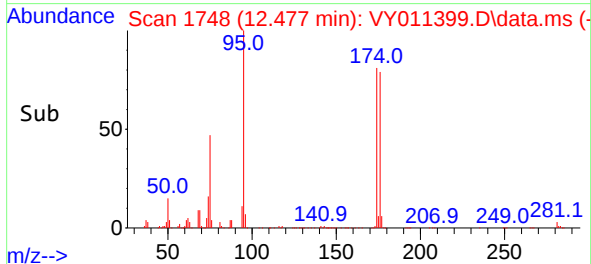
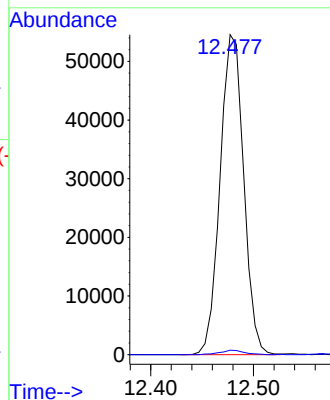
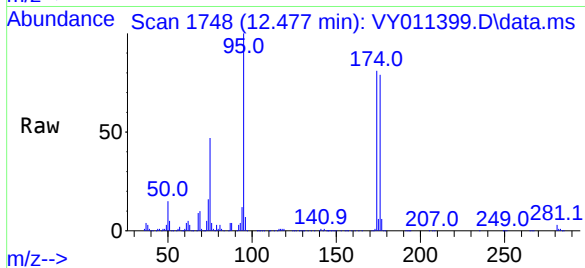




#76
1,2,3-Trichloropropane
Concen: 50.754 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

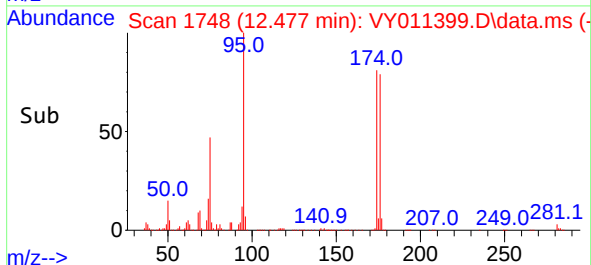
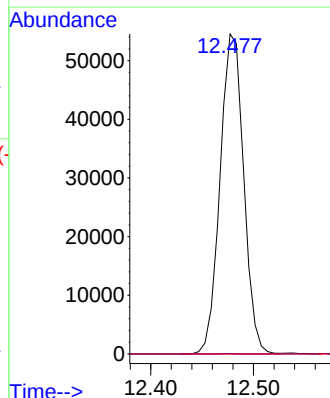
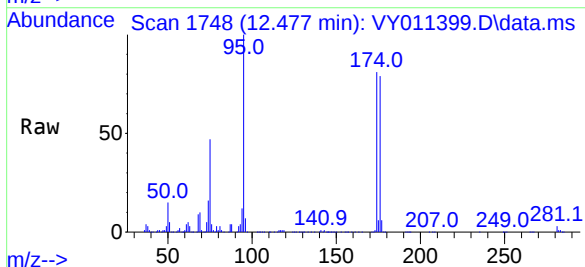
Instrument :
MSVOA_Y
ClientSampleId :
SB-28A

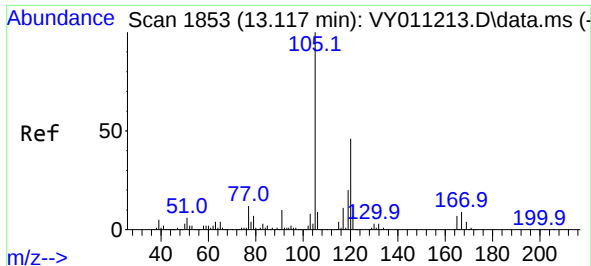
Tgt Ion: 75 Resp: 86972
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.998 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

Tgt Ion: 75 Resp: 86972
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

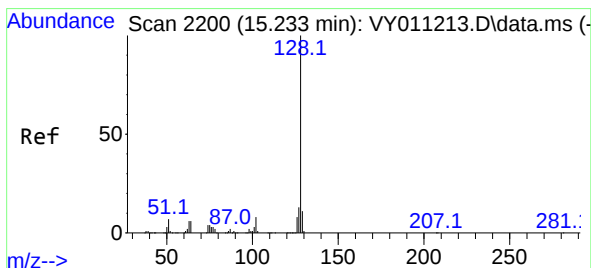
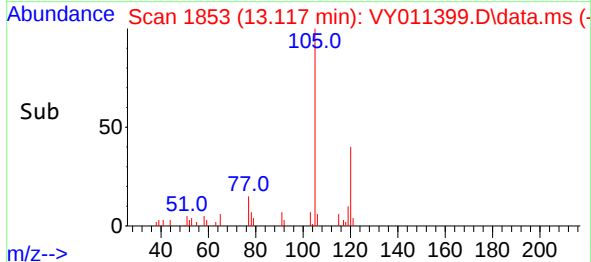
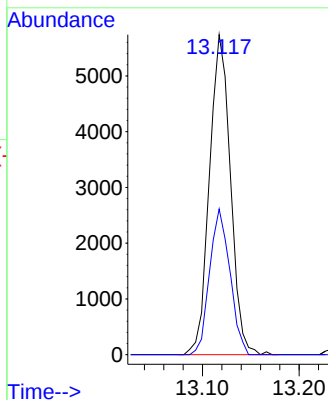
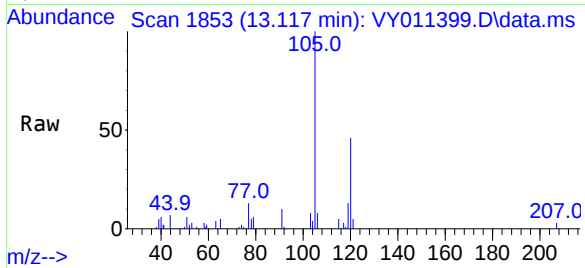




#84
1,2,4-Trimethylbenzene
Concen: 1.024 ug/l
RT: 13.117 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

Instrument :
MSVOA_Y
ClientSampleId :
SB-28A

Tgt Ion:105 Resp: 8676
Ion Ratio Lower Upper
105 100
120 44.0 22.3 66.9



#95
Naphthalene
Concen: 3.356 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011399.D
Acq: 10 Nov 2022 18:32

Tgt Ion:128 Resp: 485
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

