

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100622\
 Data File : VY010850.D
 Acq On : 06 Oct 2022 17:15
 Operator : KP/MD
 Sample : N5004-06RE
 Misc : 6.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22010-18RE

Quant Time: Oct 07 02:30:37 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)

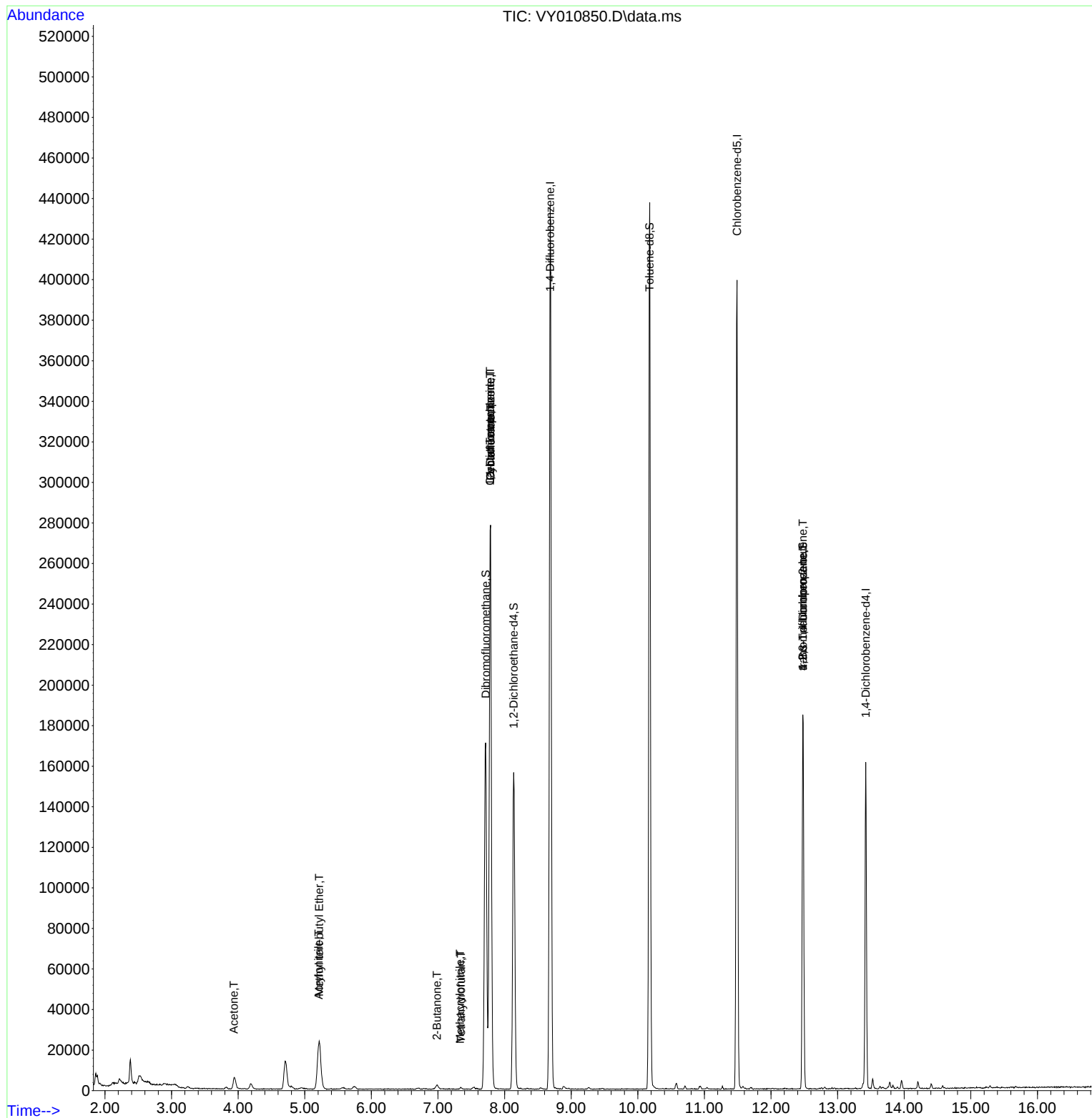
Internal Standards						
1) Pentafluorobenzene	7.789	168	213881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	369059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	218874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	40010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	122740	56.616	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.240%			
35) Dibromofluoromethane	7.716	113	123451	50.391	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.780%			
50) Toluene-d8	10.179	98	289065	34.502	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 69.000%			
62) 4-Bromofluorobenzene	12.477	95	56243	14.576	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 29.160%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	1381	Below Cal	#	77
15) Acrylonitrile	5.210	53	650	1.148	ug/l #	32
16) Acetone	3.936	43	10713	19.457	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	39488	7.460	ug/l	97
20) Methylene Chloride	4.710	84	10810	Below Cal		89
25) 2-Butanone	6.984	43	3156	3.987	ug/l	95
29) Tetrahydrofuran	7.344	42	519	1.115	ug/l #	69
31) Cyclohexane	7.789	56	4325	1.115	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16950	4.793	ug/l #	51
38) Carbon Tetrachloride	7.783	117	21685	5.887	ug/l #	16
41) Methacrylonitrile	7.332	41	294	2.856	ug/l #	24
76) 1,2,3-Trichloropropane	12.477	75	29314	72.349	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	29314	151.130	ug/l #	7

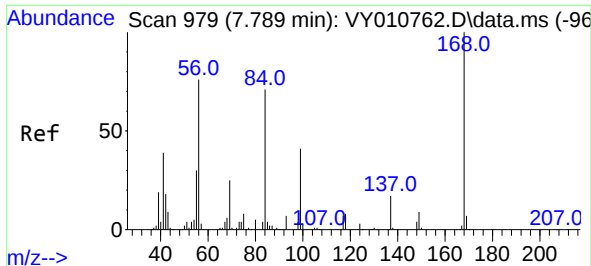
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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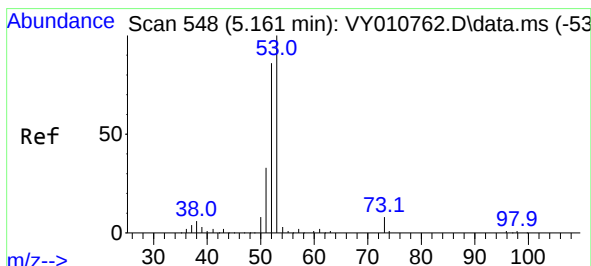
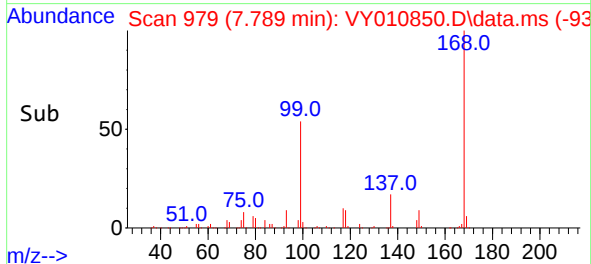
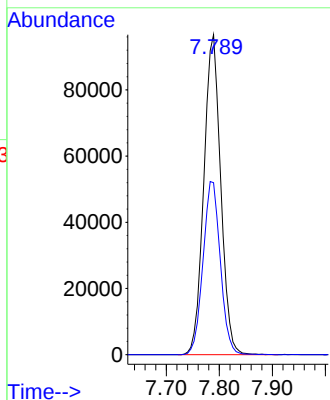
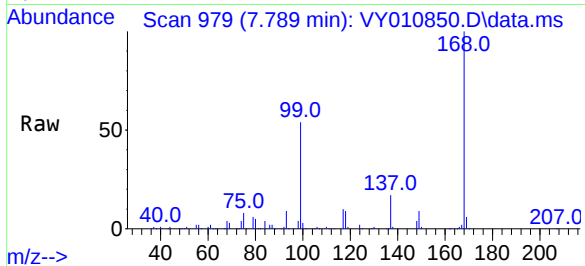




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

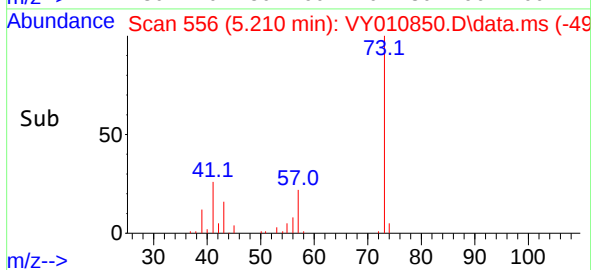
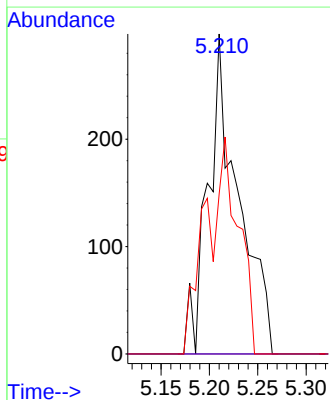
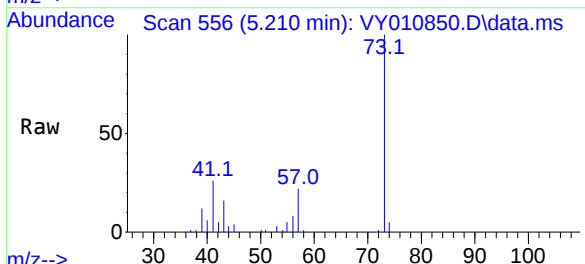
Instrument :
MSVOA_Y
ClientSampleId :
D22010-18RE

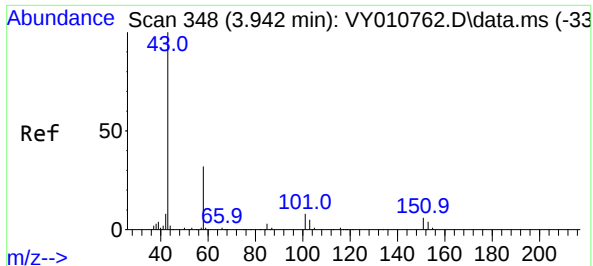
Tgt Ion:168 Resp: 213881
Ion Ratio Lower Upper
168 100
99 53.7 46.9 70.3



#15
Acrylonitrile
Concen: 1.148 ug/l
RT: 5.210 min Scan# 556
Delta R.T. 0.049 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

Tgt Ion: 53 Resp: 650
Ion Ratio Lower Upper
53 100
52 0.0 67.0 100.4#
51 45.1 29.8 44.6#

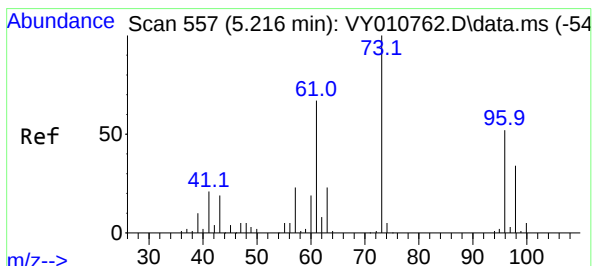
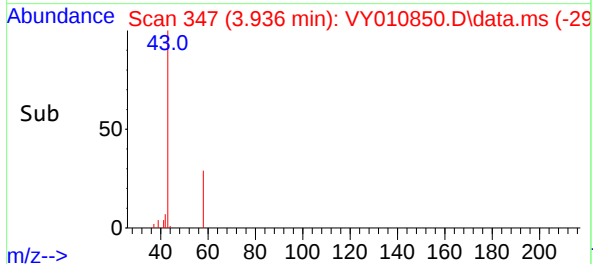
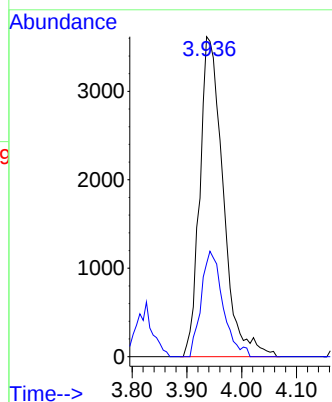
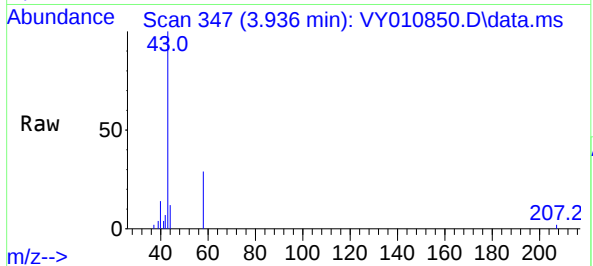




#16
Acetone
Concen: 19.457 ug/l
RT: 3.936 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

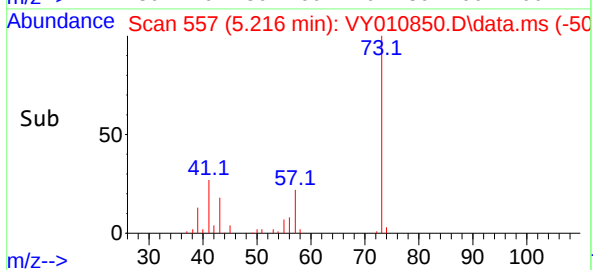
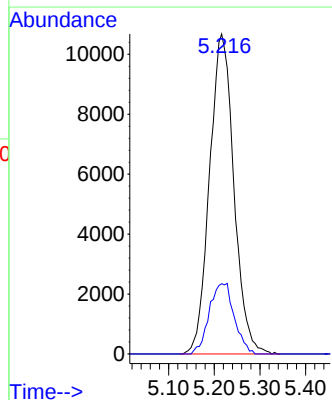
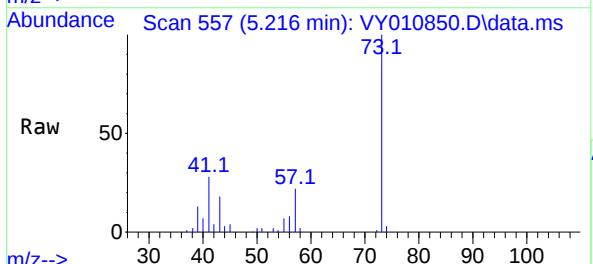
Instrument :
MSVOA_Y
ClientSampleId :
D22010-18RE

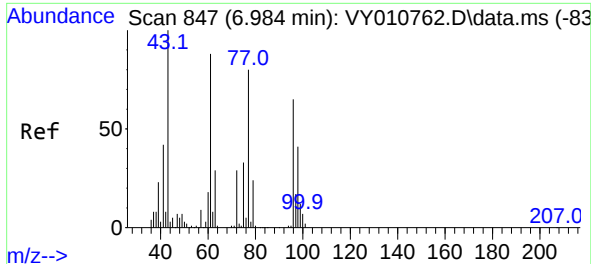
Tgt Ion: 43 Resp: 10713
Ion Ratio Lower Upper
43 100
58 29.1 22.0 33.0



#19
Methyl tert-butyl Ether
Concen: 7.460 ug/l
RT: 5.216 min Scan# 557
Delta R.T. 0.000 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

Tgt Ion: 73 Resp: 39488
Ion Ratio Lower Upper
73 100
57 21.9 18.6 27.8

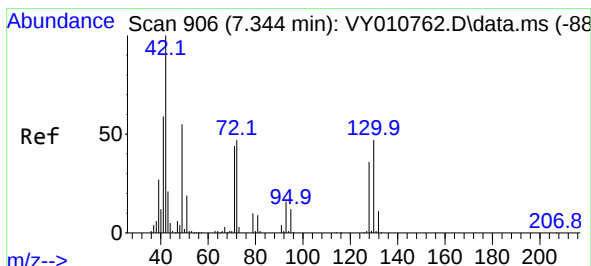
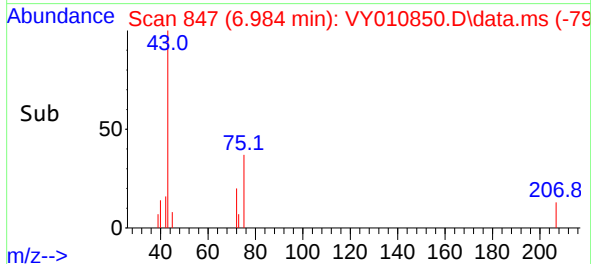
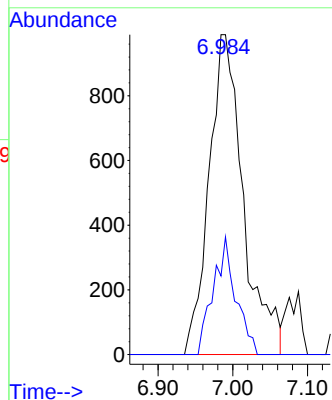
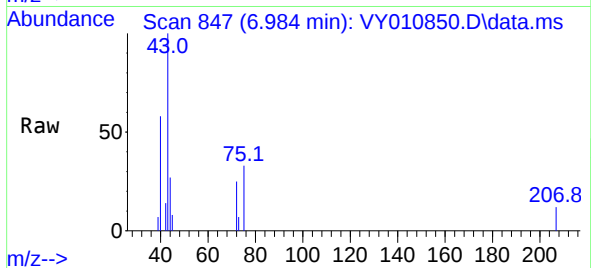




#25
2-Butanone
Concen: 3.987 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

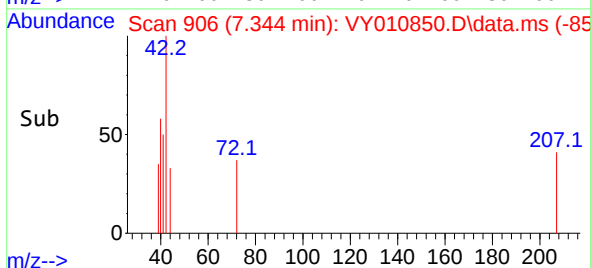
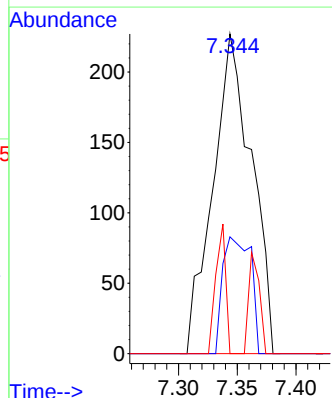
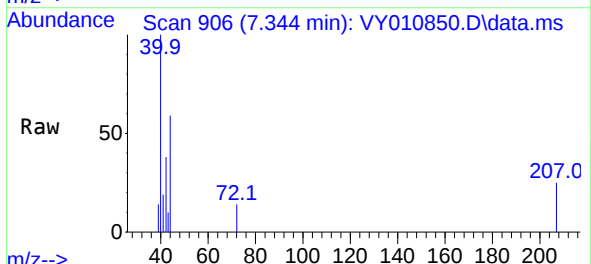
Instrument :
MSVOA_Y
ClientSampleId :
D22010-18RE

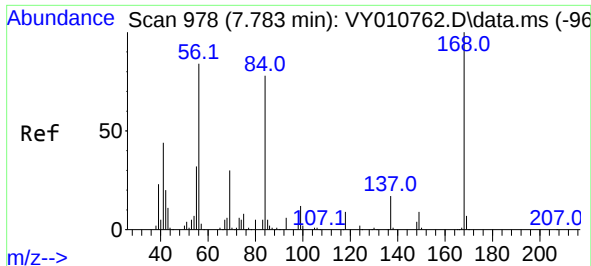
Tgt Ion: 43 Resp: 3156
Ion Ratio Lower Upper
43 100
72 24.6 17.7 26.5



#29
Tetrahydrofuran
Concen: 1.115 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

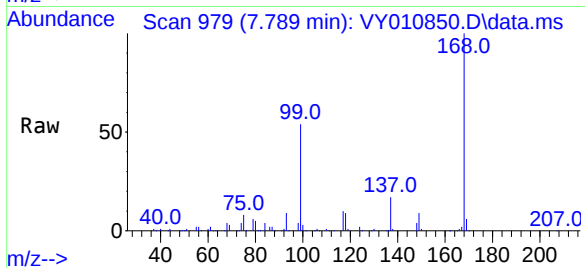
Tgt Ion: 42 Resp: 519
Ion Ratio Lower Upper
42 100
72 26.4 30.3 45.5#
71 10.4 29.0 43.4#



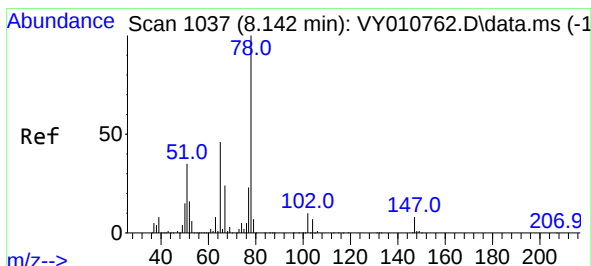
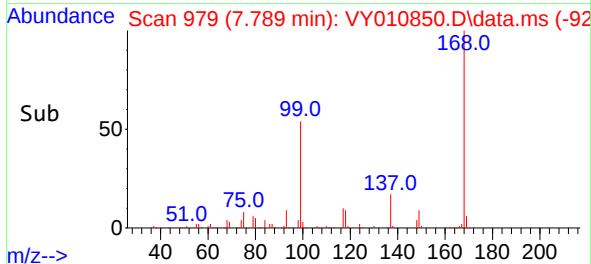
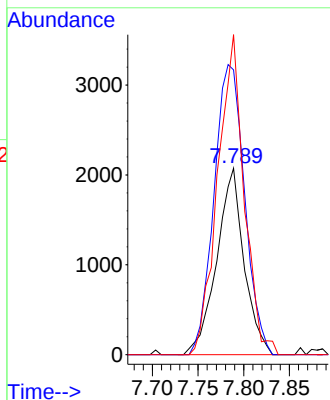


#31
Cyclohexane
Concen: 1.115 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

Instrument :
MSVOA_Y
ClientSampleId :
D22010-18RE

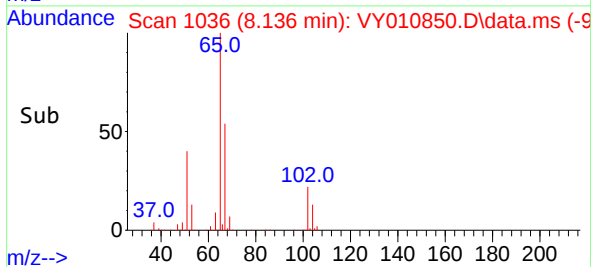
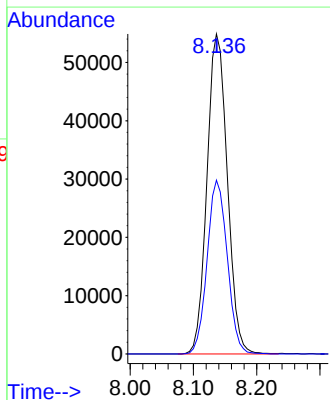
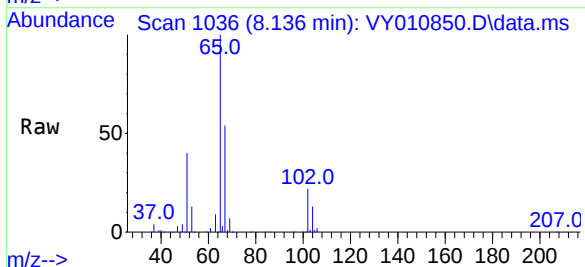


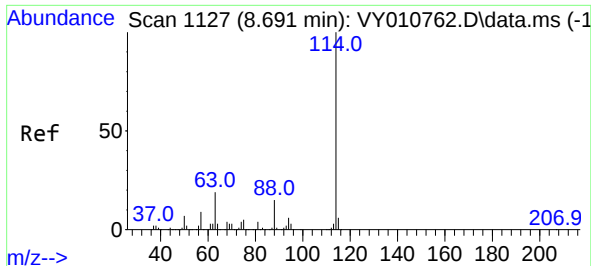
Tgt Ion: 56 Resp: 4325
Ion Ratio Lower Upper
56 100
69 152.8 26.7 40.1#
84 171.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.616 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

Tgt Ion: 65 Resp: 122740
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: VY010850.D

Acq: 06 Oct 2022 17:15

Instrument :

MSVOA_Y

ClientSampleId :

D22010-18RE

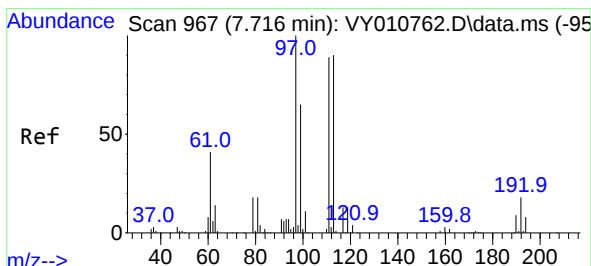
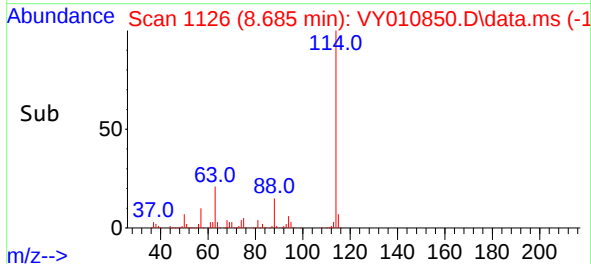
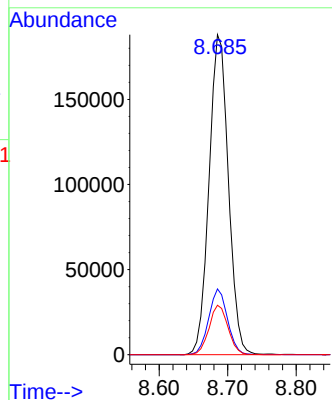
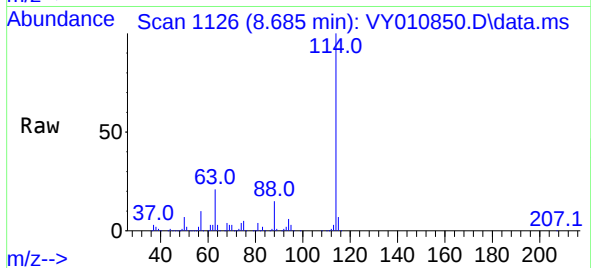
Tgt Ion:114 Resp: 369059

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.391 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010850.D

Acq: 06 Oct 2022 17:15

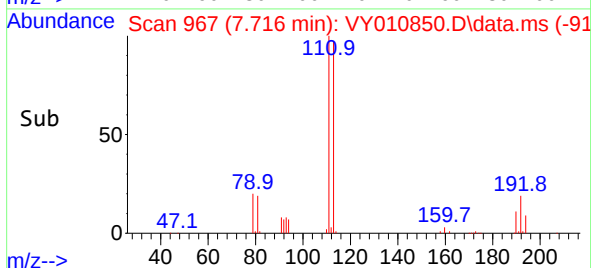
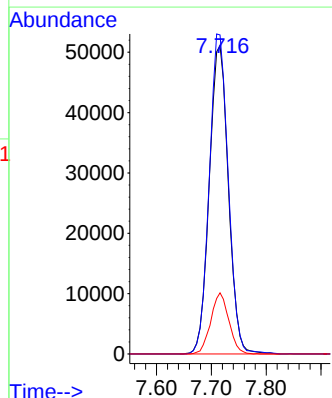
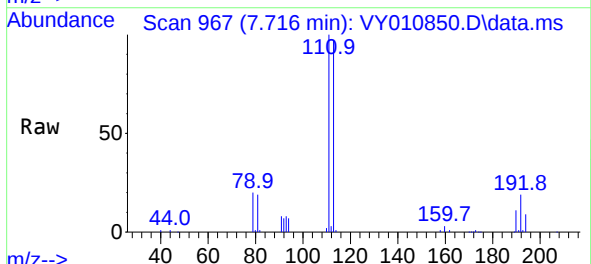
Tgt Ion:113 Resp: 123451

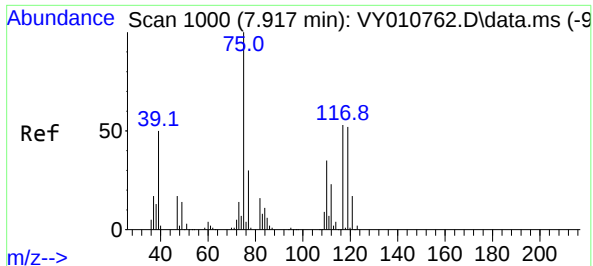
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 18.7 17.6 26.4

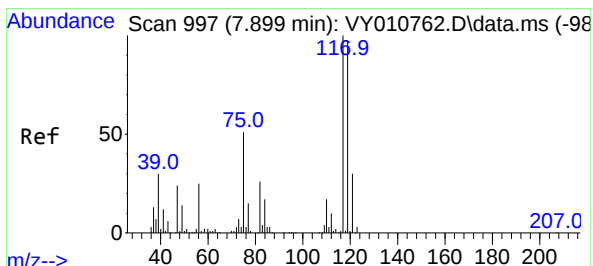
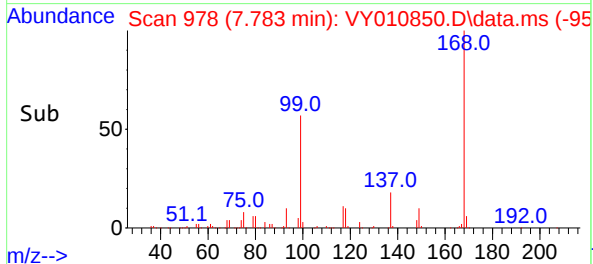
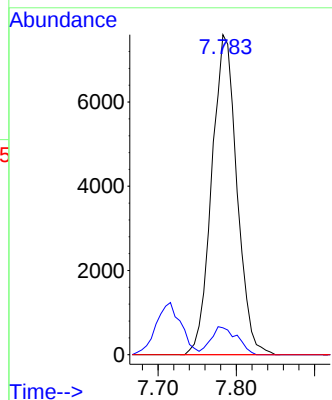
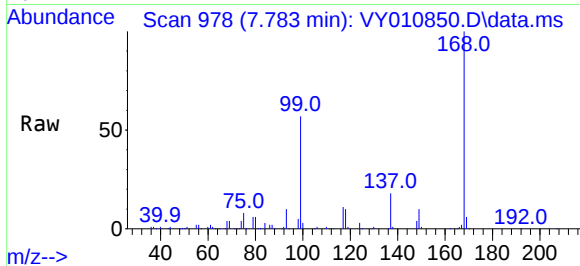




#36
1,1-Dichloropropene
Concen: 4.793 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

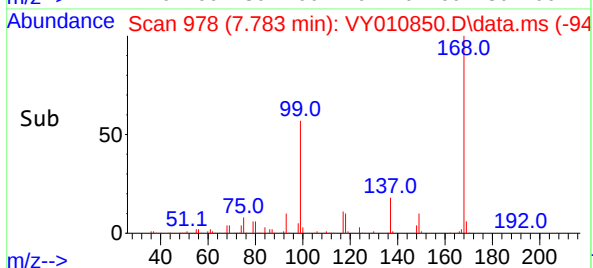
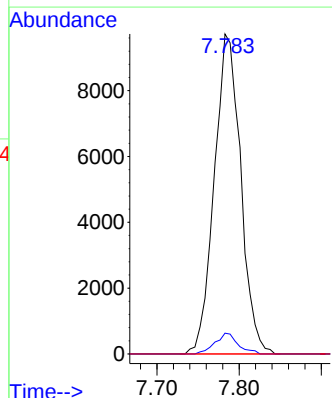
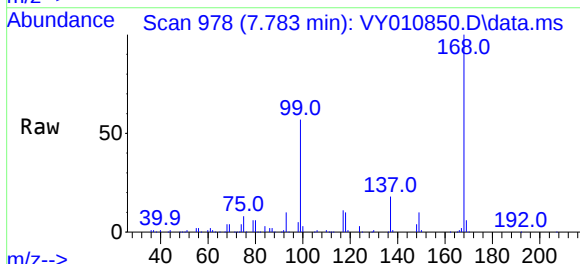
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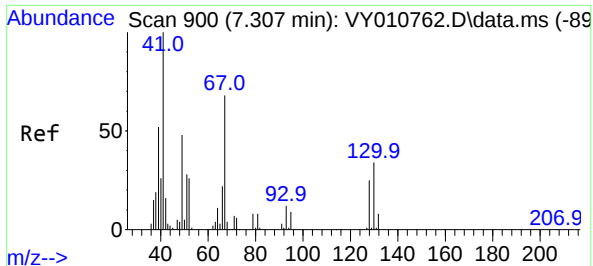
Tgt Ion: 75 Resp: 16950
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.887 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

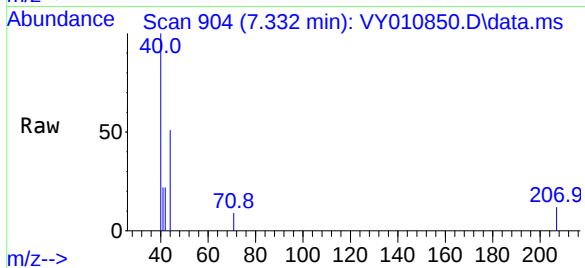
Tgt Ion: 117 Resp: 21685
Ion Ratio Lower Upper
117 100
119 6.5 77.9 116.9#
121 0.0 24.8 37.2#



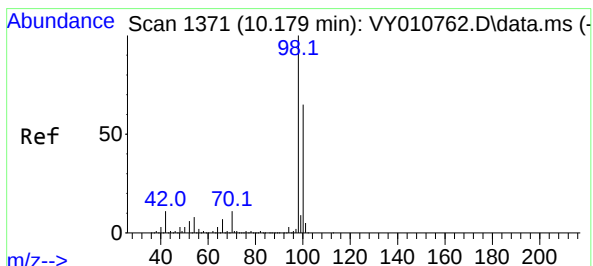
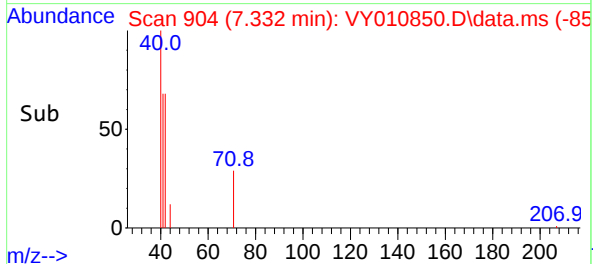
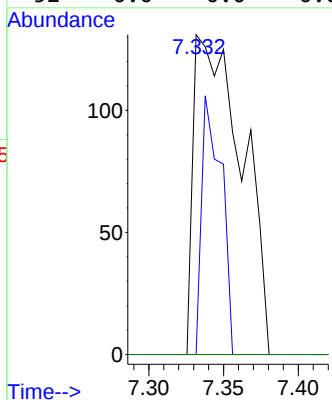


#41
Methacrylonitrile
Concen: 2.856 ug/l
RT: 7.332 min Scan# 904
Delta R.T. 0.025 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

Instrument :
MSVOA_Y
ClientSampleId :
D22010-18RE

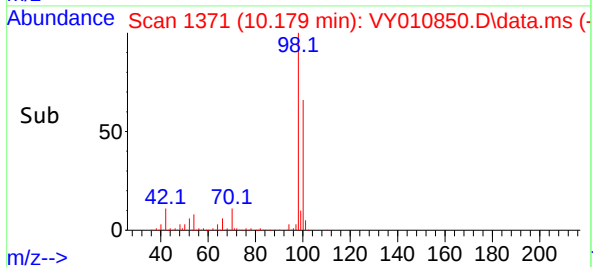
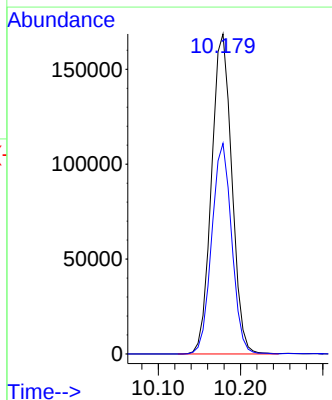
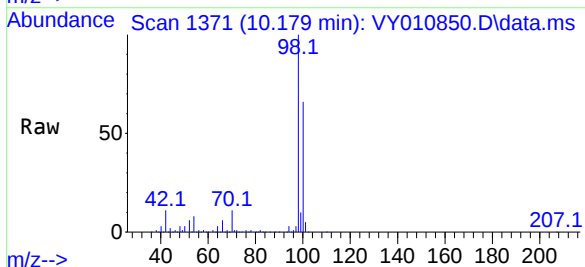


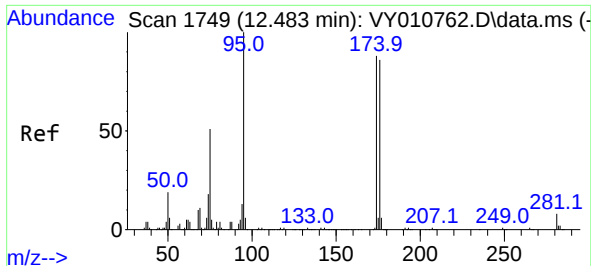
Tgt Ion: 41 Resp: 294
Ion Ratio Lower Upper
41 100
39 33.0 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 34.502 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

Tgt Ion: 98 Resp: 289065
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2

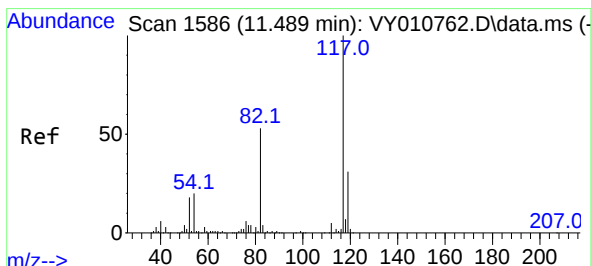
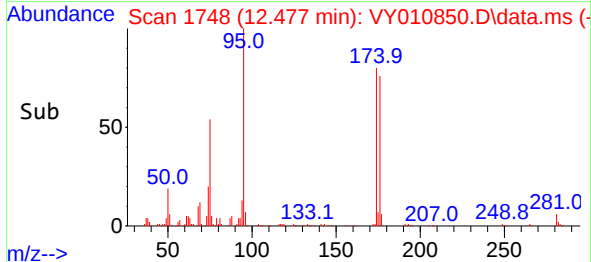
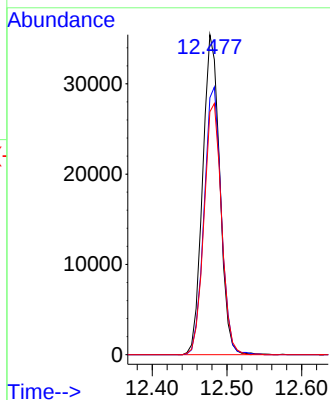
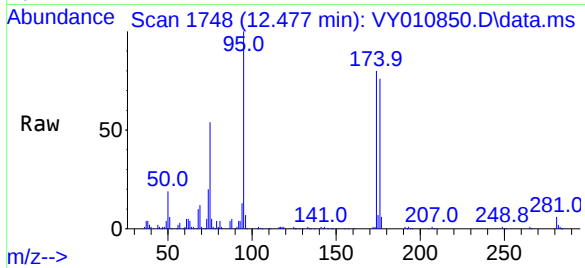




#62
4-Bromofluorobenzene
Concen: 14.576 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

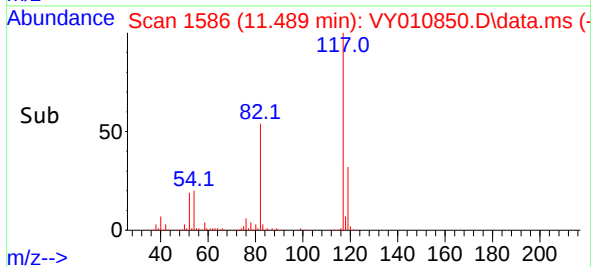
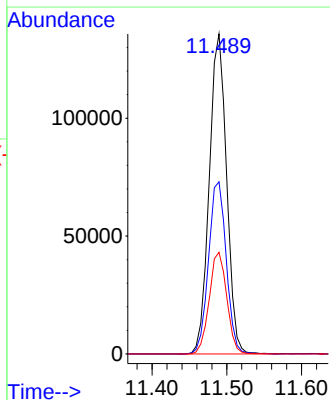
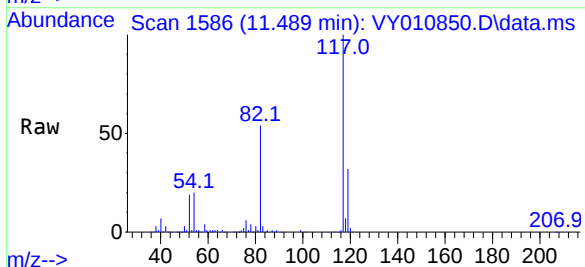
Instrument :
MSVOA_Y
ClientSampleId :
D22010-18RE

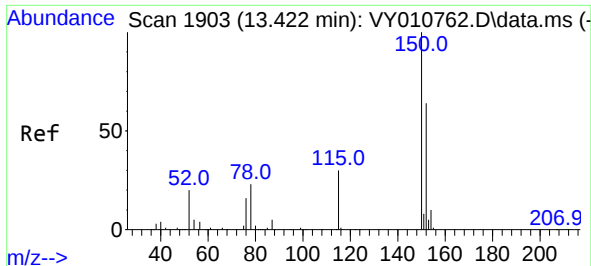
Tgt Ion: 95 Resp: 56243
Ion Ratio Lower Upper
95 100
174 83.8 0.0 177.0
176 80.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

Tgt Ion: 117 Resp: 218874
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 31.8 25.4 38.0

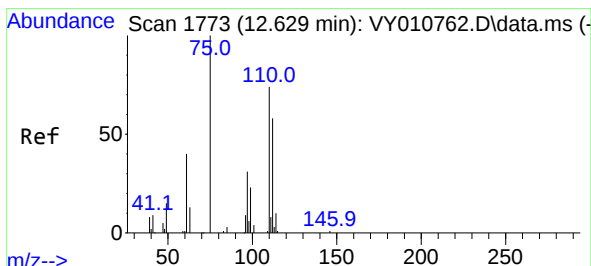
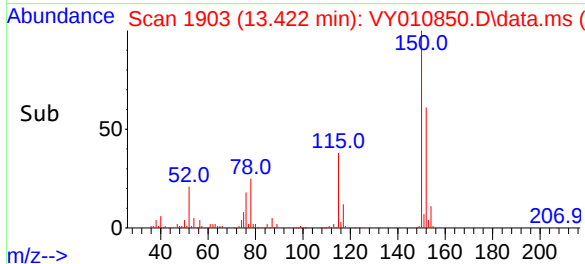
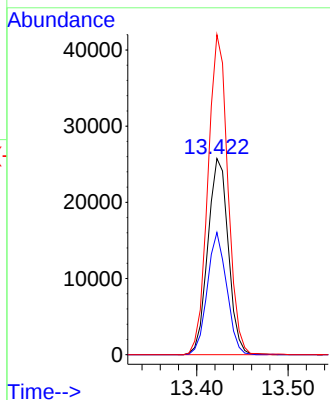
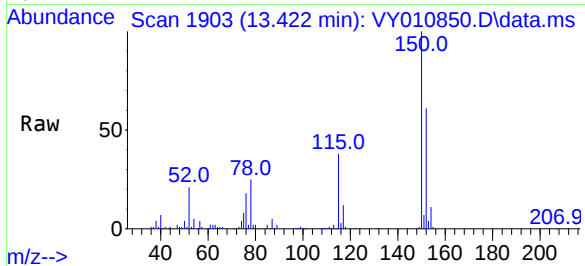




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

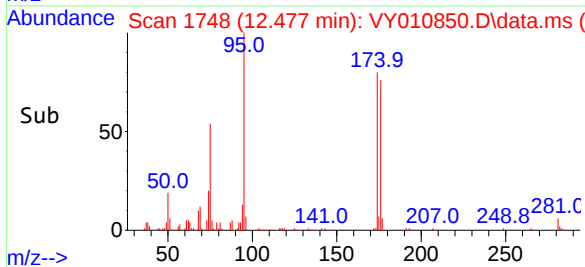
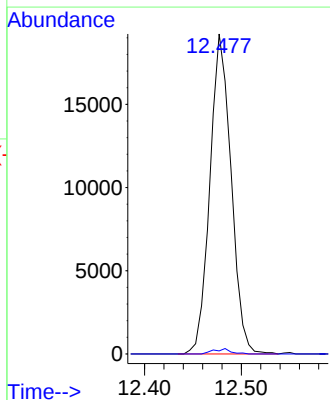
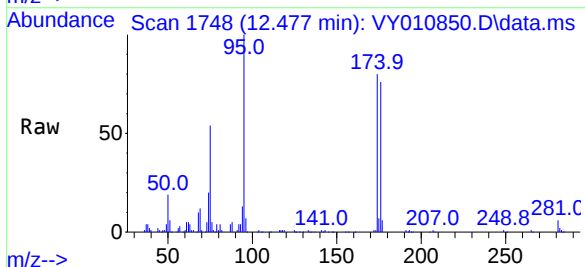
Instrument :
MSVOA_Y
ClientSampleId :
D22010-18RE

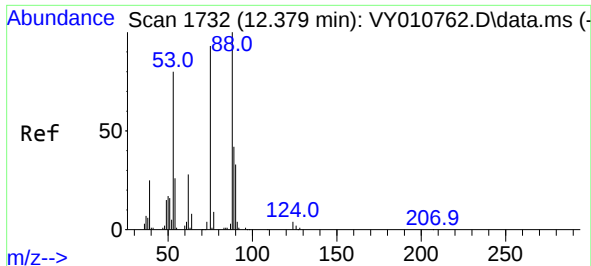
Tgt Ion:152 Resp: 40010
Ion Ratio Lower Upper
152 100
115 59.0 28.2 84.7
150 159.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 72.349 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010850.D
Acq: 06 Oct 2022 17:15

Tgt Ion: 75 Resp: 29314
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.130 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY010850.D
 Acq: 06 Oct 2022 17:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22010-18RE

Tgt Ion: 75 Resp: 29314
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

