

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122322\
 Data File : VY011993.D
 Acq On : 23 Dec 2022 13:28
 Operator : KP/MD
 Sample : N6196-05
 Misc : 8.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 23 22:24:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

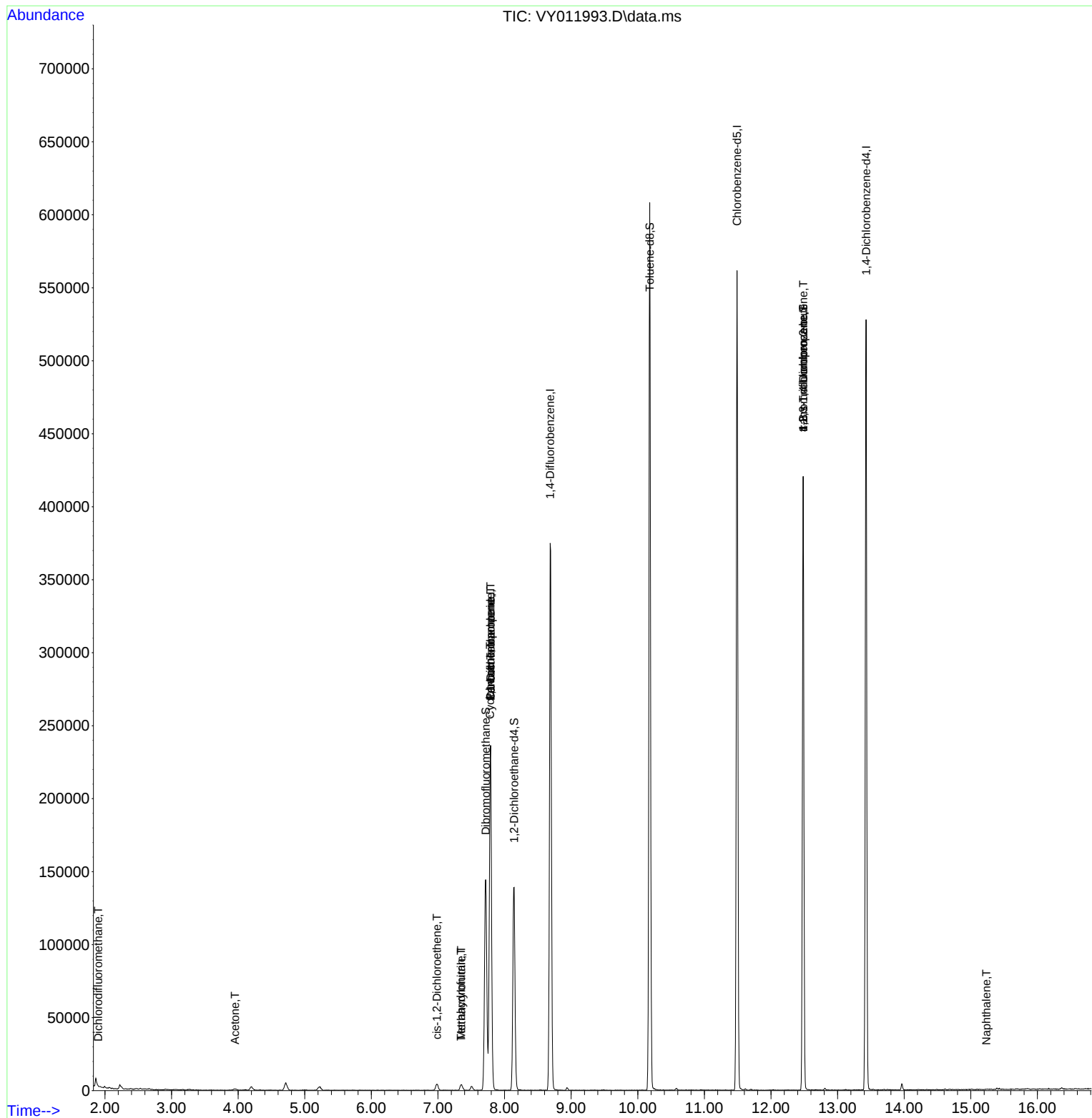
Internal Standards						
1) Pentafluorobenzene	7.789	168	184677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	327006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	304961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	114106	61.328	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.660%	
35) Dibromofluoromethane	7.716	113	101470	51.542	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.080%	
50) Toluene-d8	10.179	98	394208	49.354	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.700%	
62) 4-Bromofluorobenzene	12.483	95	124063	46.183	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.360%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	39	2.493	ug/l #	41
11) Tert butyl alcohol	4.966	59	44	Below Cal	#	74
16) Acetone	3.954	43	1778	8.013	ug/l #	79
20) Methylene Chloride	4.710	84	3985	Below Cal	#	82
27) cis-1,2-Dichloroethene	6.984	96	2882	1.342	ug/l	84
29) Tetrahydrofuran	7.344	42	2980	8.486	ug/l	93
31) Cyclohexane	7.783	56	3560	1.137	ug/l #	19
36) 1,1-Dichloropropene	7.789	75	13343	4.225	ug/l #	51
38) Carbon Tetrachloride	7.789	117	18580	5.095	ug/l #	17
41) Methacrylonitrile	7.350	41	1936	2.826	ug/l #	100
76) 1,2,3-Trichloropropane	12.483	75	64687	37.590	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	64687	102.941	ug/l #	13
95) Naphthalene	15.233	128	515	2.874	ug/l #	69

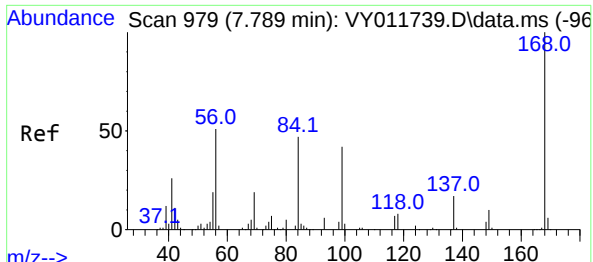
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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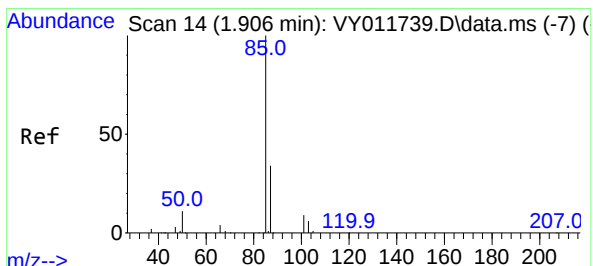
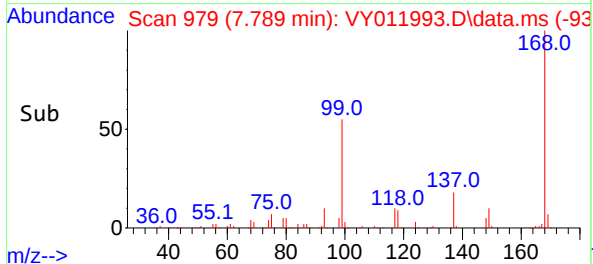
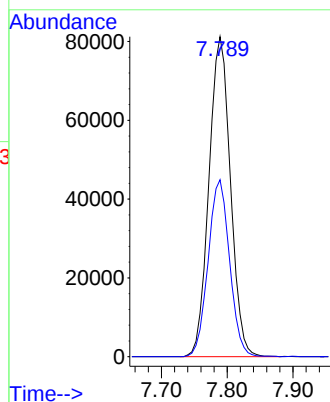
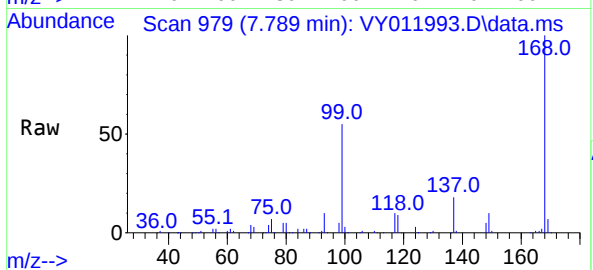




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

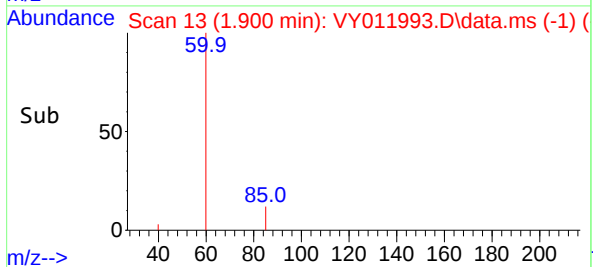
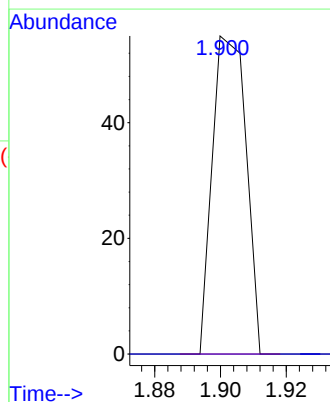
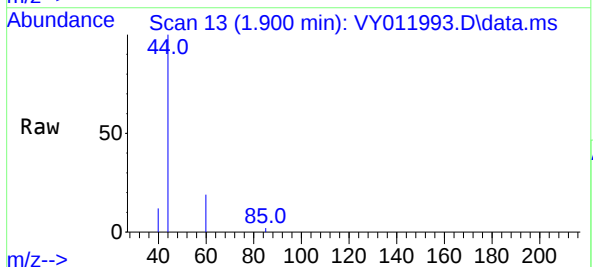
Instrument :
MSVOA_Y
ClientSampleId :

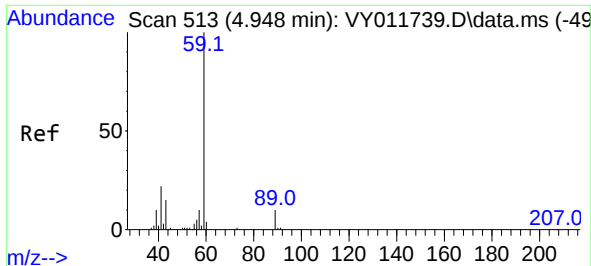
Tgt Ion:168 Resp: 184677
Ion Ratio Lower Upper
168 100
99 55.3 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.493 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

Tgt Ion: 85 Resp: 39
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

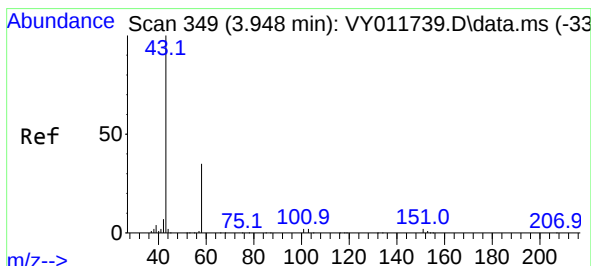
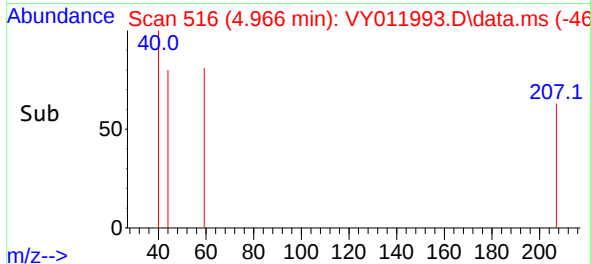
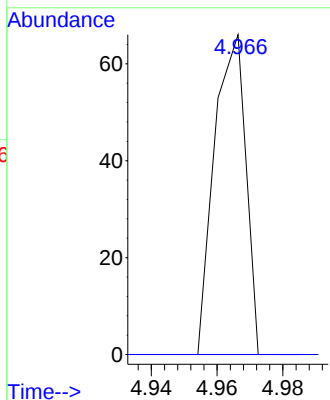
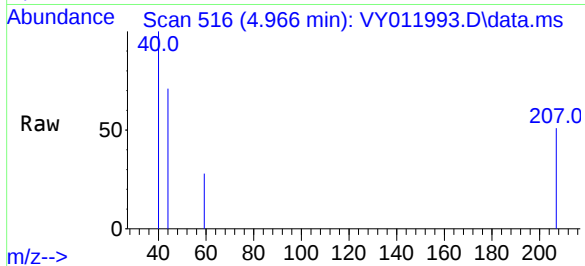




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 51
Delta R.T. 0.018 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

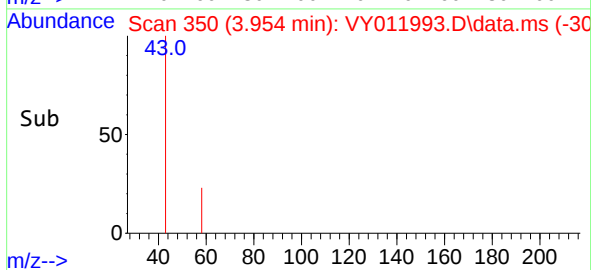
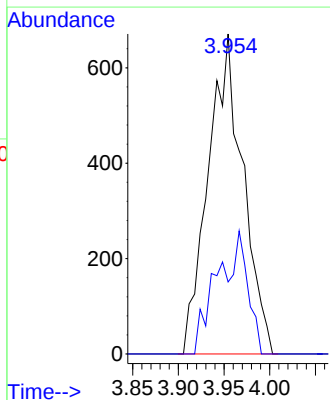
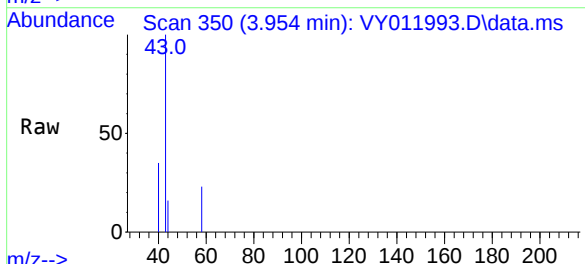
Instrument :
MSVOA_Y
ClientSampleId :

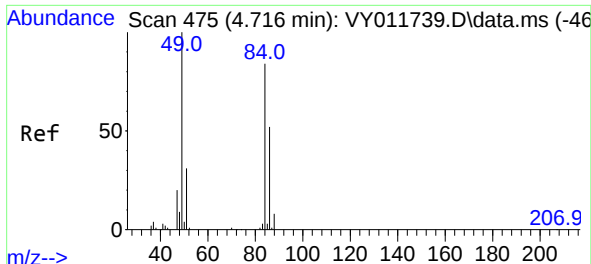
Tgt Ion: 59 Resp: 44
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 8.013 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

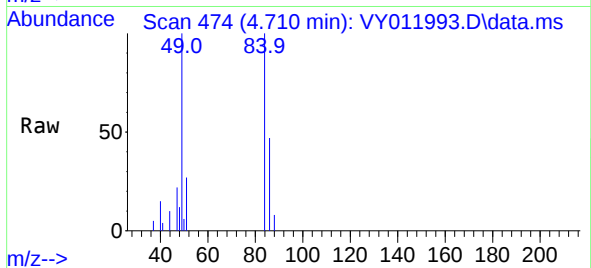
Tgt Ion: 43 Resp: 1778
Ion Ratio Lower Upper
43 100
58 22.5 27.9 41.9#





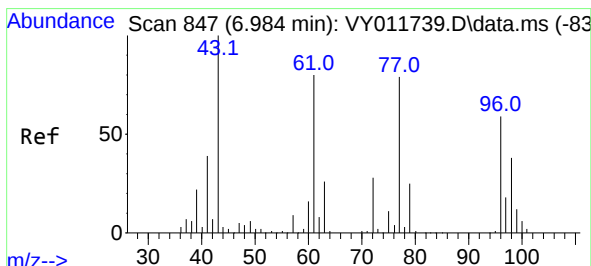
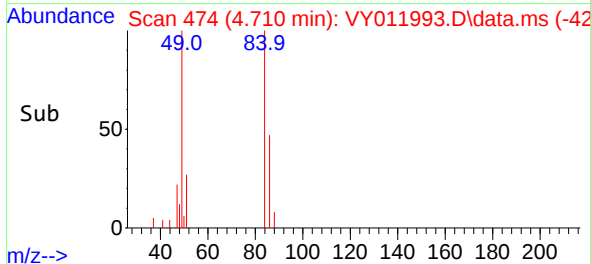
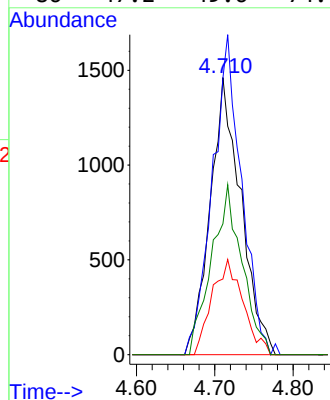
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 3985

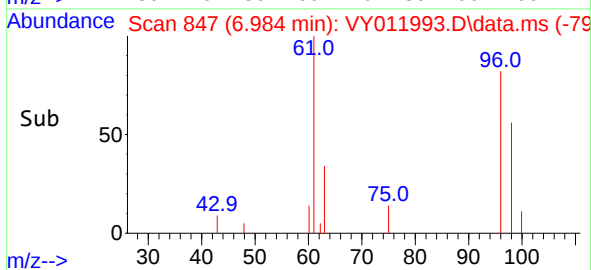
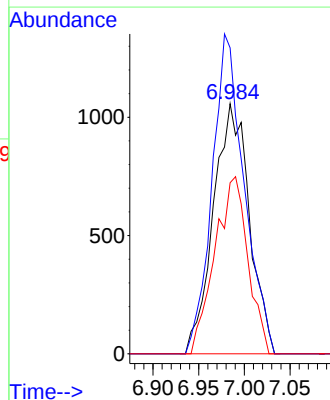
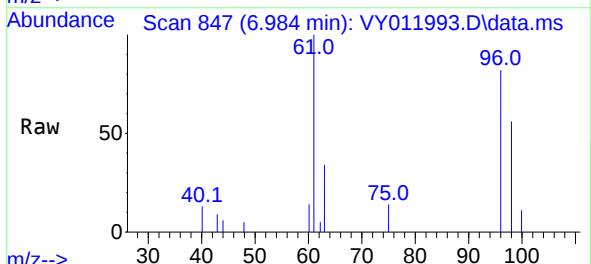
Ion	Ratio	Lower	Upper
84	100		
49	99.8	95.4	143.2
51	27.3	29.9	44.9#
86	47.2	49.6	74.4#

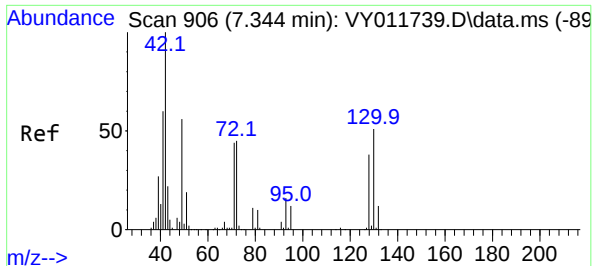


#27
cis-1,2-Dichloroethene
Concen: 1.342 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

Tgt Ion: 96 Resp: 2882

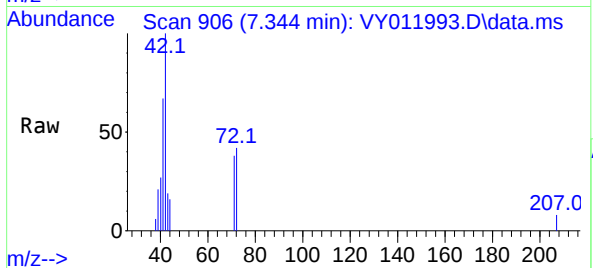
Ion	Ratio	Lower	Upper
96	100		
61	114.5	0.0	283.4
98	65.3	0.0	127.6



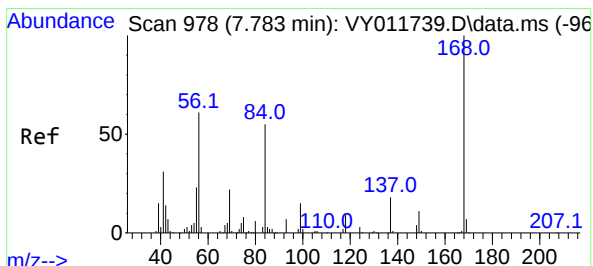
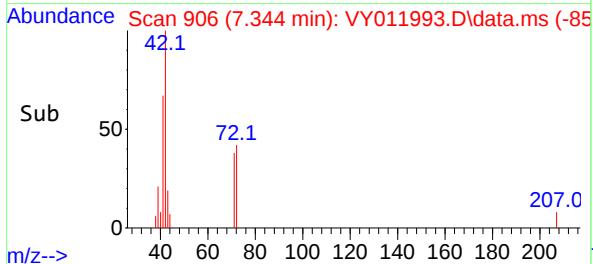
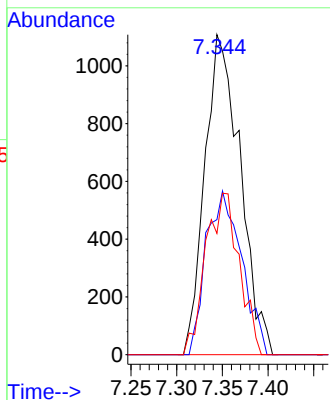


#29
Tetrahydrofuran
Concen: 8.486 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

Instrument :
MSVOA_Y
ClientSampleId :

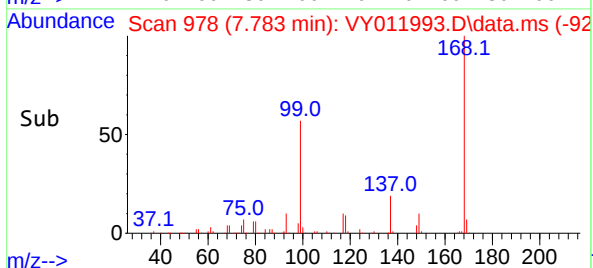
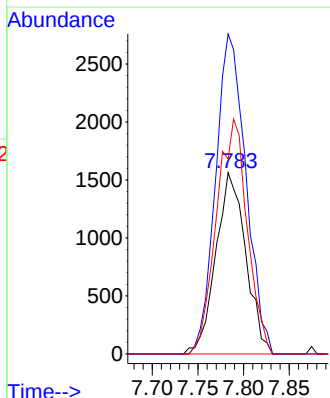
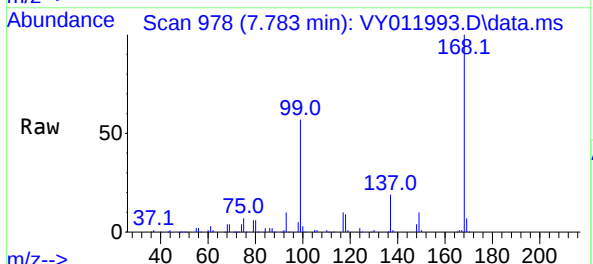


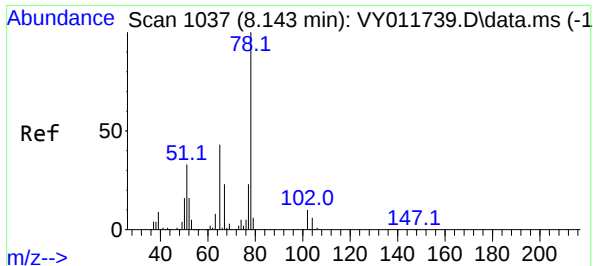
Tgt Ion:	42	Resp:	2980
Ion	Ratio	Lower	Upper
42	100		
72	51.3	37.0	55.6
71	47.8	34.9	52.3



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

Tgt Ion:	56	Resp:	3560
Ion	Ratio	Lower	Upper
56	100		
69	176.5	29.2	43.8#
84	107.5	72.6	108.8





#33

1,2-Dichloroethane-d4

Concen: 61.328 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY011993.D

Acq: 23 Dec 2022 13:28

Instrument :

MSVOA_Y

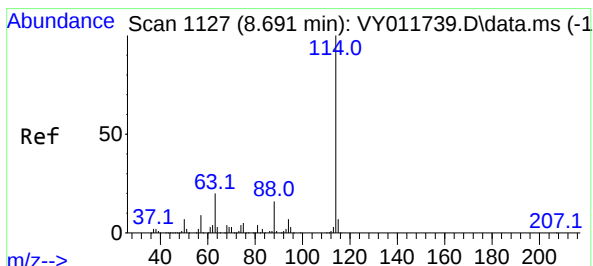
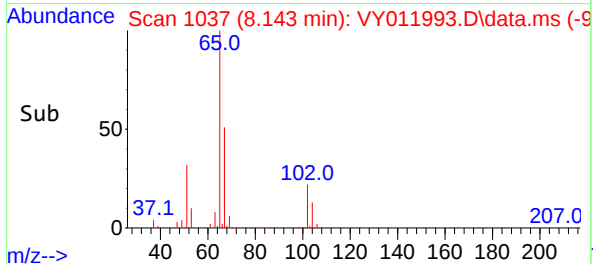
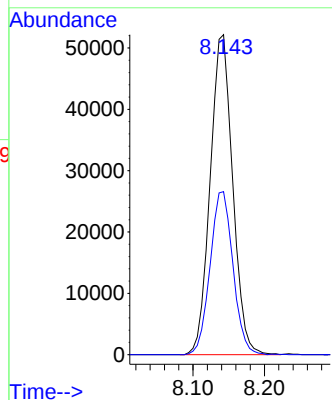
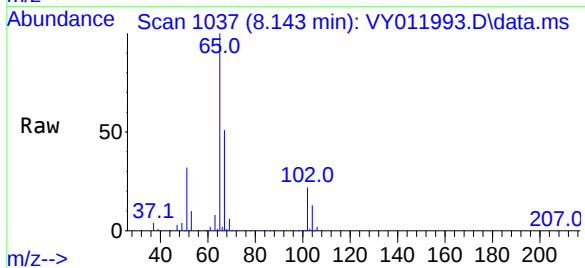
ClientSampleId :

Tgt Ion: 65 Resp: 114106

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011993.D

Acq: 23 Dec 2022 13:28

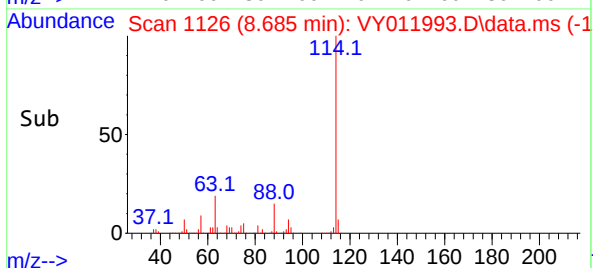
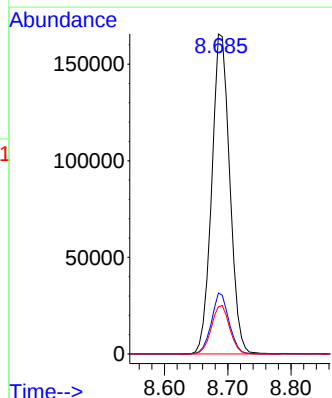
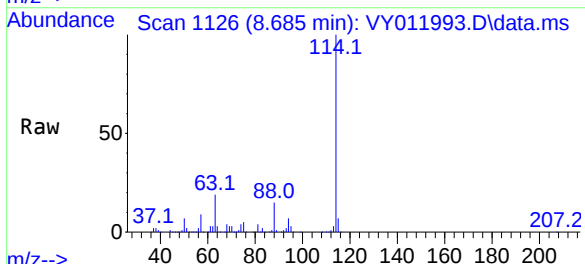
Tgt Ion: 114 Resp: 327006

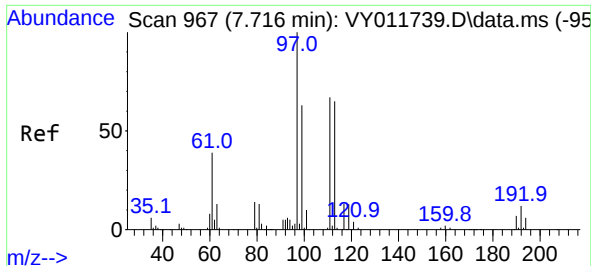
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

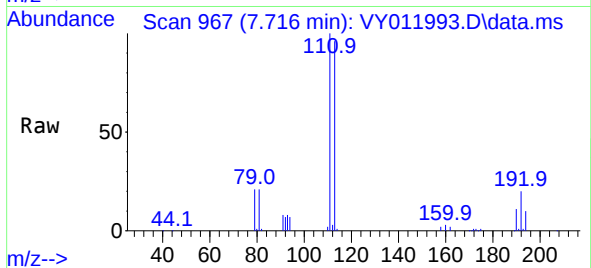
88 14.7 0.0 32.2



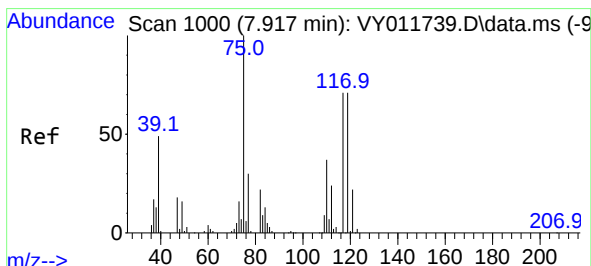
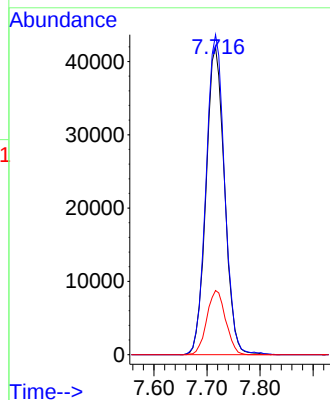
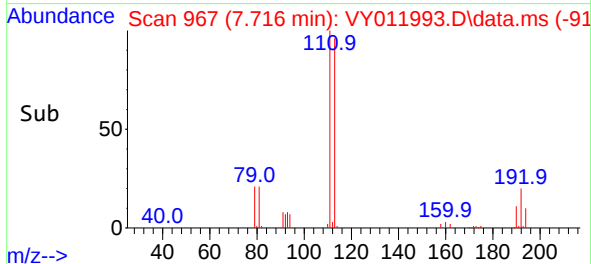


#35
Dibromofluoromethane
Concen: 51.542 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

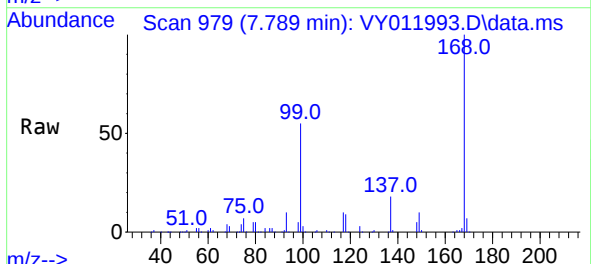
Instrument :
MSVOA_Y
ClientSampleId :



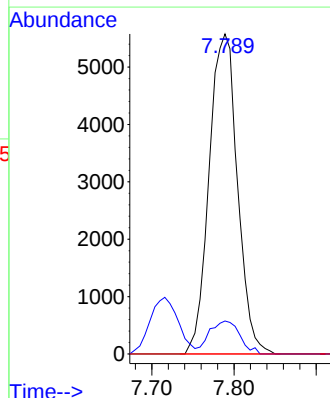
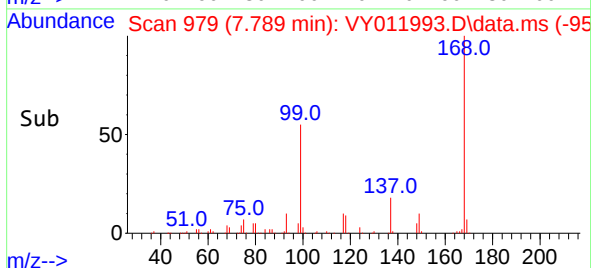
Tgt Ion:113 Resp: 101470
Ion Ratio Lower Upper
113 100
111 104.2 83.0 124.4
192 21.2 16.0 24.0

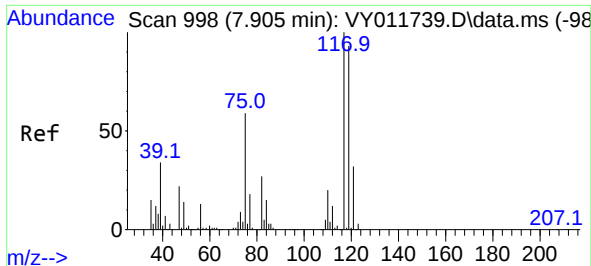


#36
1,1-Dichloropropene
Concen: 4.225 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28



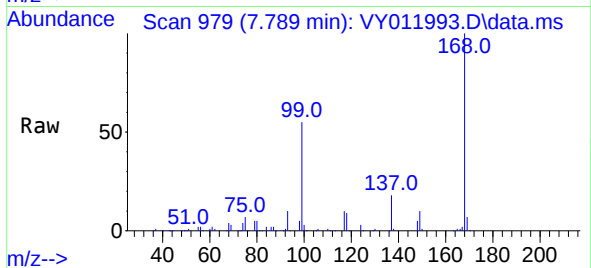
Tgt Ion: 75 Resp: 13343
Ion Ratio Lower Upper
75 100
110 11.1 18.1 54.1#
77 0.0 25.1 37.7#



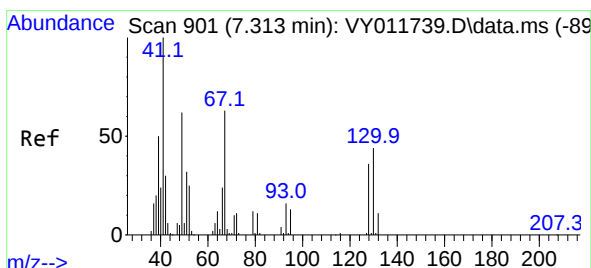
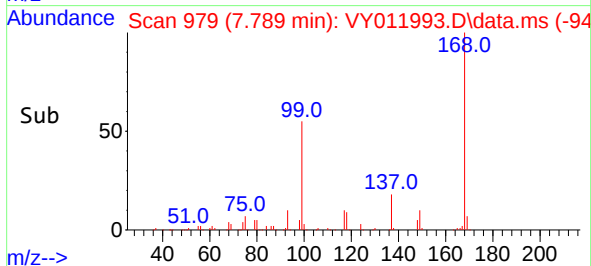
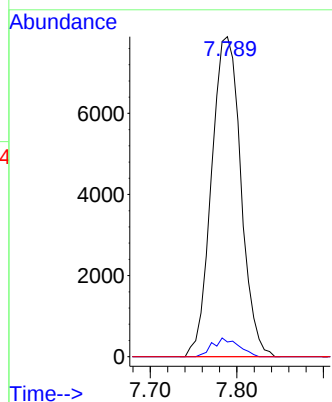


#38
Carbon Tetrachloride
Concen: 5.095 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

Instrument :
MSVOA_Y
ClientSampleId :

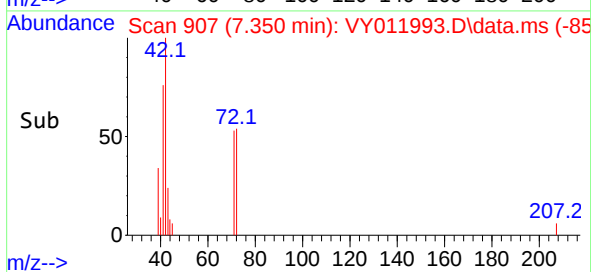
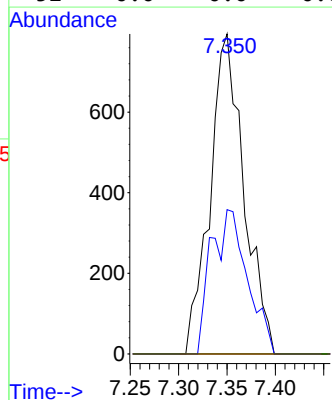
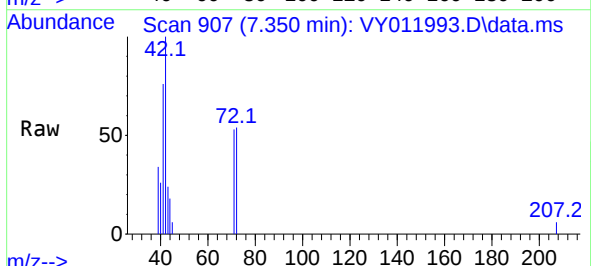


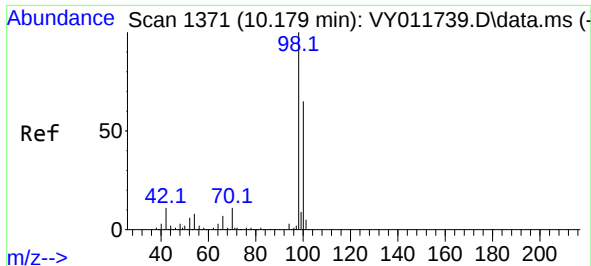
Tgt Ion: 117 Resp: 18580
Ion Ratio Lower Upper
117 100
119 4.6 73.8 110.8#
121 0.0 25.2 37.8#



#41
Methacrylonitrile
Concen: 2.826 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

Tgt Ion: 41 Resp: 1936
Ion Ratio Lower Upper
41 100
39 48.2 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

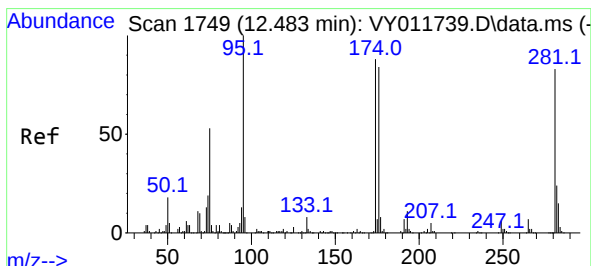
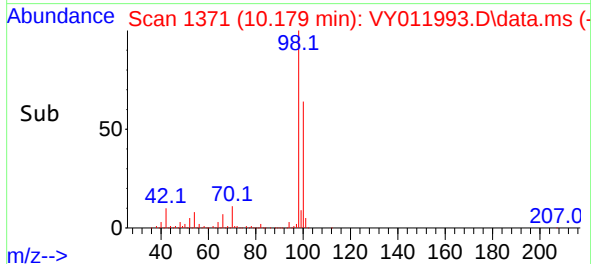
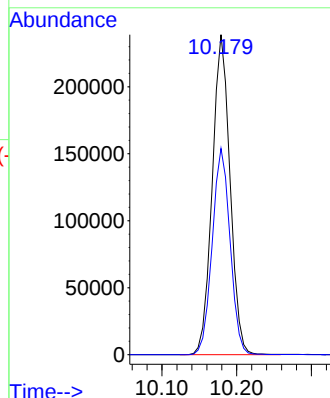
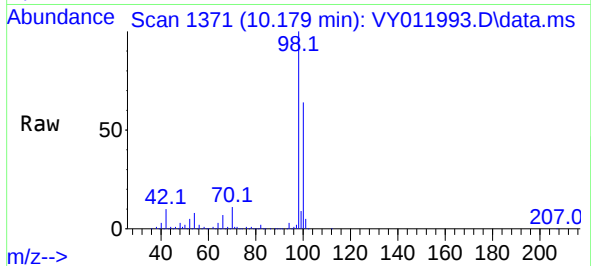




#50
Toluene-d8
Concen: 49.354 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

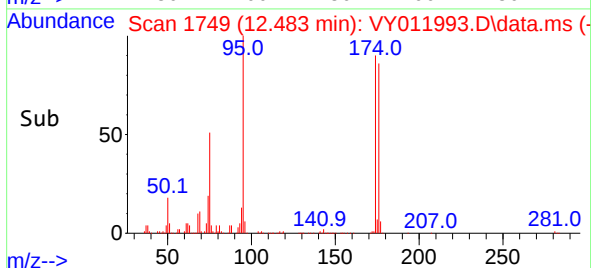
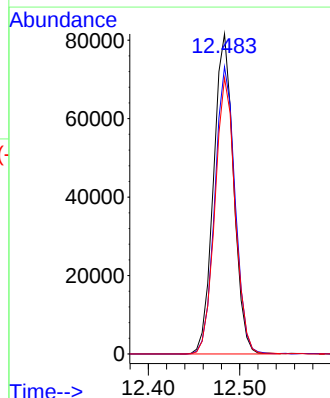
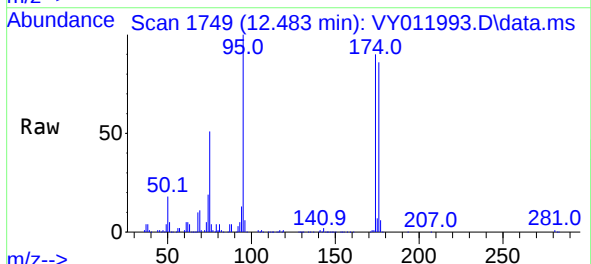
Instrument :
MSVOA_Y
ClientSampleId :

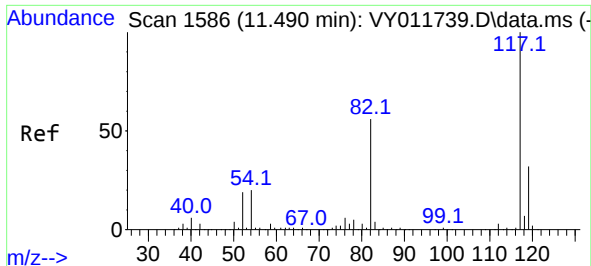
Tgt Ion: 98 Resp: 394208
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 46.183 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

Tgt Ion: 95 Resp: 124063
Ion Ratio Lower Upper
95 100
174 90.9 0.0 172.0
176 86.6 0.0 167.6

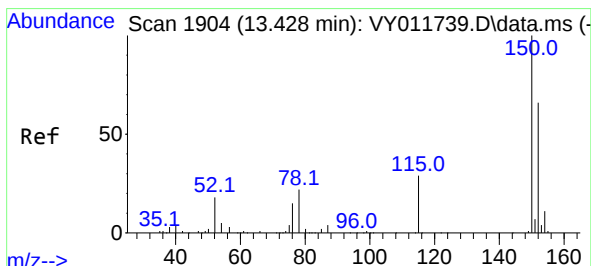
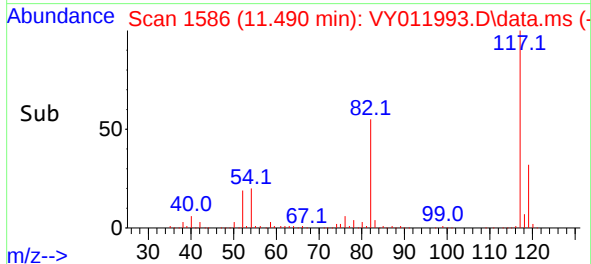
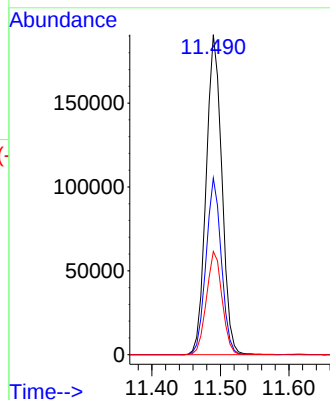
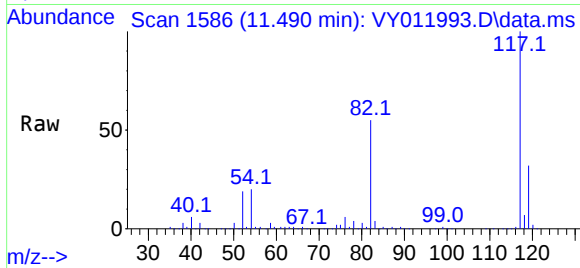




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

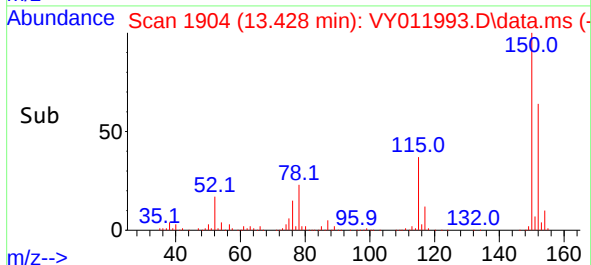
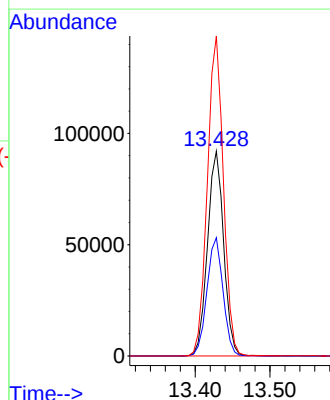
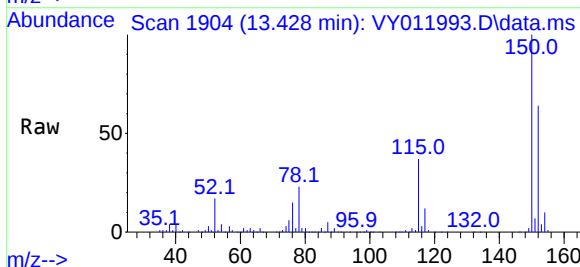
Instrument :
MSVOA_Y
ClientSampleId :

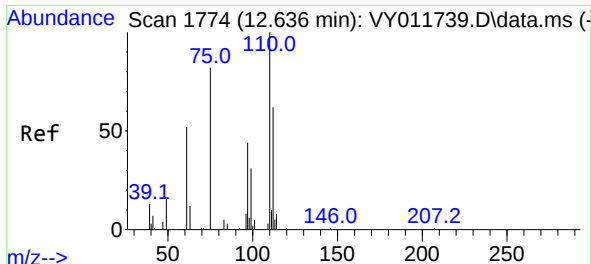
Tgt Ion:117 Resp: 304961
Ion Ratio Lower Upper
117 100
82 55.2 44.8 67.2
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

Tgt Ion:152 Resp: 138295
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.3
150 154.8 0.0 342.6

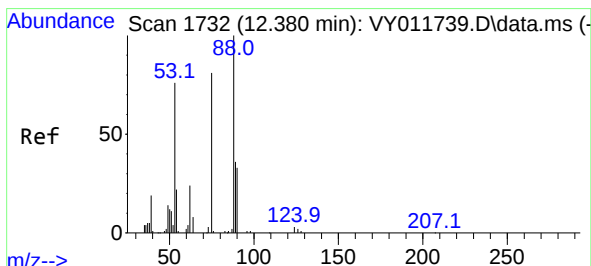
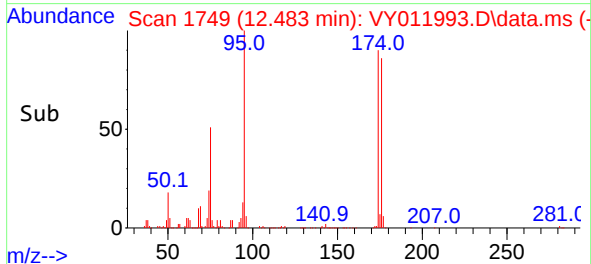
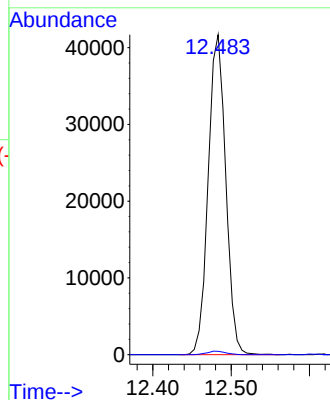
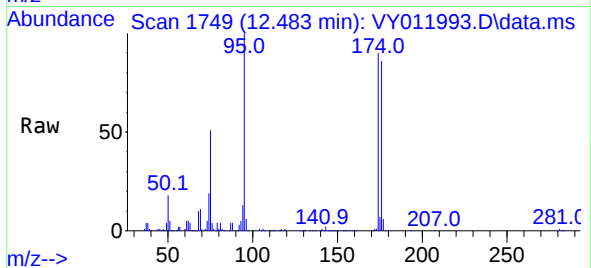




#76
1,2,3-Trichloropropane
Concen: 37.590 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

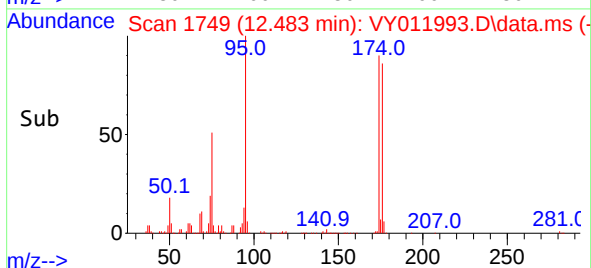
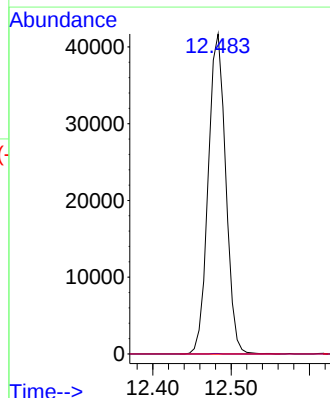
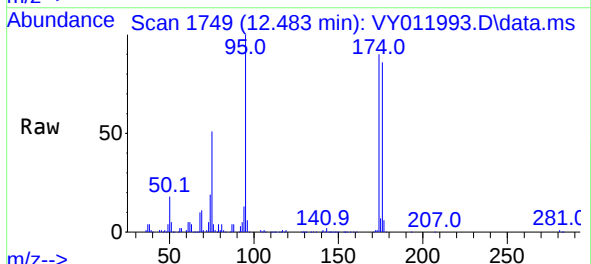
Instrument :
MSVOA_Y
ClientSampleId :

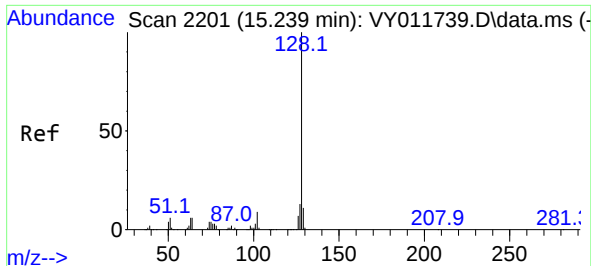
Tgt Ion: 75 Resp: 64687
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.941 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011993.D
Acq: 23 Dec 2022 13:28

Tgt Ion: 75 Resp: 64687
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 2.874 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

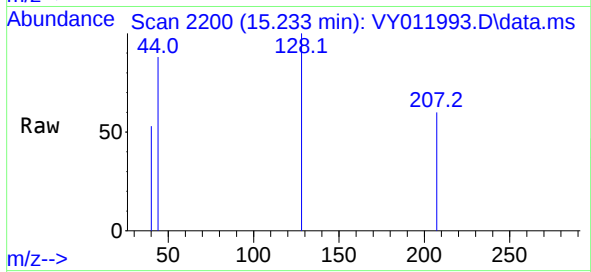
Lab File: VY011993.D

Acq: 23 Dec 2022 13:28

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 515

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#

