

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091322\
 Data File : VY010463.D
 Acq On : 13 Sep 2022 16:55
 Operator : KP/MD
 Sample : N4509-04RE
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_115D-20220902RE

Quant Time: Sep 14 05:25:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

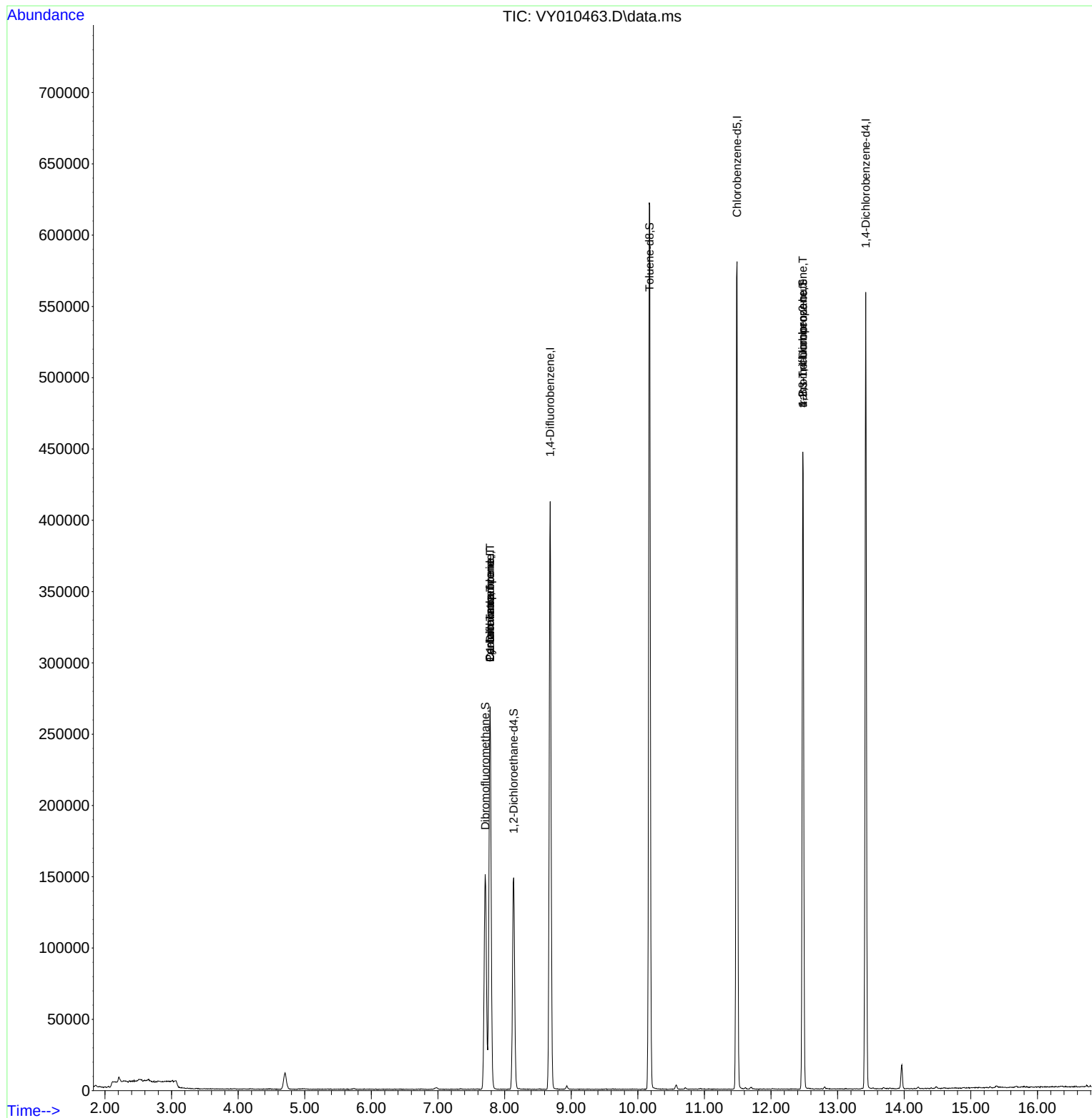
Internal Standards						
1) Pentafluorobenzene	7.783	168	209519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	353715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	321878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	115952	54.948	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.900%			
35) Dibromofluoromethane	7.709	113	109294	43.507	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.020%			
50) Toluene-d8	10.179	98	422388	51.880	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.760%			
62) 4-Bromofluorobenzene	12.477	95	138501	41.923	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.840%			
Target Compounds						
11) Tert butyl alcohol	4.929	59	352	Below Cal	#	77
20) Methylene Chloride	4.698	84	8501	Below Cal	#	74
31) Cyclohexane	7.783	56	4211	1.181	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15545	4.520	ug/l #	50
38) Carbon Tetrachloride	7.783	117	20585	5.380	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	69521	45.244	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	69521	100.458	ug/l #	7

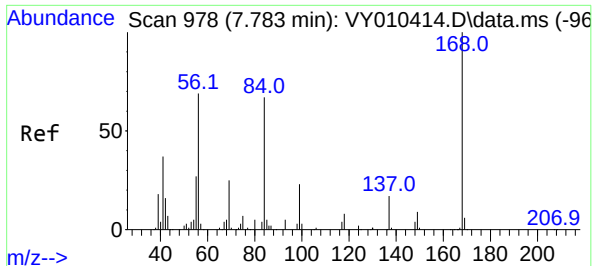
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

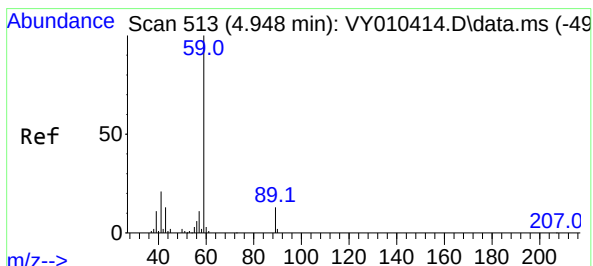
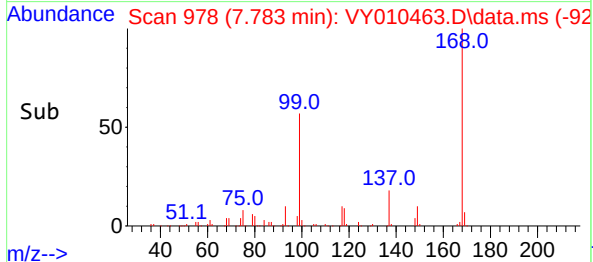
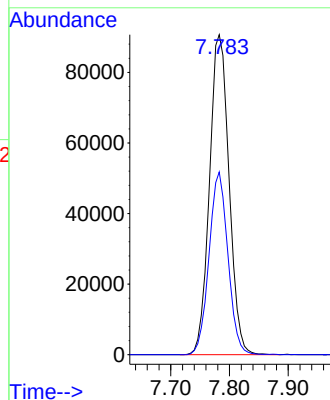
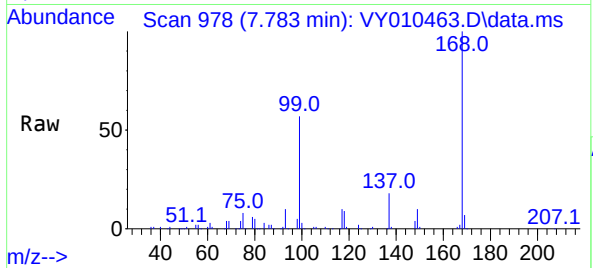




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010463.D
Acq: 13 Sep 2022 16:55

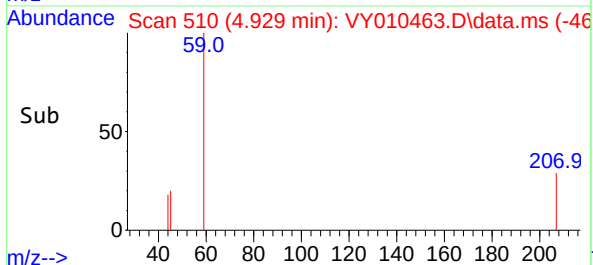
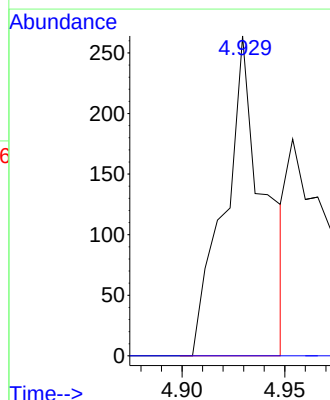
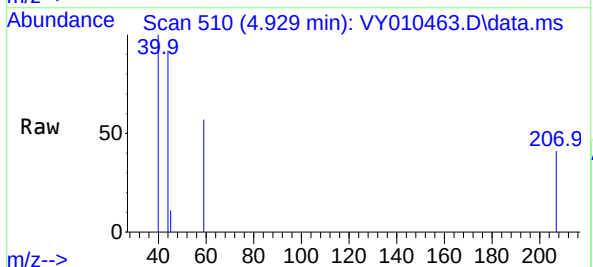
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_115D-20220902RE

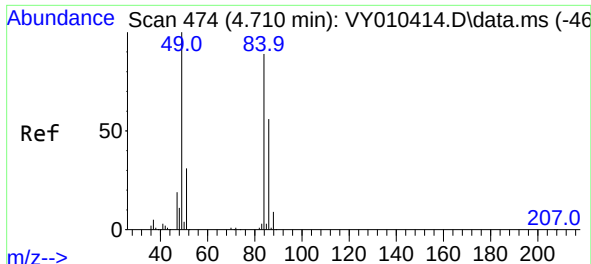
Tgt Ion:168 Resp: 209519
Ion Ratio Lower Upper
168 100
99 57.1 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.929 min Scan# 510
Delta R.T. -0.019 min
Lab File: VY010463.D
Acq: 13 Sep 2022 16:55

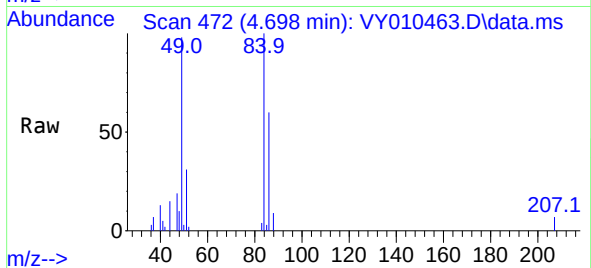
Tgt Ion: 59 Resp: 352
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





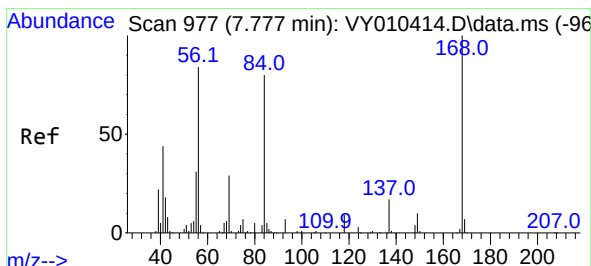
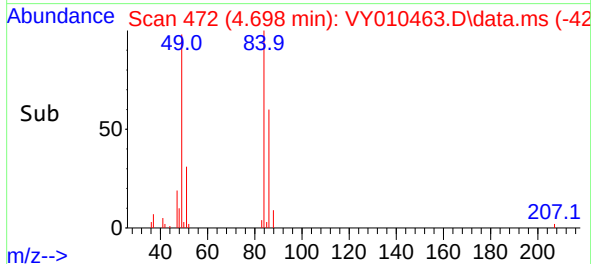
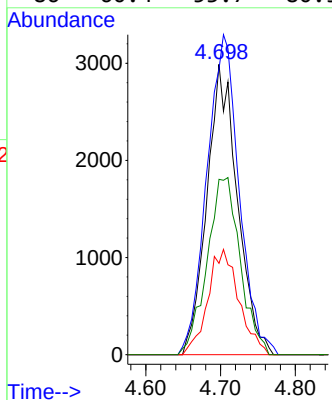
#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY010463.D
Acq: 13 Sep 2022 16:55

Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_115D-20220902RE



Tgt Ion: 84 Resp: 8501

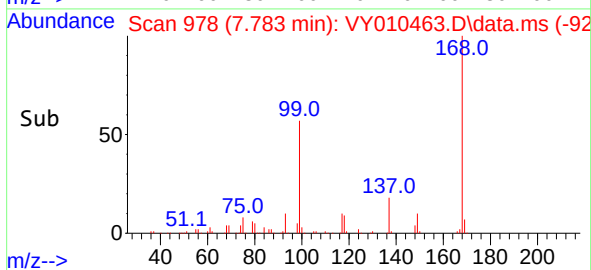
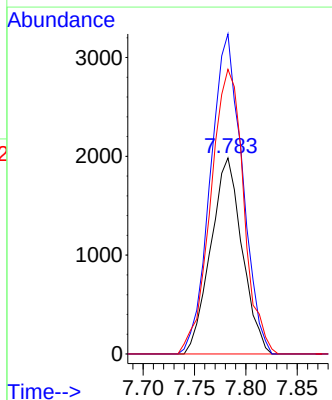
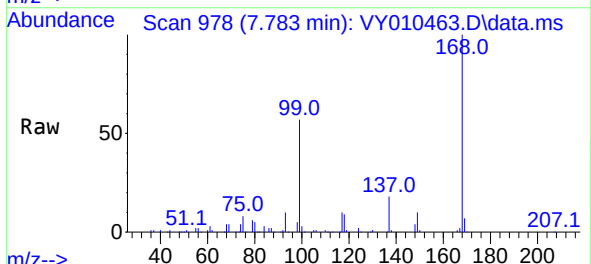
Ion	Ratio	Lower	Upper
84	100		
49	98.4	114.4	171.6#
51	31.5	35.3	52.9#
86	60.4	53.7	80.5

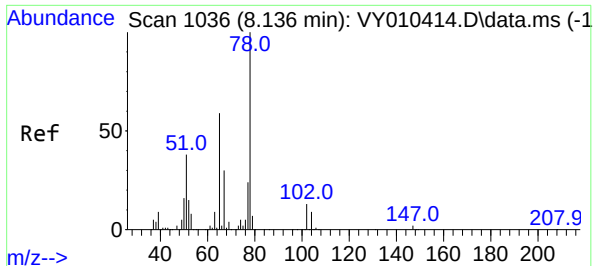


#31
Cyclohexane
Concen: 1.181 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010463.D
Acq: 13 Sep 2022 16:55

Tgt Ion: 56 Resp: 4211

Ion	Ratio	Lower	Upper
56	100		
69	163.2	26.7	40.1#
84	145.2	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 54.948 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010463.D

Acq: 13 Sep 2022 16:55

Instrument :

MSVOA_Y

ClientSampleId :

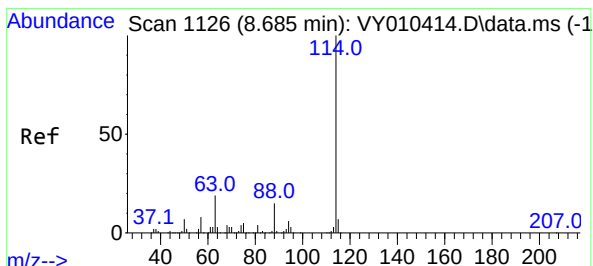
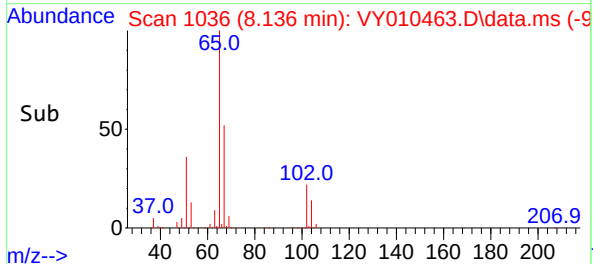
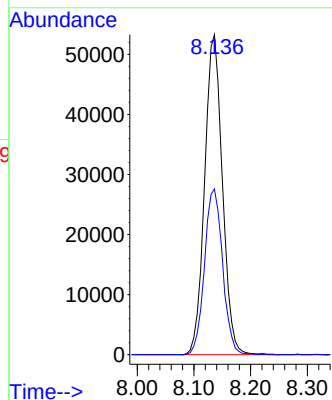
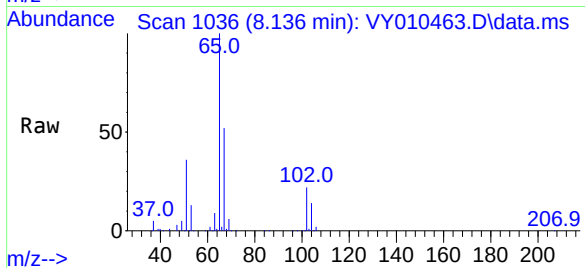
S1-SO_115D-20220902RE

Tgt Ion: 65 Resp: 115952

Ion Ratio Lower Upper

65 100

67 52.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY010463.D

Acq: 13 Sep 2022 16:55

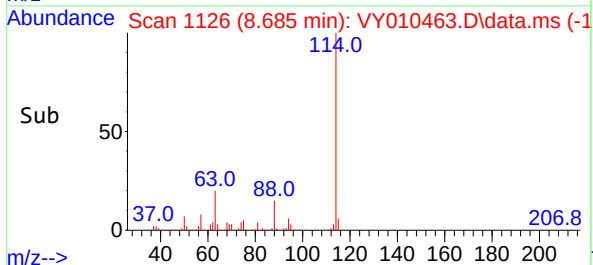
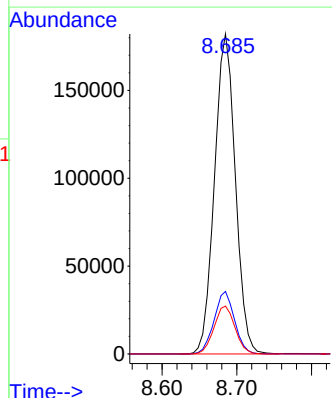
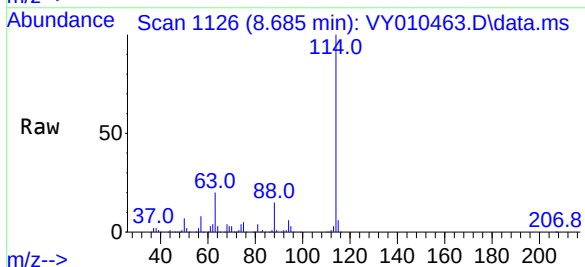
Tgt Ion: 114 Resp: 353715

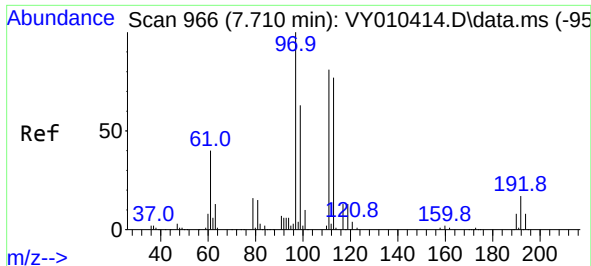
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

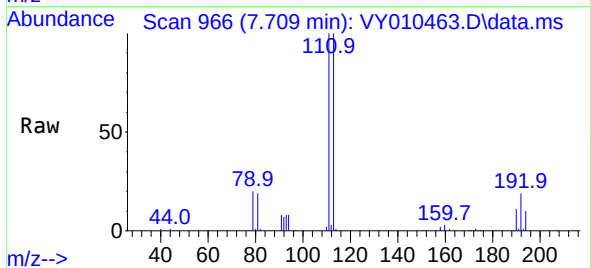
88 14.9 0.0 31.8



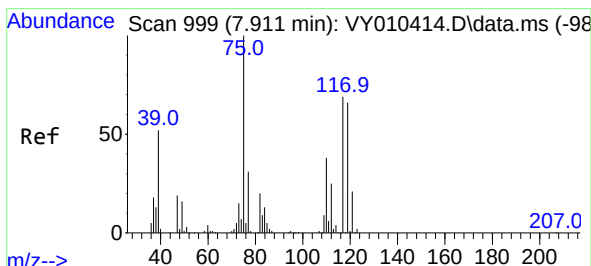
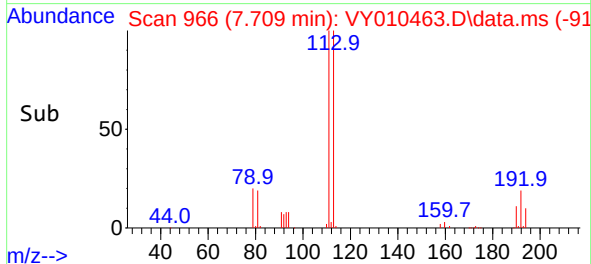
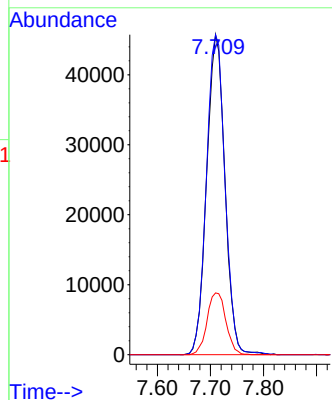


#35
Dibromofluoromethane
Concen: 43.507 ug/l
RT: 7.709 min Scan# 901
Delta R.T. -0.001 min
Lab File: VY010463.D
Acq: 13 Sep 2022 16:55

Instrument :
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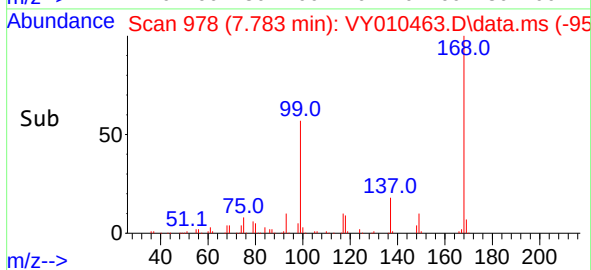
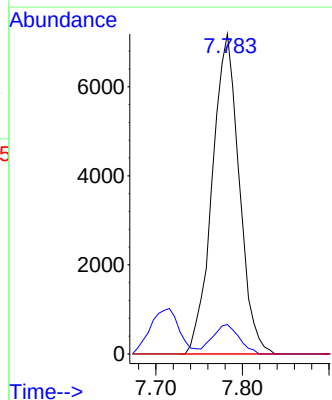
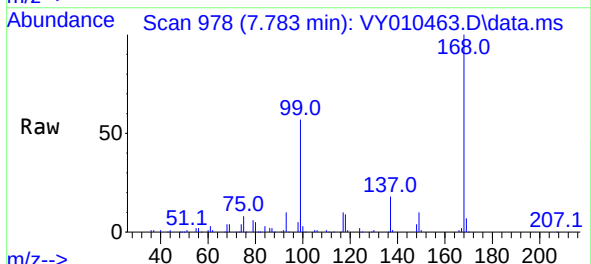


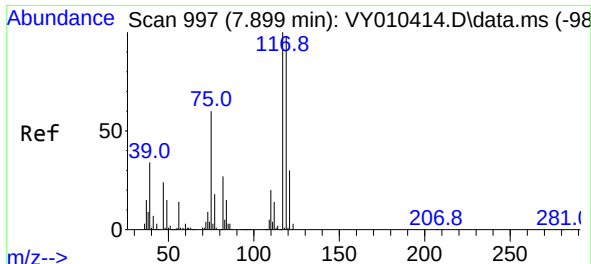
Tgt Ion:113 Resp: 109294
Ion Ratio Lower Upper
113 100
111 101.8 82.6 124.0
192 19.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.520 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010463.D
Acq: 13 Sep 2022 16:55

Tgt Ion: 75 Resp: 15545
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#

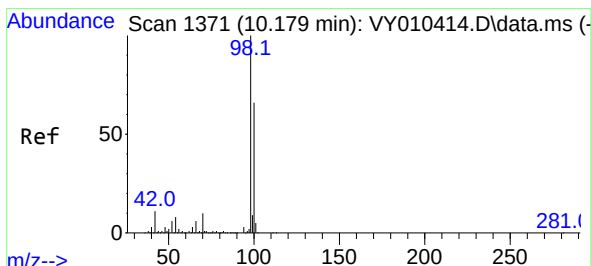
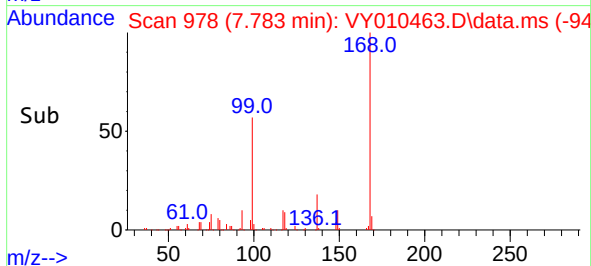
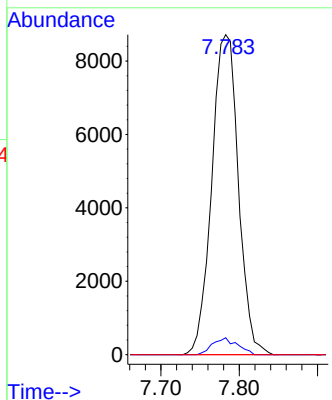
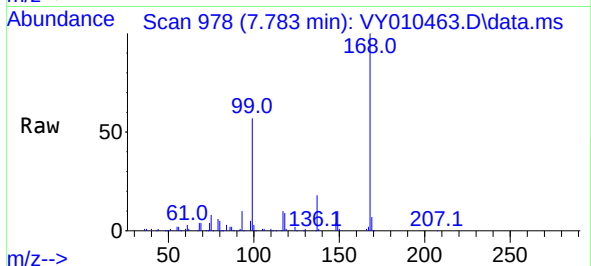




#38
Carbon Tetrachloride
Concen: 5.380 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010463.D
Acq: 13 Sep 2022 16:55

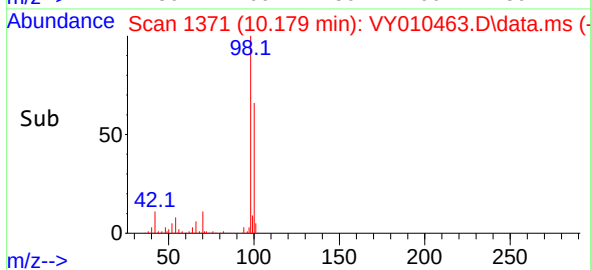
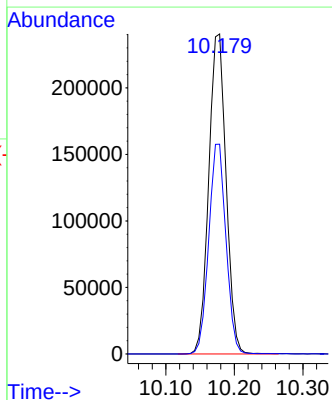
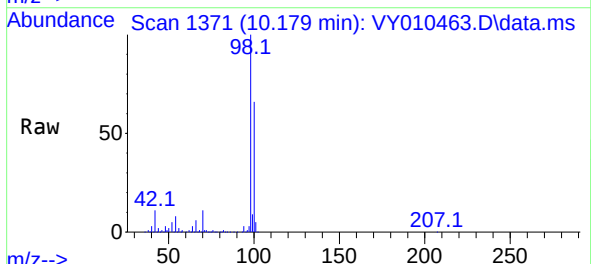
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_115D-20220902RE

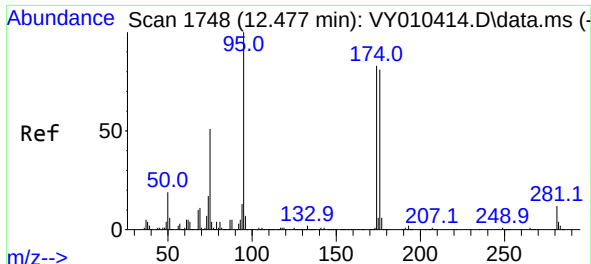
Tgt Ion:117 Resp: 20585
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.880 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY010463.D
Acq: 13 Sep 2022 16:55

Tgt Ion: 98 Resp: 422388
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2

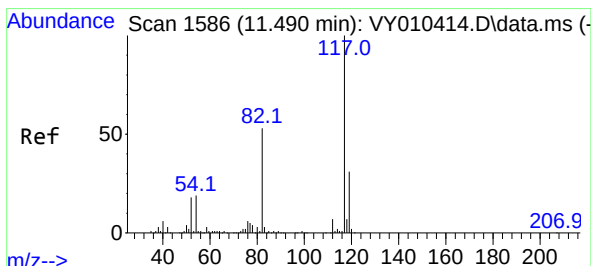
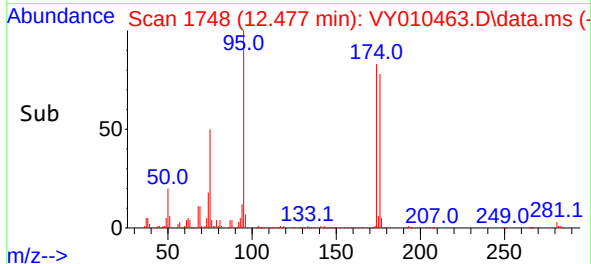
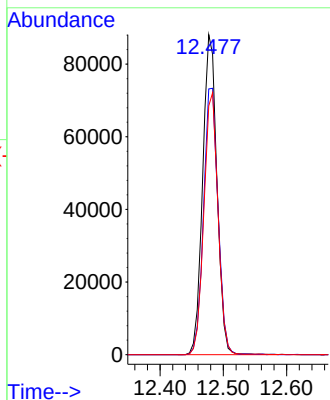
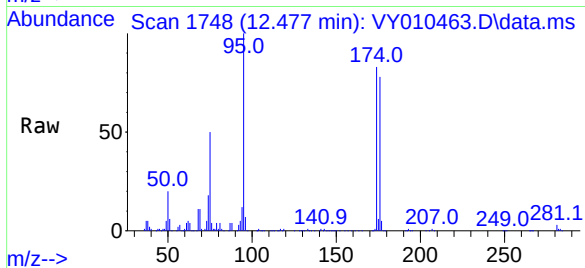




#62
4-Bromofluorobenzene
Concen: 41.923 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY010463.D
Acq: 13 Sep 2022 16:55

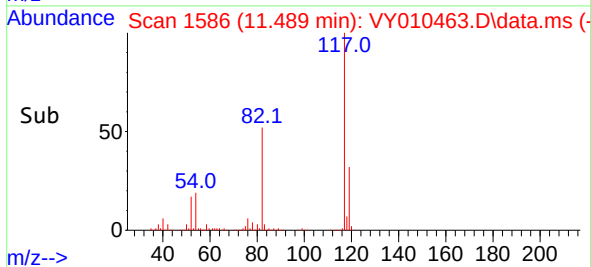
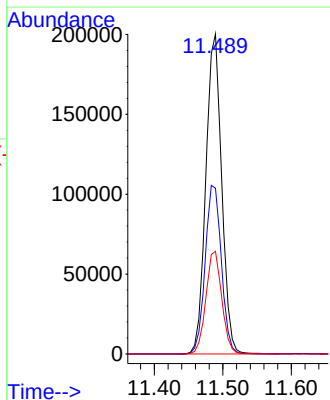
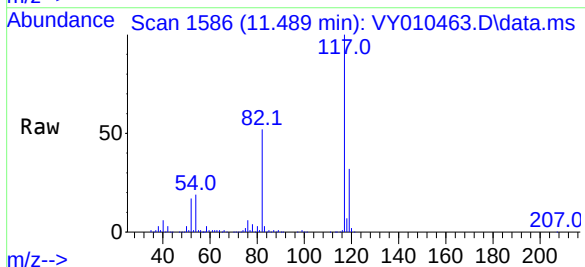
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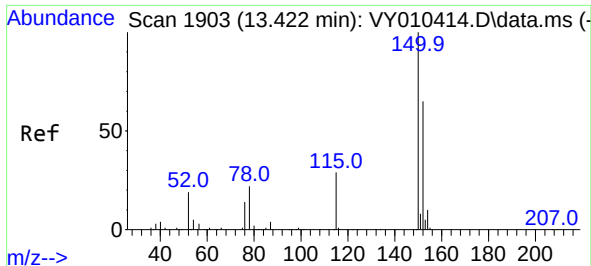
Tgt Ion: 95 Resp: 138501
Ion Ratio Lower Upper
95 100
174 84.4 0.0 177.0
176 81.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010463.D
Acq: 13 Sep 2022 16:55

Tgt Ion: 117 Resp: 321878
Ion Ratio Lower Upper
117 100
82 51.8 43.0 64.4
119 32.1 25.4 38.0

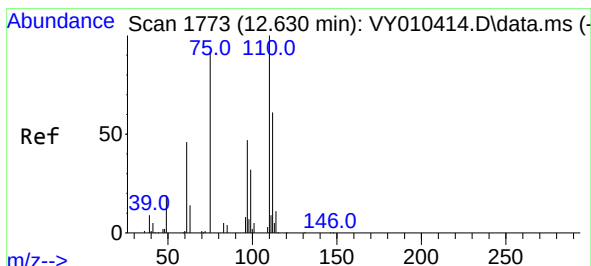
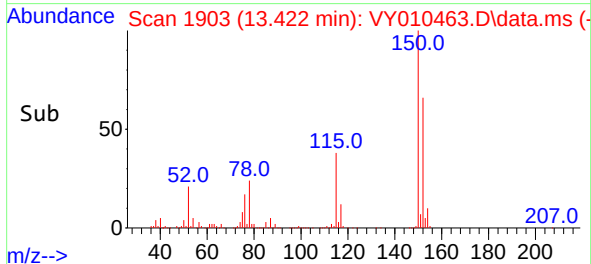
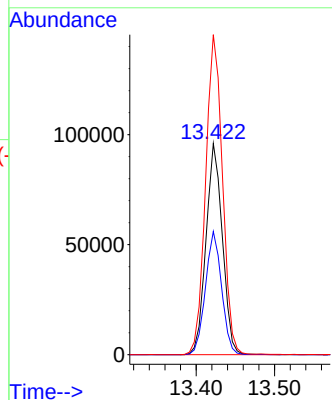
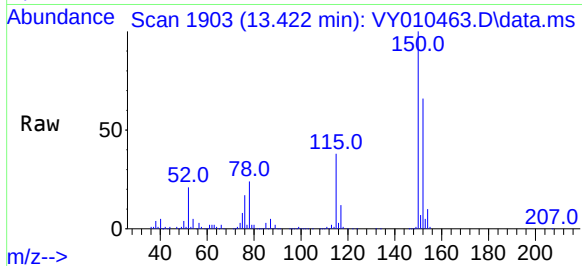




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010463.D
Acq: 13 Sep 2022 16:55

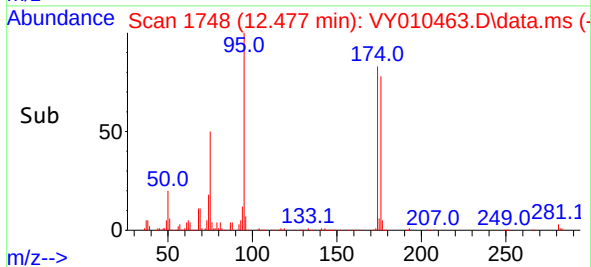
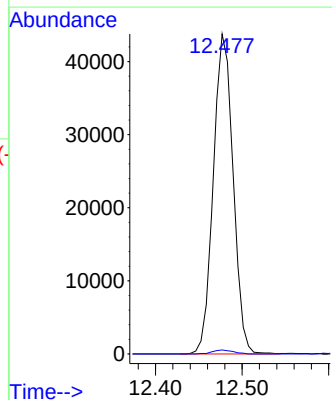
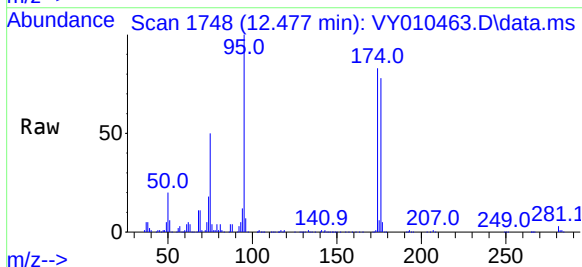
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_115D-20220902RE

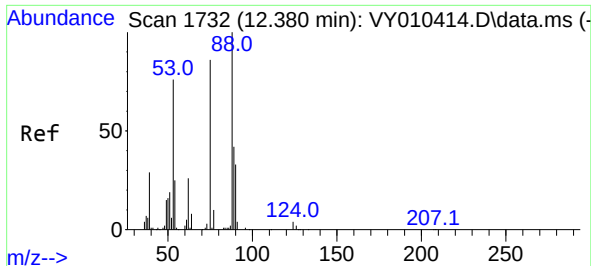
Tgt Ion:152 Resp: 139225
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.7
150 155.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 45.244 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010463.D
Acq: 13 Sep 2022 16:55

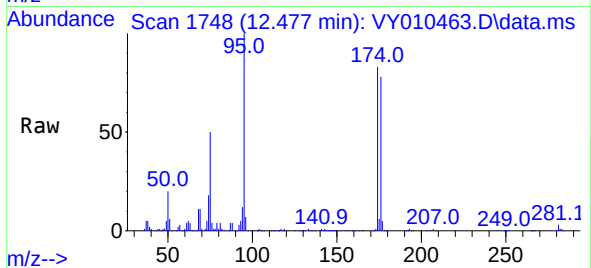
Tgt Ion: 75 Resp: 69521
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.458 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY010463.D
 Acq: 13 Sep 2022 16:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_115D-20220902RE



Tgt Ion: 75 Resp: 69521
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

