

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091322\
 Data File : VY010466.D
 Acq On : 13 Sep 2022 18:06
 Operator : KP/MD
 Sample : N4509-07
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_PW002-20220902

Quant Time: Sep 14 05:26:26 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	197856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	312134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	256263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	102270	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	72421	36.343	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	72.680%
35) Dibromofluoromethane	7.710	113	75849	34.216	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	68.440%
50) Toluene-d8	10.173	98	365791	50.914	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.820%
62) 4-Bromofluorobenzene	12.477	95	102361	33.971	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	67.940%

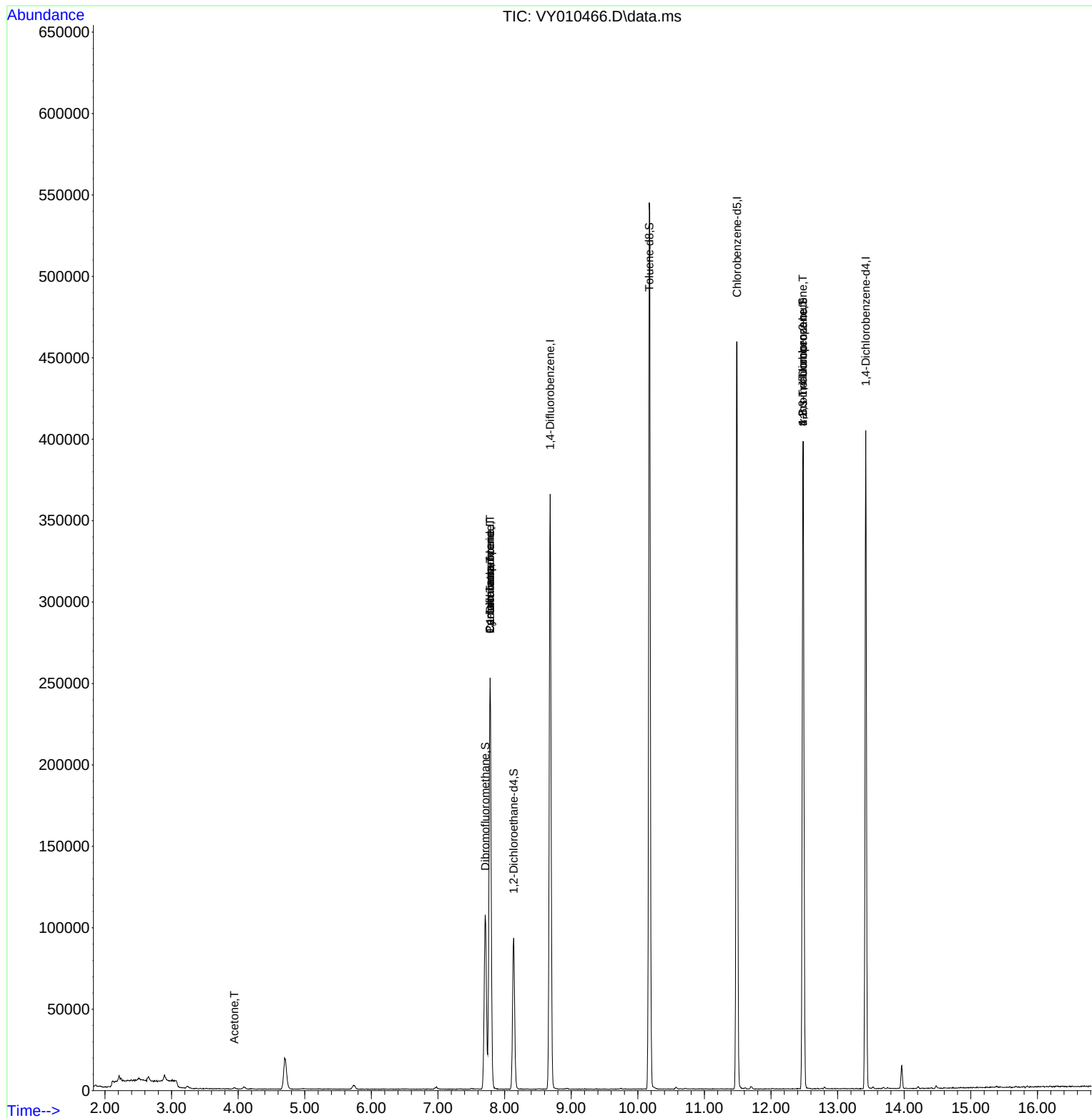
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	96	Below Cal	#	43
11) Tert butyl alcohol	4.942	59	180	Below Cal	#	77
16) Acetone	3.942	43	1154	2.523	ug/l #	54
20) Methylene Chloride	4.704	84	14439	Below Cal	#	76
31) Cyclohexane	7.783	56	4025	1.196	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14485	4.773	ug/l #	51
38) Carbon Tetrachloride	7.783	117	19298	5.716	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	53129	47.070	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53129	104.513	ug/l #	8

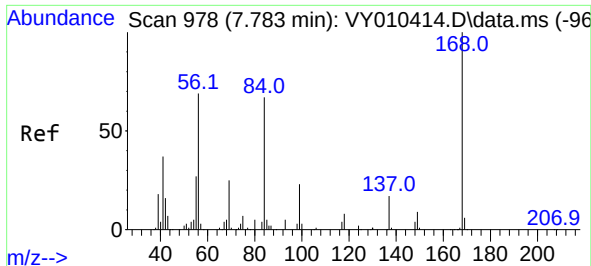
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

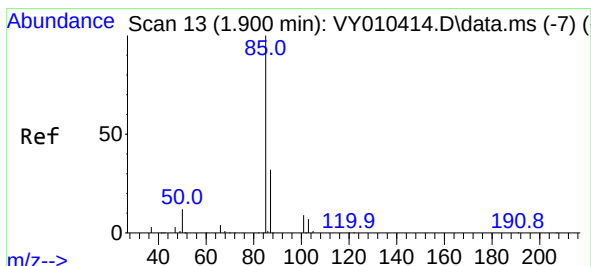
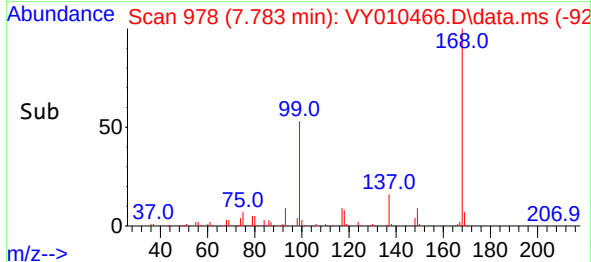
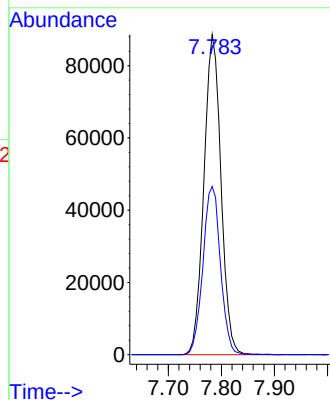
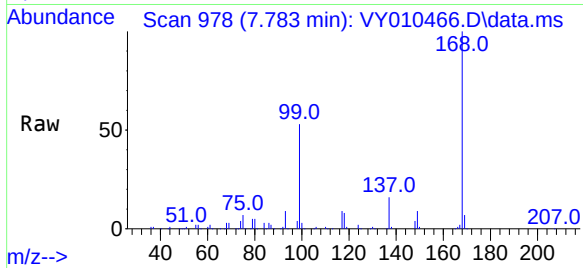




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010466.D
Acq: 13 Sep 2022 18:06

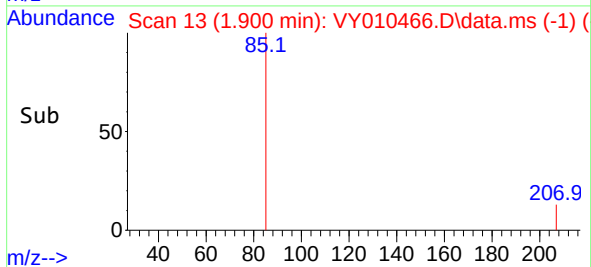
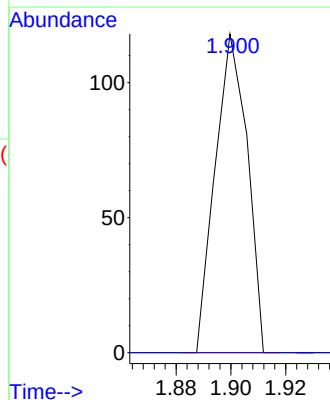
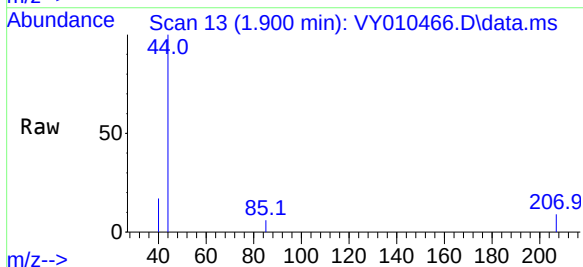
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_PW002-20220902

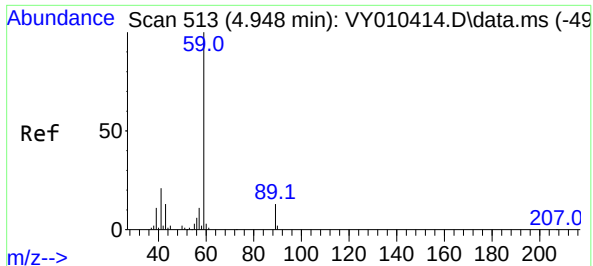
Tgt Ion:168 Resp: 197856
Ion Ratio Lower Upper
168 100
99 52.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010466.D
Acq: 13 Sep 2022 18:06

Tgt Ion: 85 Resp: 96
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

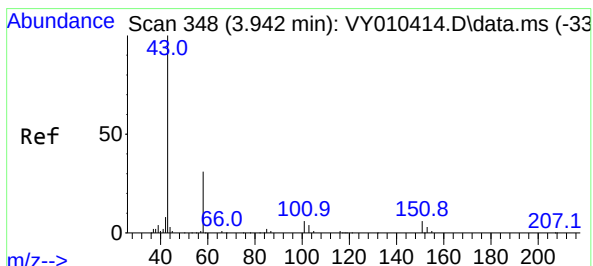
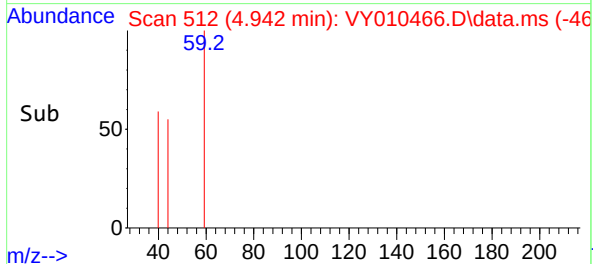
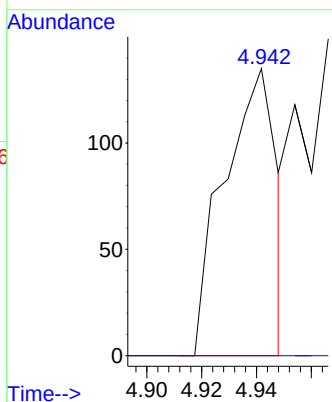
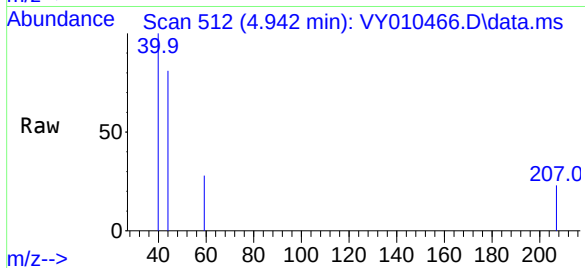




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY010466.D
Acq: 13 Sep 2022 18:06

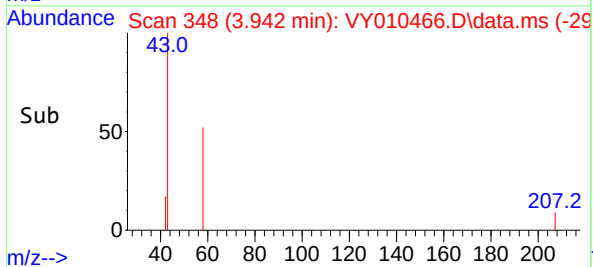
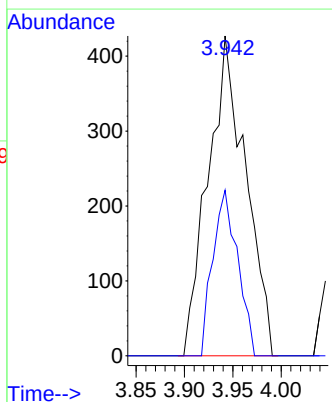
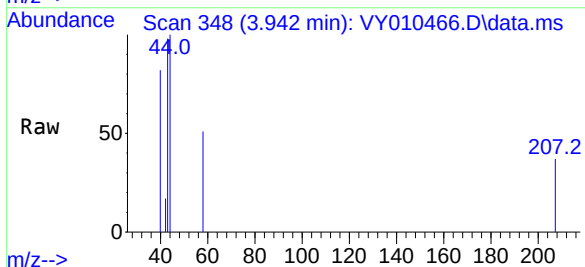
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_PW002-20220902

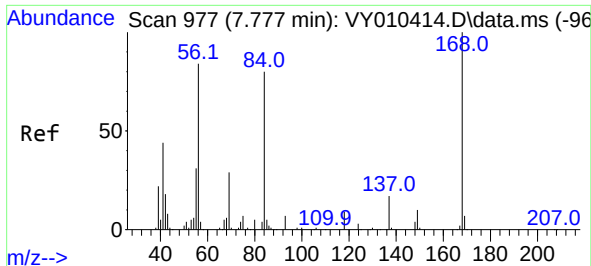
Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 2.523 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY010466.D
Acq: 13 Sep 2022 18:06

Tgt Ion: 43 Resp: 1154
Ion Ratio Lower Upper
43 100
58 51.8 22.0 33.0#

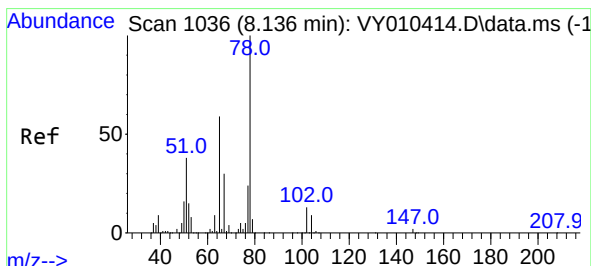
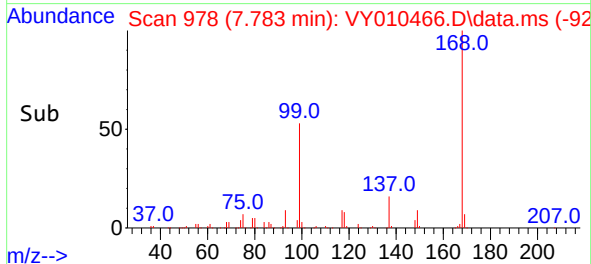
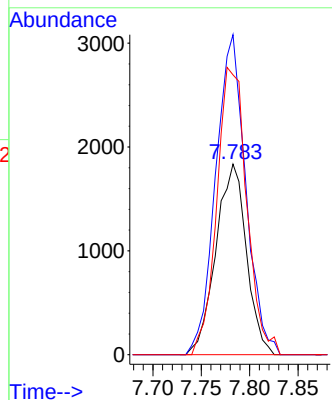
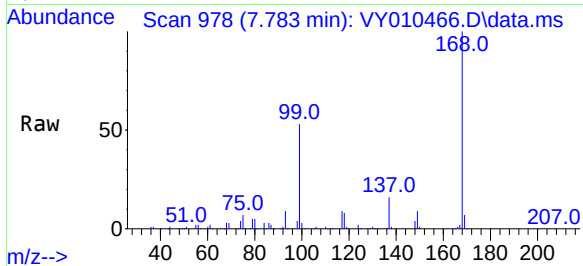




#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010466.D
Acq: 13 Sep 2022 18:06

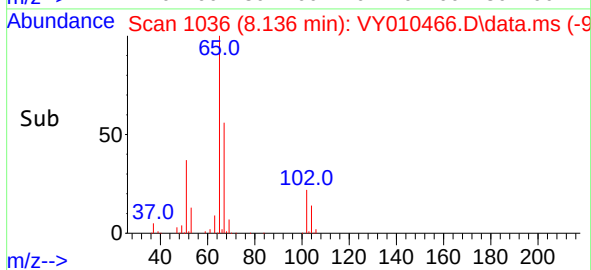
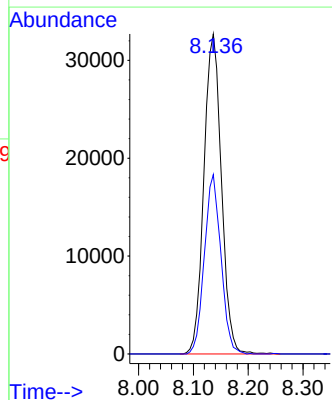
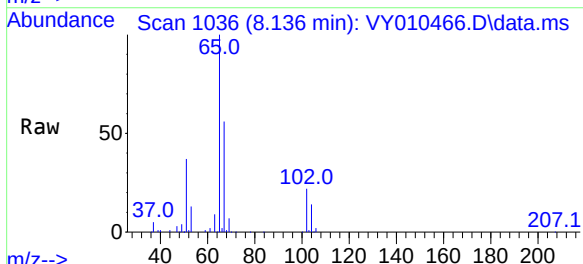
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_PW002-20220902

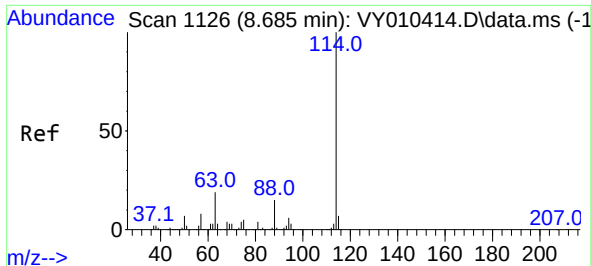
Tgt Ion: 56 Resp: 4025
Ion Ratio Lower Upper
56 100
69 168.0 26.7 40.1#
84 146.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 36.343 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010466.D
Acq: 13 Sep 2022 18:06

Tgt Ion: 65 Resp: 72421
Ion Ratio Lower Upper
65 100
67 52.9 0.0 99.4

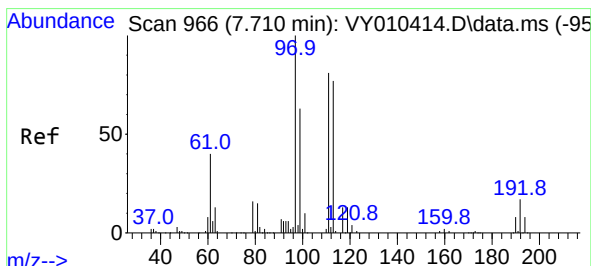
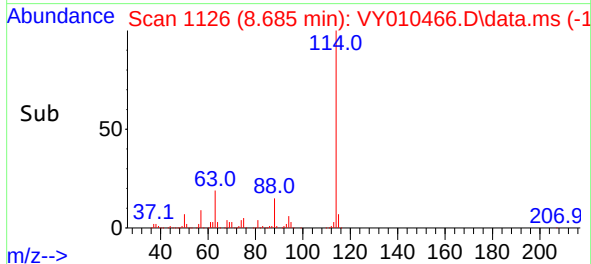
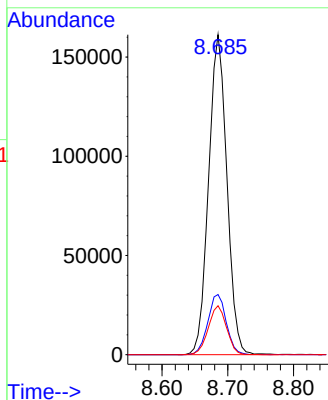
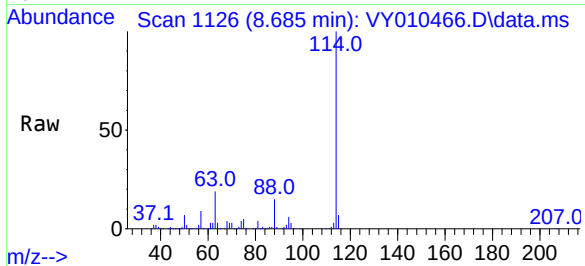




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010466.D
Acq: 13 Sep 2022 18:06

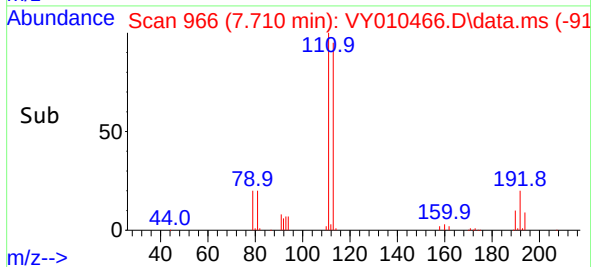
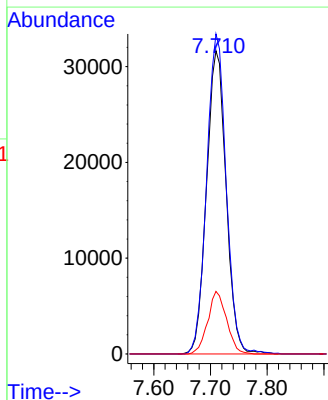
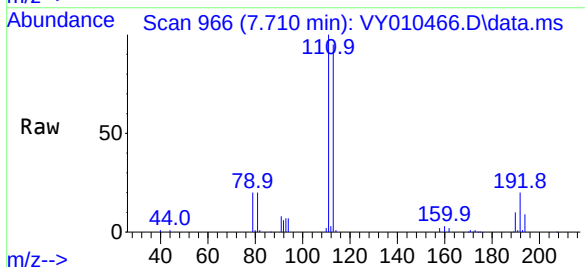
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_PW002-20220902

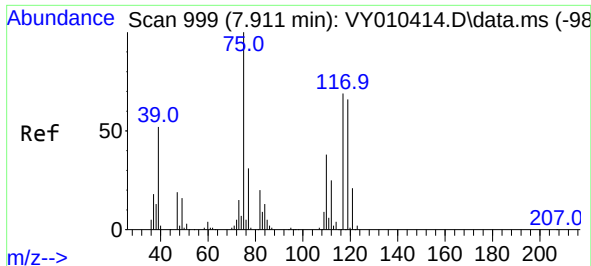
Tgt Ion:	114	Resp:	312134
Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	43.2
88	15.3	0.0	31.8



#35
Dibromofluoromethane
Concen: 34.216 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY010466.D
Acq: 13 Sep 2022 18:06

Tgt Ion:	113	Resp:	75849
Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.6	124.0
192	19.9	17.6	26.4





#36

1,1-Dichloropropene

Concen: 4.773 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010466.D

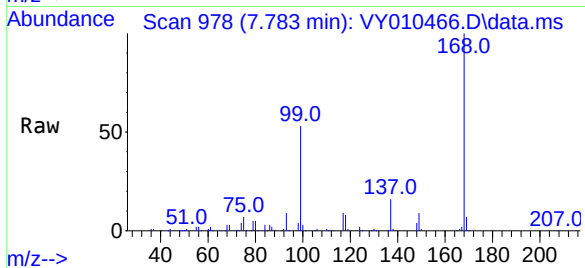
Acq: 13 Sep 2022 18:06

Instrument :

MSVOA_Y

ClientSampleId :

S1-SO_PW002-20220902



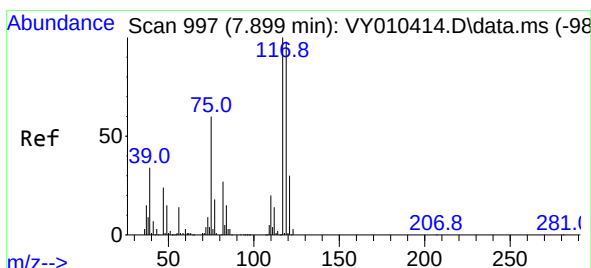
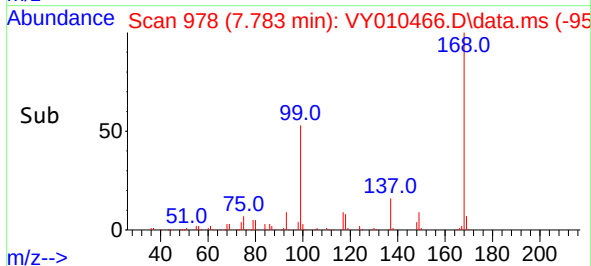
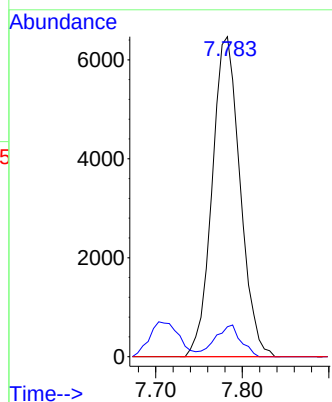
Tgt Ion: 75 Resp: 14485

Ion Ratio Lower Upper

75 100

110 9.1 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.716 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010466.D

Acq: 13 Sep 2022 18:06

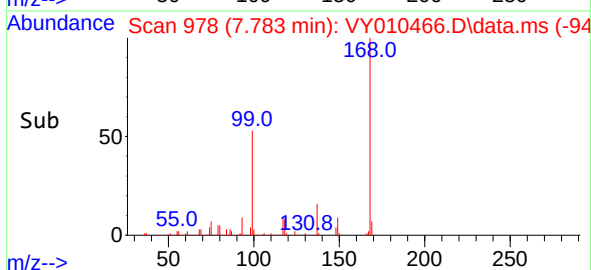
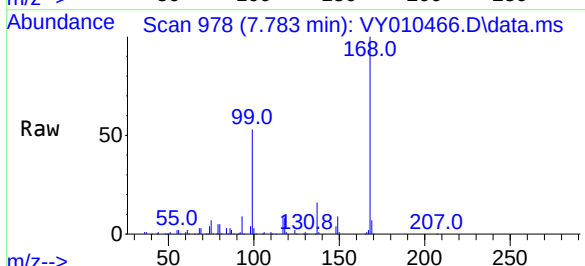
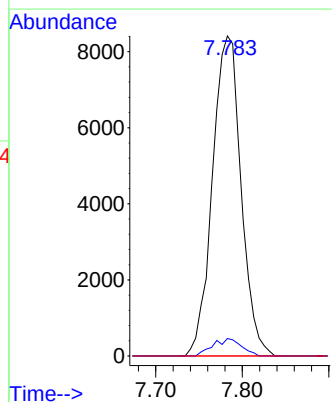
Tgt Ion: 117 Resp: 19298

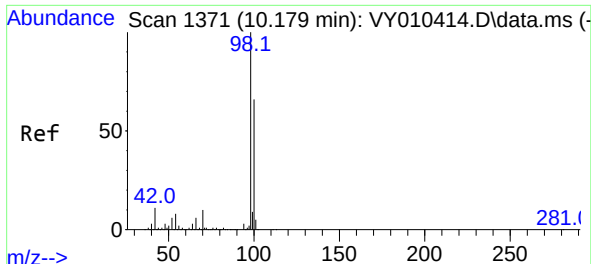
Ion Ratio Lower Upper

117 100

119 5.5 77.9 116.9#

121 0.0 24.8 37.2#

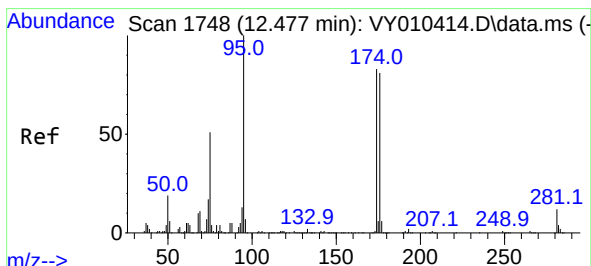
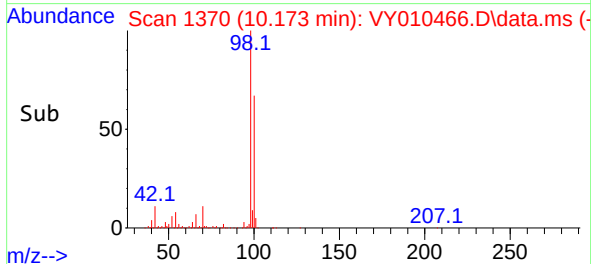
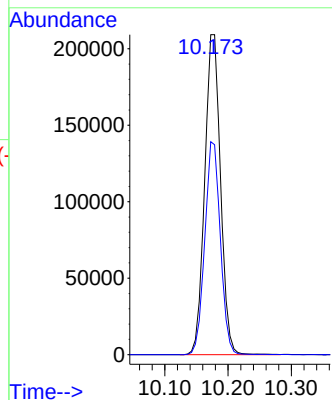
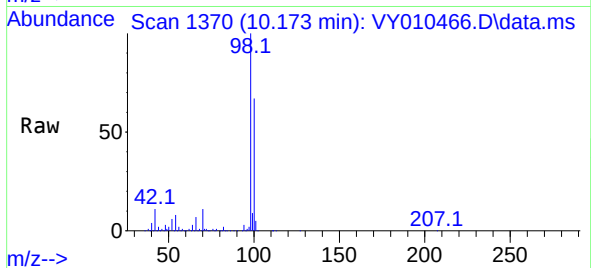




#50
Toluene-d8
Concen: 50.914 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010466.D
Acq: 13 Sep 2022 18:06

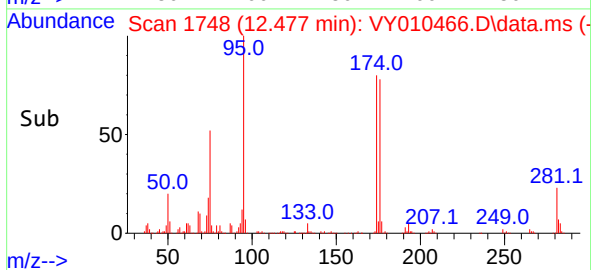
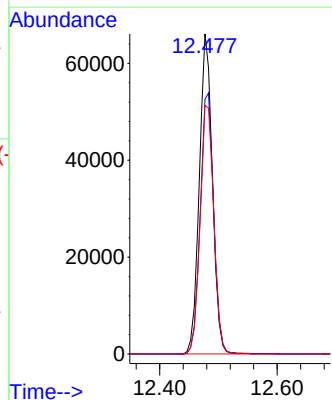
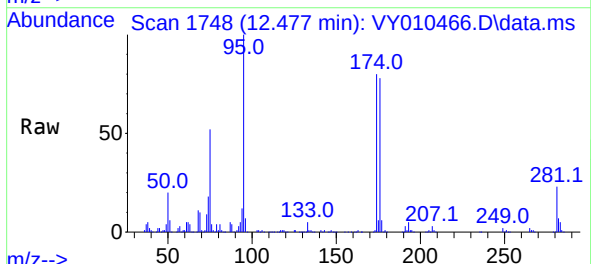
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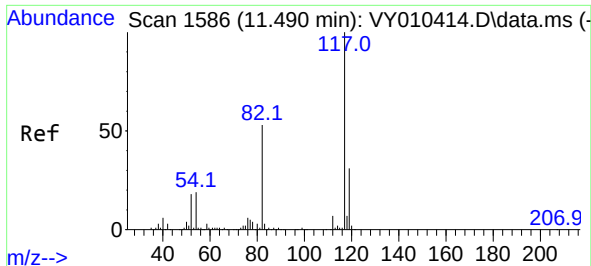
Tgt Ion: 98 Resp: 365791
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 33.971 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010466.D
Acq: 13 Sep 2022 18:06

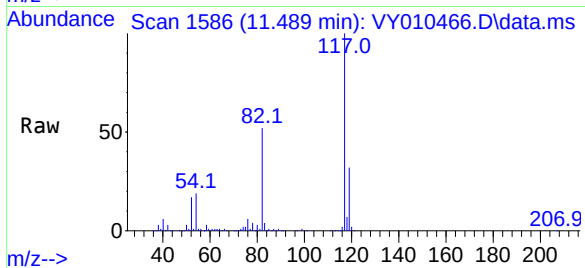
Tgt Ion: 95 Resp: 102361
Ion Ratio Lower Upper
95 100
174 83.5 0.0 177.0
176 80.8 0.0 175.8



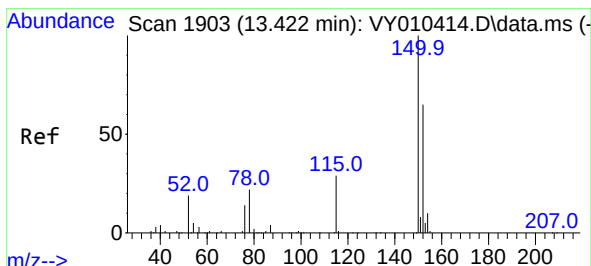
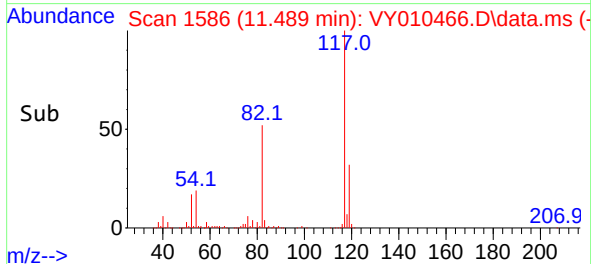
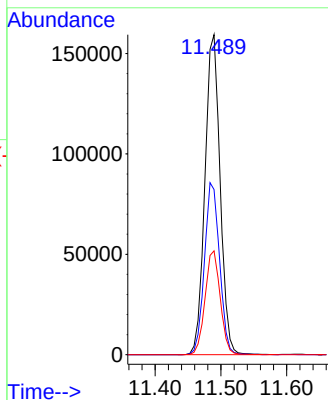


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010466.D
Acq: 13 Sep 2022 18:06

Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_PW002-20220902

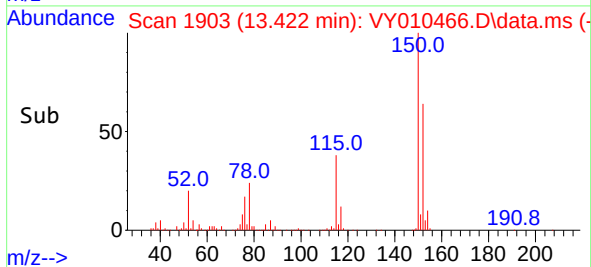
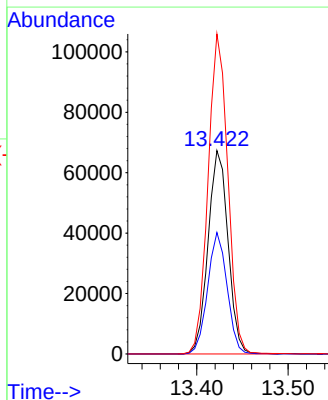
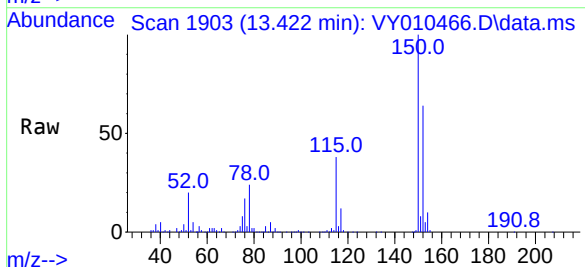


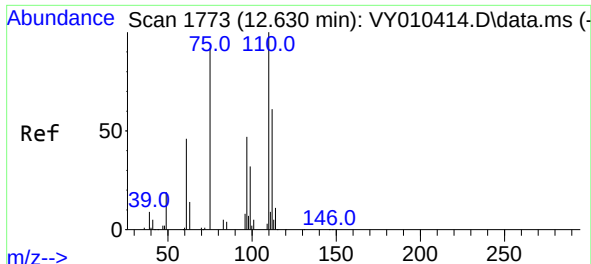
Tgt Ion:117 Resp: 256263
Ion Ratio Lower Upper
117 100
82 51.6 43.0 64.4
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010466.D
Acq: 13 Sep 2022 18:06

Tgt Ion:152 Resp: 102270
Ion Ratio Lower Upper
152 100
115 58.0 28.2 84.7
150 155.4 0.0 347.6

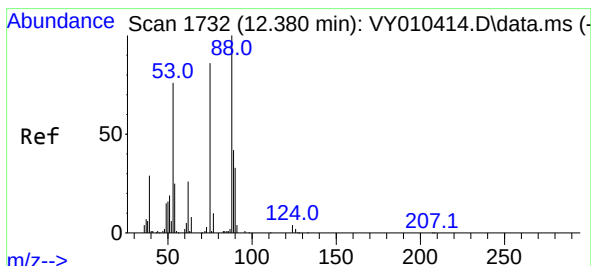
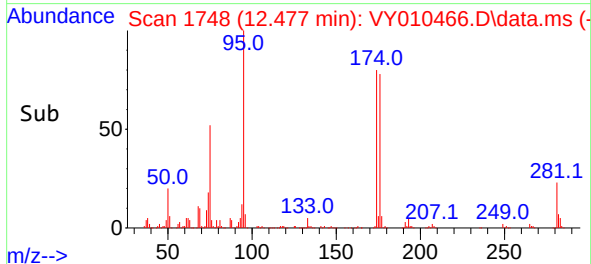
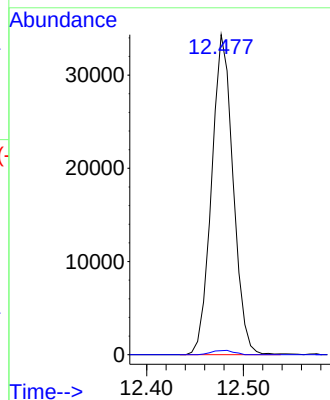
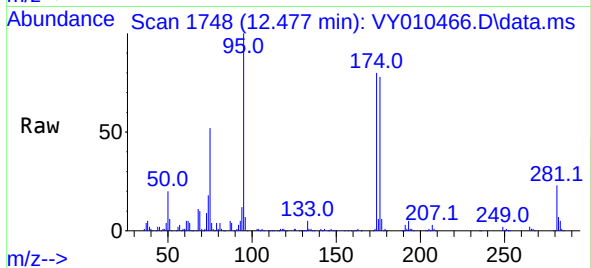




#76
1,2,3-Trichloropropane
Concen: 47.070 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010466.D
Acq: 13 Sep 2022 18:06

Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_PW002-20220902

Tgt Ion: 75 Resp: 53129
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.513 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010466.D
Acq: 13 Sep 2022 18:06

Tgt Ion: 75 Resp: 53129
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.7 37.0 55.4#

