

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010714.D
 Acq On : 28 Sep 2022 14:21
 Operator : KP/MD
 Sample : N4751-06RE
 Misc : 6.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-5D

Quant Time: Sep 29 01:13:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

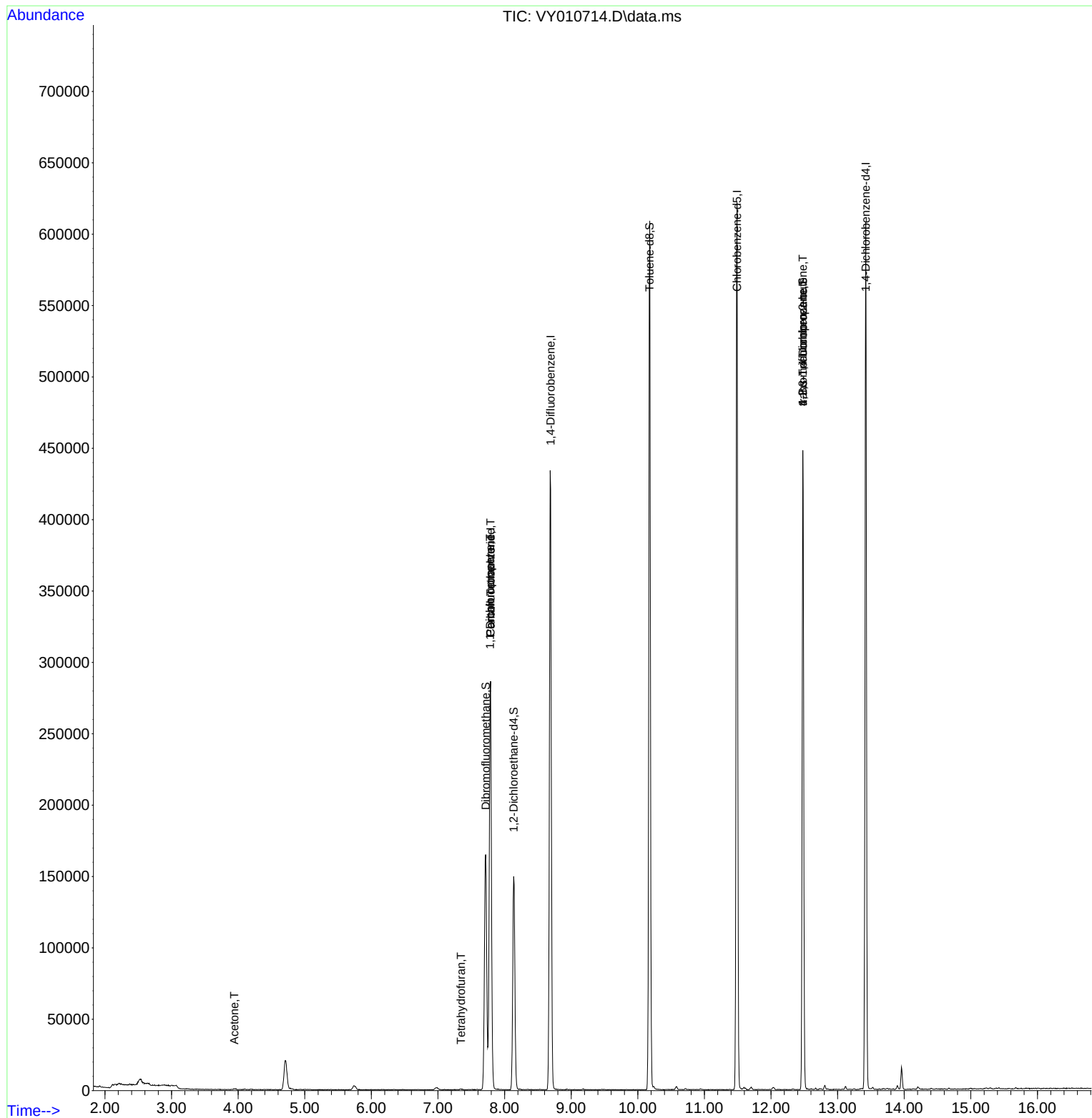
Internal Standards						
1) Pentafluorobenzene	7.789	168	219362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	371190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	333507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	150834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	116295	55.428	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.860%			
35) Dibromofluoromethane	7.716	113	119062	50.260	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.520%			
50) Toluene-d8	10.179	98	392252	45.127	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.260%			
62) 4-Bromofluorobenzene	12.477	95	132459	40.239	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 80.480%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	427	Below Cal	#	65
4) Vinyl Chloride	2.241	62	50	Below Cal	#	43
5) Bromomethane	2.650	94	377	Below Cal		90
11) Tert butyl alcohol	4.942	59	412	Below Cal	#	77
16) Acetone	3.942	43	1056	2.468	ug/l #	73
17) Carbon Disulfide	4.180	76	191	Below Cal	#	75
18) Methyl Acetate	4.485	43	51	Below Cal	#	56
20) Methylene Chloride	4.716	84	16285	Below Cal	#	76
29) Tetrahydrofuran	7.344	42	479	1.165	ug/l #	53
31) Cyclohexane	7.783	56	4837	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	17168	6.504	ug/l #	50
38) Carbon Tetrachloride	7.789	117	22298	7.347	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	69817	48.497	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	69817	107.830	ug/l #	7

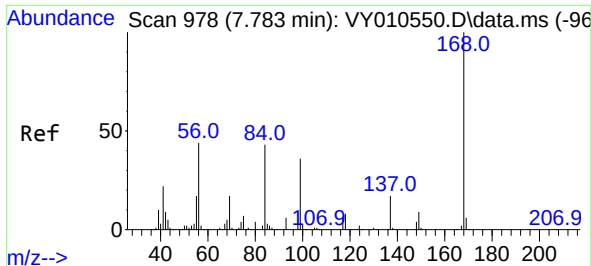
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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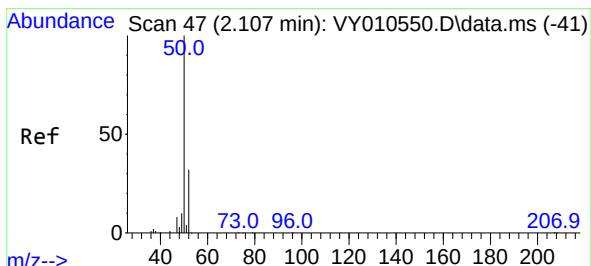
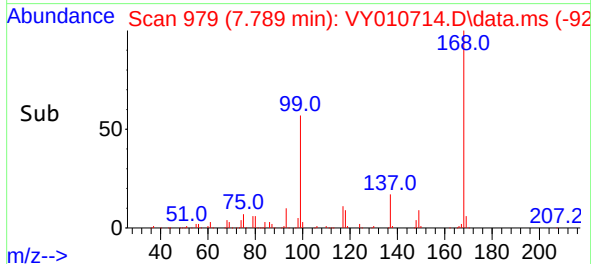
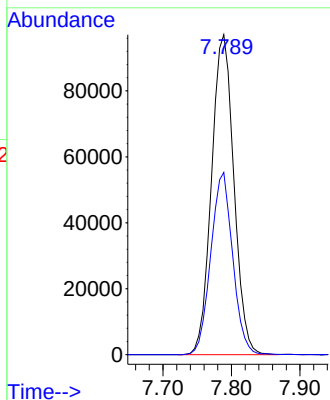
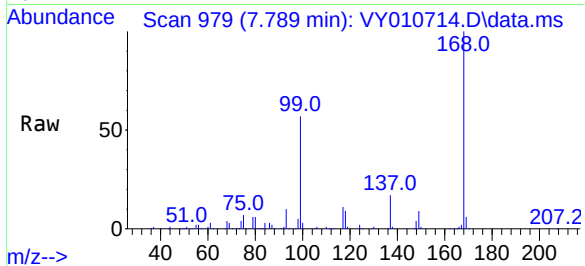




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

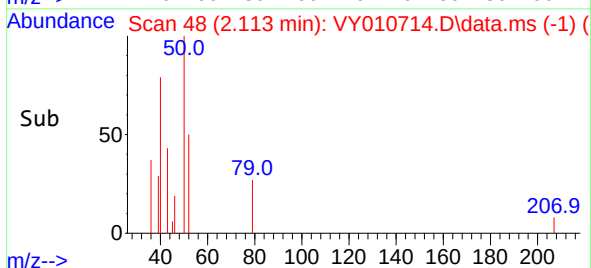
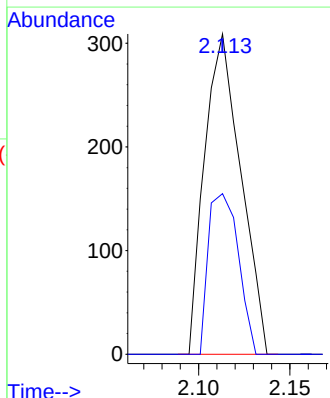
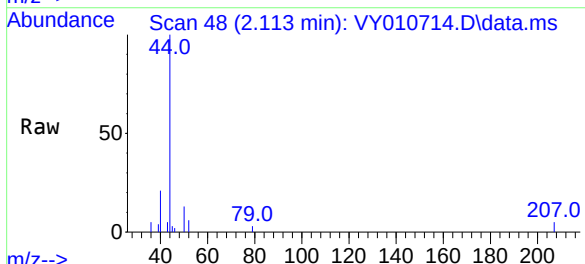
Instrument :
MSVOA_Y
ClientSampleId :
PE-5D

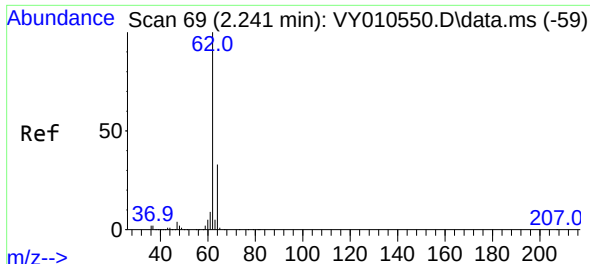
Tgt Ion:168 Resp: 219362
Ion Ratio Lower Upper
168 100
99 57.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

Tgt Ion: 50 Resp: 427
Ion Ratio Lower Upper
50 100
52 50.2 24.6 37.0#

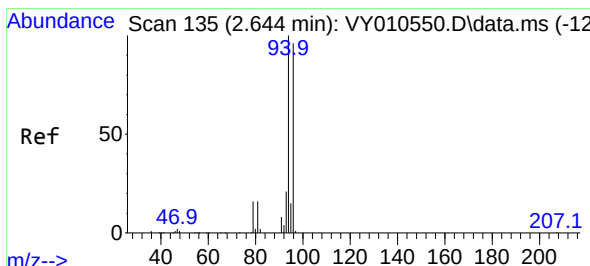
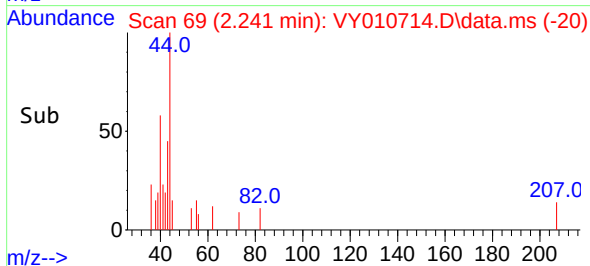
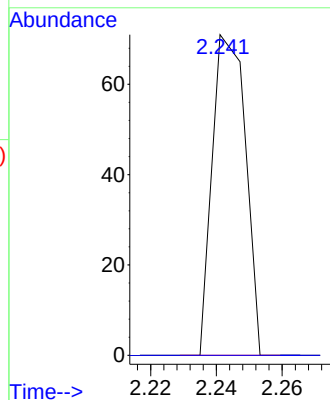
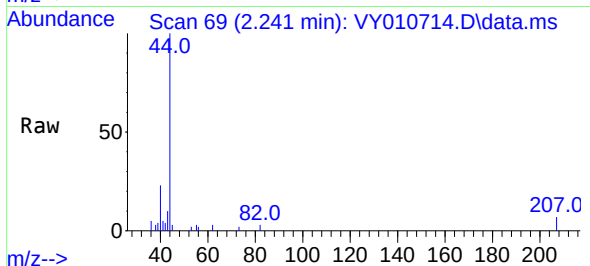




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.241 min Scan# 69
 Delta R.T. 0.000 min
 Lab File: VY010714.D
 Acq: 28 Sep 2022 14:21

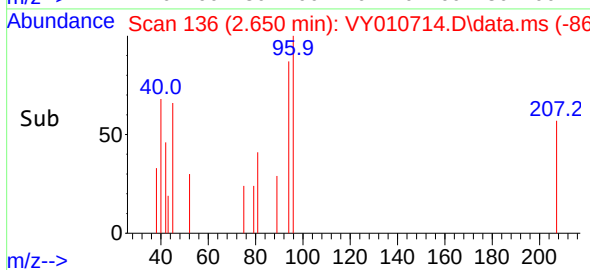
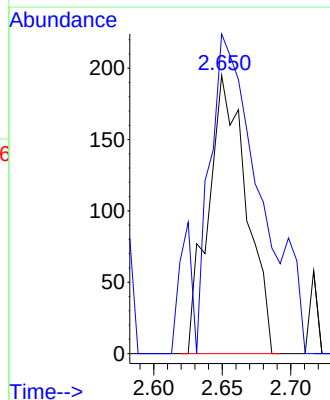
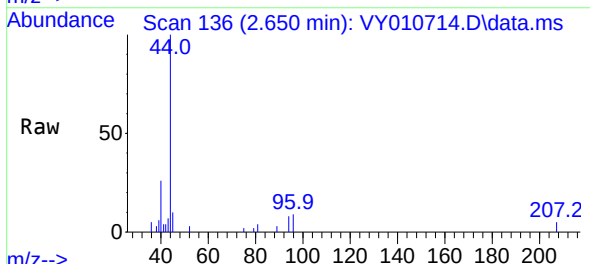
Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-5D

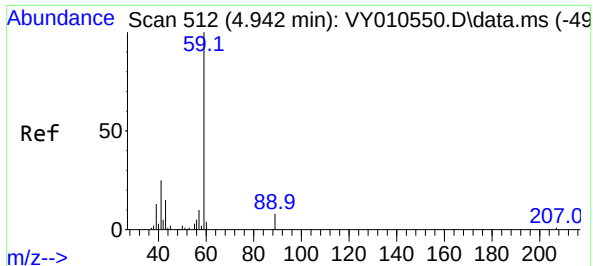
Tgt Ion: 62 Resp: 50
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.650 min Scan# 136
 Delta R.T. 0.006 min
 Lab File: VY010714.D
 Acq: 28 Sep 2022 14:21

Tgt Ion: 94 Resp: 377
 Ion Ratio Lower Upper
 94 100
 96 82.6 73.5 110.3

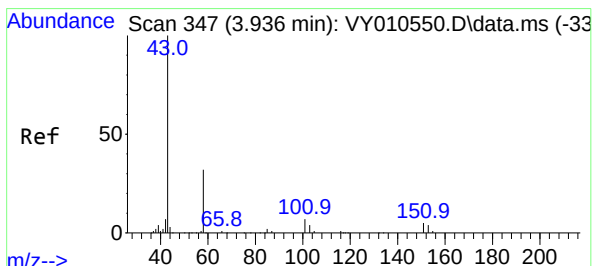
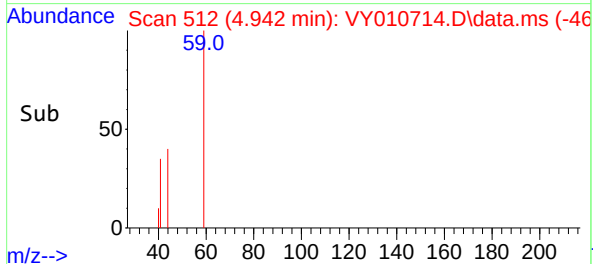
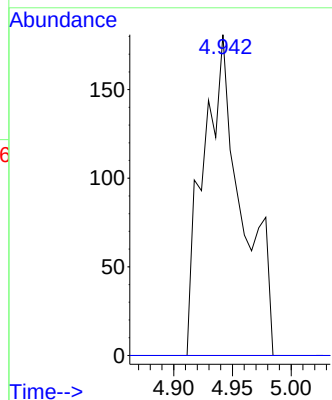
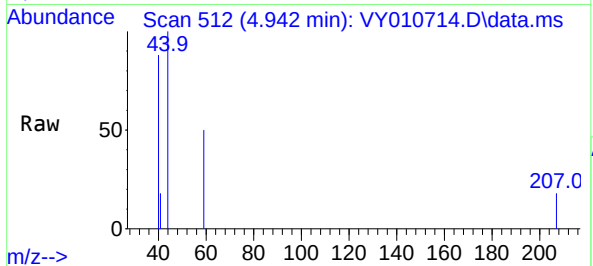




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.000 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

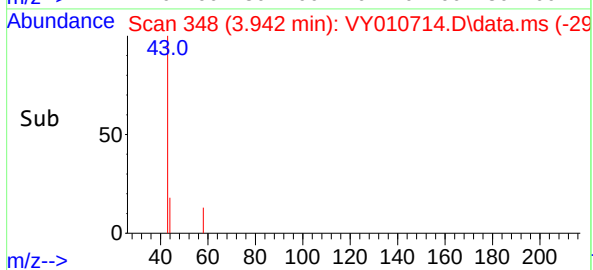
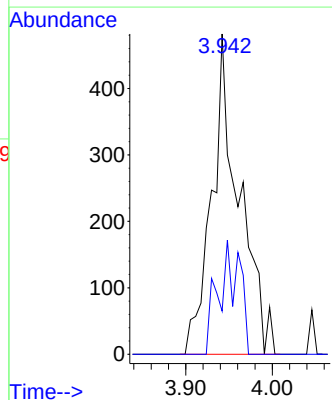
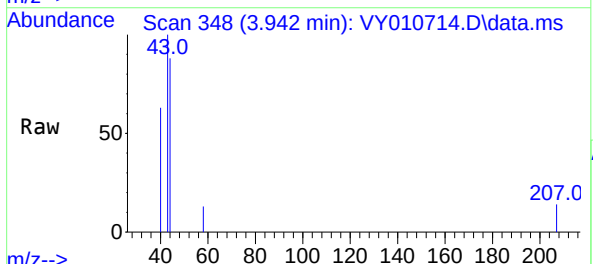
Instrument :
MSVOA_Y
ClientSampleId :
PE-5D

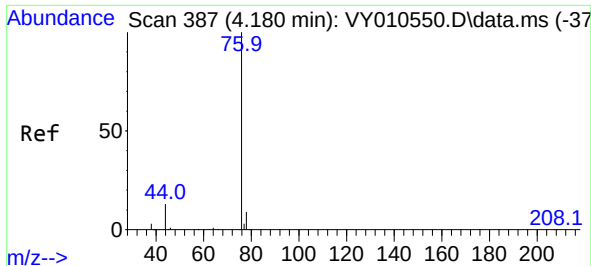
Tgt Ion: 59 Resp: 412
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 2.468 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

Tgt Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
58 13.5 22.0 33.0#

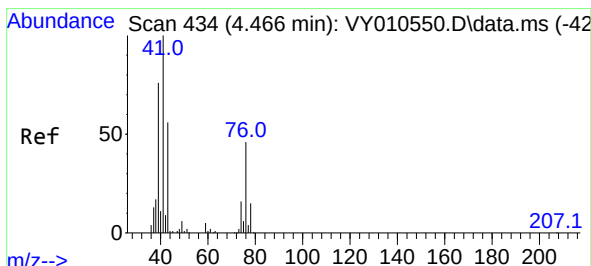
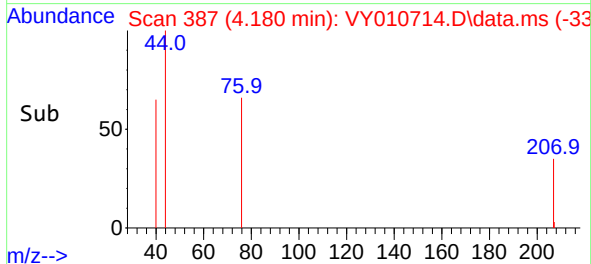
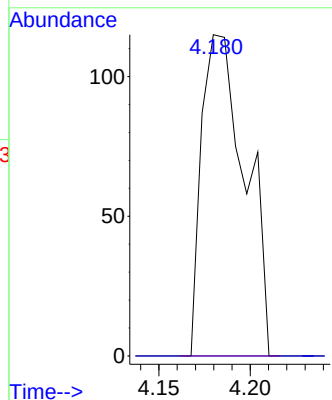
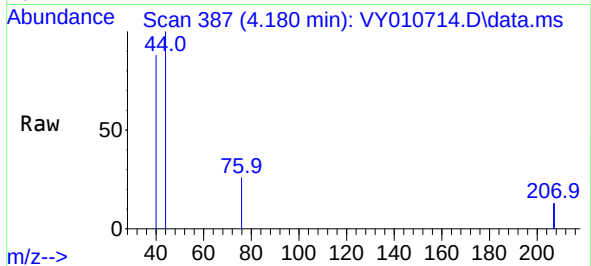




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.180 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

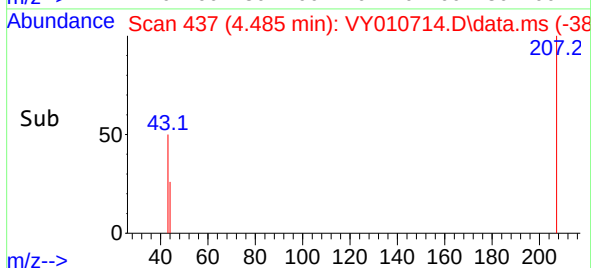
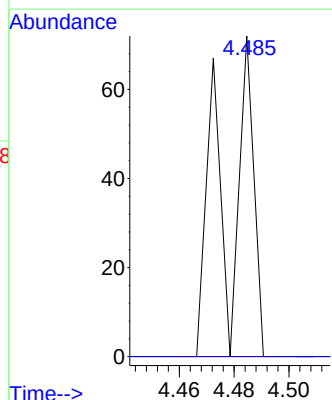
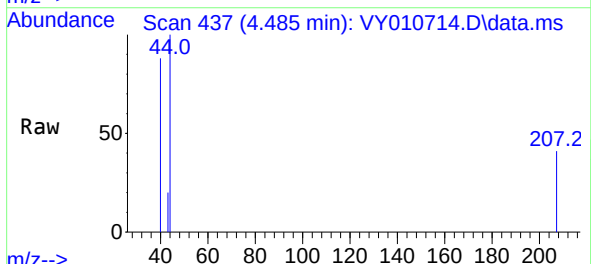
Instrument :
MSVOA_Y
ClientSampleId :
PE-5D

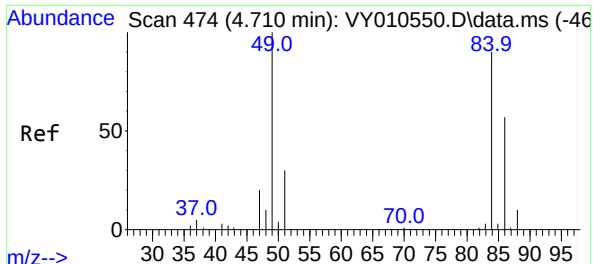
Tgt Ion: 76 Resp: 191
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.019 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

Tgt Ion: 43 Resp: 51
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



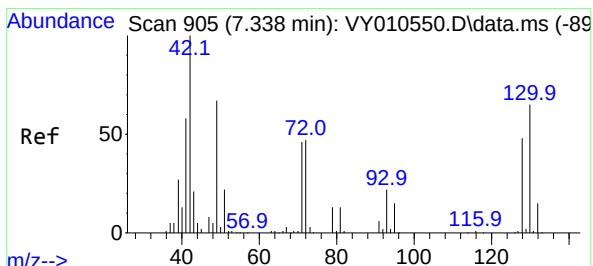
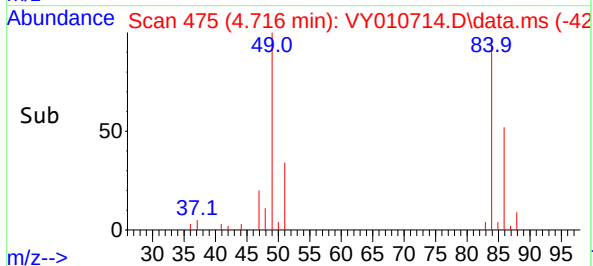
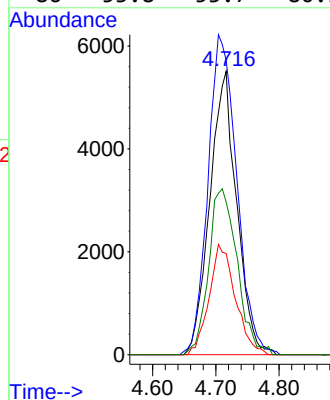
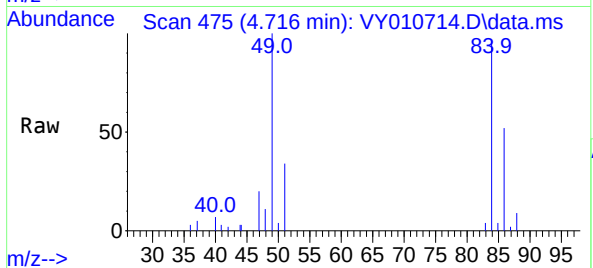


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

Instrument :
MSVOA_Y
ClientSampleId :
PE-5D

Tgt Ion: 84 Resp: 16285

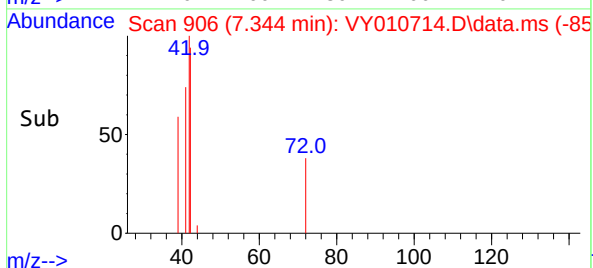
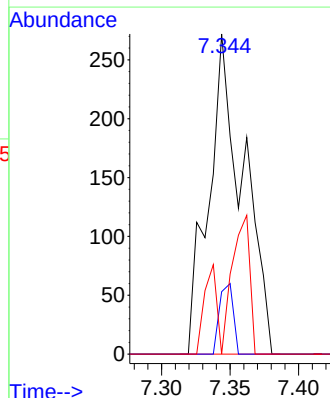
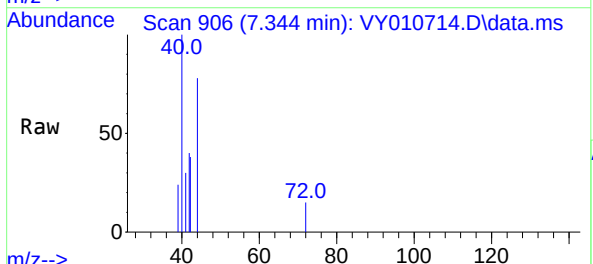
Ion	Ratio	Lower	Upper
84	100		
49	103.9	114.4	171.6#
51	35.7	35.3	52.9
86	53.8	53.7	80.5

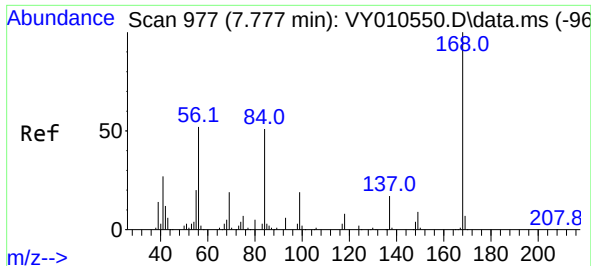


#29
Tetrahydrofuran
Concen: 1.165 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

Tgt Ion: 42 Resp: 479

Ion	Ratio	Lower	Upper
42	100		
72	8.6	30.3	45.5#
71	10.0	29.0	43.4#

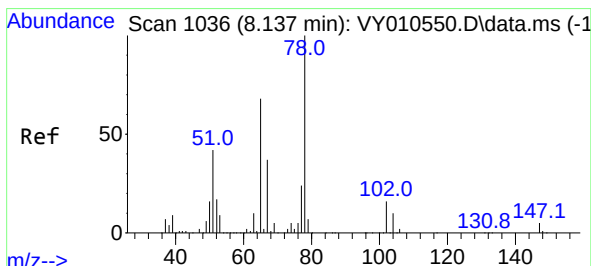
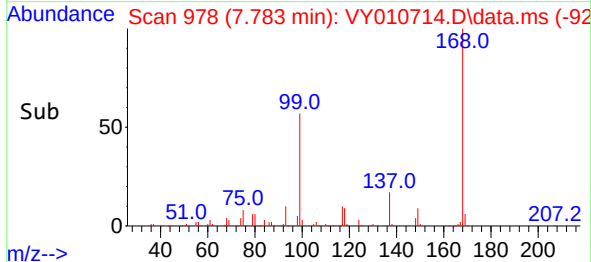
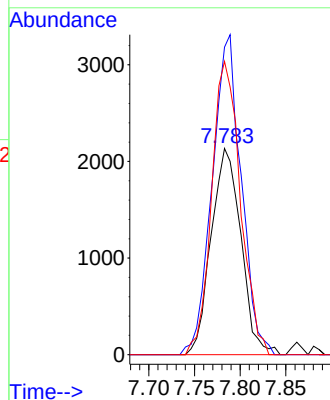
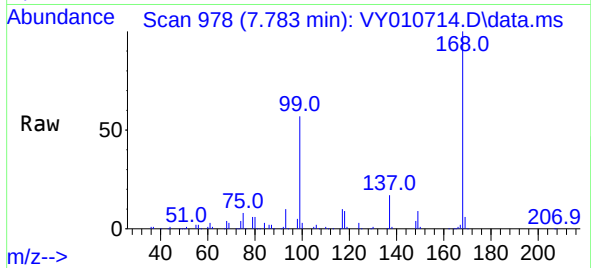




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

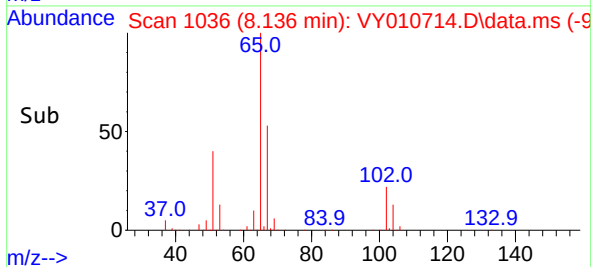
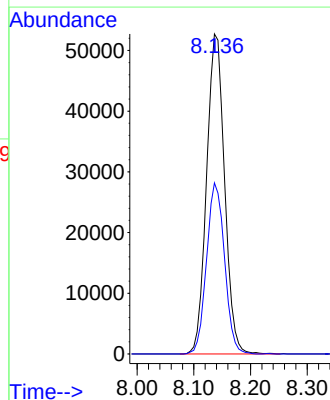
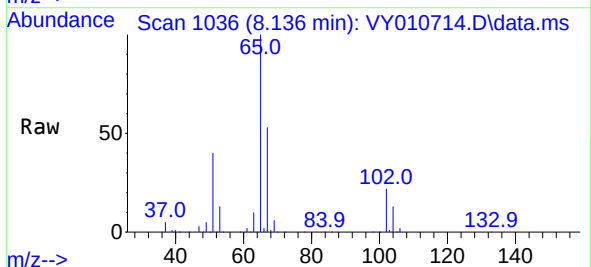
Instrument :
MSVOA_Y
ClientSampleId :
PE-5D

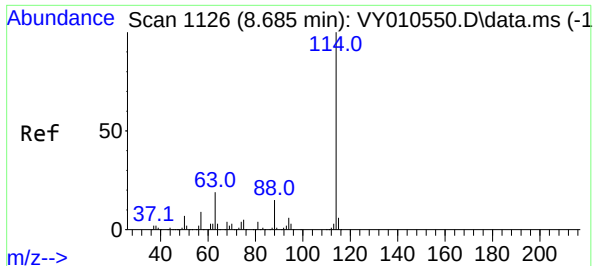
Tgt Ion: 56 Resp: 4837
Ion Ratio Lower Upper
56 100
69 149.1 26.7 40.1#
84 142.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.428 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

Tgt Ion: 65 Resp: 116295
Ion Ratio Lower Upper
65 100
67 53.3 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: VY010714.D

Acq: 28 Sep 2022 14:21

Instrument :

MSVOA_Y

ClientSampleId :

PE-5D

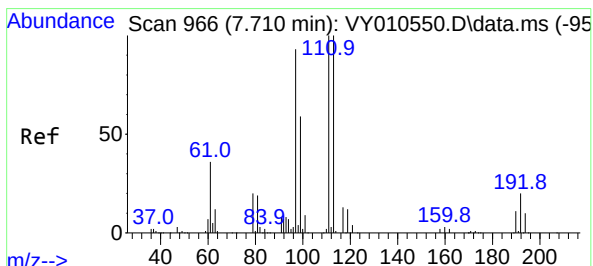
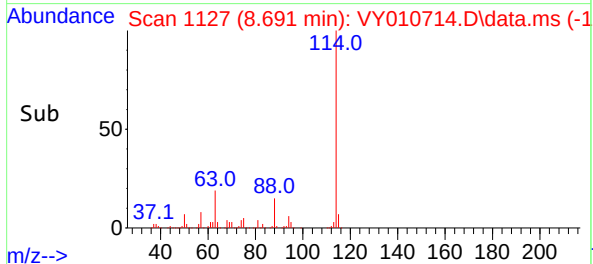
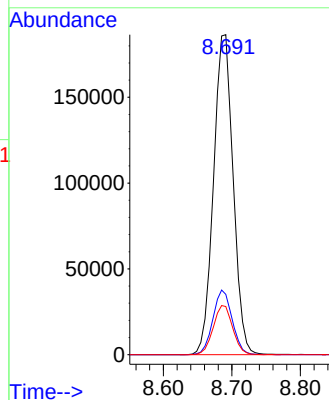
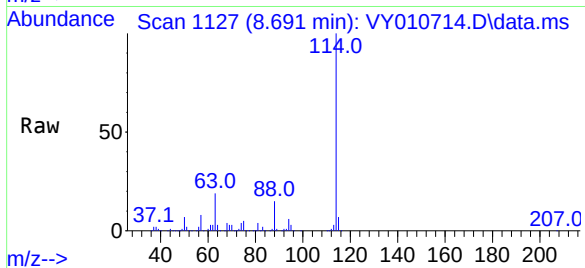
Tgt Ion:114 Resp: 371190

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.260 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010714.D

Acq: 28 Sep 2022 14:21

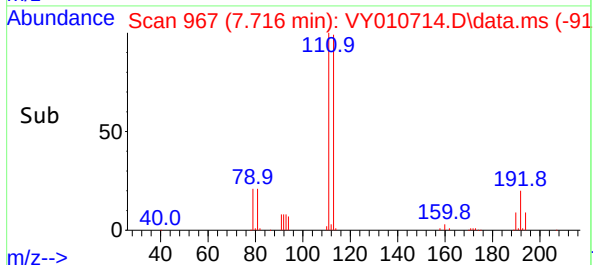
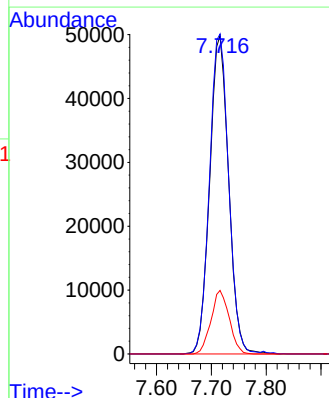
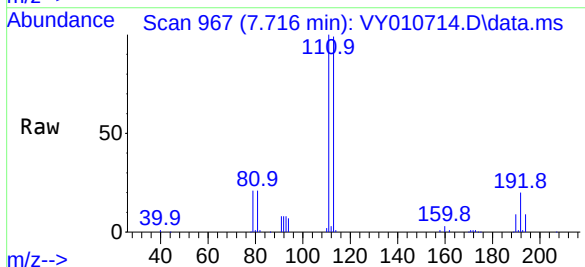
Tgt Ion:113 Resp: 119062

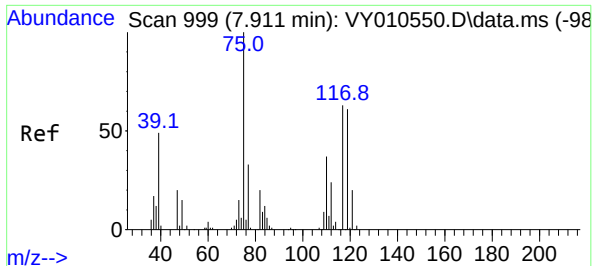
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 19.2 17.6 26.4

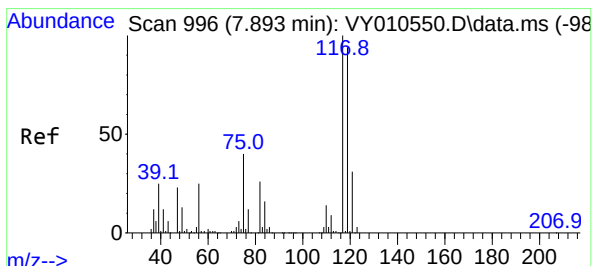
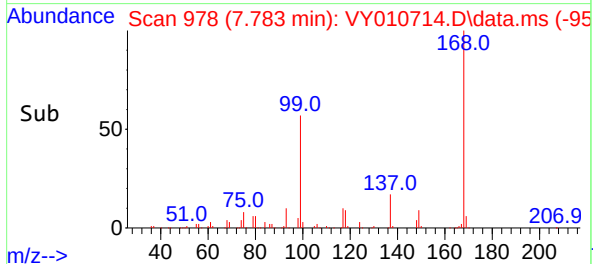
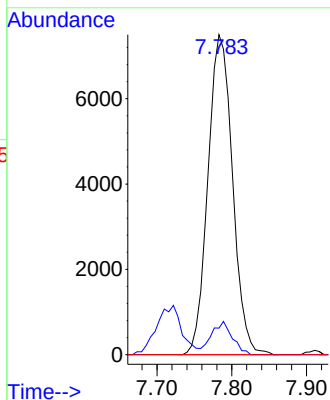
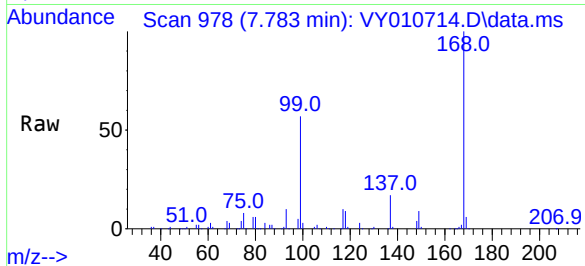




#36
1,1-Dichloropropene
Concen: 6.504 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

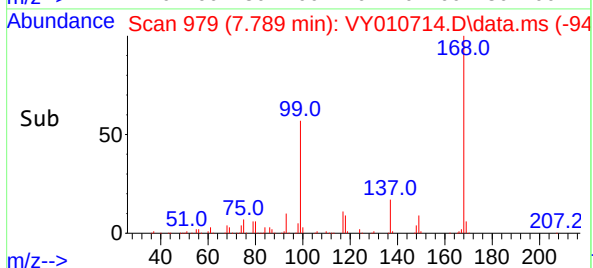
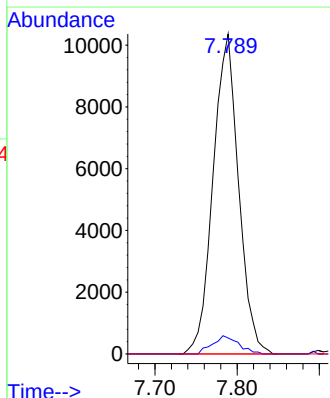
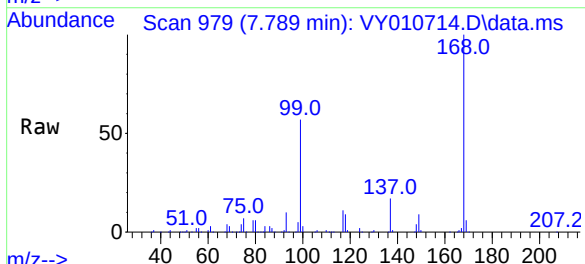
Instrument :
MSVOA_Y
ClientSampleId :
PE-5D

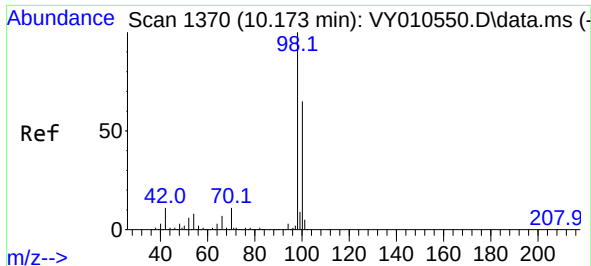
Tgt Ion: 75 Resp: 17168
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.347 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

Tgt Ion: 117 Resp: 22298
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#

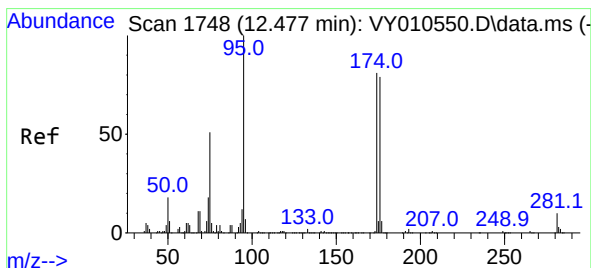
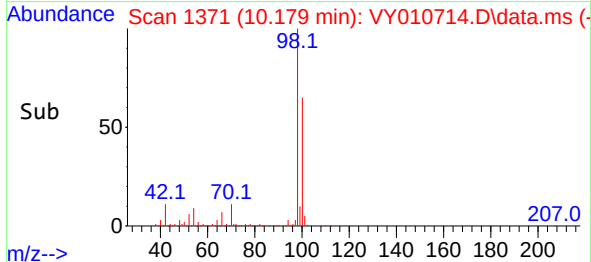
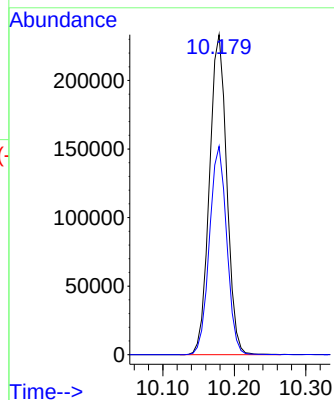
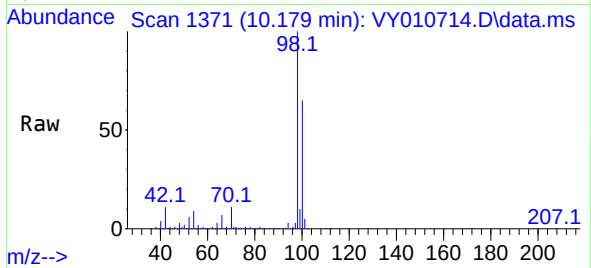




#50
Toluene-d8
Concen: 45.127 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

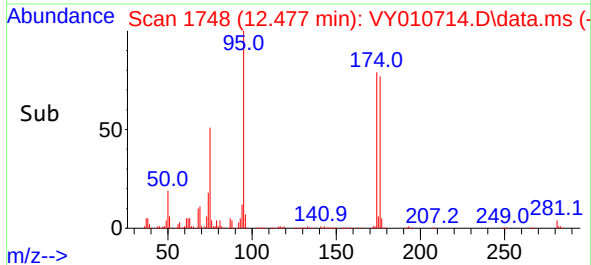
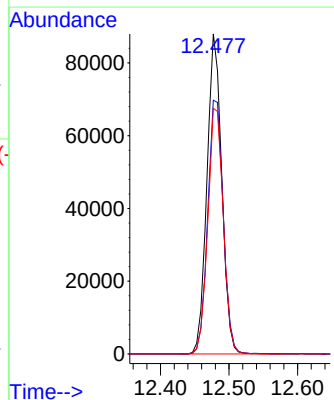
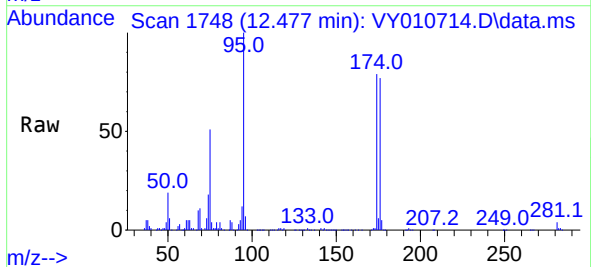
Instrument :
MSVOA_Y
ClientSampleId :
PE-5D

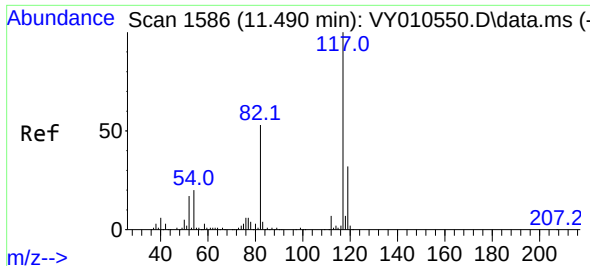
Tgt Ion: 98 Resp: 392252
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.239 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

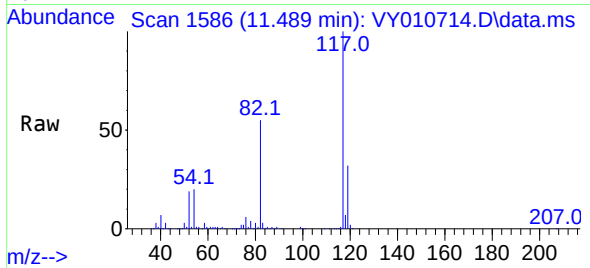
Tgt Ion: 95 Resp: 132459
Ion Ratio Lower Upper
95 100
174 83.2 0.0 177.0
176 80.2 0.0 175.8



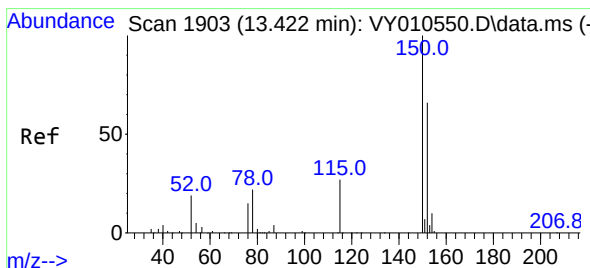
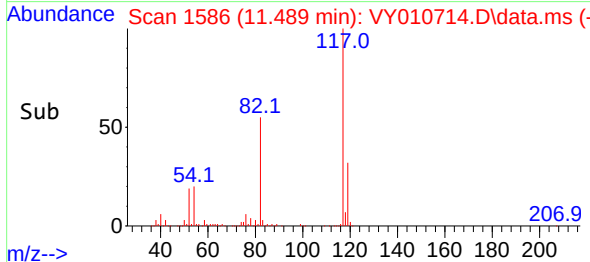
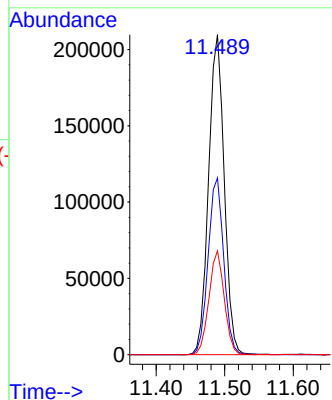


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

Instrument :
MSVOA_Y
ClientSampleId :
PE-5D

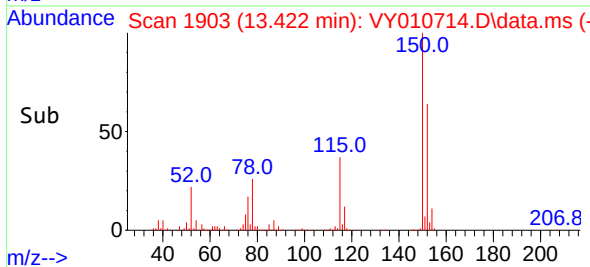
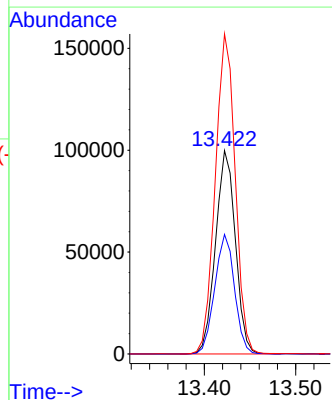
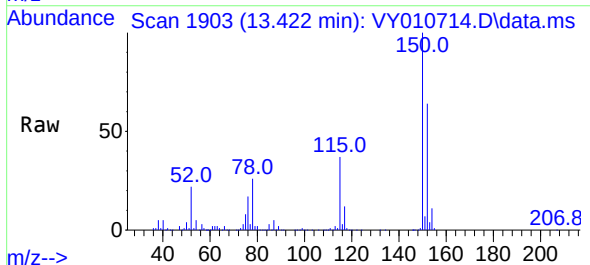


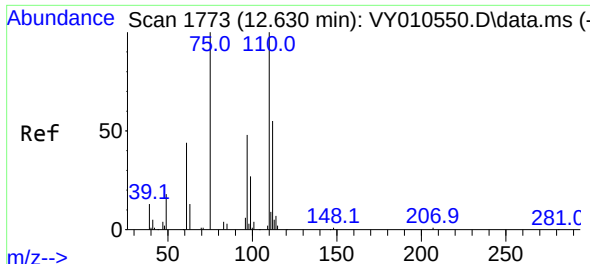
Tgt Ion:117 Resp: 333507
Ion Ratio Lower Upper
117 100
82 55.2 43.0 64.4
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

Tgt Ion:152 Resp: 150834
Ion Ratio Lower Upper
152 100
115 58.6 28.2 84.7
150 158.0 0.0 347.6

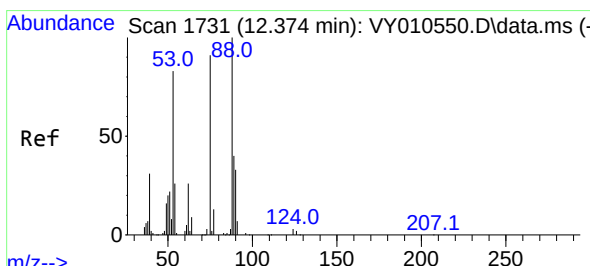
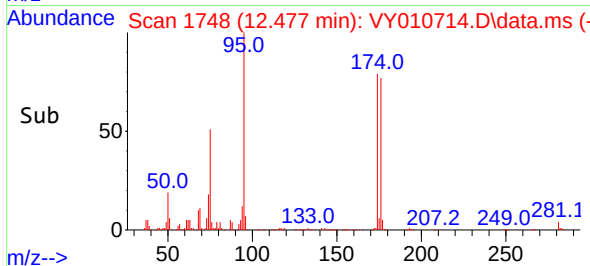
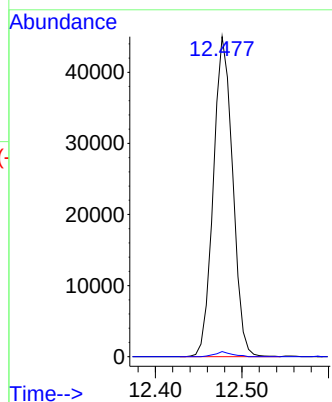
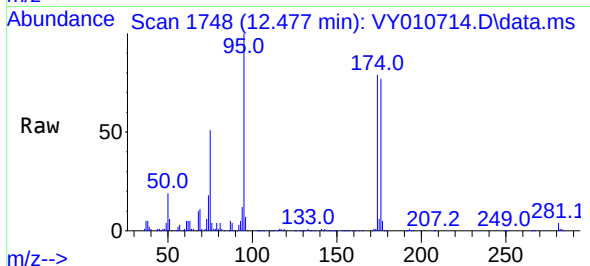




#76
1,2,3-Trichloropropane
Concen: 48.497 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

Instrument :
MSVOA_Y
ClientSampleId :
PE-5D

Tgt Ion: 75 Resp: 69817
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.830 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010714.D
Acq: 28 Sep 2022 14:21

Tgt Ion: 75 Resp: 69817
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

