

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092022\
 Data File : VY010578.D
 Acq On : 20 Sep 2022 16:23
 Operator : KP/MD
 Sample : N4695-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 01:21:10 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)

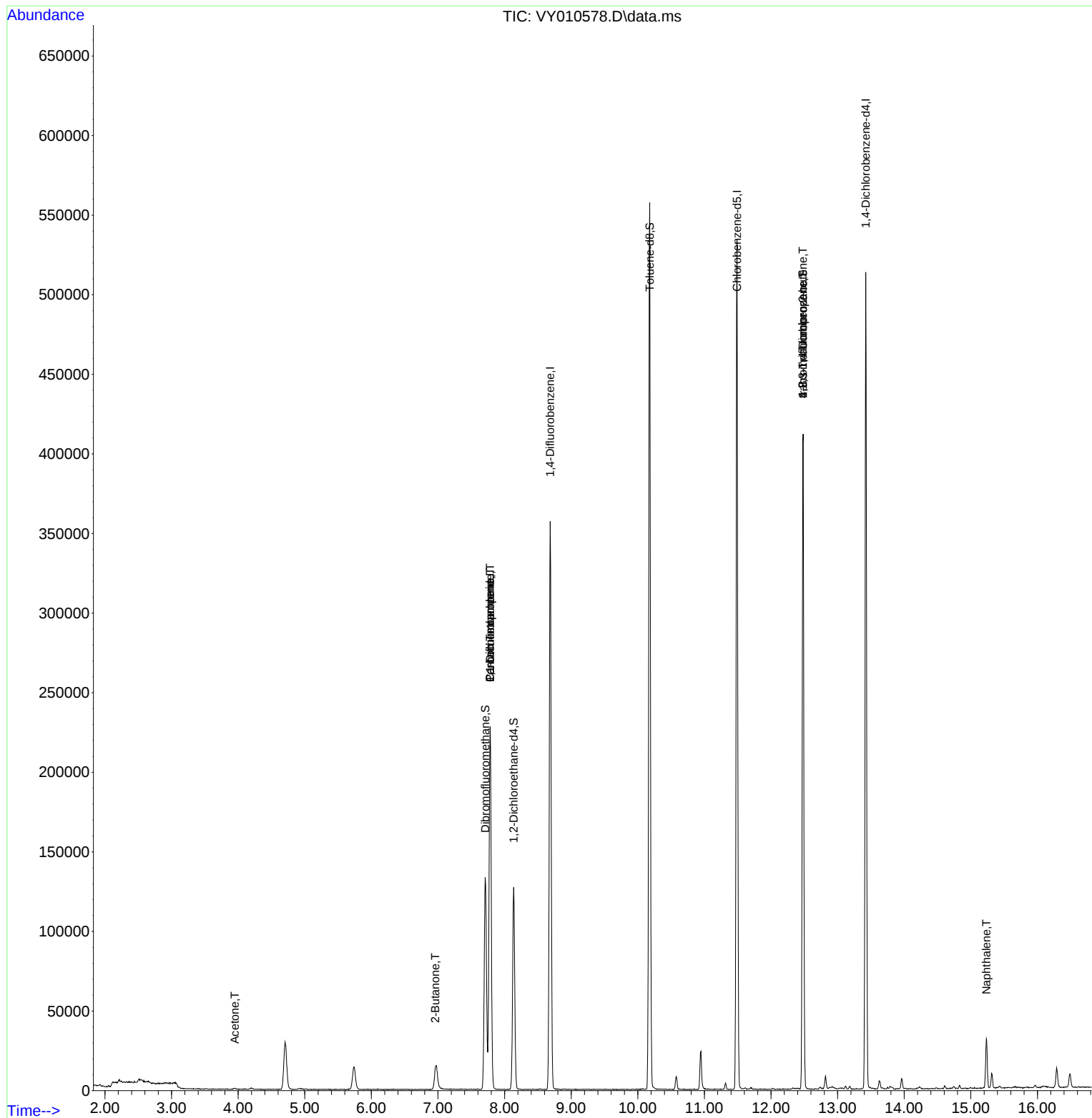
Internal Standards						
1) Pentafluorobenzene	7.783	168	182731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	313086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	293285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	97061	55.534	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.060%	
35) Dibromofluoromethane	7.710	113	95605	47.848	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.700%	
50) Toluene-d8	10.179	98	371914	50.341	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.680%	
62) 4-Bromofluorobenzene	12.477	95	124048	44.992	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.980%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	194	Below Cal		91
3) Chloromethane	2.113	50	622	Below Cal	#	75
4) Vinyl Chloride	2.241	62	54	Below Cal	#	43
5) Bromomethane	2.650	94	334	Below Cal		88
11) Tert butyl alcohol	4.948	59	414	Below Cal	#	77
16) Acetone	3.948	43	1091	3.061	ug/l	93
17) Carbon Disulfide	4.186	76	46	Below Cal	#	75
18) Methyl Acetate	4.466	43	94	Below Cal	#	56
25) 2-Butanone	6.960	43	885	1.587	ug/l	# 54
31) Cyclohexane	7.789	56	3480	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	13582	6.101	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	17622	6.884	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	64470	50.556	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	64470	112.408	ug/l	# 7
95) Naphthalene	15.233	128	27396	6.274	ug/l	98

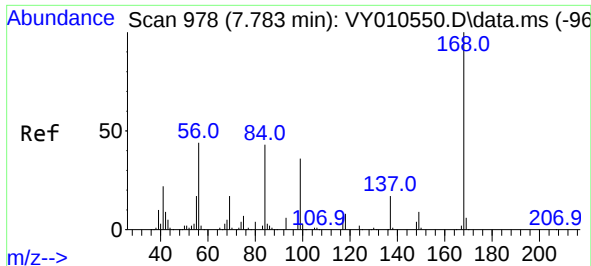
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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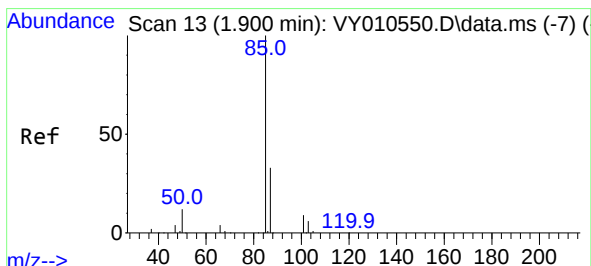
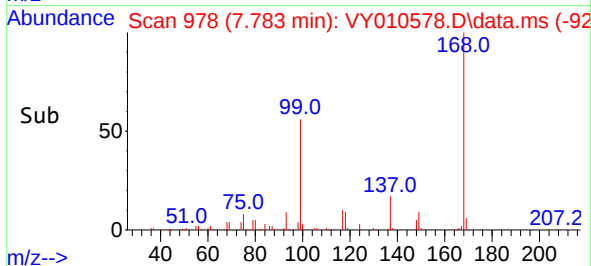
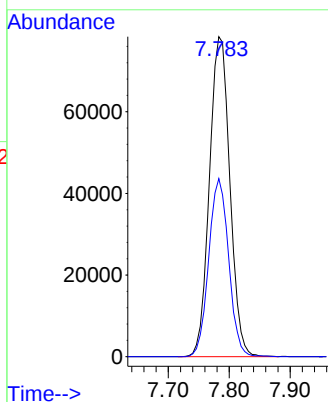
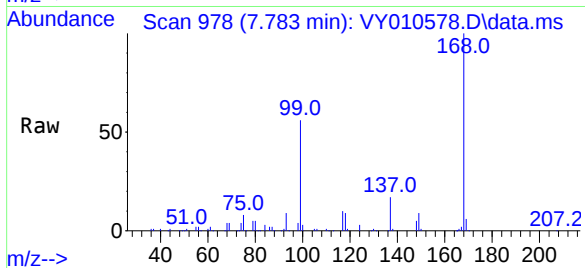




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

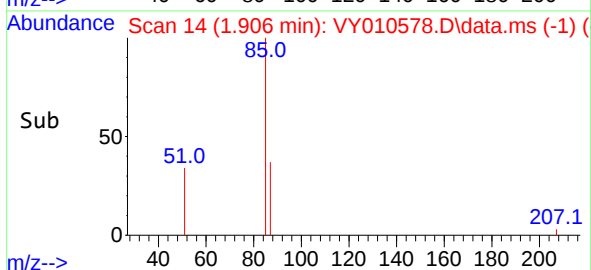
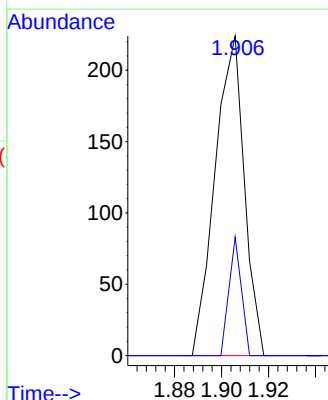
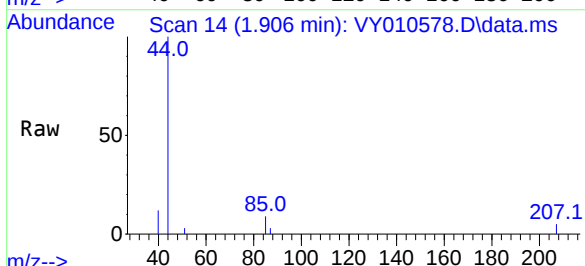
Instrument :
MSVOA_Y
ClientSampleId :

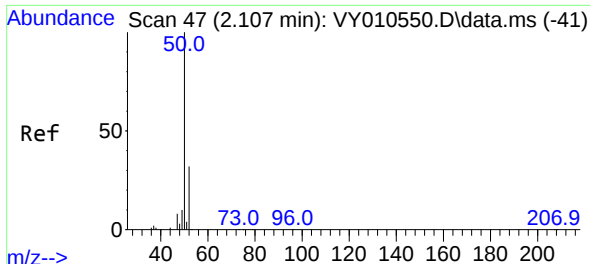
Tgt Ion:168 Resp: 182731
Ion Ratio Lower Upper
168 100
99 55.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

Tgt Ion: 85 Resp: 194
Ion Ratio Lower Upper
85 100
87 37.1 16.1 48.2

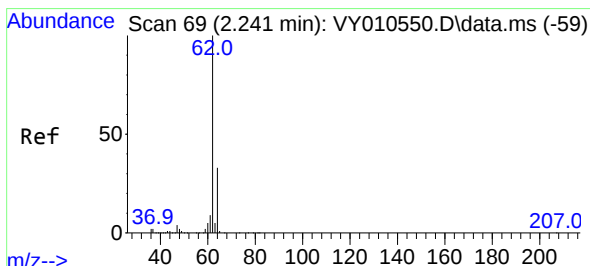
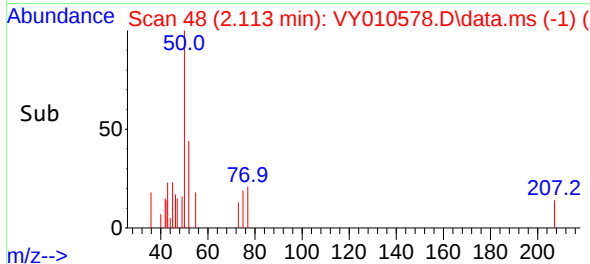
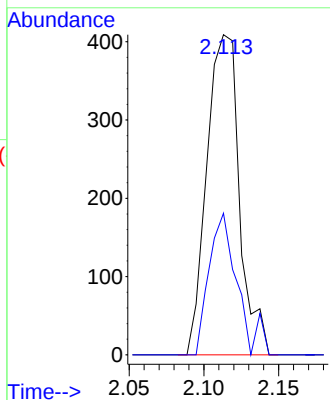
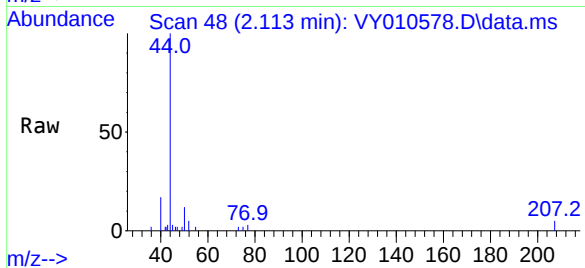




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

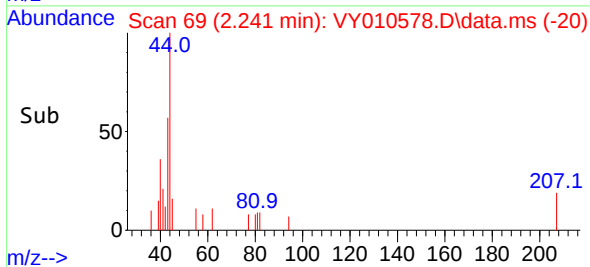
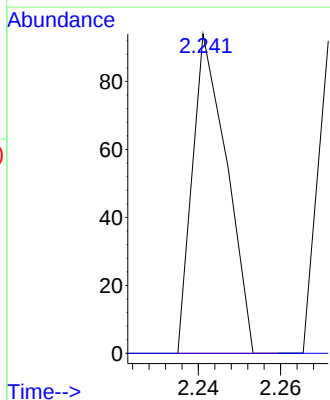
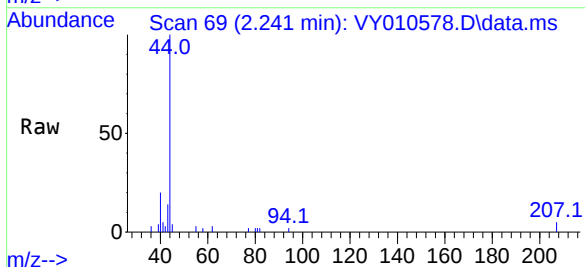
Instrument :
MSVOA_Y
ClientSampleId :

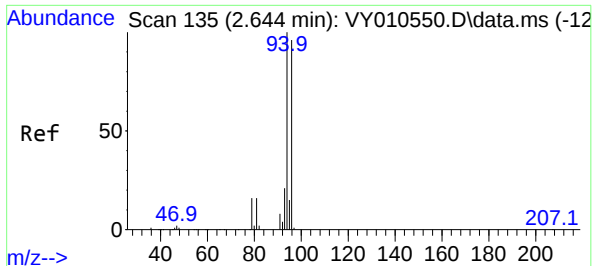
Tgt Ion: 50 Resp: 622
Ion Ratio Lower Upper
50 100
52 44.3 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

Tgt Ion: 62 Resp: 54
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

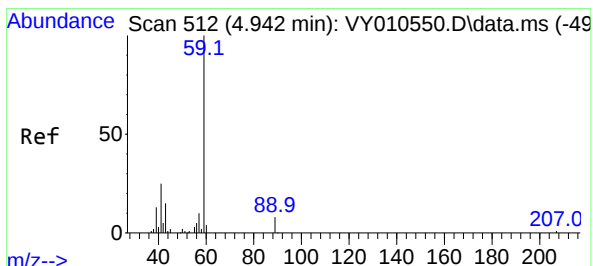
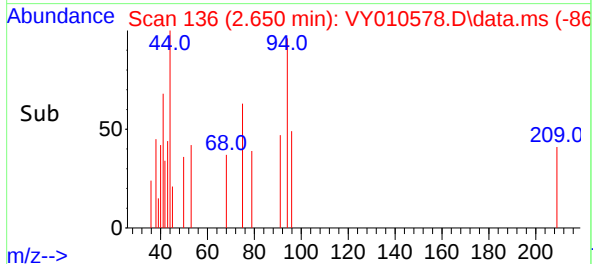
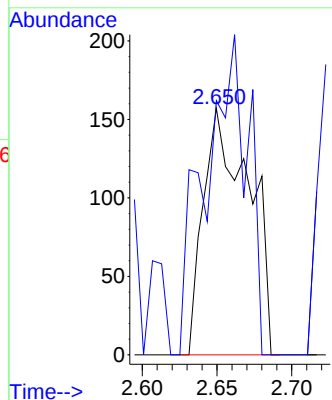
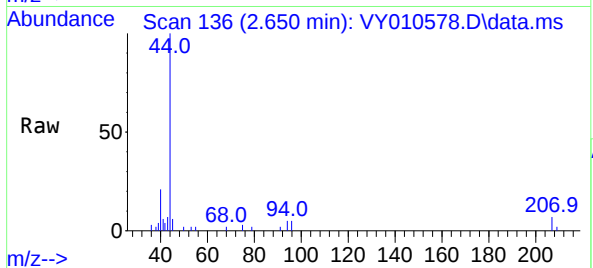




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

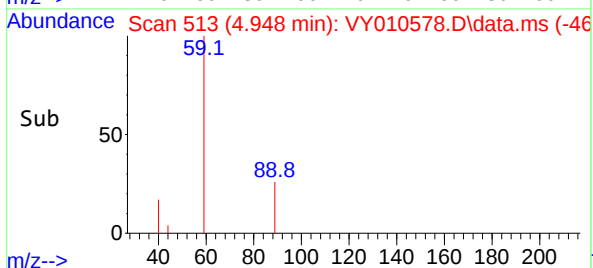
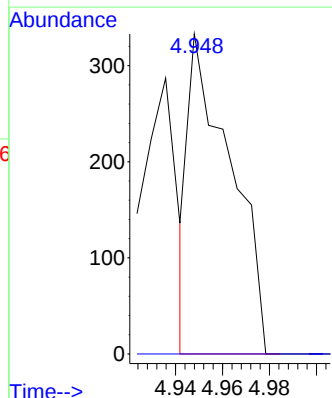
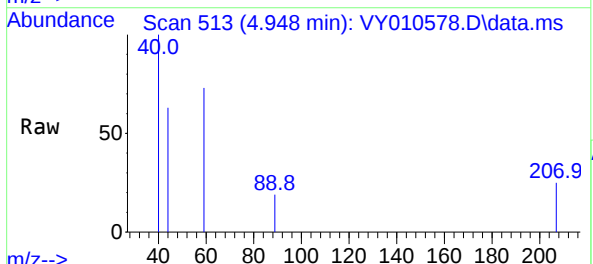
Instrument :
MSVOA_Y
ClientSampleId :

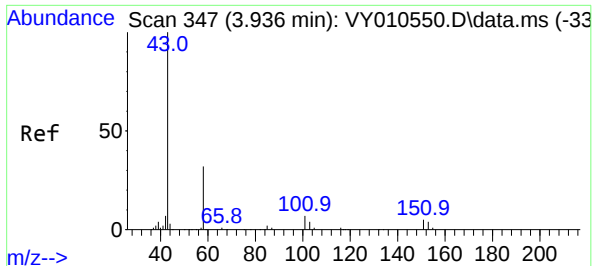
Tgt Ion: 94 Resp: 334
Ion Ratio Lower Upper
94 100
96 103.2 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

Tgt Ion: 59 Resp: 414
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

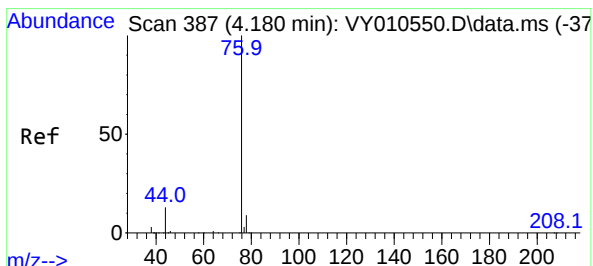
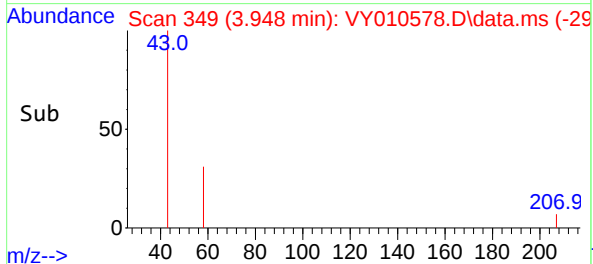
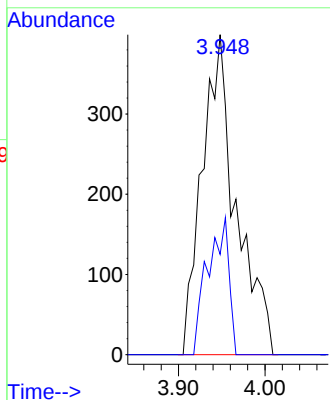
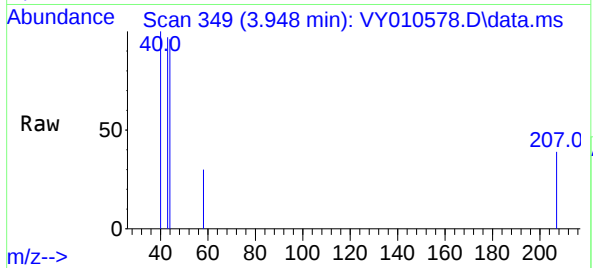




#16
Acetone
Concen: 3.061 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

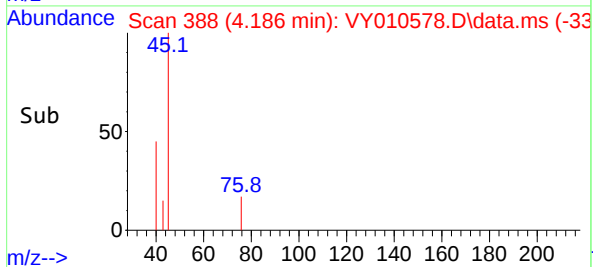
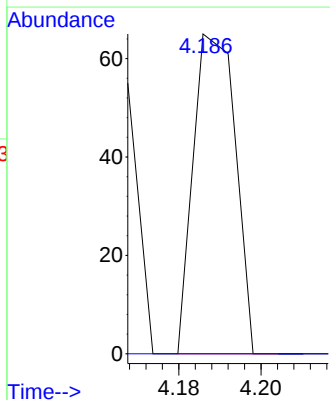
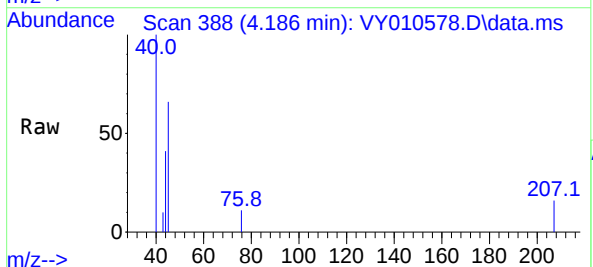
Instrument :
MSVOA_Y
ClientSampleId :

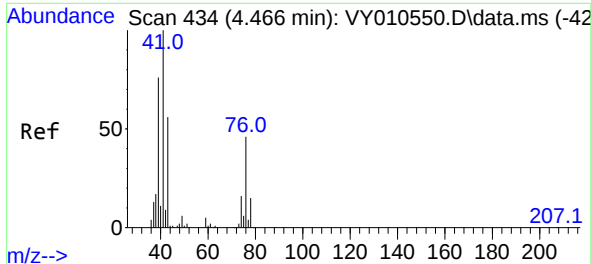
Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
58 31.3 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

Tgt Ion: 76 Resp: 46
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.466 min Scan# 41

Delta R.T. 0.000 min

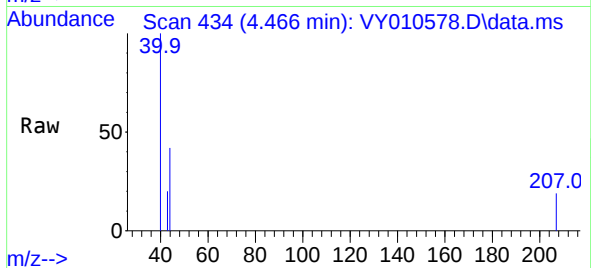
Lab File: VY010578.D

Acq: 20 Sep 2022 16:23

Instrument :

MSVOA_Y

ClientSampleId :

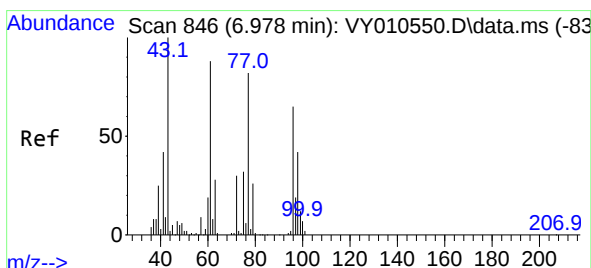
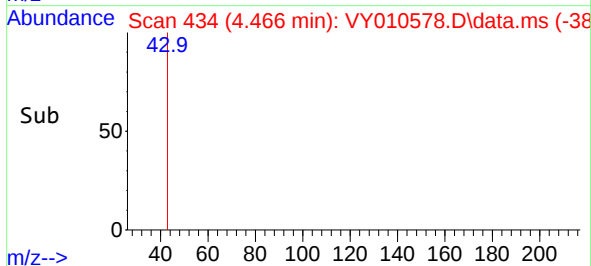
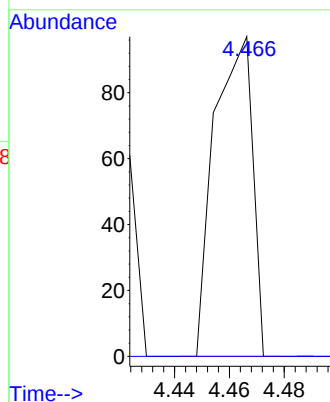


Tgt Ion: 43 Resp: 94

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#25

2-Butanone

Concen: 1.587 ug/l

RT: 6.960 min Scan# 843

Delta R.T. -0.018 min

Lab File: VY010578.D

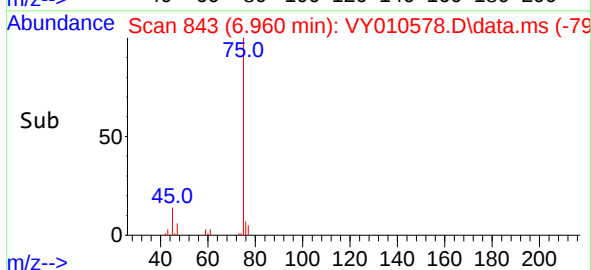
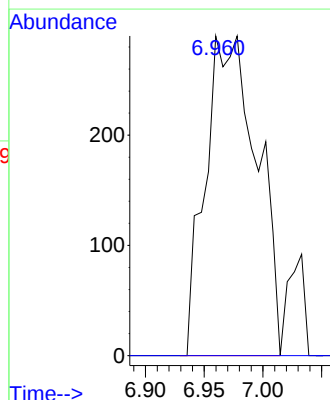
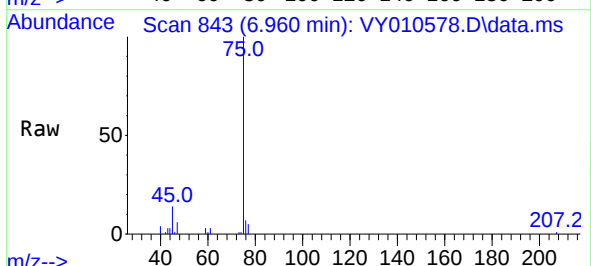
Acq: 20 Sep 2022 16:23

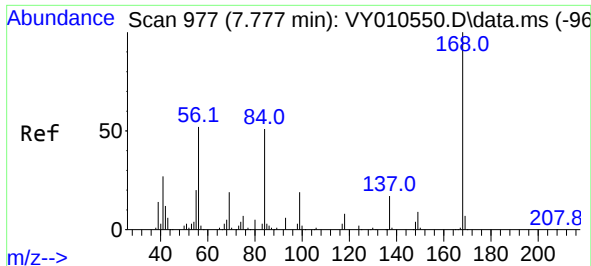
Tgt Ion: 43 Resp: 885

Ion Ratio Lower Upper

43 100

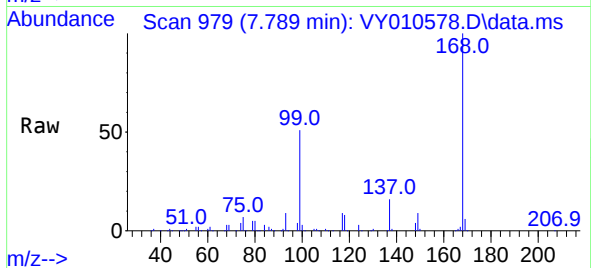
72 0.0 17.7 26.5#



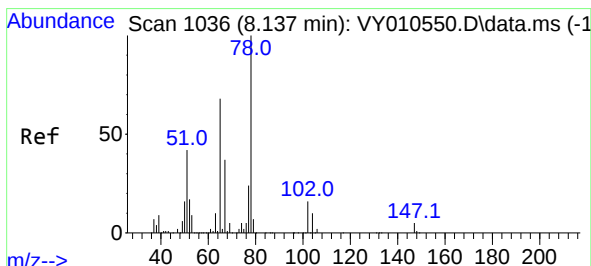
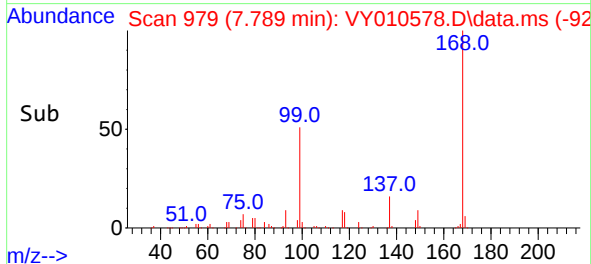
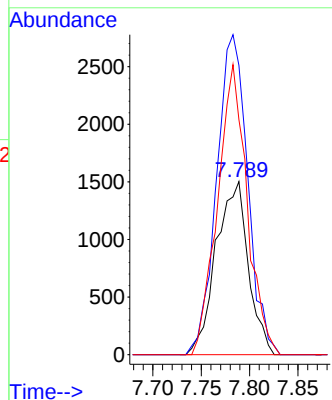


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

Instrument :
MSVOA_Y
ClientSampleId :

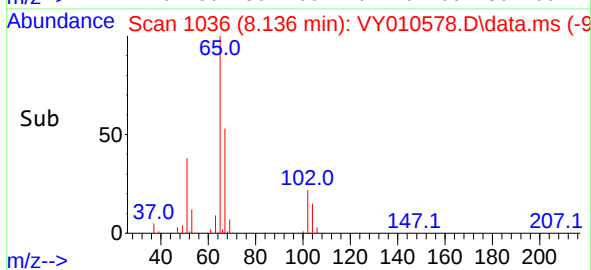
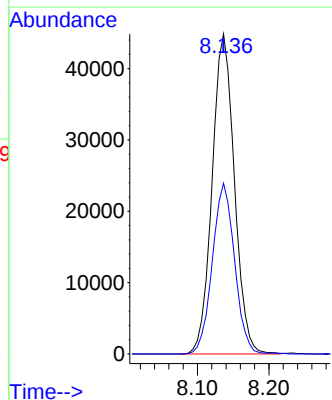
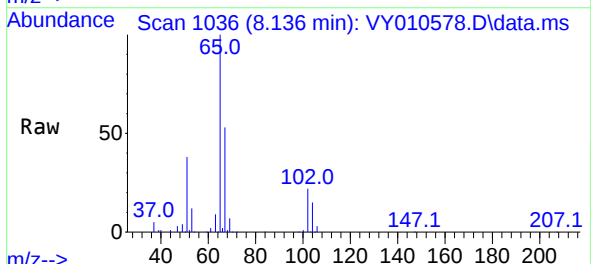


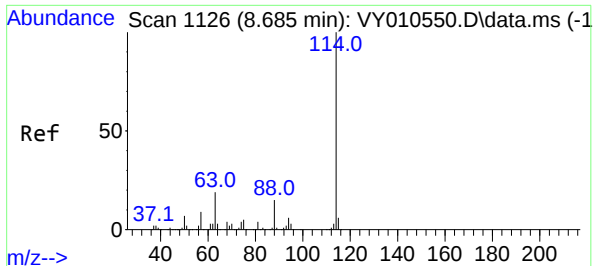
Tgt Ion: 56 Resp: 3480
Ion Ratio Lower Upper
56 100
69 167.2 26.7 40.1#
84 135.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.534 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

Tgt Ion: 65 Resp: 97061
Ion Ratio Lower Upper
65 100
67 53.1 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: VY010578.D

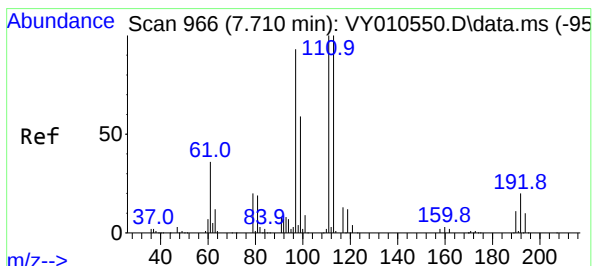
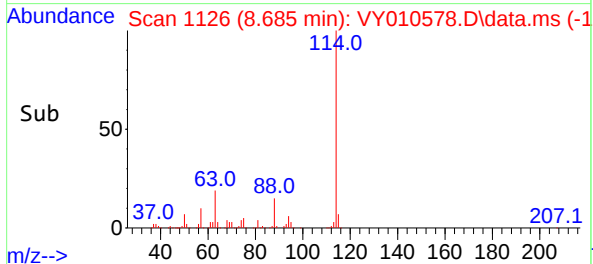
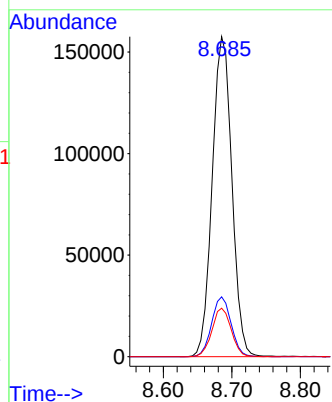
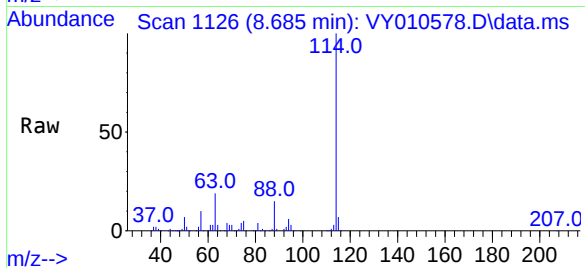
Acq: 20 Sep 2022 16:23

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	313086
Ion	Ratio	Lower Upper
114	100	
63	18.7	0.0 43.2
88	15.1	0.0 31.8



#35

Dibromofluoromethane

Concen: 47.848 ug/l

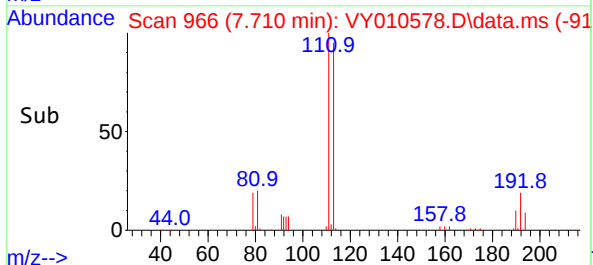
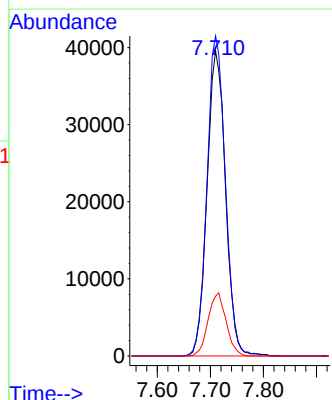
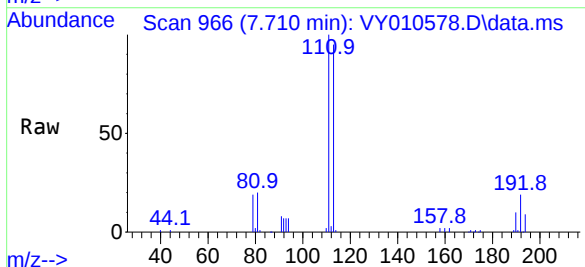
RT: 7.710 min Scan# 966

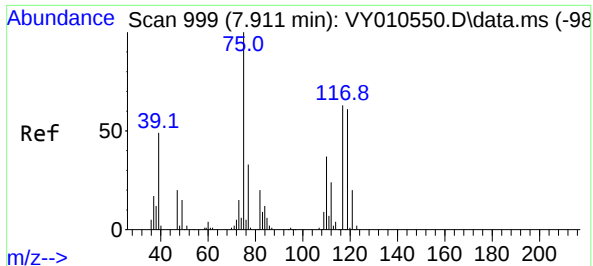
Delta R.T. -0.000 min

Lab File: VY010578.D

Acq: 20 Sep 2022 16:23

Tgt Ion:113	Resp:	95605
Ion	Ratio	Lower Upper
113	100	
111	104.3	82.6 124.0
192	20.2	17.6 26.4





#36

1,1-Dichloropropene

Concen: 6.101 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010578.D

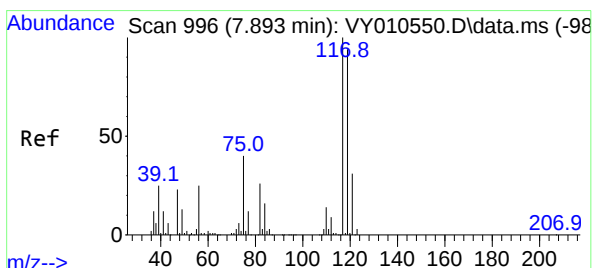
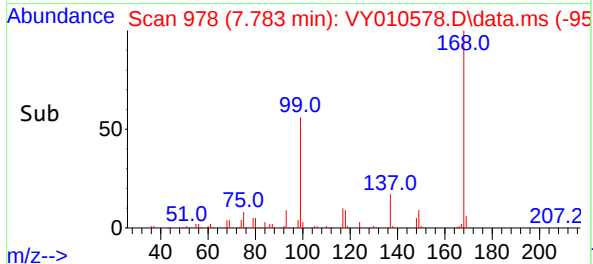
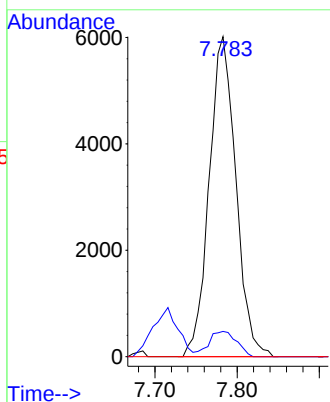
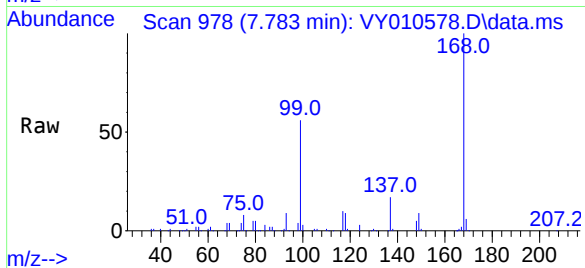
Acq: 20 Sep 2022 16:23

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp: 13582
Ion Ratio	Lower Upper
75 100	
110 8.3	17.1 51.2#
77 0.0	24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.884 ug/l

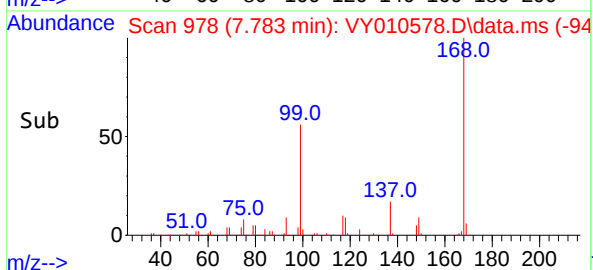
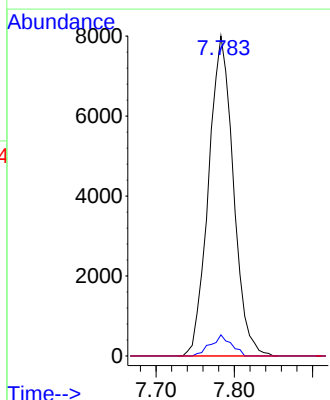
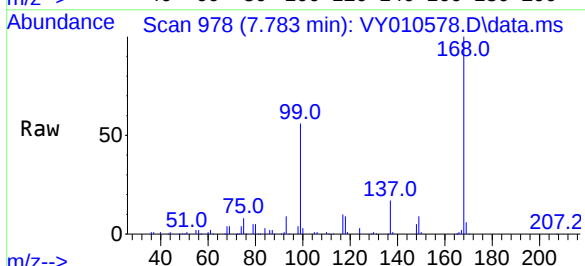
RT: 7.783 min Scan# 978

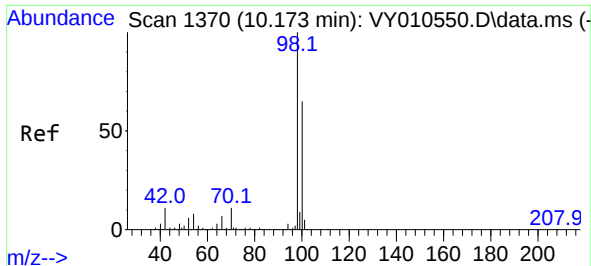
Delta R.T. -0.110 min

Lab File: VY010578.D

Acq: 20 Sep 2022 16:23

Tgt Ion: 117	Resp: 17622
Ion Ratio	Lower Upper
117 100	
119 6.6	77.9 116.9#
121 0.0	24.8 37.2#

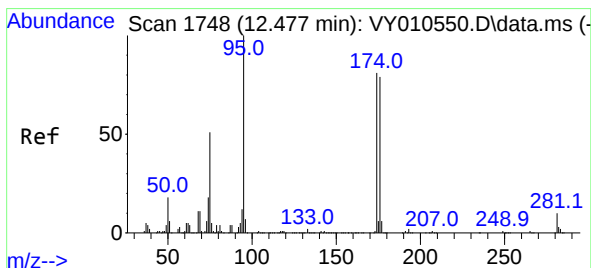
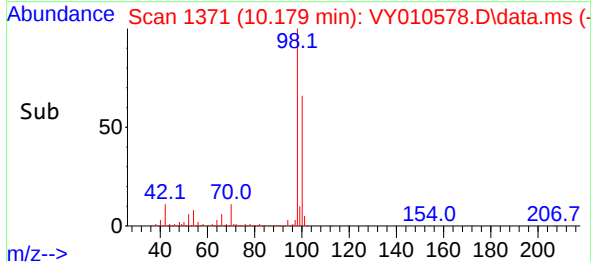
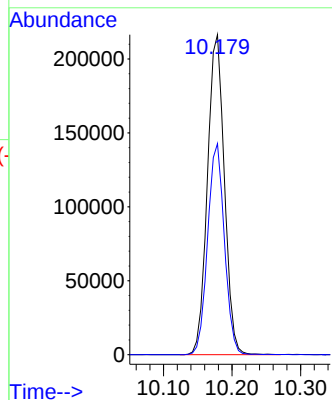
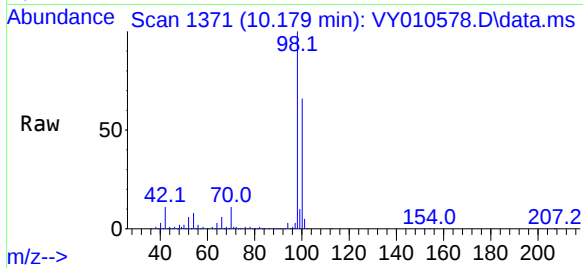




#50
Toluene-d8
Concen: 50.341 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

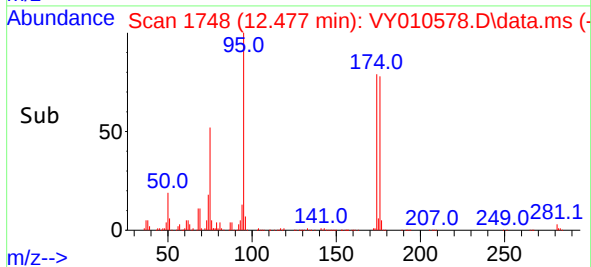
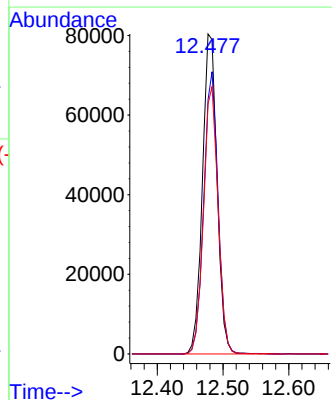
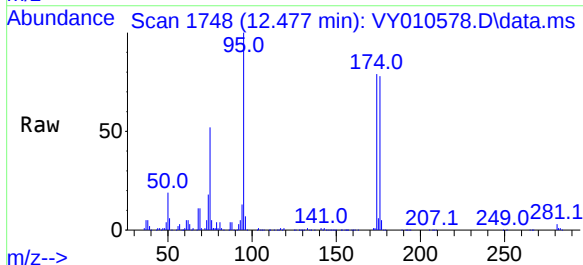
Instrument :
MSVOA_Y
ClientSampleId :

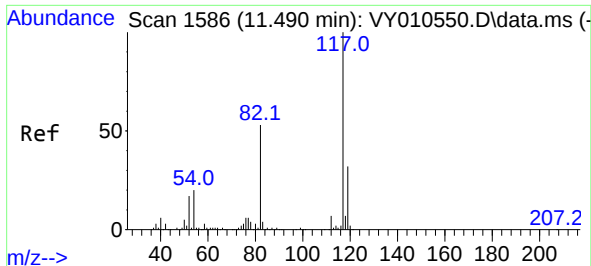
Tgt Ion: 98 Resp: 371914
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 44.992 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

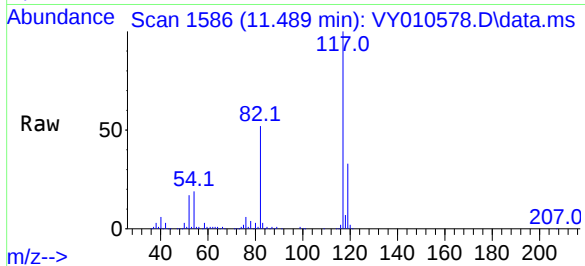
Tgt Ion: 95 Resp: 124048
Ion Ratio Lower Upper
95 100
174 86.5 0.0 177.0
176 82.9 0.0 175.8



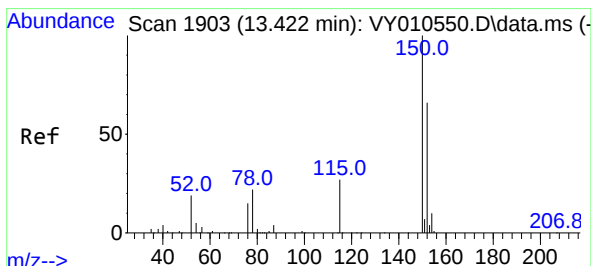
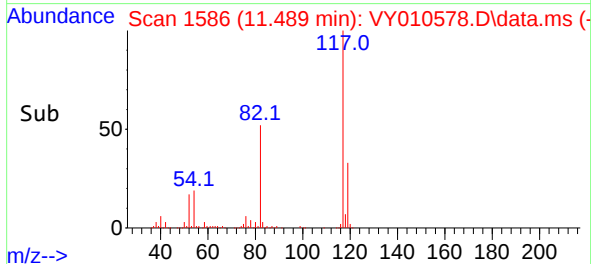
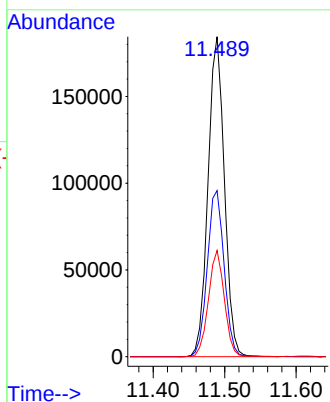


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

Instrument :
MSVOA_Y
ClientSampleId :

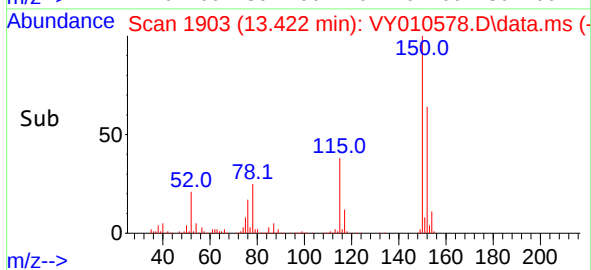
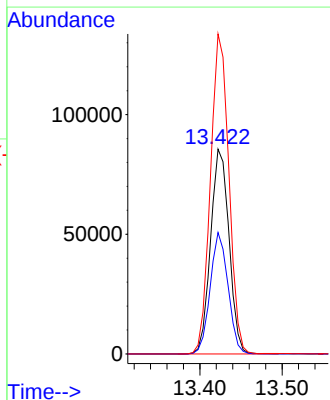
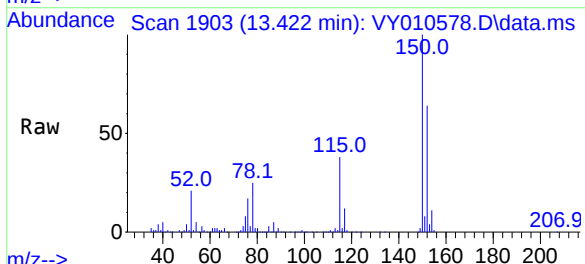


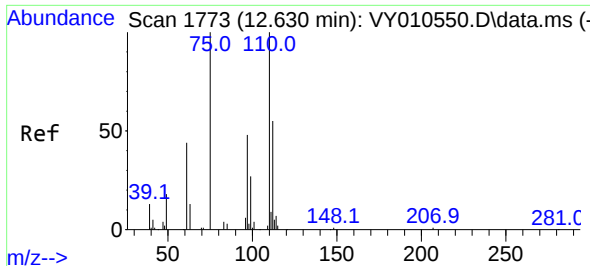
Tgt Ion:117 Resp: 293285
Ion Ratio Lower Upper
117 100
82 51.9 43.0 64.4
119 33.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

Tgt Ion:152 Resp: 133610
Ion Ratio Lower Upper
152 100
115 57.3 28.2 84.7
150 155.5 0.0 347.6

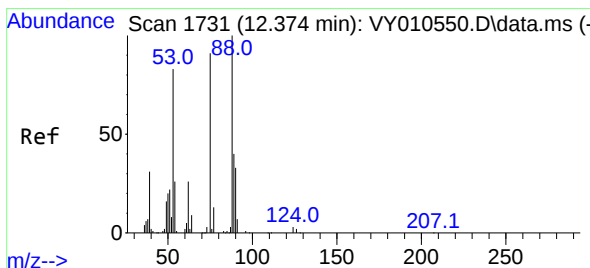
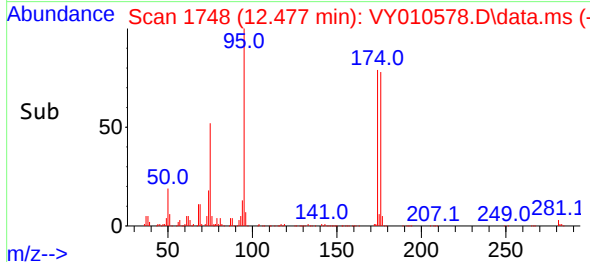
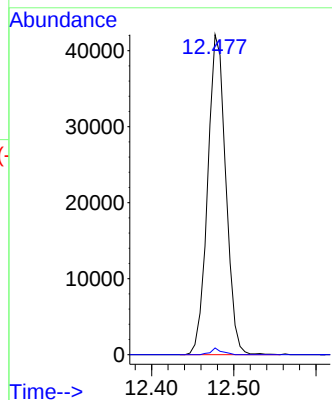
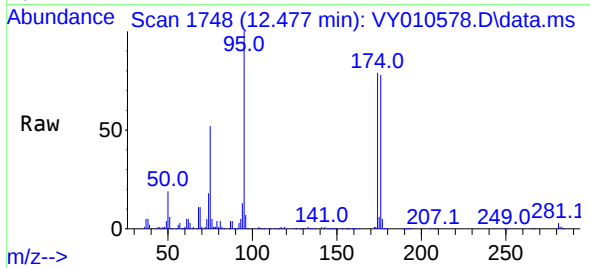




#76
1,2,3-Trichloropropane
Concen: 50.556 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

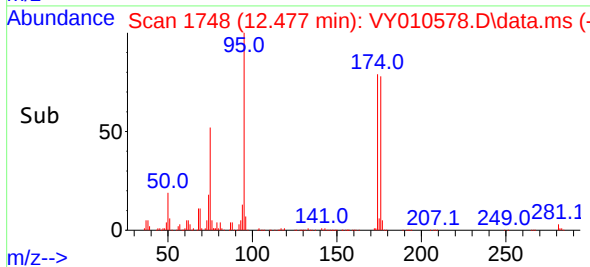
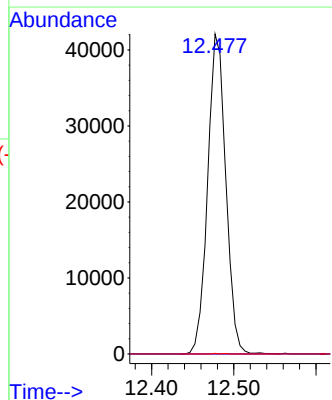
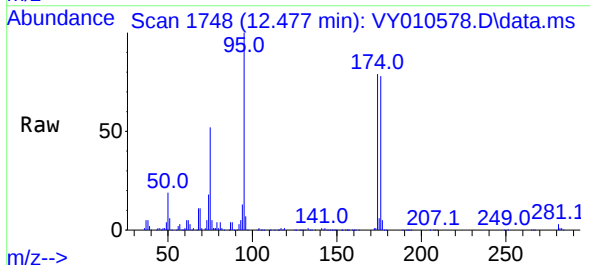
Instrument :
MSVOA_Y
ClientSampleId :

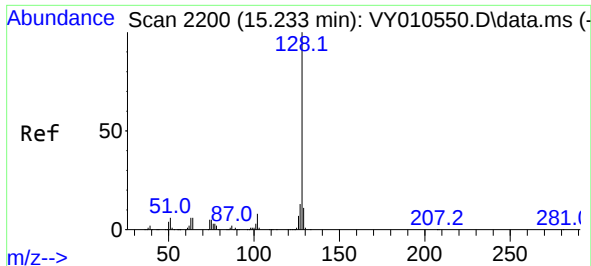
Tgt Ion: 75 Resp: 64470
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.408 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010578.D
Acq: 20 Sep 2022 16:23

Tgt Ion: 75 Resp: 64470
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 6.274 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

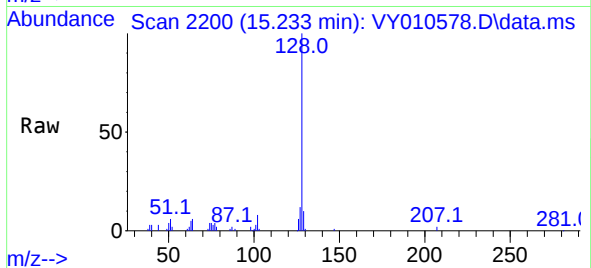
Lab File: VY010578.D

Acq: 20 Sep 2022 16:23

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 27396

Ion Ratio Lower Upper

128 100

127 12.3 11.0 16.4

129 10.9 8.4 12.6

