

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092122\
 Data File : VY010596.D
 Acq On : 21 Sep 2022 13:38
 Operator : KP/MD
 Sample : N4664-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 15:36:02 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)

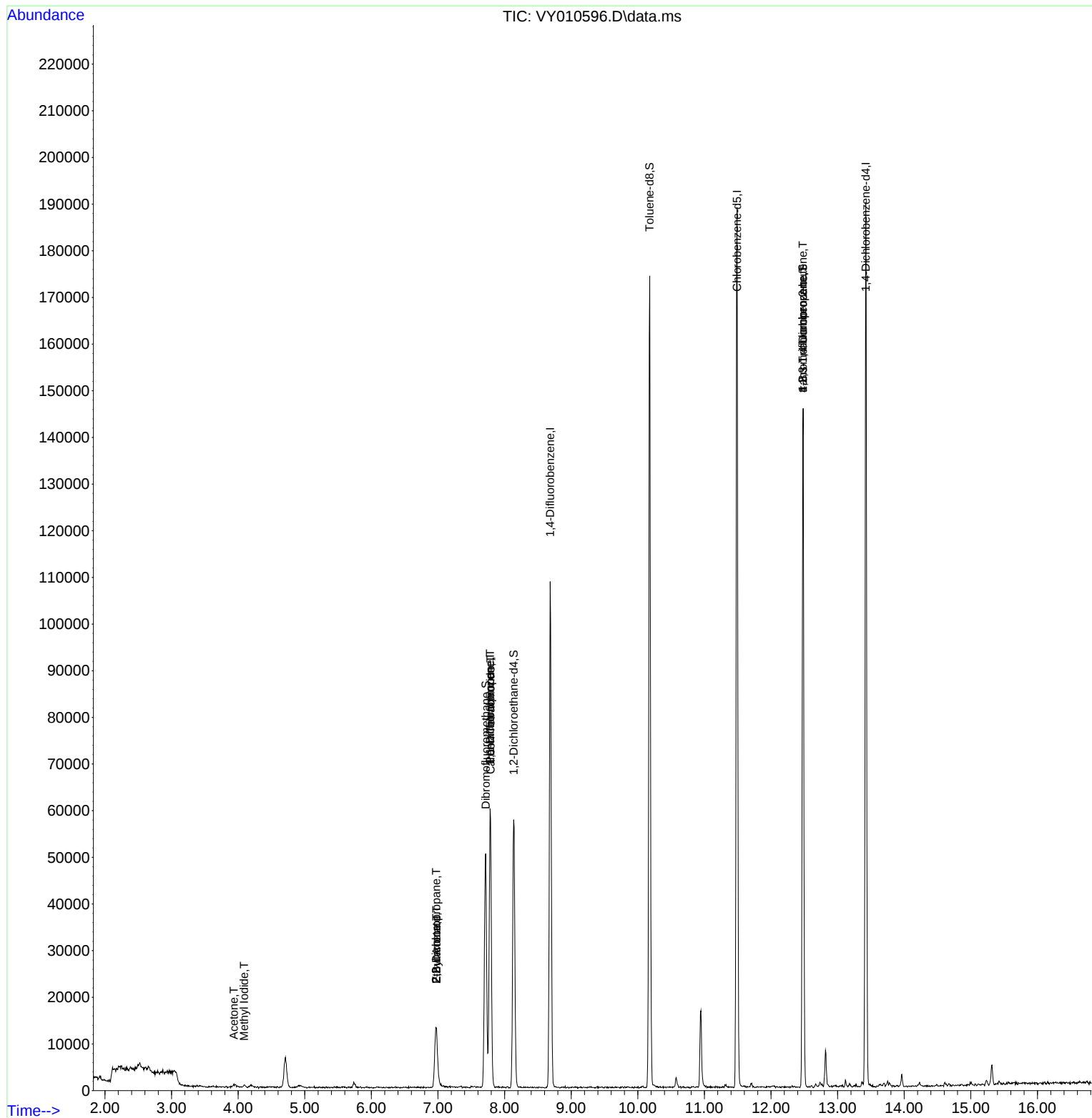
Internal Standards						
1) Pentafluorobenzene	7.783	168	47634	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	91880	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	105190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	48477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	45101	98.991	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 197.980%#	
35) Dibromofluoromethane	7.716	113	34654	59.098	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.200%	
50) Toluene-d8	10.179	98	114266	52.557	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.120%	
62) 4-Bromofluorobenzene	12.477	95	44307	55.380	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	501	Below Cal	#	83
4) Vinyl Chloride	2.369	62	19	Below Cal	#	43
5) Bromomethane	2.656	94	540	Below Cal		90
10) Methyl Iodide	4.088	142	720	1.655	ug/l #	67
11) Tert butyl alcohol	4.936	59	449	Below Cal	#	77
16) Acetone	3.936	43	1176	12.657	ug/l	95
17) Carbon Disulfide	4.192	76	24	Below Cal	#	75
18) Methyl Acetate	4.485	43	151	Below Cal	#	56
20) Methylene Chloride	4.710	84	4926	Below Cal		85
25) 2-Butanone	6.978	43	740	5.092	ug/l #	54
26) 2,2-Dichloropropane	6.972	77	1162	1.682	ug/l #	55
31) Cyclohexane	7.795	56	1126	Below Cal	#	50
36) 1,1-Dichloropropene	7.783	75	3608	5.522	ug/l #	48
37) Ethyl Acetate	6.978	43	740	1.961	ug/l #	1
38) Carbon Tetrachloride	7.789	117	4667	6.212	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	22991	49.691	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	22991	110.484	ug/l #	7

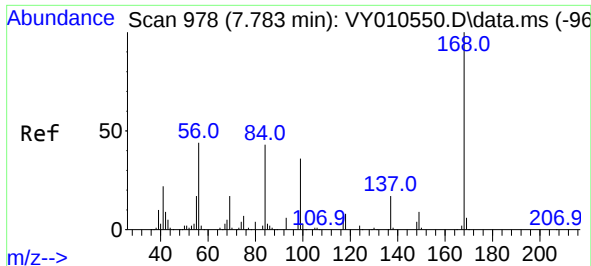
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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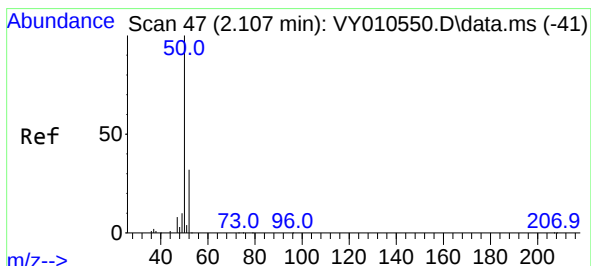
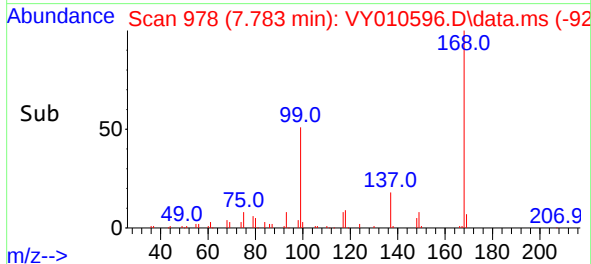
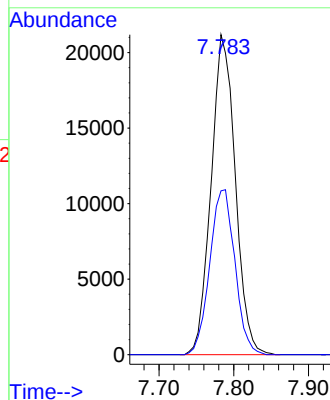
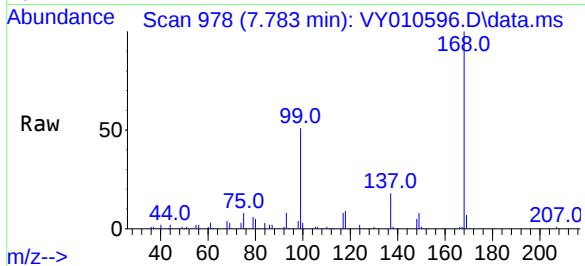




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010596.D
Acq: 21 Sep 2022 13:38

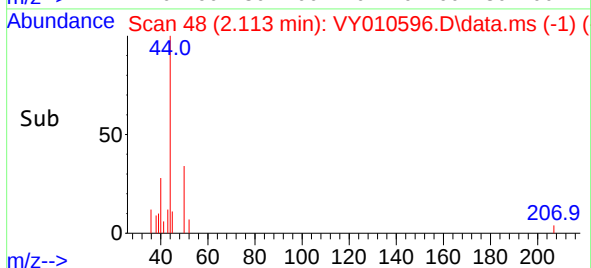
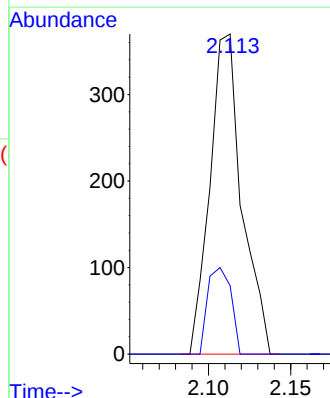
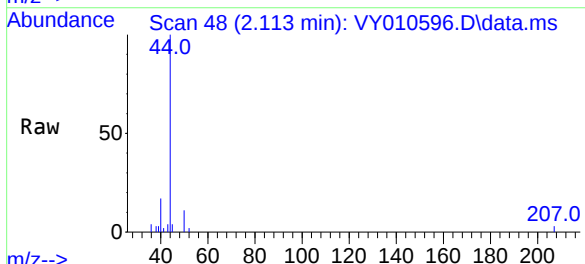
Instrument :
MSVOA_Y
ClientSampleId :

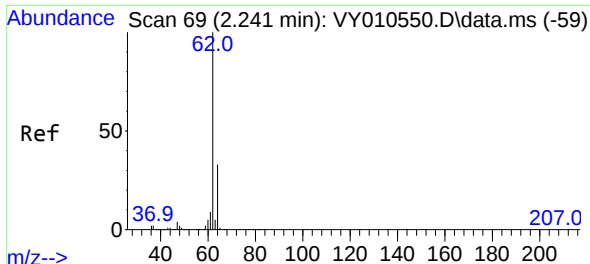
Tgt Ion:168 Resp: 47634
Ion Ratio Lower Upper
168 100
99 51.2 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY010596.D
Acq: 21 Sep 2022 13:38

Tgt Ion: 50 Resp: 501
Ion Ratio Lower Upper
50 100
52 21.4 24.6 37.0#

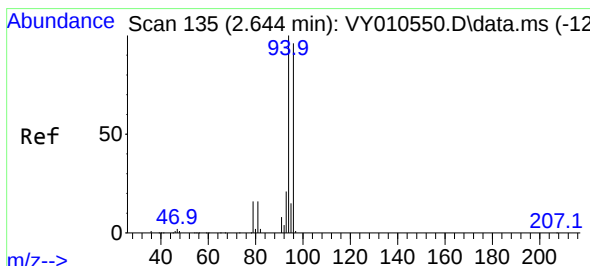
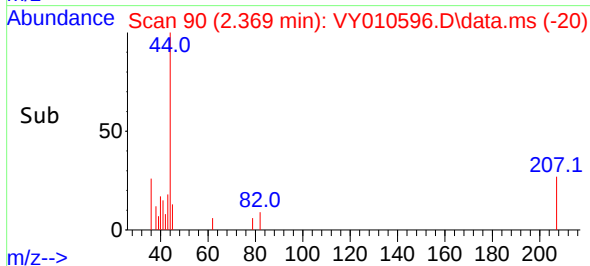
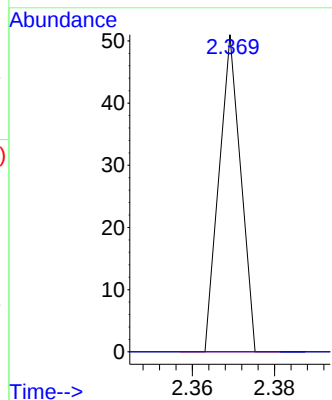
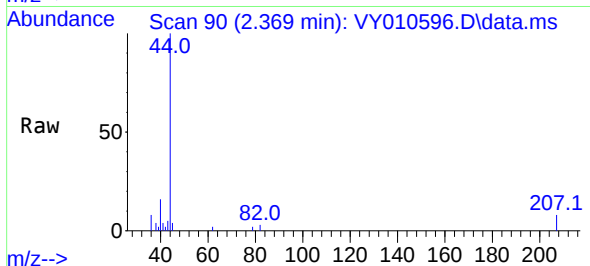




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.369 min Scan# 90
 Delta R.T. 0.128 min
 Lab File: VY010596.D
 Acq: 21 Sep 2022 13:38

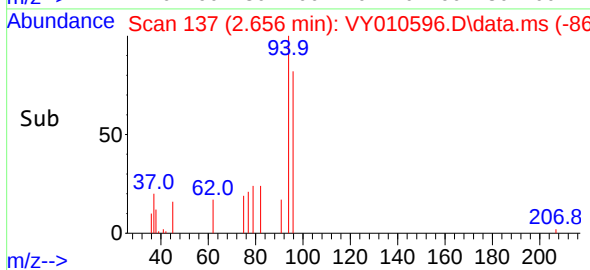
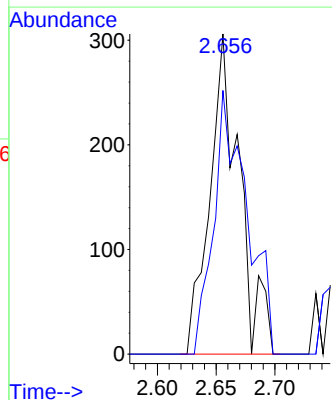
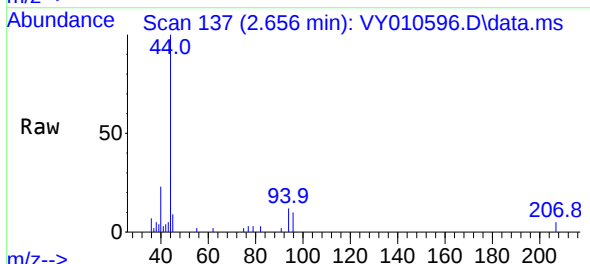
Instrument :
 MSVOA_Y
 ClientSampleId :

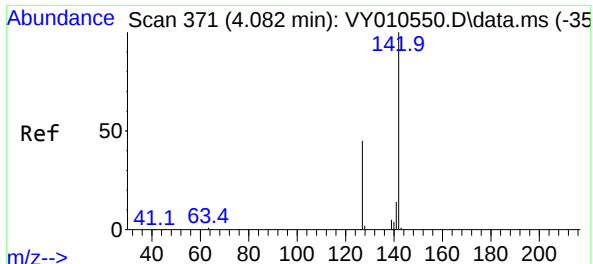
Tgt Ion: 62 Resp: 19
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.656 min Scan# 137
 Delta R.T. 0.012 min
 Lab File: VY010596.D
 Acq: 21 Sep 2022 13:38

Tgt Ion: 94 Resp: 540
 Ion Ratio Lower Upper
 94 100
 96 82.4 73.5 110.3





#10

Methyl Iodide

Concen: 1.655 ug/l

RT: 4.088 min Scan# 31

Delta R.T. 0.006 min

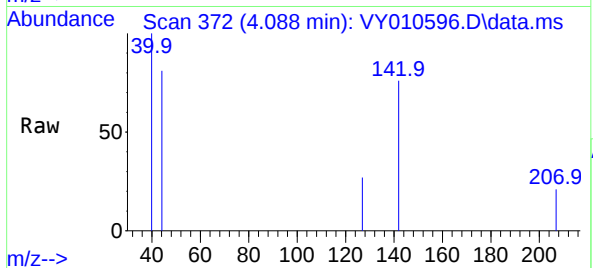
Lab File: VY010596.D

Acq: 21 Sep 2022 13:38

Instrument :

MSVOA_Y

ClientSampleId :



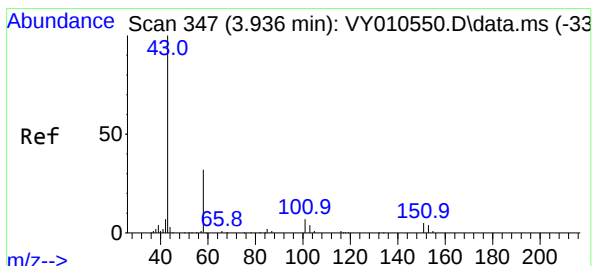
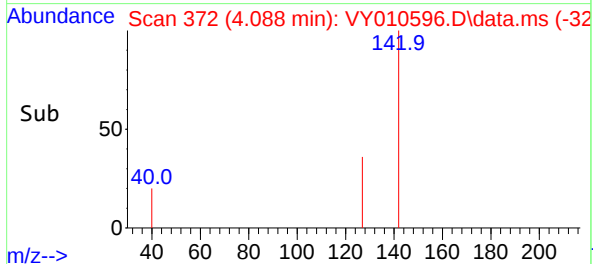
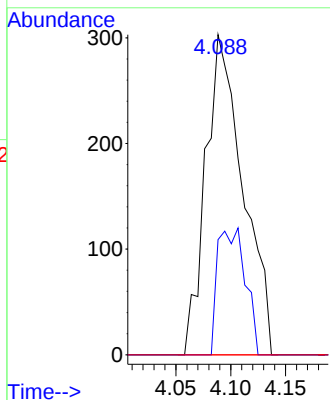
Tgt Ion:142 Resp: 720

Ion Ratio Lower Upper

142 100

127 29.3 41.5 62.3#

141 0.0 11.9 17.9#



#16

Acetone

Concen: 12.657 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY010596.D

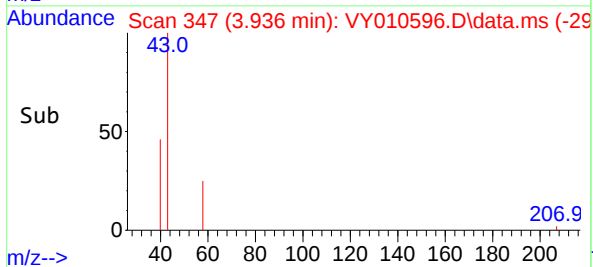
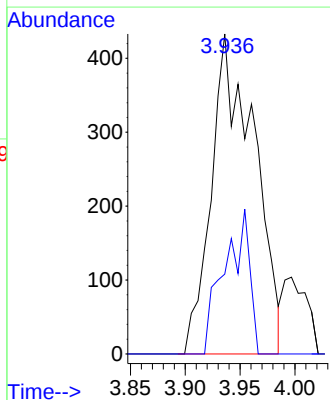
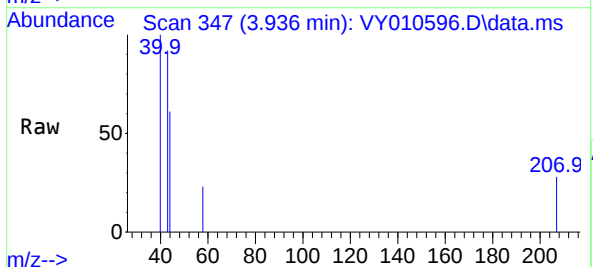
Acq: 21 Sep 2022 13:38

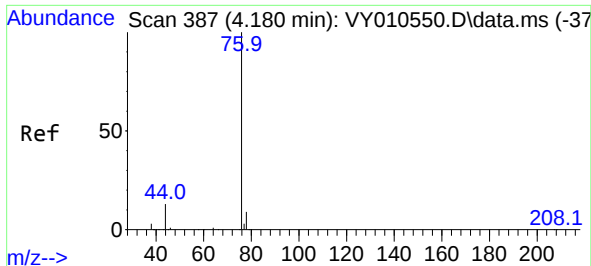
Tgt Ion: 43 Resp: 1176

Ion Ratio Lower Upper

43 100

58 24.9 22.0 33.0

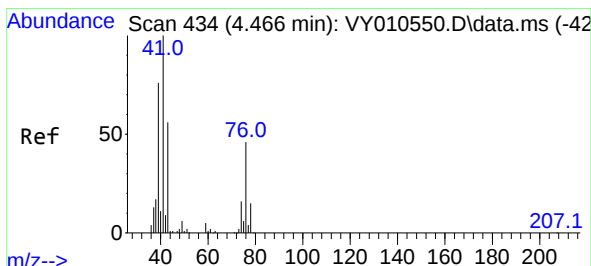
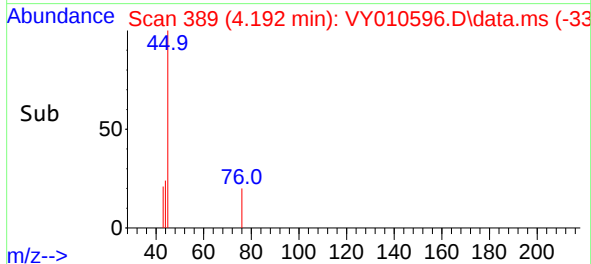
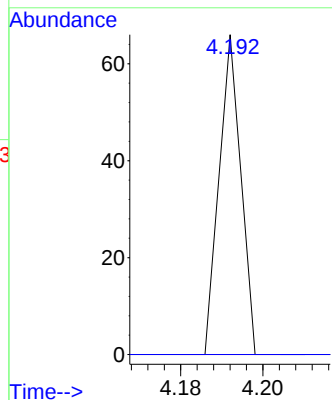
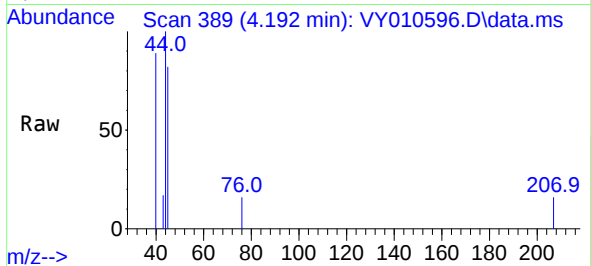




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY010596.D
Acq: 21 Sep 2022 13:38

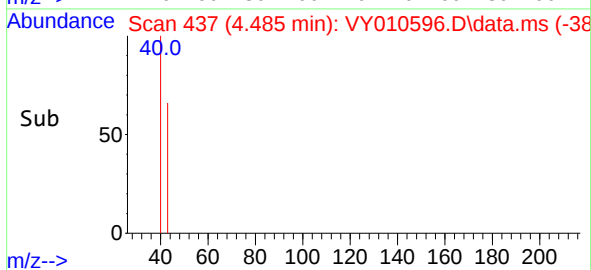
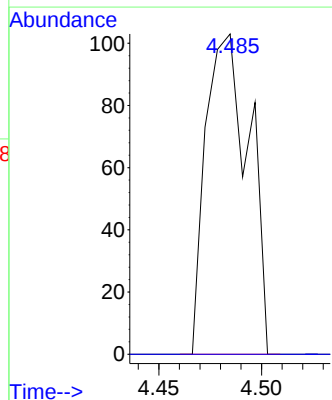
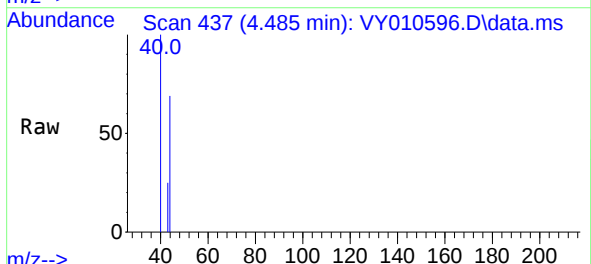
Instrument :
MSVOA_Y
ClientSampleId :

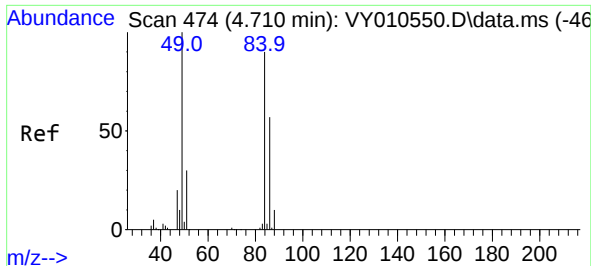
Tgt Ion: 76 Resp: 24
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.019 min
Lab File: VY010596.D
Acq: 21 Sep 2022 13:38

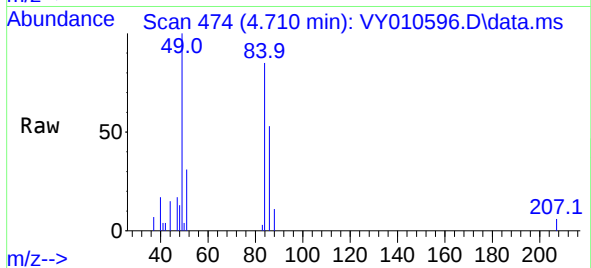
Tgt Ion: 43 Resp: 151
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





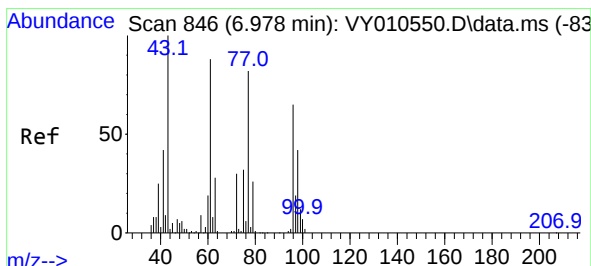
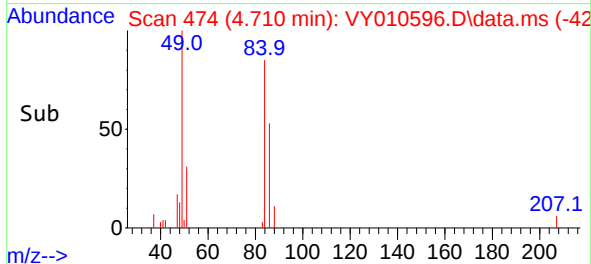
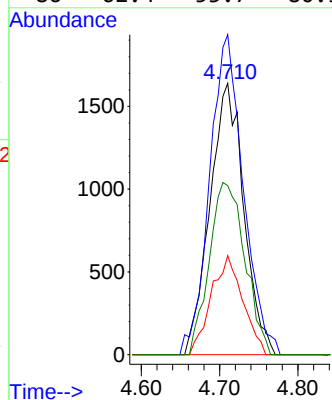
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010596.D
Acq: 21 Sep 2022 13:38

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 4926

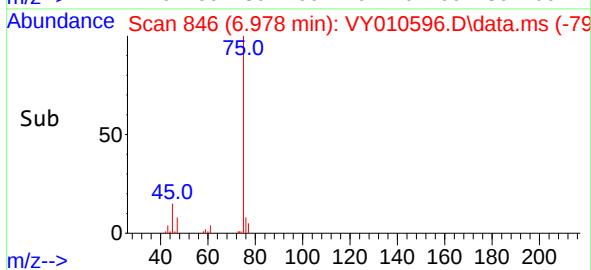
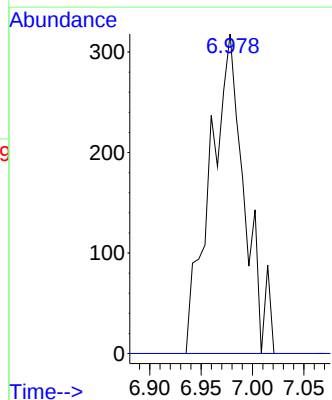
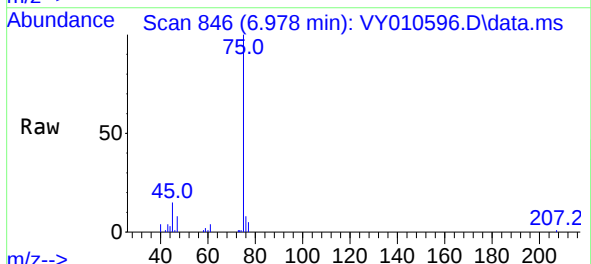
Ion	Ratio	Lower	Upper
84	100		
49	117.9	114.4	171.6
51	36.5	35.3	52.9
86	62.4	53.7	80.5

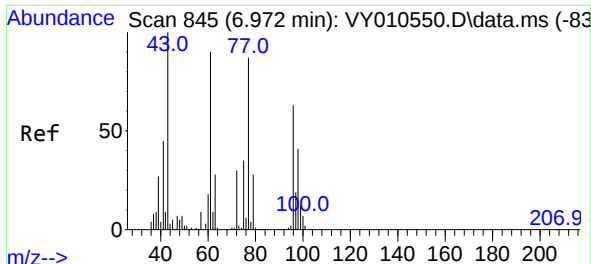


#25
2-Butanone
Concen: 5.092 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010596.D
Acq: 21 Sep 2022 13:38

Tgt Ion: 43 Resp: 740

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#26

2,2-Dichloropropane

Concen: 1.682 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.000 min

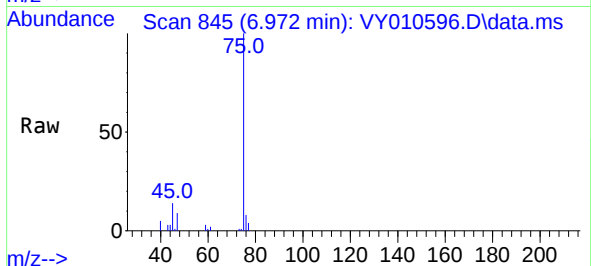
Lab File: VY010596.D

Acq: 21 Sep 2022 13:38

Instrument :

MSVOA_Y

ClientSampleId :

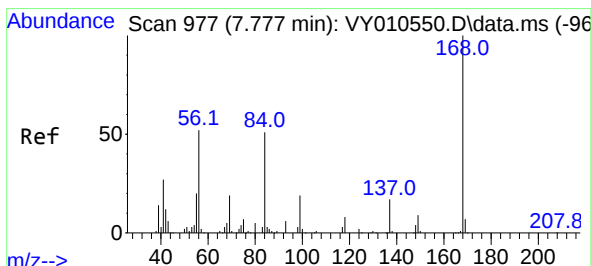
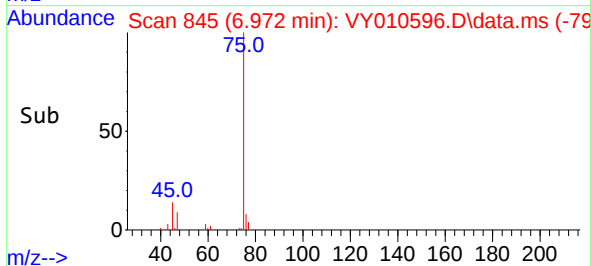
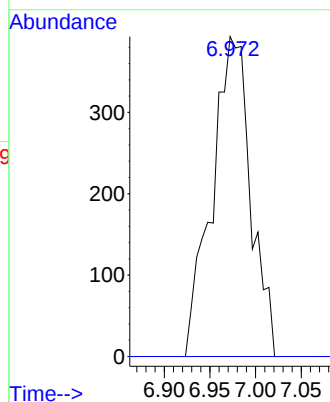


Tgt Ion: 77 Resp: 1162

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.795 min Scan# 980

Delta R.T. 0.018 min

Lab File: VY010596.D

Acq: 21 Sep 2022 13:38

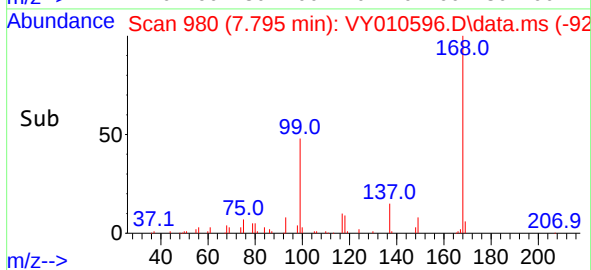
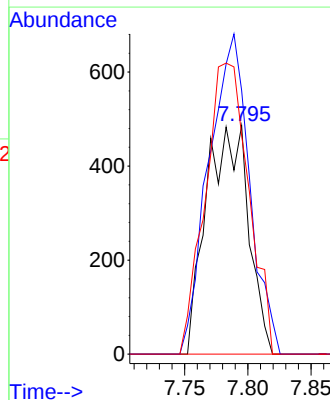
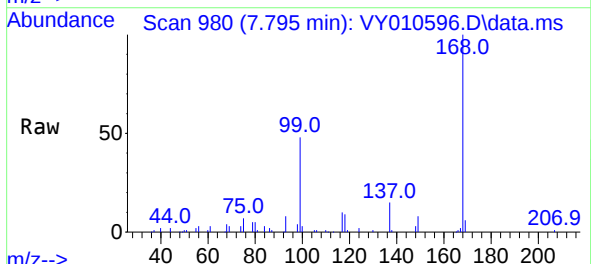
Tgt Ion: 56 Resp: 1126

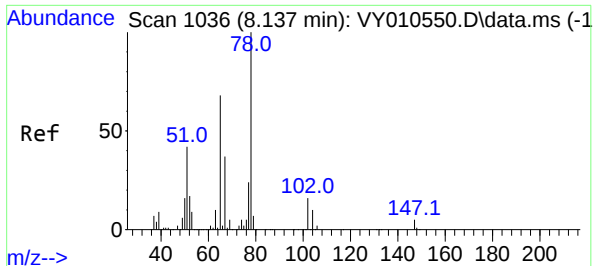
Ion Ratio Lower Upper

56 100

69 115.4 26.7 40.1#

84 95.7 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 98.991 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010596.D

Acq: 21 Sep 2022 13:38

Instrument :

MSVOA_Y

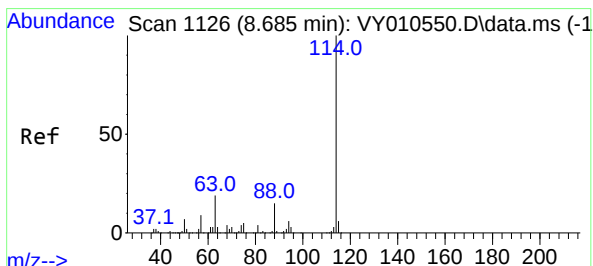
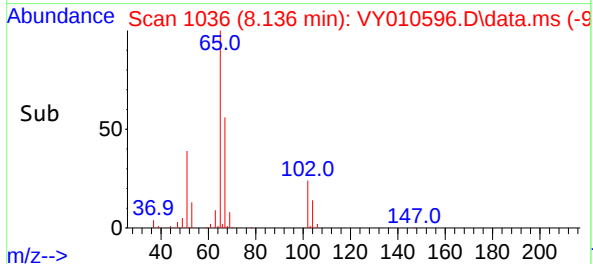
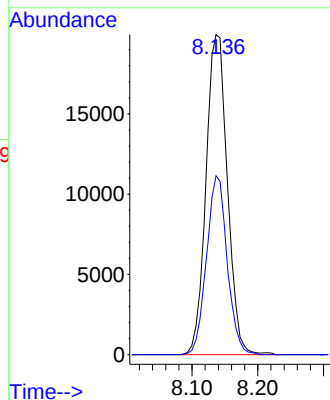
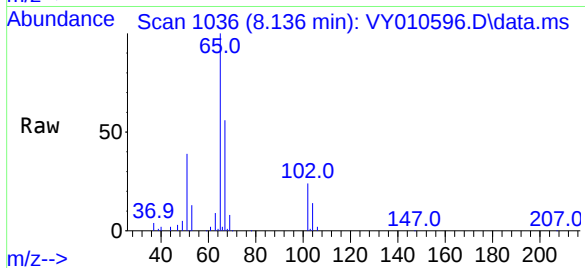
ClientSampleId :

Tgt Ion: 65 Resp: 45101

Ion Ratio Lower Upper

65 100

67 54.0 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: VY010596.D

Acq: 21 Sep 2022 13:38

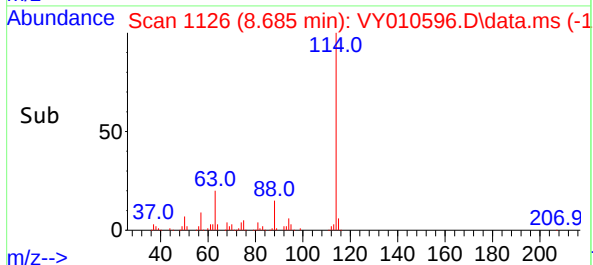
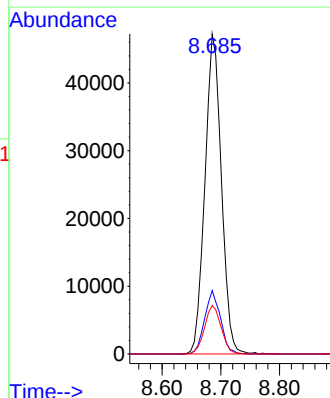
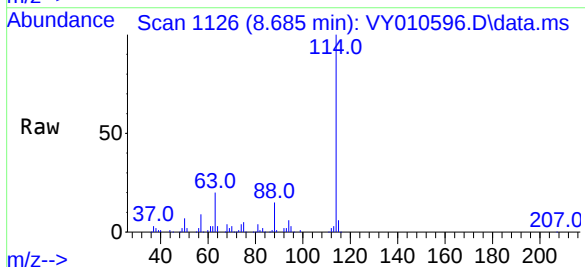
Tgt Ion: 114 Resp: 91880

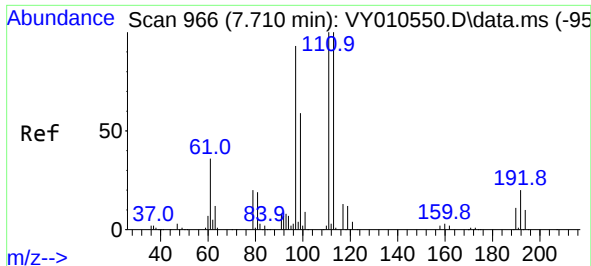
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

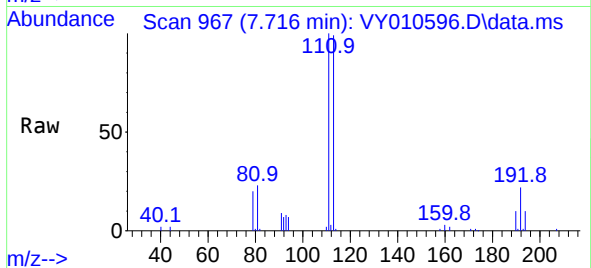
88 15.2 0.0 31.8



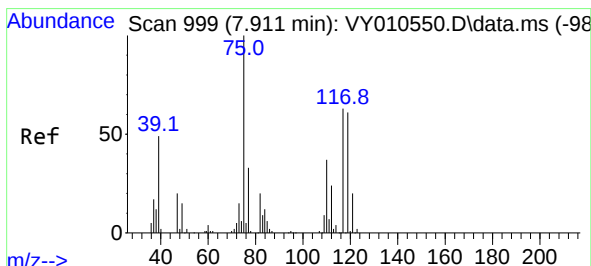
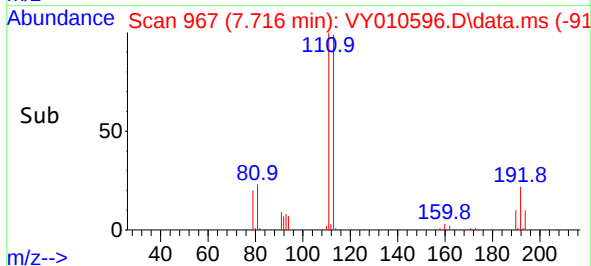
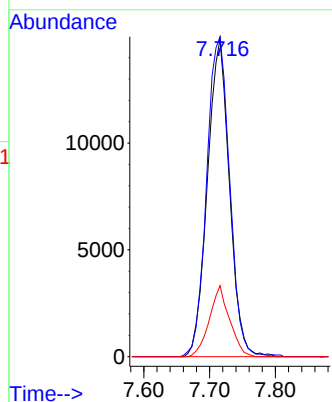


#35
Dibromofluoromethane
Concen: 59.098 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY010596.D
Acq: 21 Sep 2022 13:38

Instrument :
MSVOA_Y
ClientSampleId :

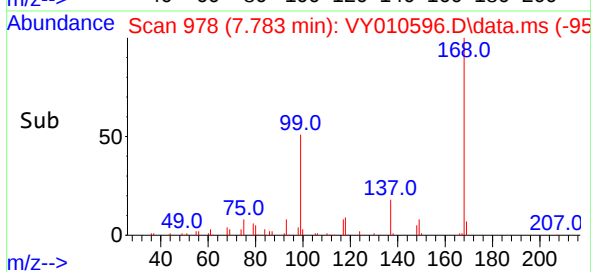
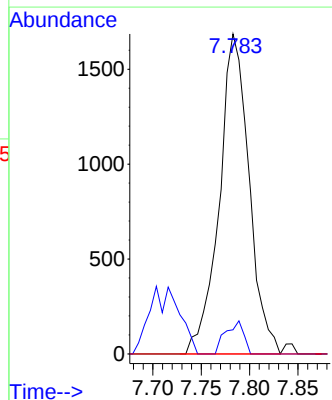
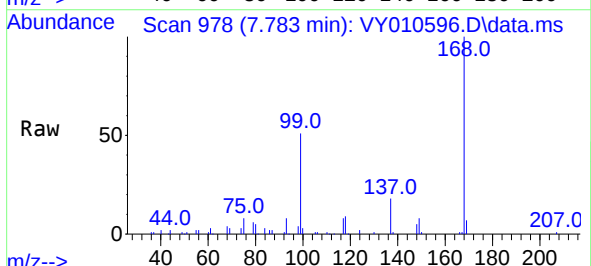


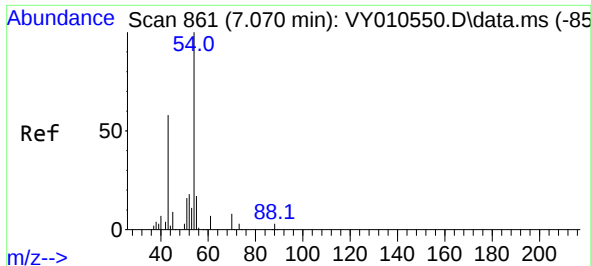
Tgt Ion:113 Resp: 34654
Ion Ratio Lower Upper
113 100
111 104.8 82.6 124.0
192 20.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.522 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010596.D
Acq: 21 Sep 2022 13:38

Tgt Ion: 75 Resp: 3608
Ion Ratio Lower Upper
75 100
110 6.2 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.961 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

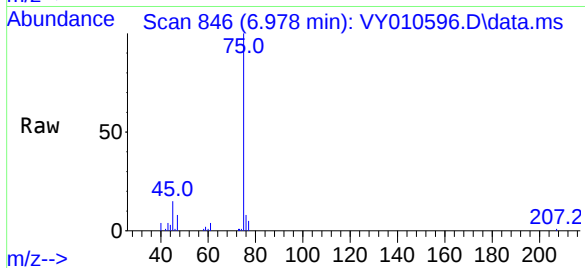
Lab File: VY010596.D

Acq: 21 Sep 2022 13:38

Instrument :

MSVOA_Y

ClientSampleId :



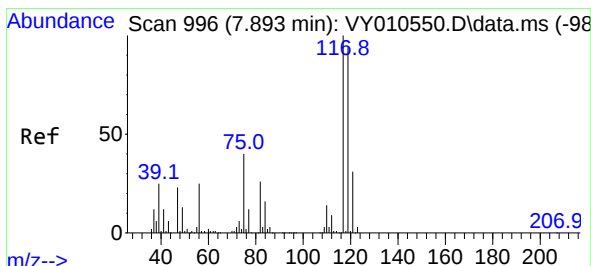
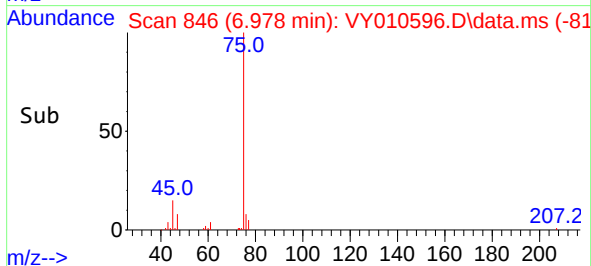
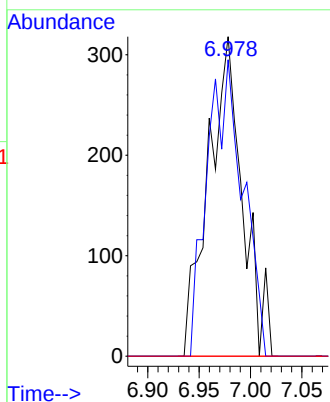
Tgt Ion: 43 Resp: 740

Ion Ratio Lower Upper

43 100

61 96.8 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.212 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.104 min

Lab File: VY010596.D

Acq: 21 Sep 2022 13:38

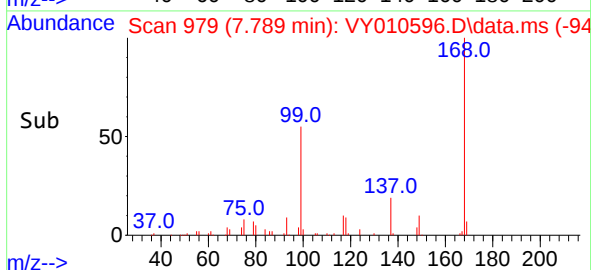
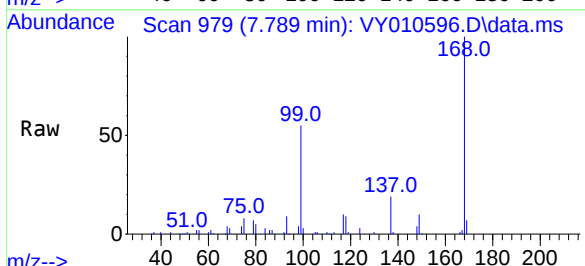
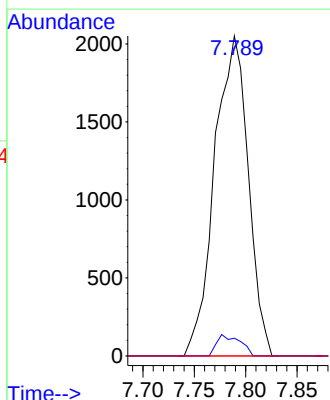
Tgt Ion: 117 Resp: 4667

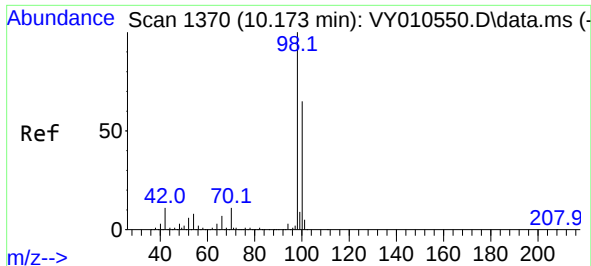
Ion Ratio Lower Upper

117 100

119 5.5 77.9 116.9#

121 0.0 24.8 37.2#

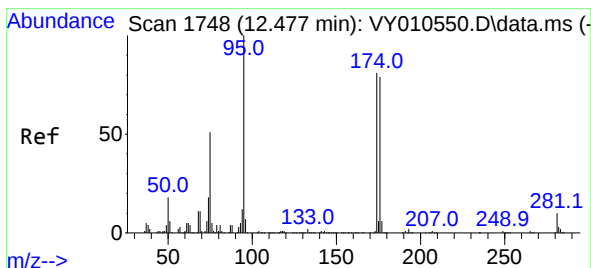
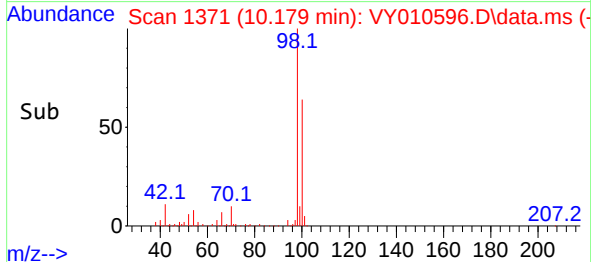
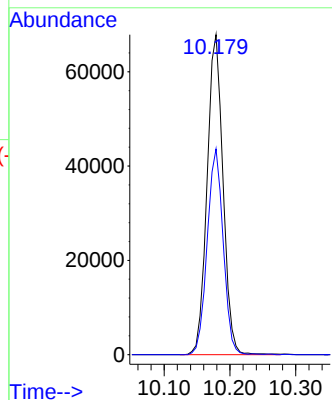
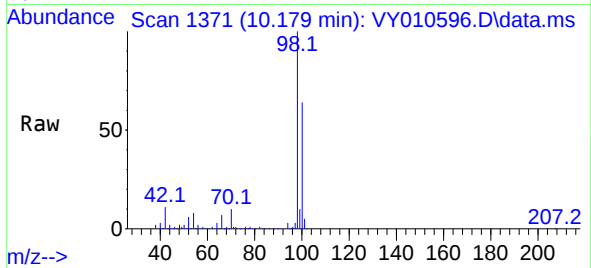




#50
Toluene-d8
Concen: 52.557 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010596.D
Acq: 21 Sep 2022 13:38

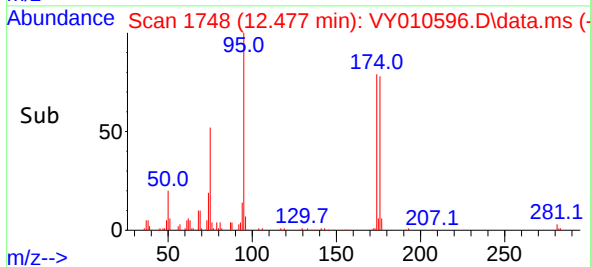
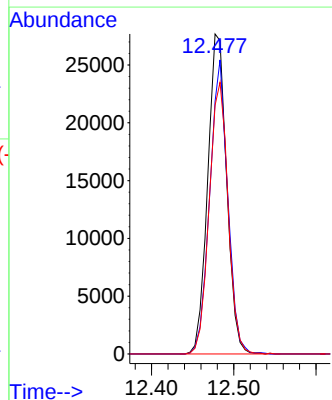
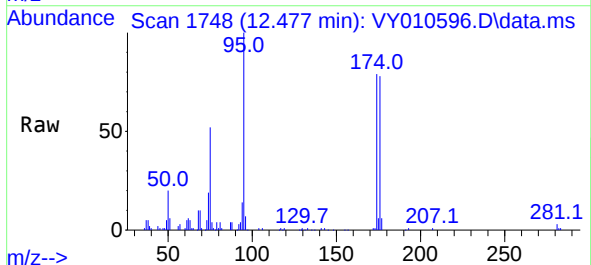
Instrument :
MSVOA_Y
ClientSampleId :

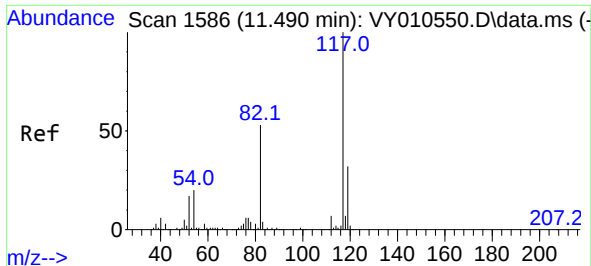
Tgt Ion: 98 Resp: 114266
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 55.380 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010596.D
Acq: 21 Sep 2022 13:38

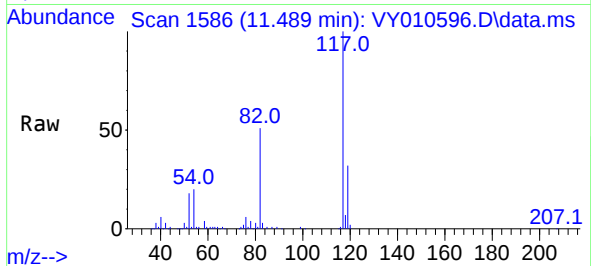
Tgt Ion: 95 Resp: 44307
Ion Ratio Lower Upper
95 100
174 87.3 0.0 177.0
176 84.6 0.0 175.8



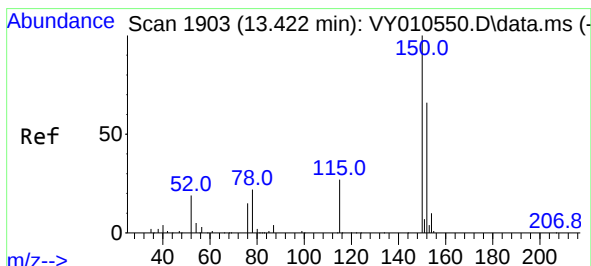
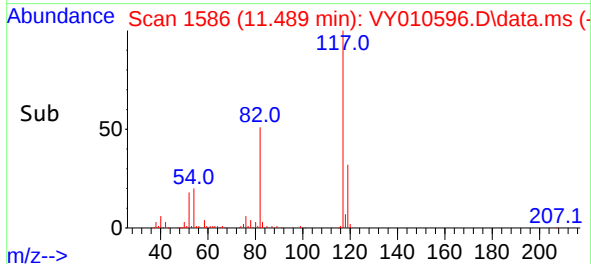
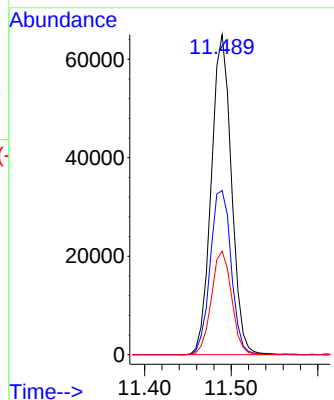


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010596.D
Acq: 21 Sep 2022 13:38

Instrument :
MSVOA_Y
ClientSampleId :

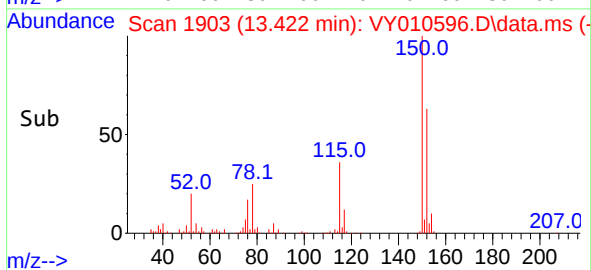
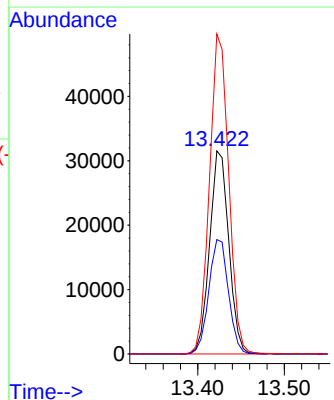
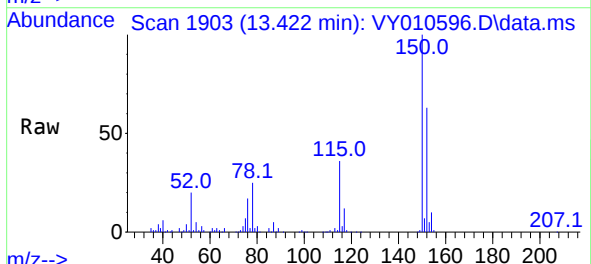


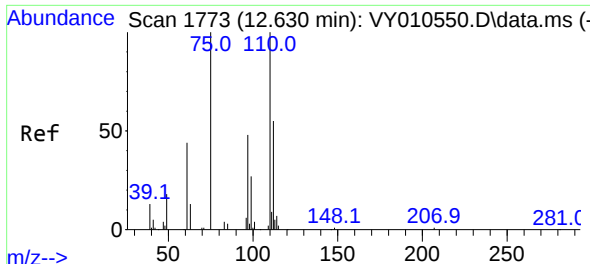
Tgt Ion:117 Resp: 105190
Ion Ratio Lower Upper
117 100
82 51.3 43.0 64.4
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010596.D
Acq: 21 Sep 2022 13:38

Tgt Ion:152 Resp: 48477
Ion Ratio Lower Upper
152 100
115 57.7 28.2 84.7
150 158.1 0.0 347.6

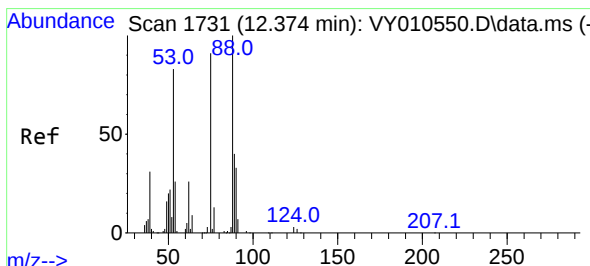
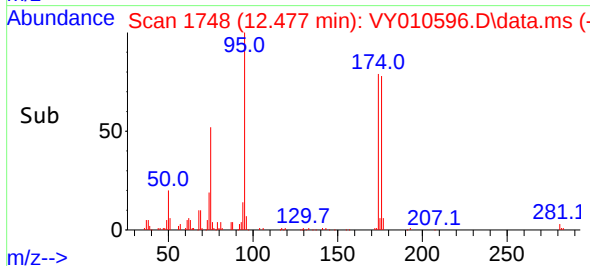
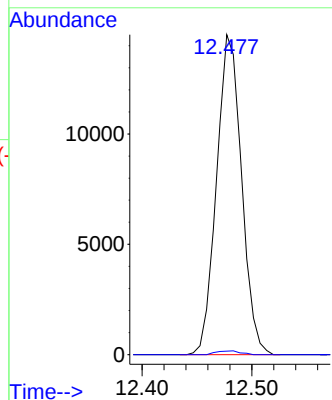
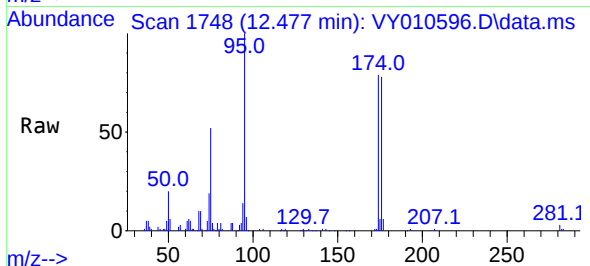




#76
1,2,3-Trichloropropane
Concen: 49.691 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010596.D
Acq: 21 Sep 2022 13:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 22991
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.484 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010596.D
Acq: 21 Sep 2022 13:38

Tgt Ion: 75 Resp: 22991
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

