

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092122\
 Data File : VY010607.D
 Acq On : 21 Sep 2022 18:28
 Operator : KP/MD
 Sample : N4713-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 22 06:11:32 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)

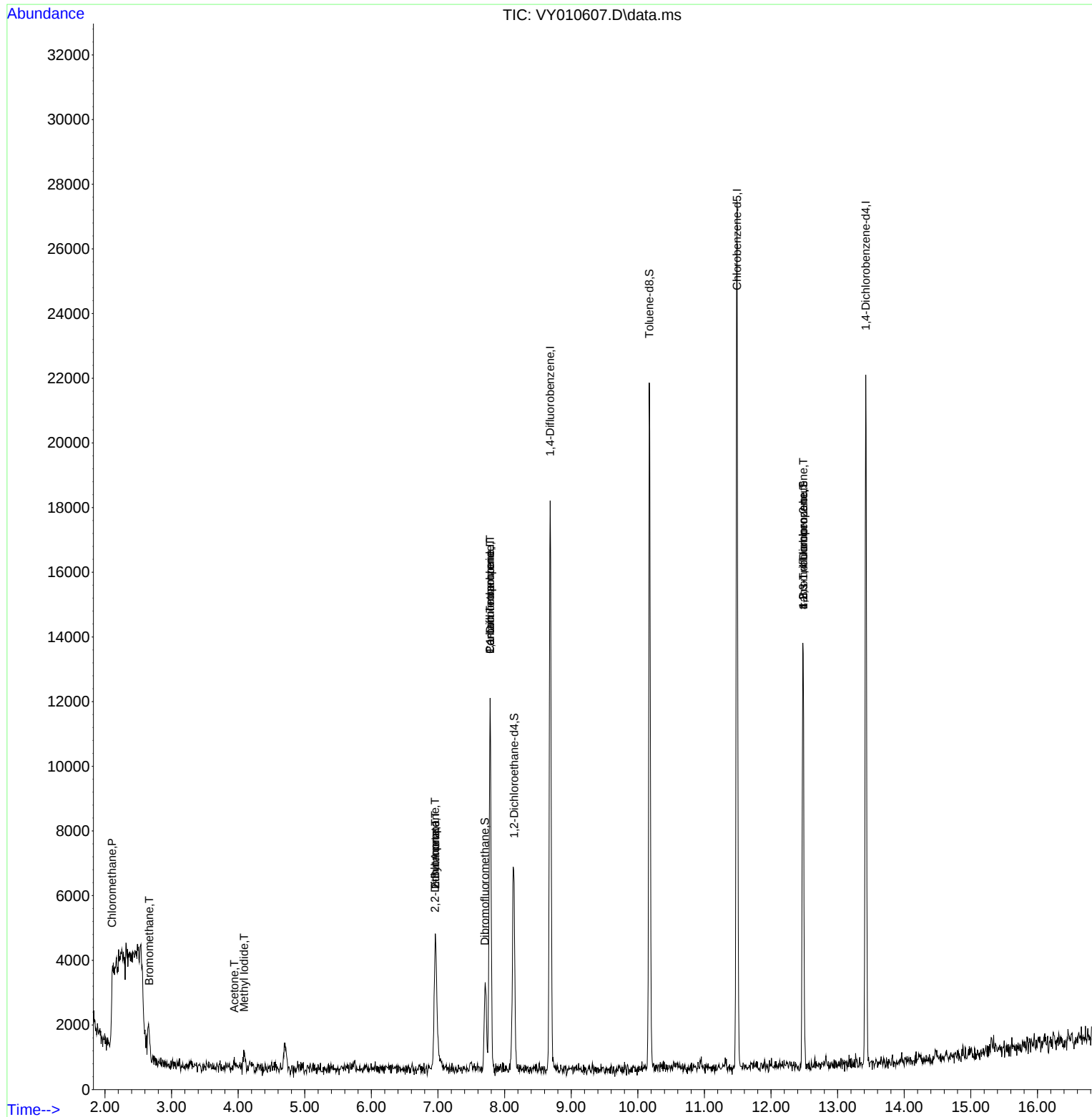
Internal Standards						
1) Pentafluorobenzene	7.783	168	8608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	14933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	14776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	5777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	5372	65.247	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	130.500%	
35) Dibromofluoromethane	7.704	113	2009	21.080	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	42.160%#	
50) Toluene-d8	10.173	98	14045	40.508	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	=	81.020%	
62) 4-Bromofluorobenzene	12.483	95	4234	31.385	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	=	62.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	424	3.005	ug/l #	87
4) Vinyl Chloride	2.296	62	22	Below Cal	#	43
5) Bromomethane	2.662	94	365	2.463	ug/l	96
10) Methyl Iodide	4.088	142	735	9.347	ug/l #	80
16) Acetone	3.942	43	344	20.488	ug/l #	47
20) Methylene Chloride	4.692	84	641	Below Cal	#	75
25) 2-Butanone	6.960	43	219	8.339	ug/l #	54
26) 2,2-Dichloropropane	6.954	77	235	1.882	ug/l #	55
31) Cyclohexane	7.789	56	93	Below Cal	#	30
36) 1,1-Dichloropropene	7.783	75	801	7.543	ug/l #	42
37) Ethyl Acetate	6.960	43	219	3.571	ug/l #	47
38) Carbon Tetrachloride	7.783	117	879	7.199	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	2283	41.406	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2283	92.062	ug/l #	7

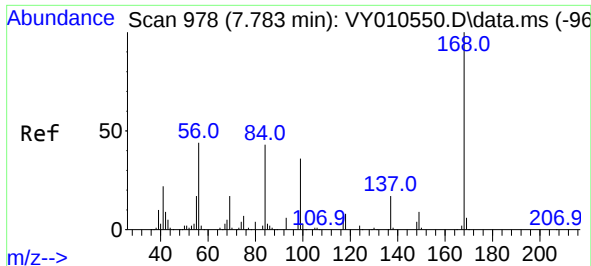
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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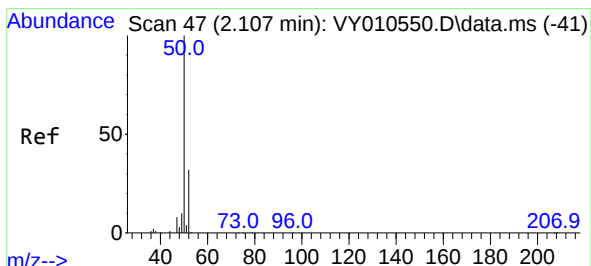
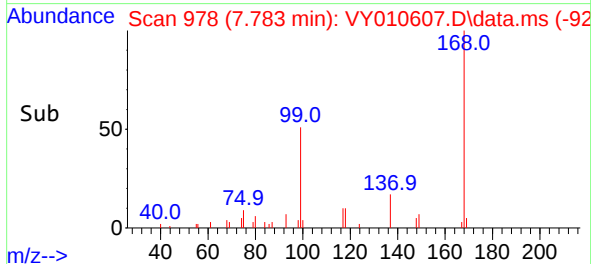
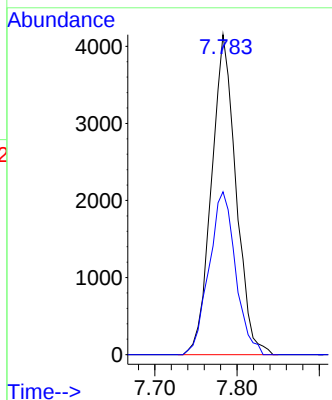
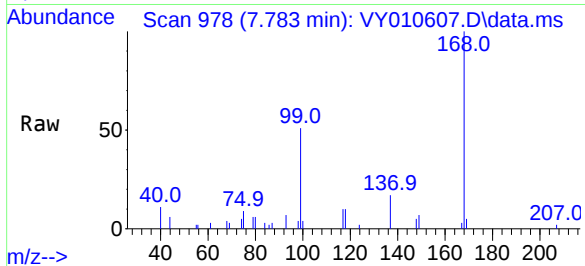




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

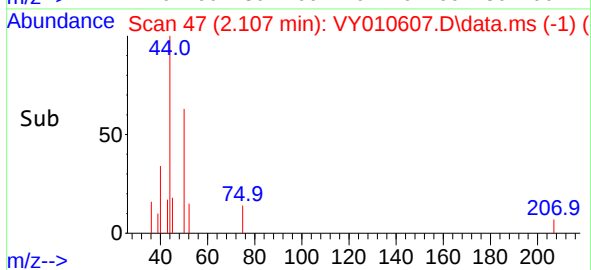
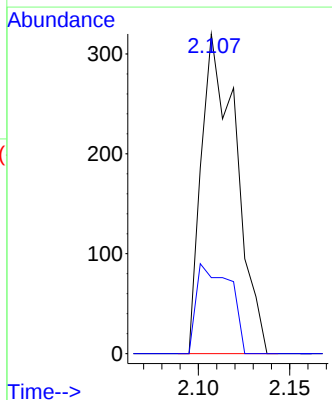
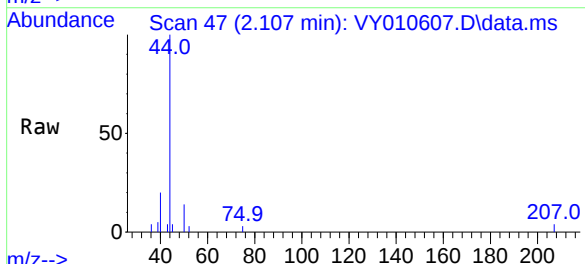
Instrument :
MSVOA_Y
ClientSampleId :

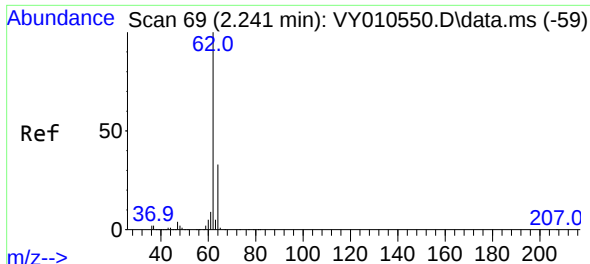
Tgt Ion:168 Resp: 8608
Ion Ratio Lower Upper
168 100
99 50.9 46.9 70.3



#3
Chloromethane
Concen: 3.005 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

Tgt Ion: 50 Resp: 424
Ion Ratio Lower Upper
50 100
52 23.8 24.6 37.0#

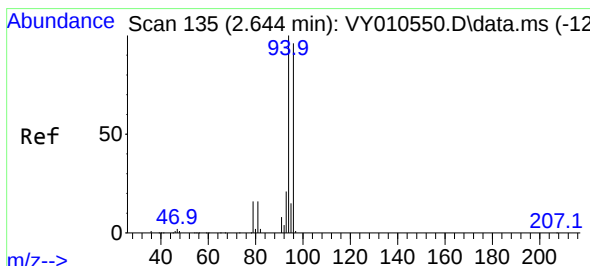
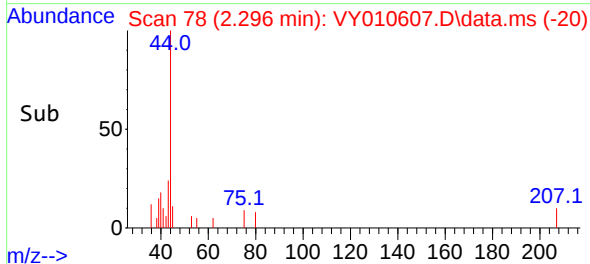
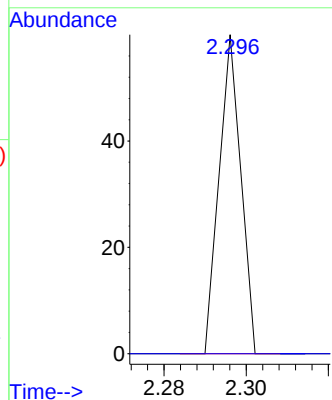
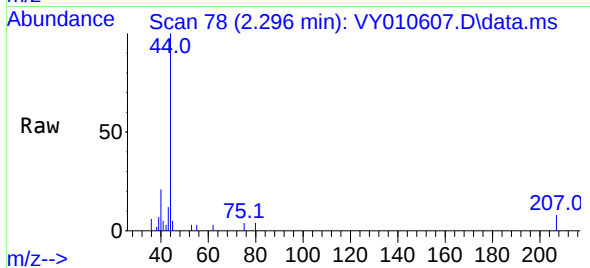




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.296 min Scan# 71
 Delta R.T. 0.055 min
 Lab File: VY010607.D
 Acq: 21 Sep 2022 18:28

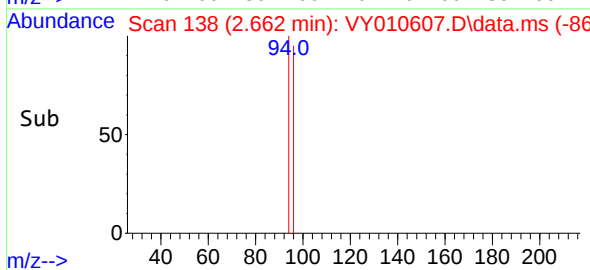
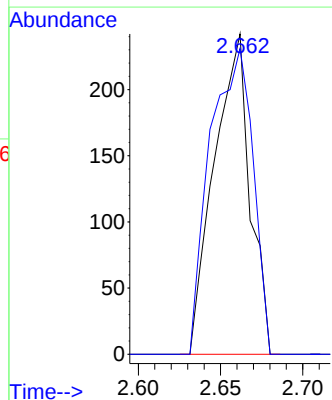
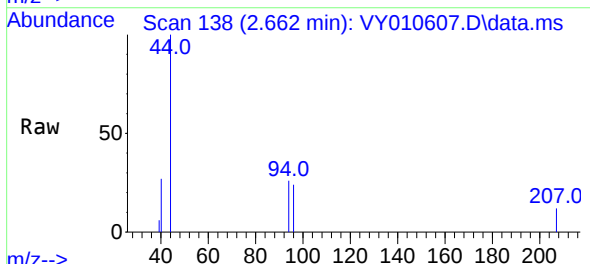
Instrument :
 MSVOA_Y
 ClientSampleId :

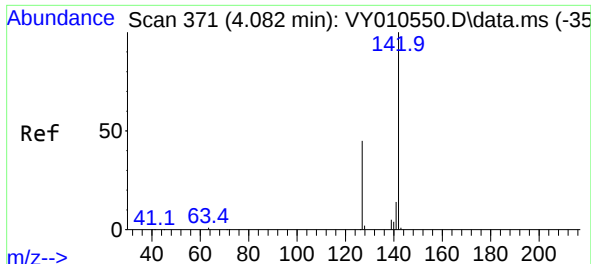
Tgt Ion: 62 Resp: 22
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: 2.463 ug/l
 RT: 2.662 min Scan# 138
 Delta R.T. 0.018 min
 Lab File: VY010607.D
 Acq: 21 Sep 2022 18:28

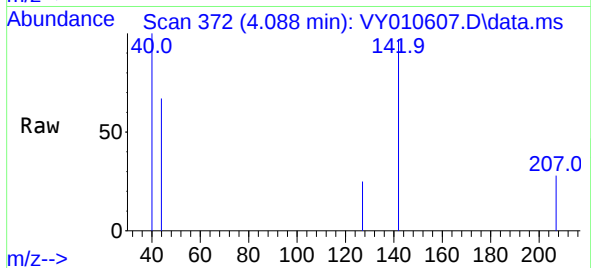
Tgt Ion: 94 Resp: 365
 Ion Ratio Lower Upper
 94 100
 96 95.5 73.5 110.3



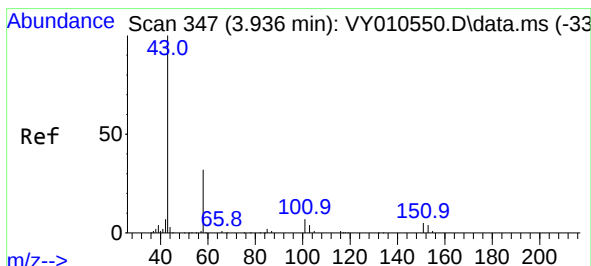
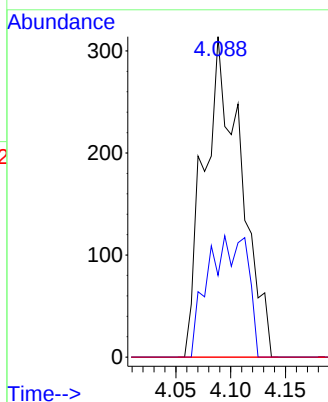
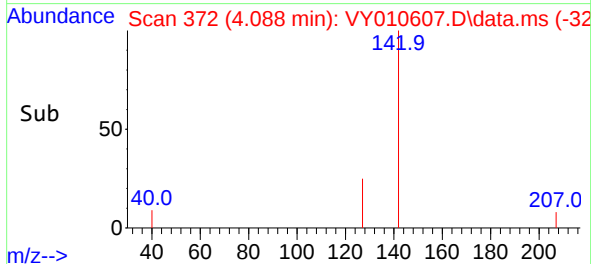


#10
Methyl Iodide
Concen: 9.347 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

Instrument :
MSVOA_Y
ClientSampleId :

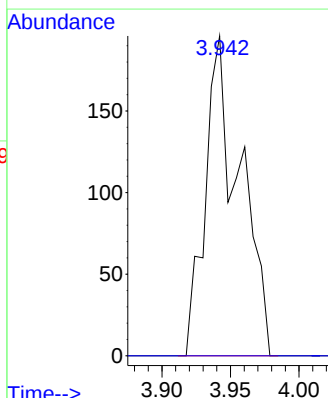
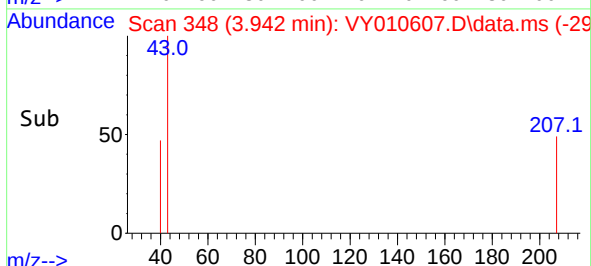
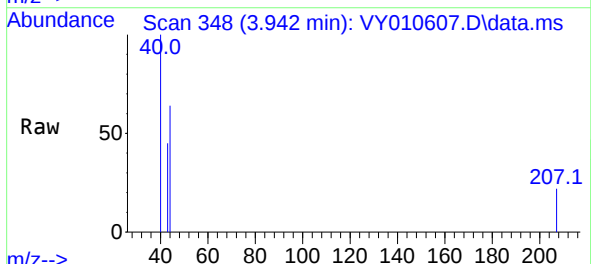


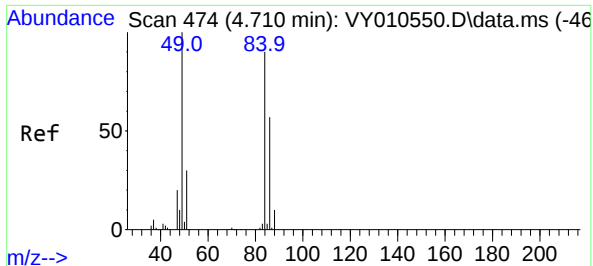
Tgt Ion:142 Resp: 735
Ion Ratio Lower Upper
142 100
127 40.8 41.5 62.3#
141 0.0 11.9 17.9#



#16
Acetone
Concen: 20.488 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

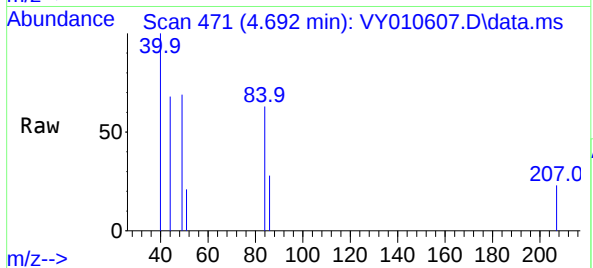
Tgt Ion: 43 Resp: 344
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#





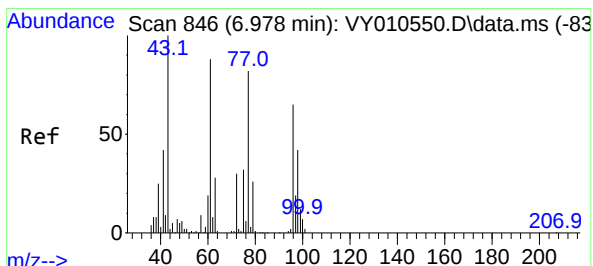
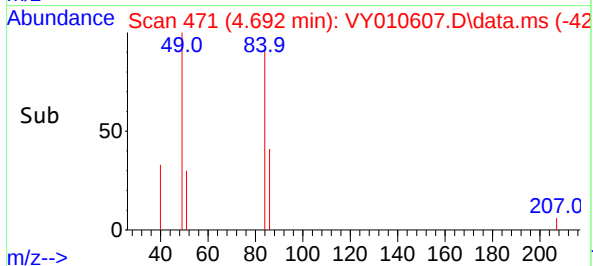
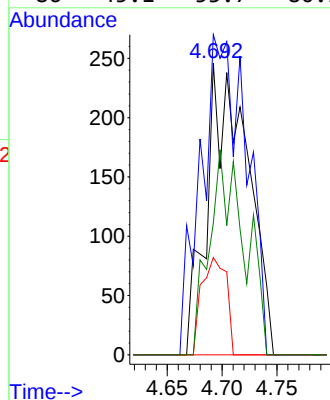
#20
Methylene Chloride
Concen: Below Cal
RT: 4.692 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 641

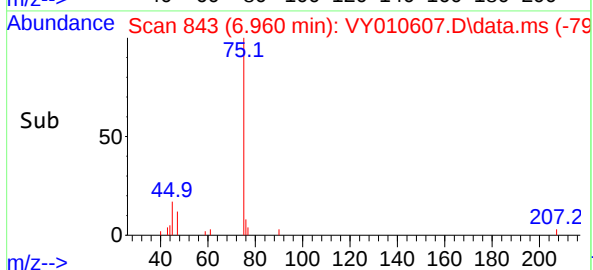
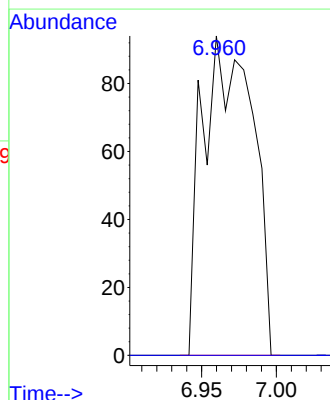
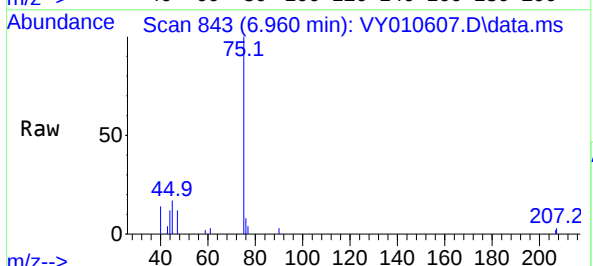
Ion	Ratio	Lower	Upper
84	100		
49	109.8	114.4	171.6#
51	33.3	35.3	52.9#
86	45.1	53.7	80.5#

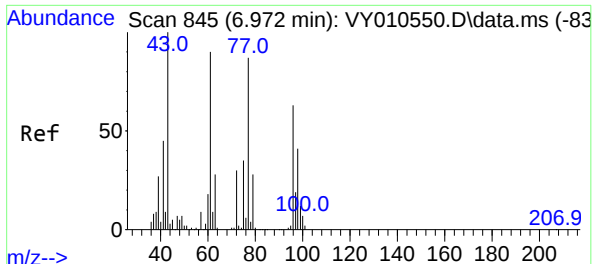


#25
2-Butanone
Concen: 8.339 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.018 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

Tgt Ion: 43 Resp: 219

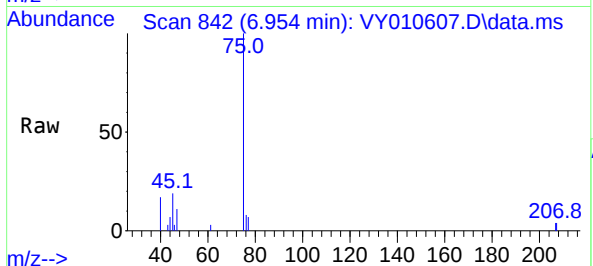
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#



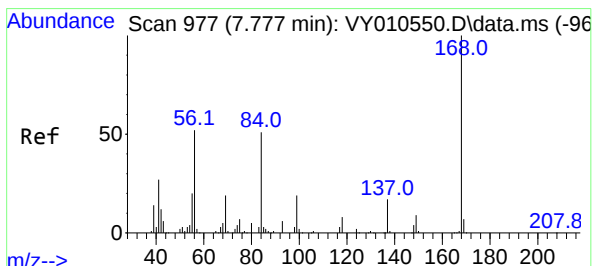
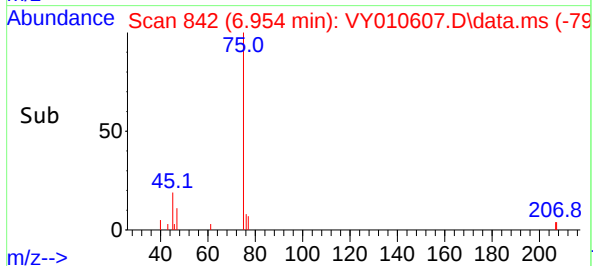
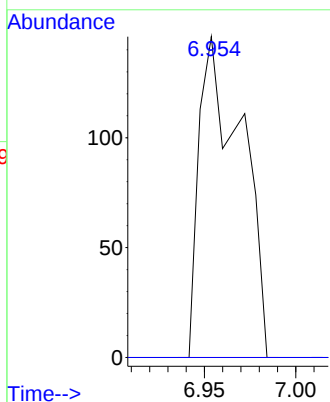


#26
2,2-Dichloropropane
Concen: 1.882 ug/l
RT: 6.954 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

Instrument :
MSVOA_Y
ClientSampleId :

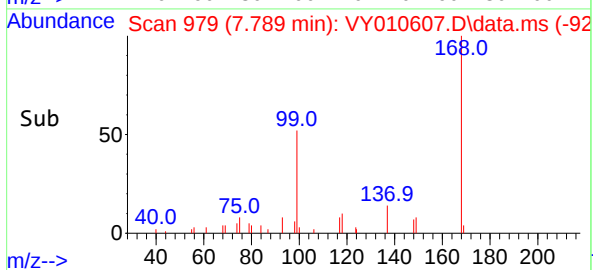
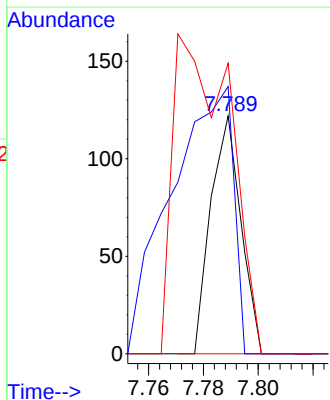
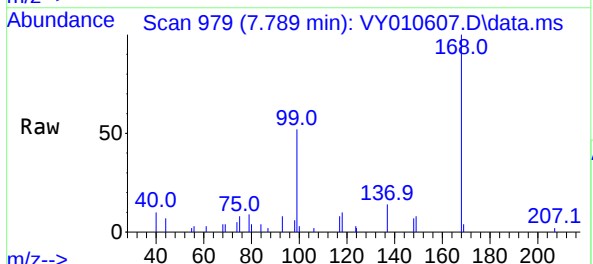


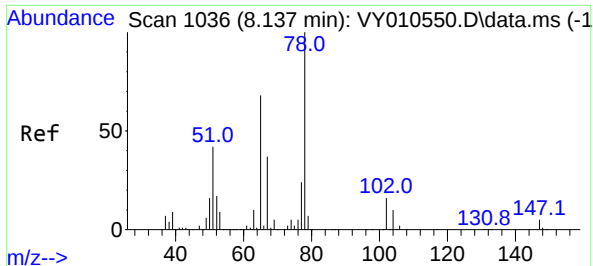
Tgt Ion: 77 Resp: 235
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
69 112.3 26.7 40.1#
84 122.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 65.247 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY010607.D

Acq: 21 Sep 2022 18:28

Instrument :

MSVOA_Y

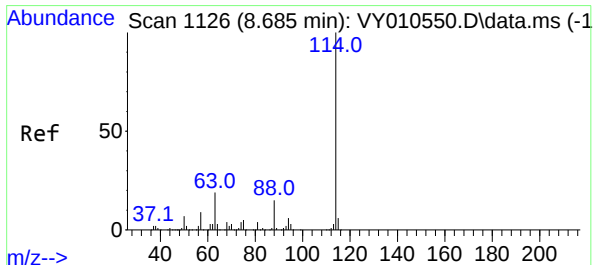
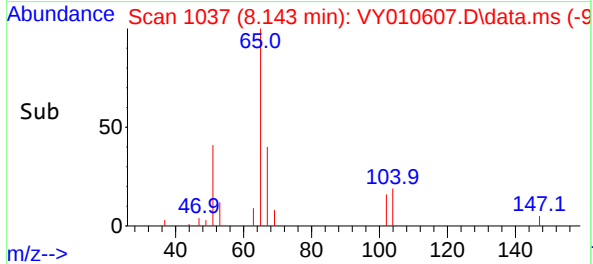
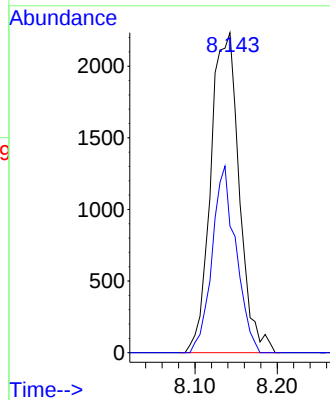
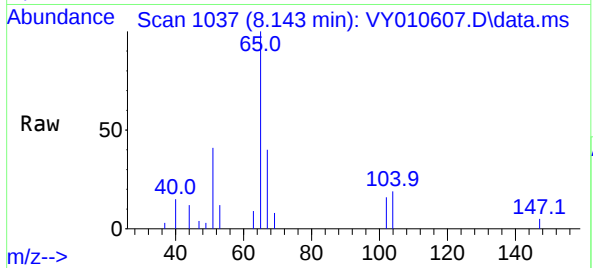
ClientSampleId :

Tgt Ion: 65 Resp: 5372

Ion Ratio Lower Upper

65 100

67 48.9 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: VY010607.D

Acq: 21 Sep 2022 18:28

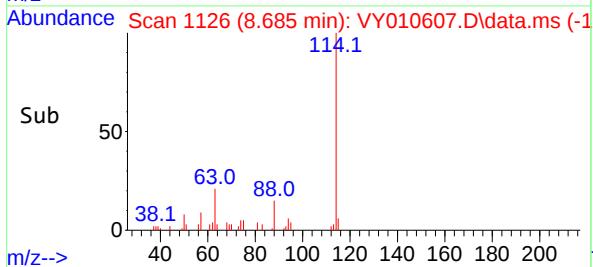
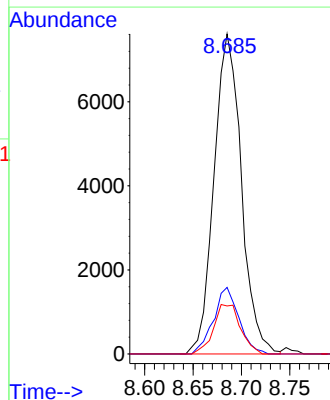
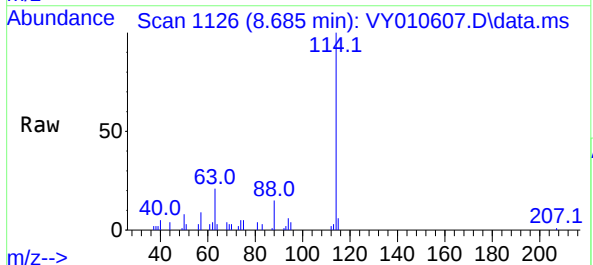
Tgt Ion: 114 Resp: 14933

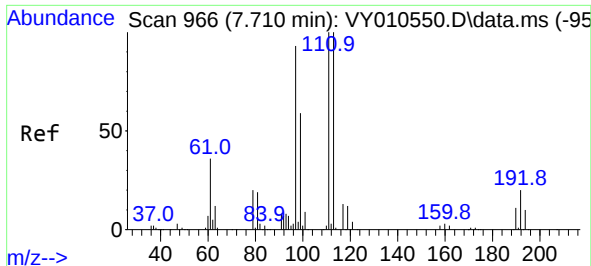
Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.2

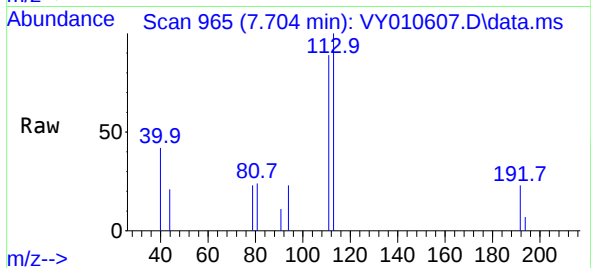
88 15.0 0.0 31.8





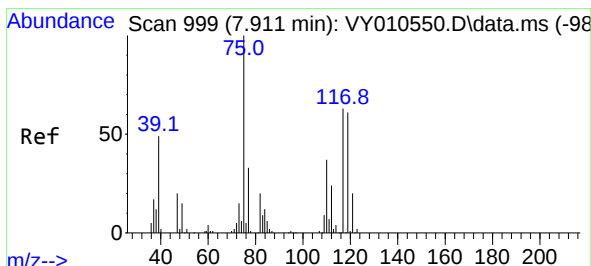
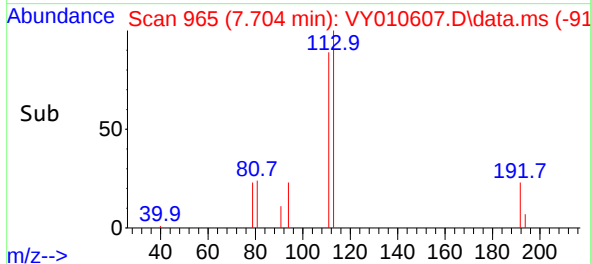
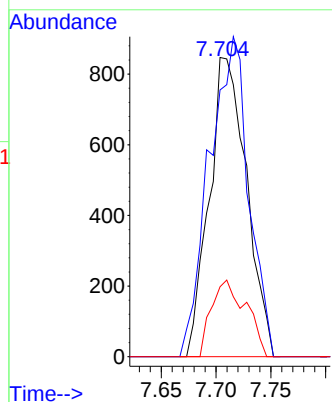
#35
Dibromofluoromethane
Concen: 21.080 ug/l
RT: 7.704 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:113 Resp: 2009

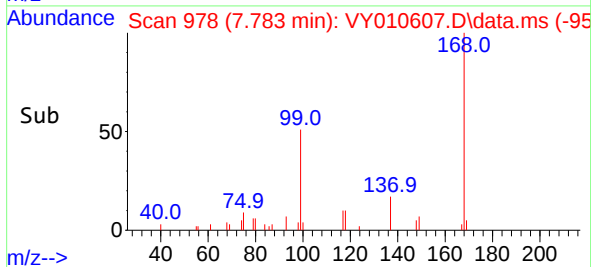
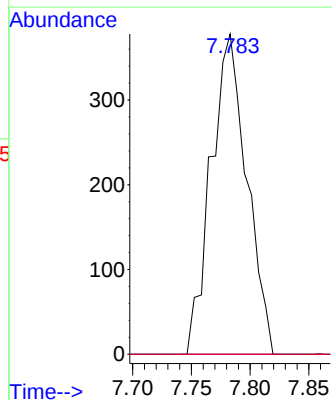
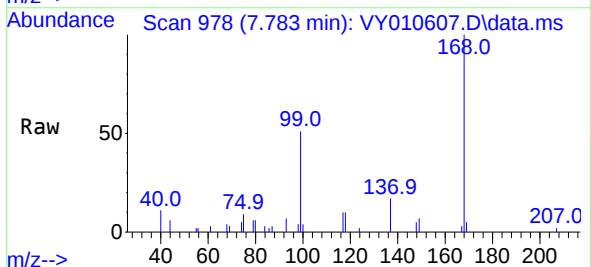
Ion	Ratio	Lower	Upper
113	100		
111	112.4	82.6	124.0
192	23.8	17.6	26.4

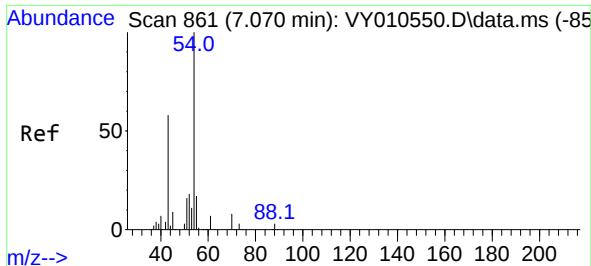


#36
1,1-Dichloropropene
Concen: 7.543 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

Tgt Ion: 75 Resp: 801

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.2#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 3.571 ug/l

RT: 6.960 min Scan# 84

Delta R.T. -0.110 min

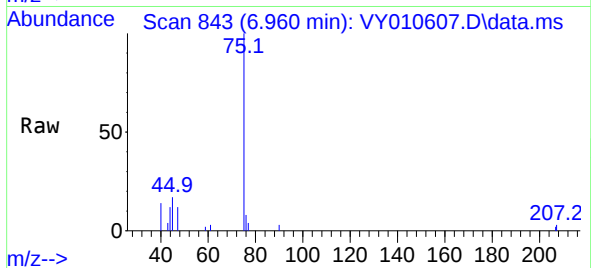
Lab File: VY010607.D

Acq: 21 Sep 2022 18:28

Instrument :

MSVOA_Y

ClientSampleId :



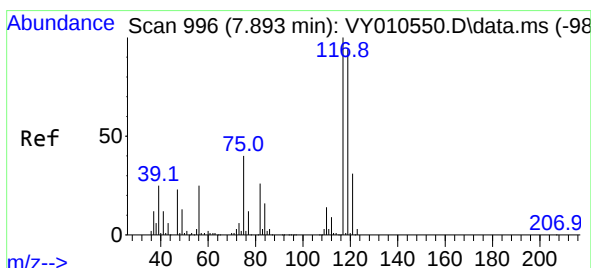
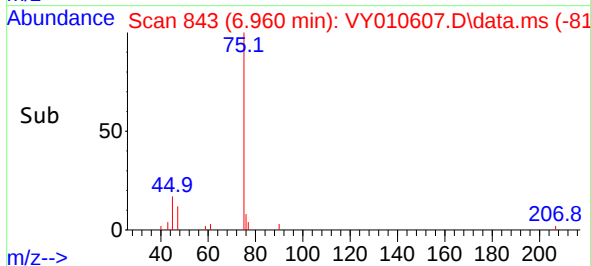
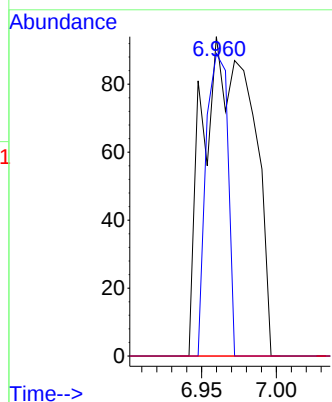
Tgt Ion: 43 Resp: 219

Ion Ratio Lower Upper

43 100

61 40.6 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 7.199 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010607.D

Acq: 21 Sep 2022 18:28

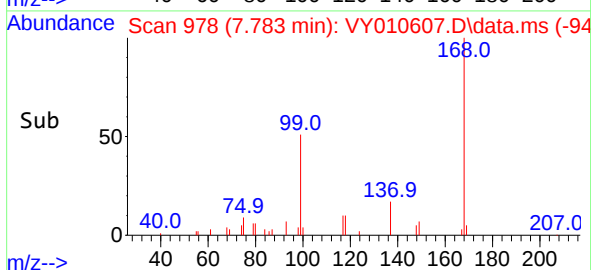
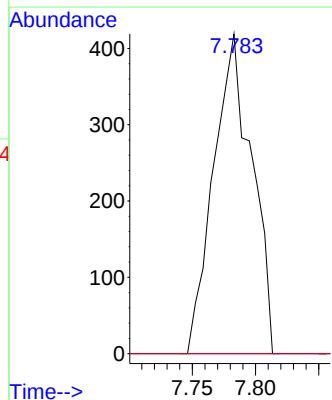
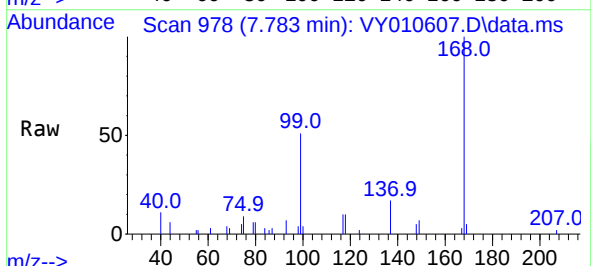
Tgt Ion: 117 Resp: 879

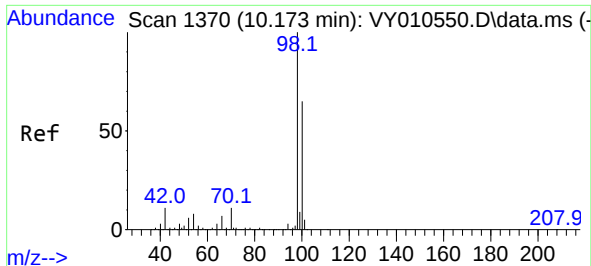
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

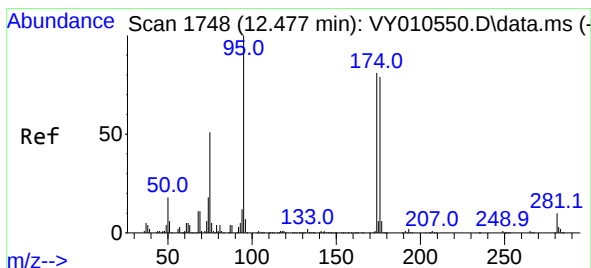
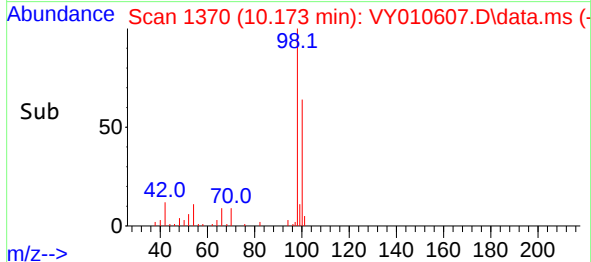
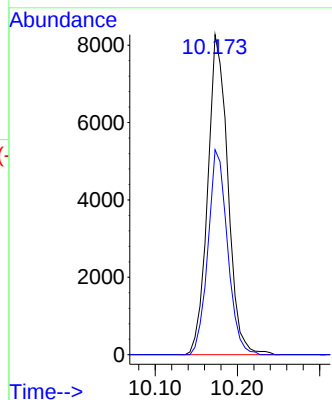
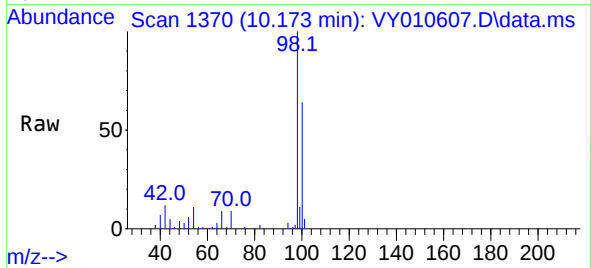




#50
Toluene-d8
Concen: 40.508 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

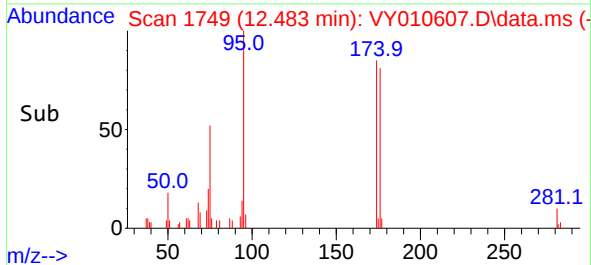
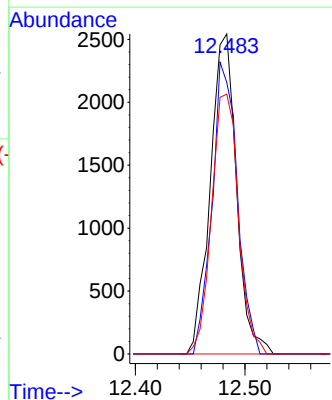
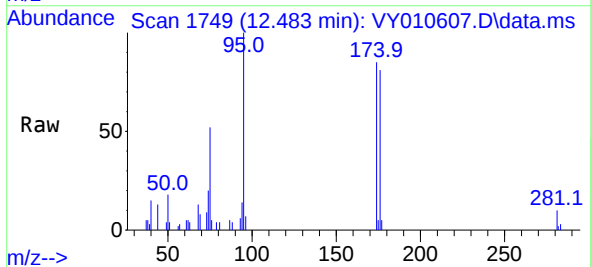
Instrument :
MSVOA_Y
ClientSampleId :

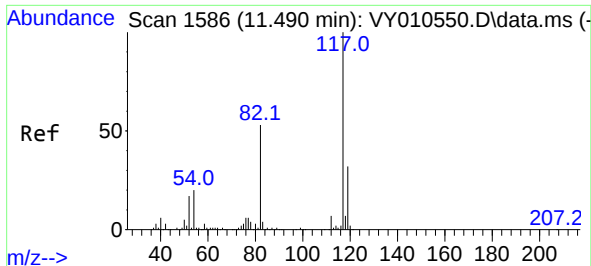
Tgt Ion: 98 Resp: 14045
Ion Ratio Lower Upper
98 100
100 62.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 31.385 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

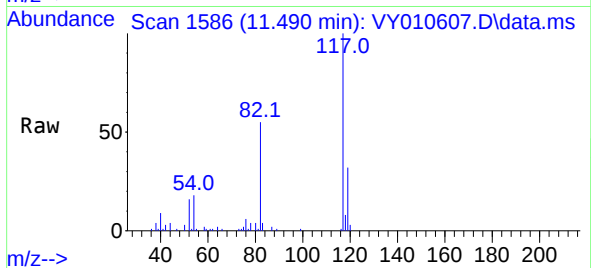
Tgt Ion: 95 Resp: 4234
Ion Ratio Lower Upper
95 100
174 87.8 0.0 177.0
176 83.1 0.0 175.8



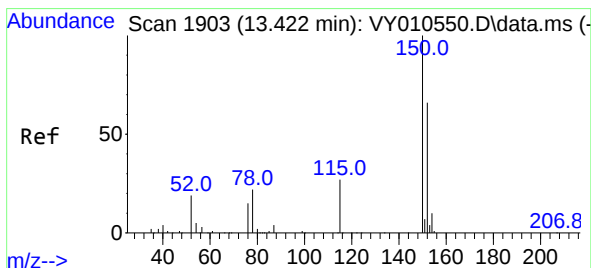
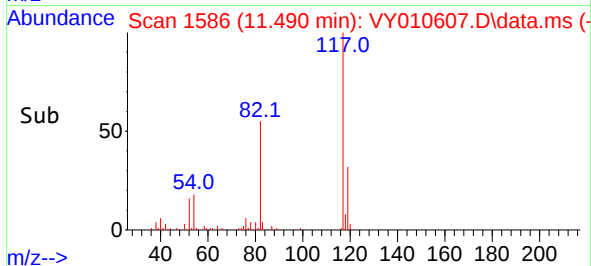
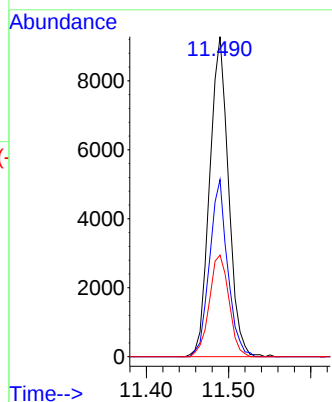


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

Instrument :
MSVOA_Y
ClientSampleId :

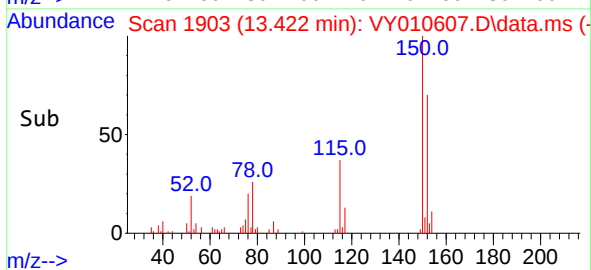
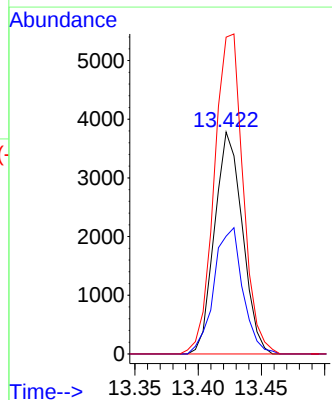
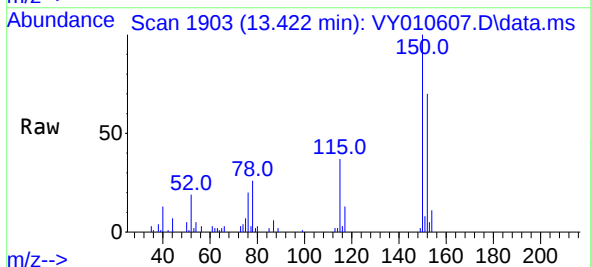


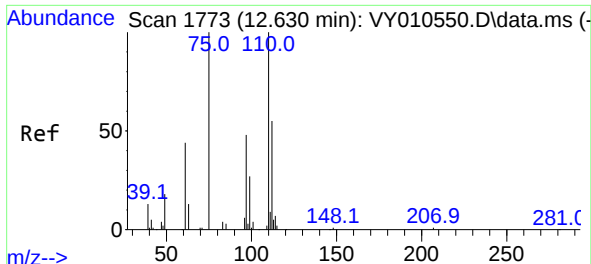
Tgt Ion:117 Resp: 14776
Ion Ratio Lower Upper
117 100
82 55.3 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

Tgt Ion:152 Resp: 5777
Ion Ratio Lower Upper
152 100
115 58.9 28.2 84.7
150 149.3 0.0 347.6

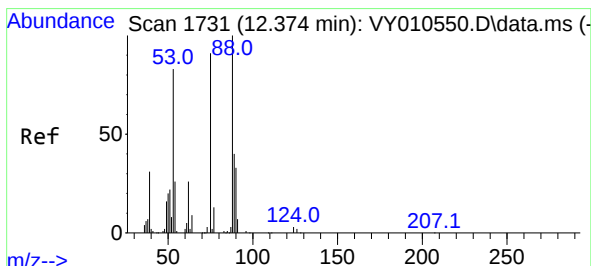
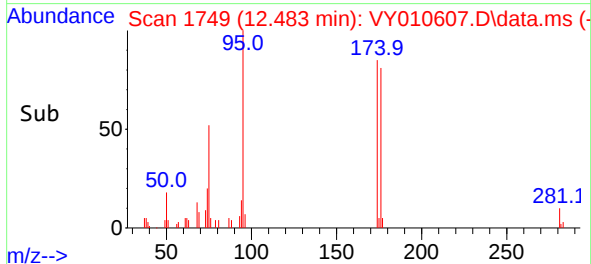
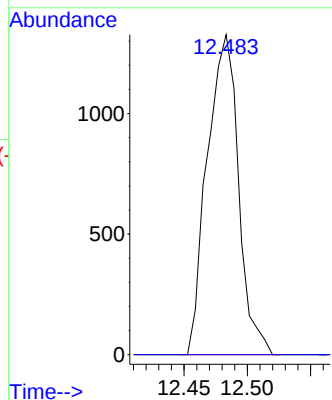
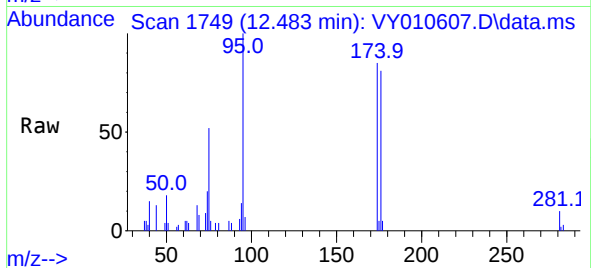




#76
1,2,3-Trichloropropane
Concen: 41.406 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 2283
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 92.062 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY010607.D
Acq: 21 Sep 2022 18:28

Tgt Ion: 75 Resp: 2283
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

