

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100422\
 Data File : VY010800.D
 Acq On : 04 Oct 2022 17:03
 Operator : KP/MD
 Sample : N4943-05
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 05 07:32:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

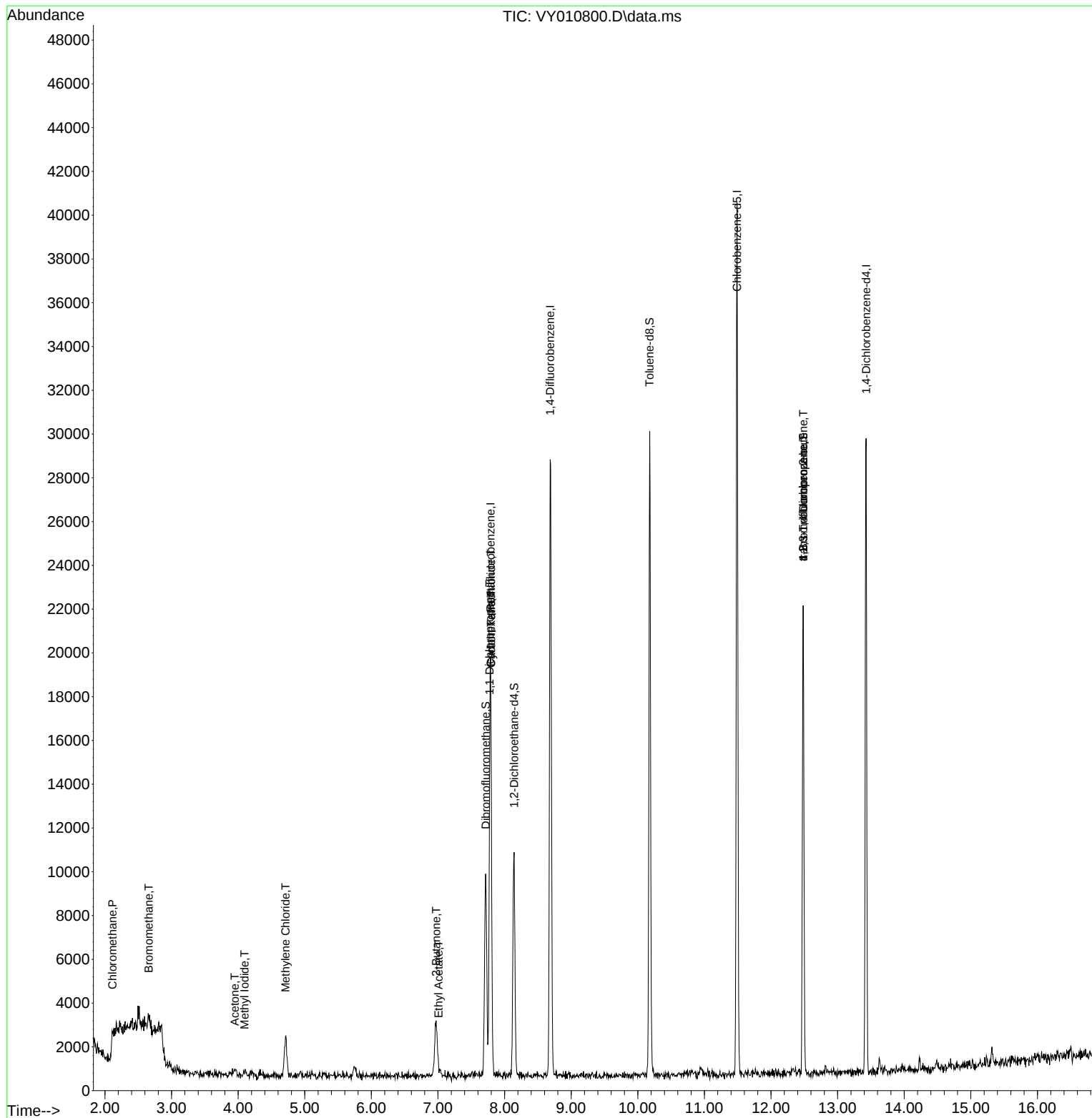
Internal Standards						
1) Pentafluorobenzene	7.789	168	15366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	25298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	22130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	8205	52.679	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.360%	
35) Dibromofluoromethane	7.716	113	6754	40.219	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 80.440%	
50) Toluene-d8	10.179	98	19555	34.050	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 68.100%	
62) 4-Bromofluorobenzene	12.483	95	6514	27.367	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 54.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	206	1.163	ug/l #	44
5) Bromomethane	2.656	94	302	1.996	ug/l	96
10) Methyl Iodide	4.094	142	447	2.246	ug/l #	57
11) Tert butyl alcohol	4.936	59	121	Below Cal	#	77
16) Acetone	3.948	43	603	15.244	ug/l	97
20) Methylene Chloride	4.710	84	1421	3.325	ug/l #	79
25) 2-Butanone	6.972	43	84	1.477	ug/l #	54
31) Cyclohexane	7.795	56	354	1.270	ug/l #	13
36) 1,1-Dichloropropene	7.777	75	1081	4.459	ug/l #	46
37) Ethyl Acetate	7.009	43	137	1.152	ug/l #	72
38) Carbon Tetrachloride	7.795	117	1552	6.147	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	3357	42.068	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3357	87.876	ug/l #	7

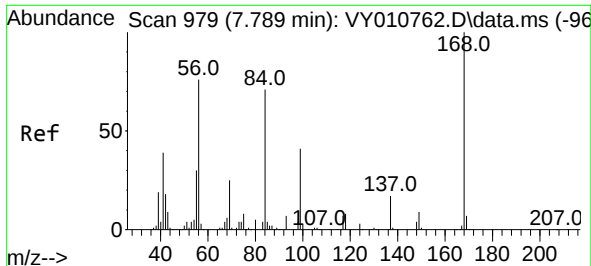
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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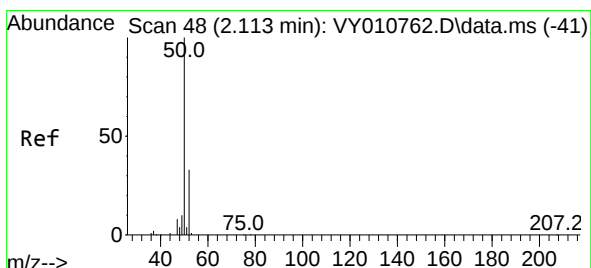
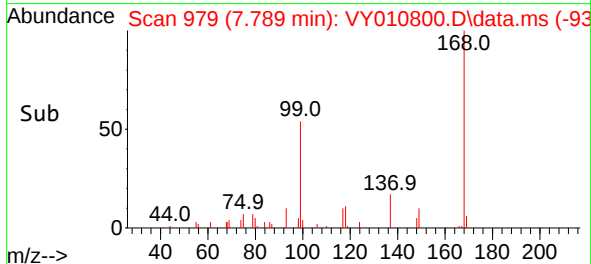
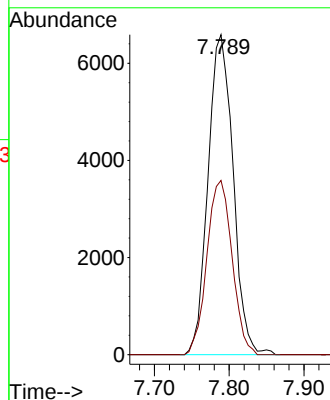
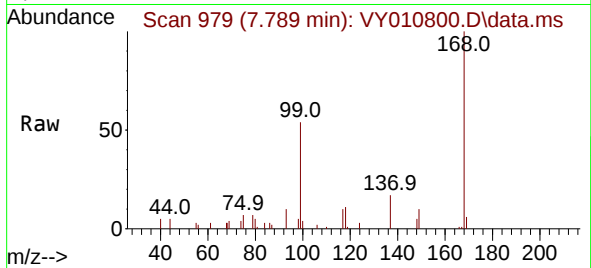




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010800.D
Acq: 04 Oct 2022 17:03

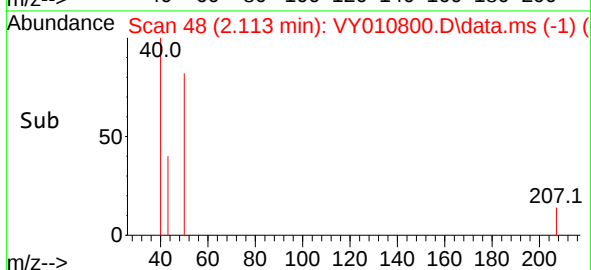
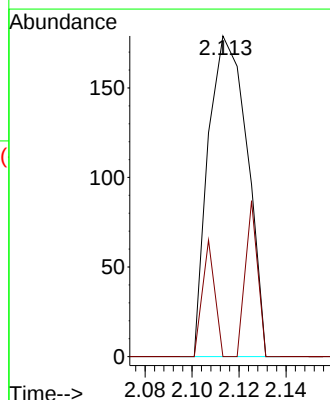
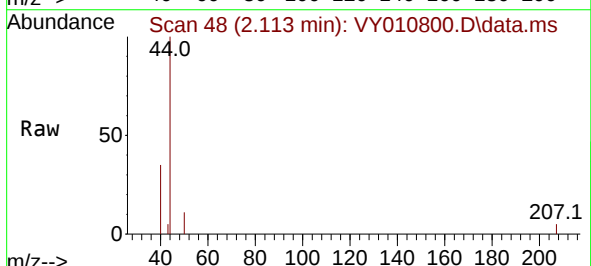
Instrument :
MSVOA_Y
ClientSampleId :

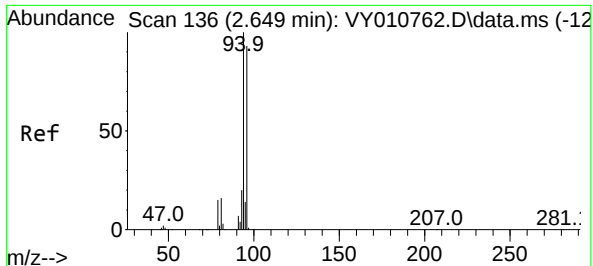
Tgt Ion:168 Resp: 15366
Ion Ratio Lower Upper
168 100
99 54.5 46.9 70.3



#3
Chloromethane
Concen: 1.163 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY010800.D
Acq: 04 Oct 2022 17:03

Tgt Ion: 50 Resp: 206
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

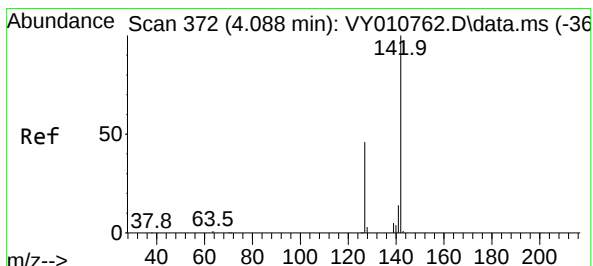
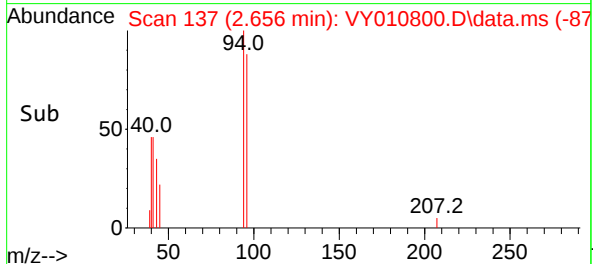
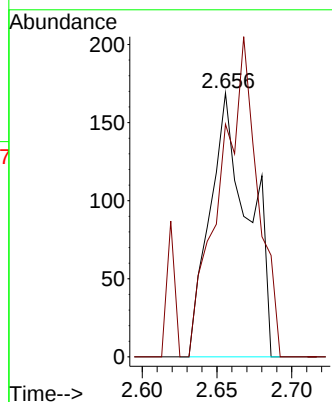
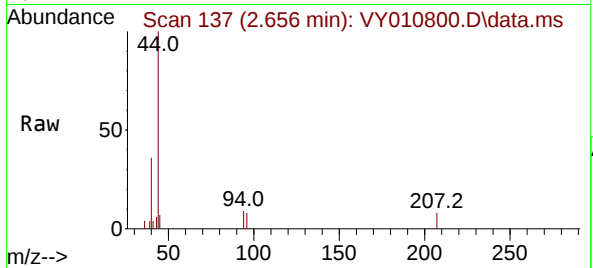




#5
Bromomethane
Concen: 1.996 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY010800.D
Acq: 04 Oct 2022 17:03

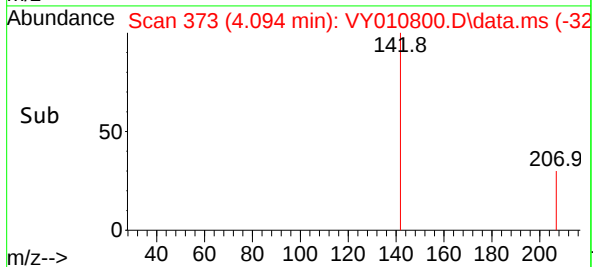
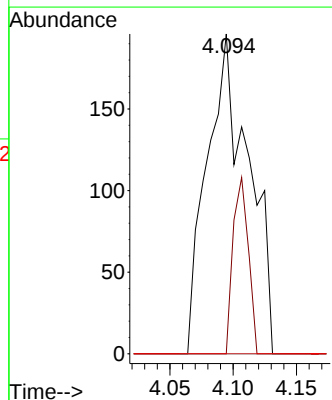
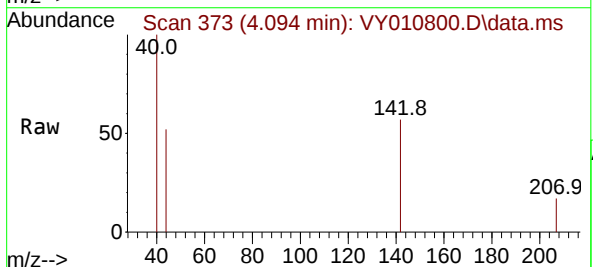
Instrument :
MSVOA_Y
ClientSampleId :

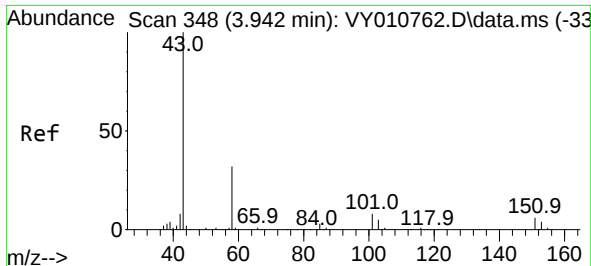
Tgt Ion: 94 Resp: 302
Ion Ratio Lower Upper
94 100
96 88.2 73.5 110.3



#10
Methyl Iodide
Concen: 2.246 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY010800.D
Acq: 04 Oct 2022 17:03

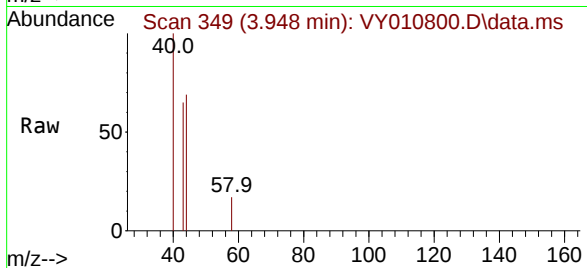
Tgt Ion:142 Resp: 447
Ion Ratio Lower Upper
142 100
127 20.4 41.5 62.3#
141 0.0 11.9 17.9#



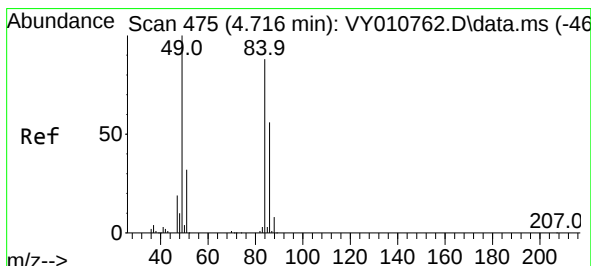
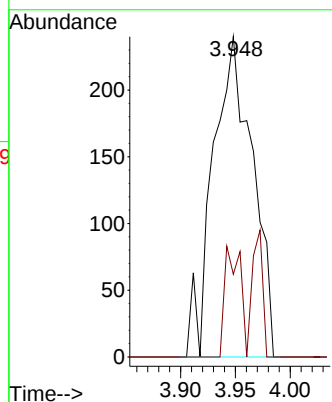
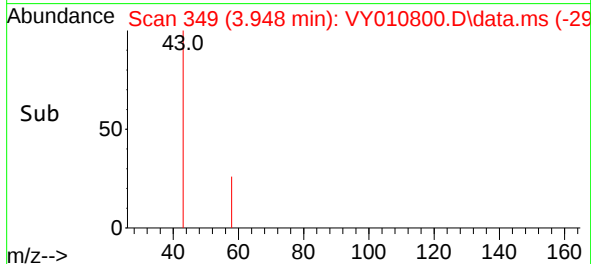


#16
Acetone
Concen: 15.244 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010800.D
Acq: 04 Oct 2022 17:03

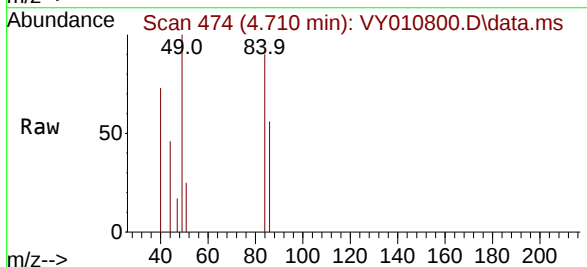
Instrument :
MSVOA_Y
ClientSampleId :



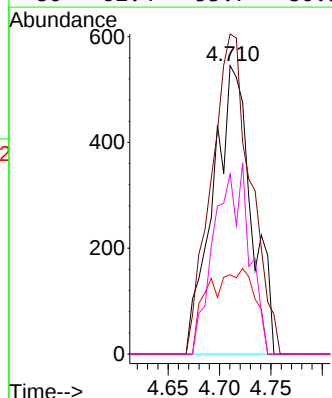
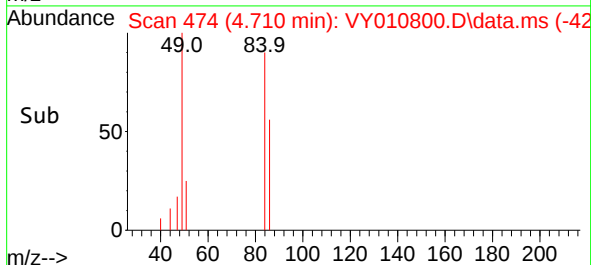
Tgt Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
58 25.8 22.0 33.0

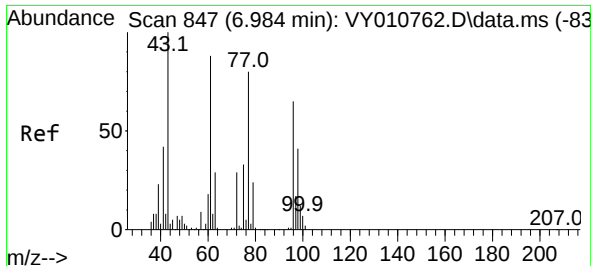


#20
Methylene Chloride
Concen: 3.325 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY010800.D
Acq: 04 Oct 2022 17:03



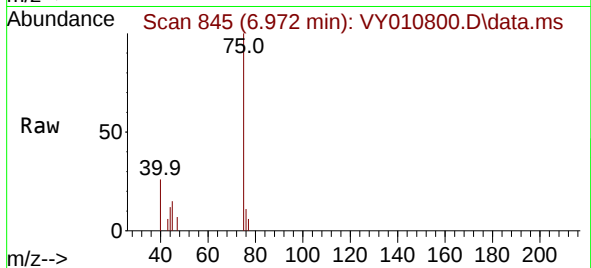
Tgt Ion: 84 Resp: 1421
Ion Ratio Lower Upper
84 100
49 111.0 114.4 171.6#
51 27.5 35.3 52.9#
86 62.4 53.7 80.5



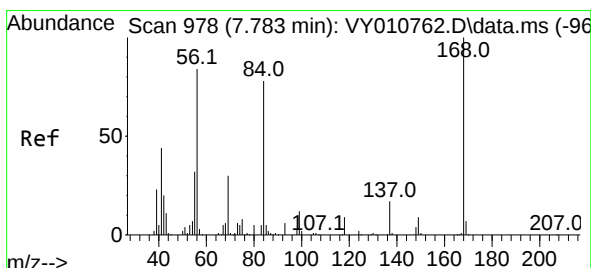
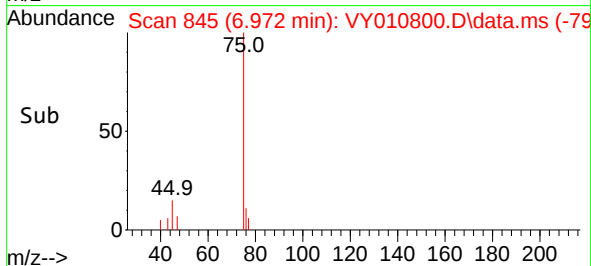
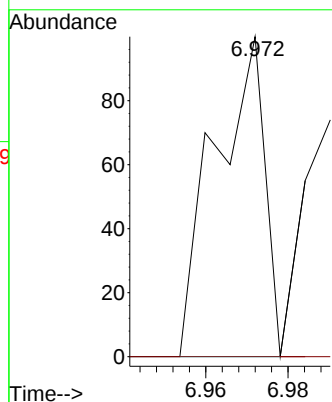


#25
2-Butanone
Concen: 1.477 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY010800.D
Acq: 04 Oct 2022 17:03

Instrument :
MSVOA_Y
ClientSampleId :

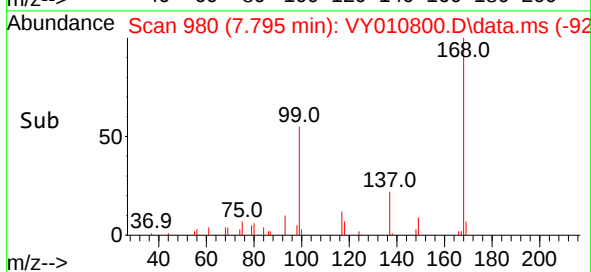
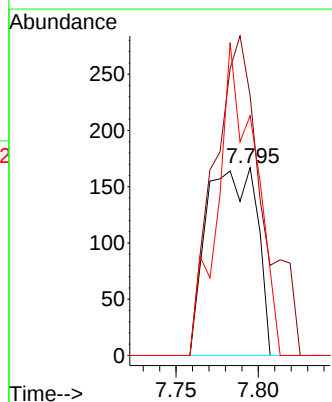
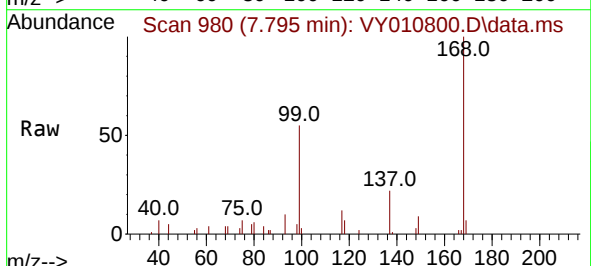


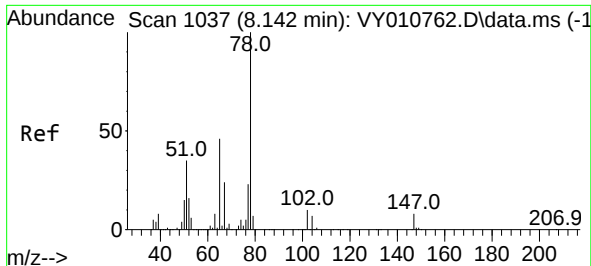
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY010800.D
Acq: 04 Oct 2022 17:03

Tgt Ion: 56 Resp: 354
Ion Ratio Lower Upper
56 100
69 138.3 26.7 40.1#
84 127.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 52.679 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.001 min

Lab File: VY010800.D

Acq: 04 Oct 2022 17:03

Instrument :

MSVOA_Y

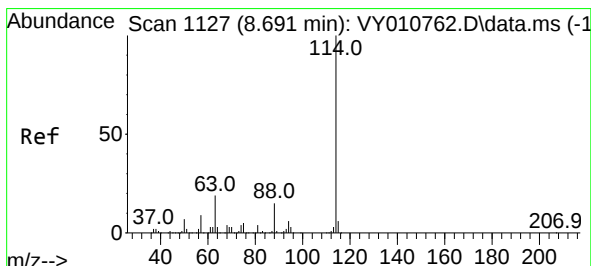
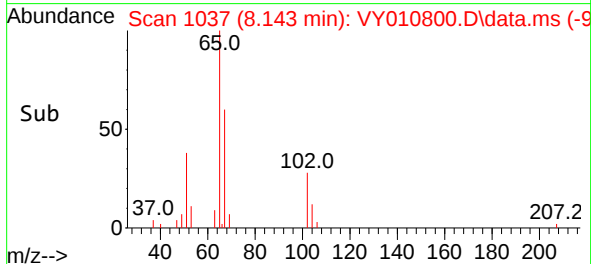
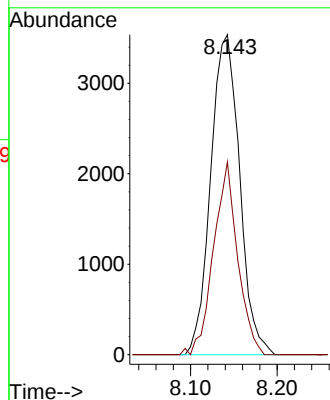
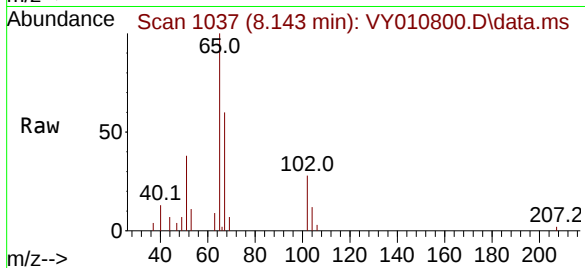
ClientSampleId :

Tgt Ion: 65 Resp: 8205

Ion Ratio Lower Upper

65 100

67 50.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010800.D

Acq: 04 Oct 2022 17:03

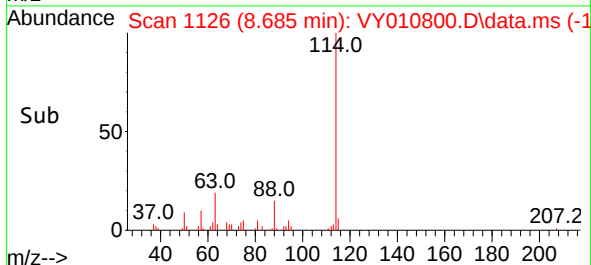
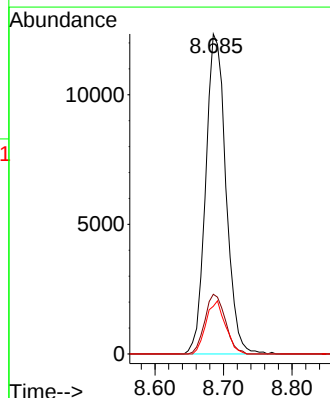
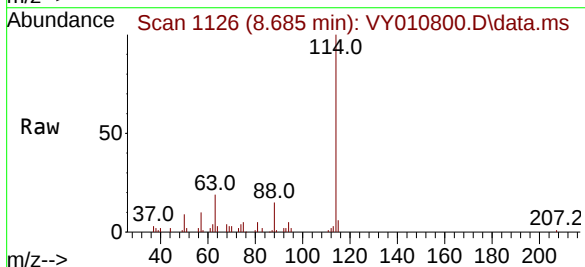
Tgt Ion: 114 Resp: 25298

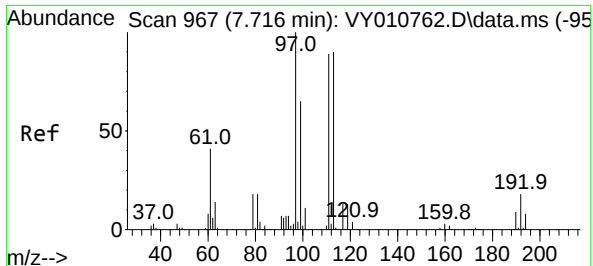
Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

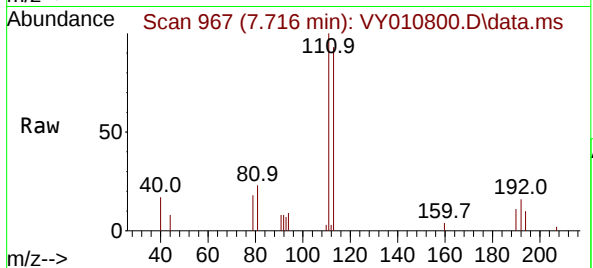
88 14.9 0.0 31.8



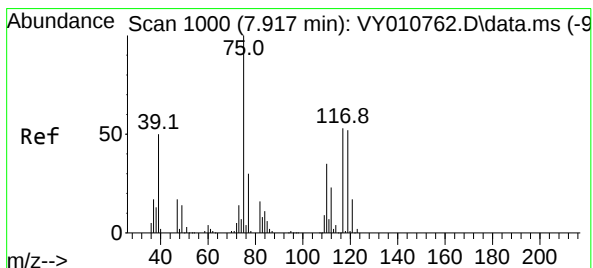
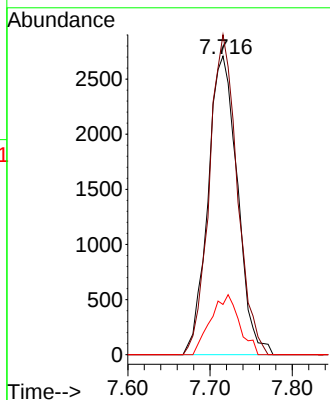
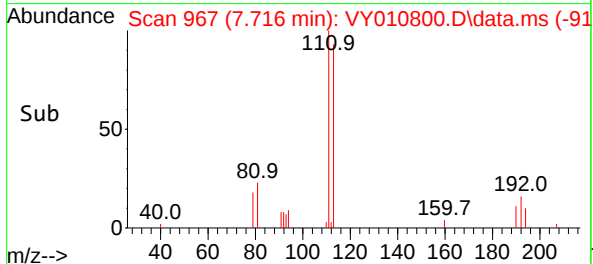


#35
Dibromofluoromethane
Concen: 40.219 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010800.D
Acq: 04 Oct 2022 17:03

Instrument :
MSVOA_Y
ClientSampleId :

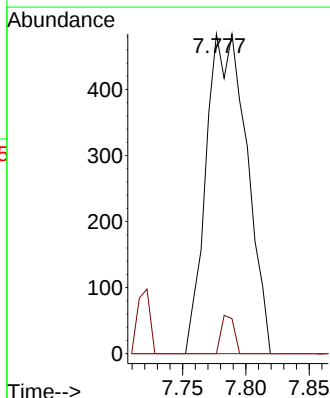
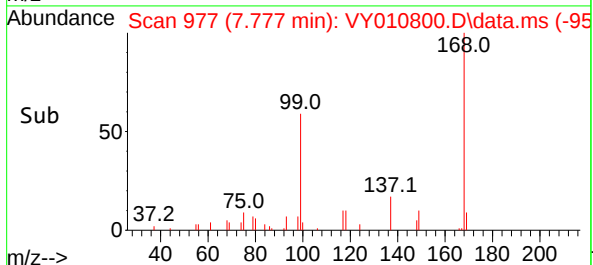
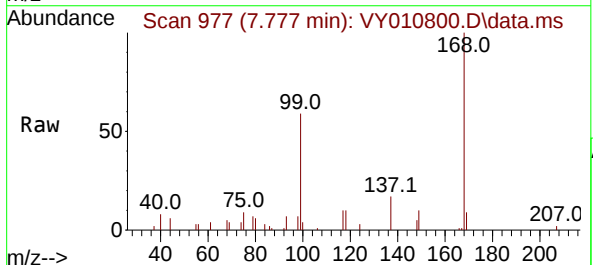


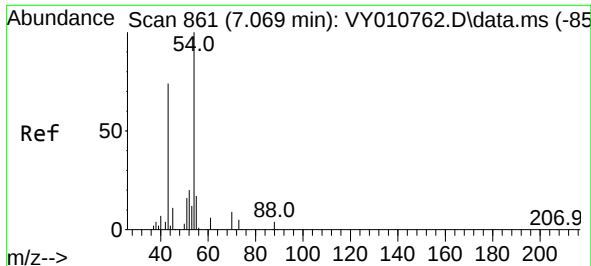
Tgt Ion:113 Resp: 6754
Ion Ratio Lower Upper
113 100
111 101.2 82.6 124.0
192 19.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.459 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.140 min
Lab File: VY010800.D
Acq: 04 Oct 2022 17:03

Tgt Ion: 75 Resp: 1081
Ion Ratio Lower Upper
75 100
110 3.8 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.152 ug/l

RT: 7.009 min Scan# 81

Delta R.T. -0.060 min

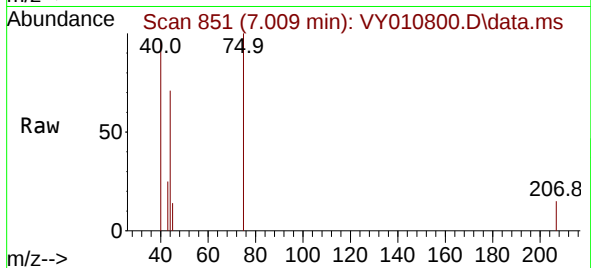
Lab File: VY010800.D

Acq: 04 Oct 2022 17:03

Instrument :

MSVOA_Y

ClientSampleId :



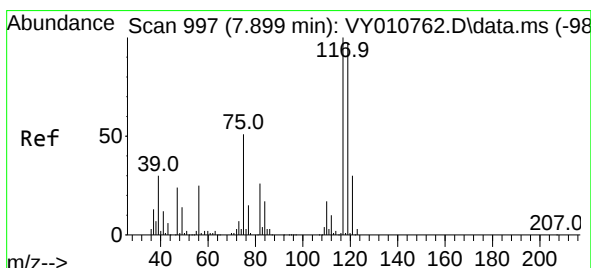
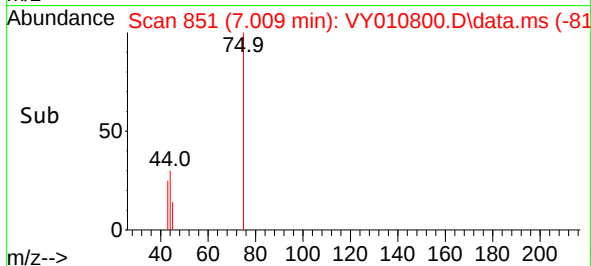
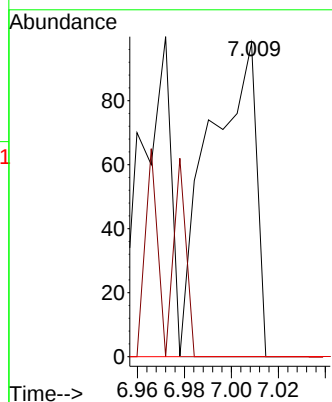
Tgt Ion: 43 Resp: 137

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.147 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY010800.D

Acq: 04 Oct 2022 17:03

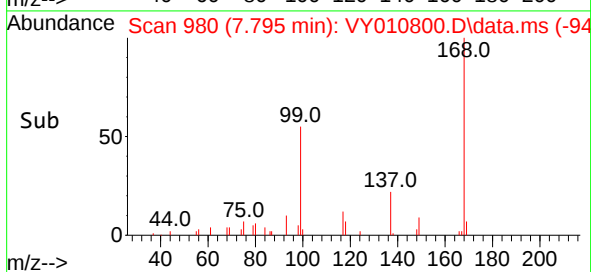
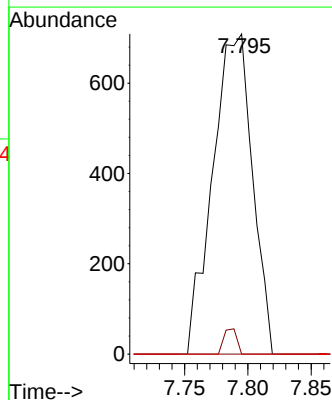
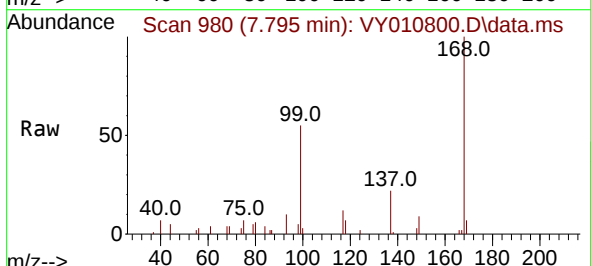
Tgt Ion: 117 Resp: 1552

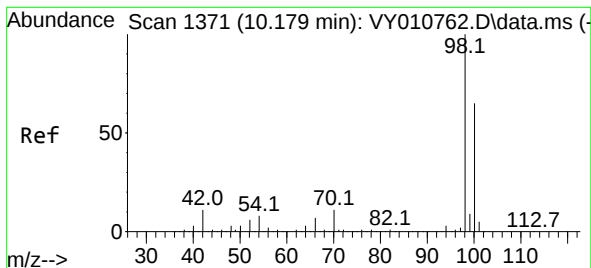
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

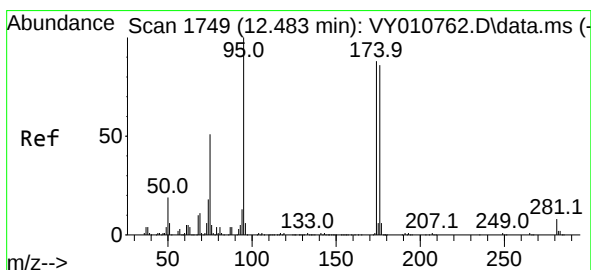
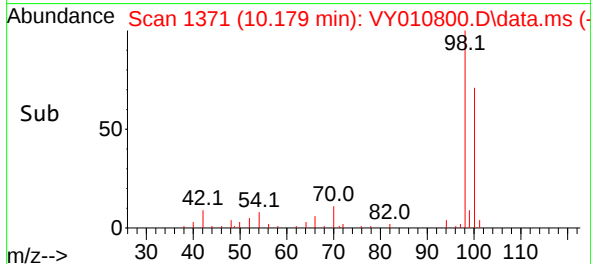
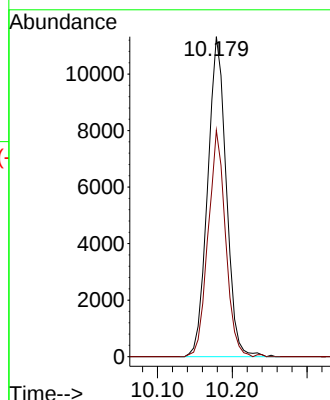
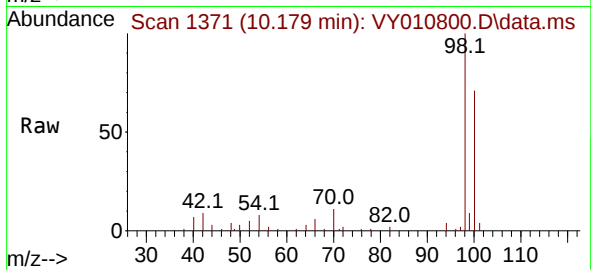




#50
Toluene-d8
Concen: 34.050 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010800.D
Acq: 04 Oct 2022 17:03

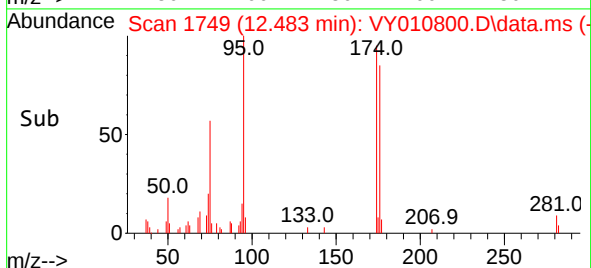
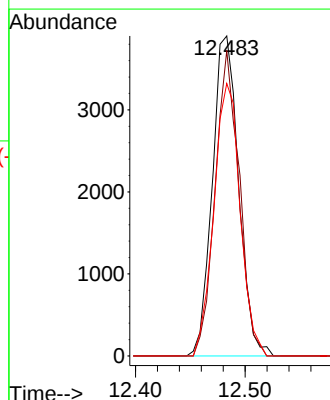
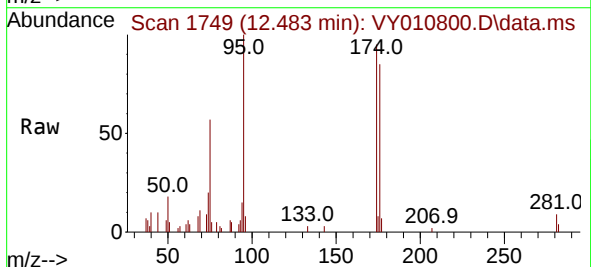
Instrument :
MSVOA_Y
ClientSampleId :

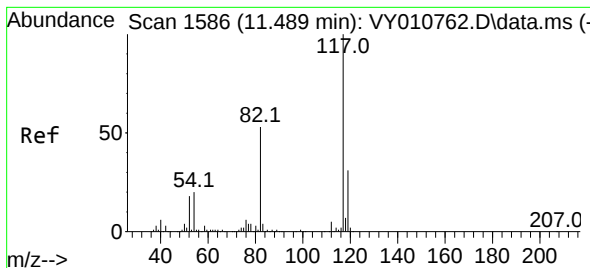
Tgt Ion: 98 Resp: 19555
Ion Ratio Lower Upper
98 100
100 66.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 27.367 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010800.D
Acq: 04 Oct 2022 17:03

Tgt Ion: 95 Resp: 6514
Ion Ratio Lower Upper
95 100
174 87.6 0.0 177.0
176 84.8 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

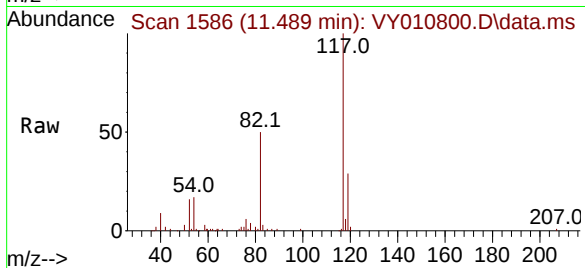
Lab File: VY010800.D

Acq: 04 Oct 2022 17:03

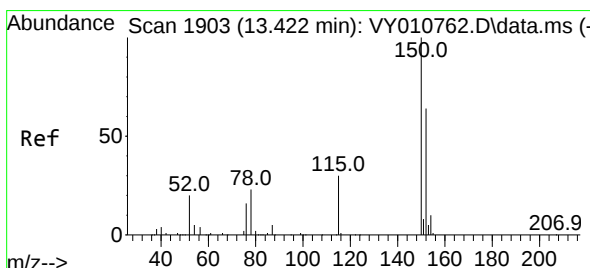
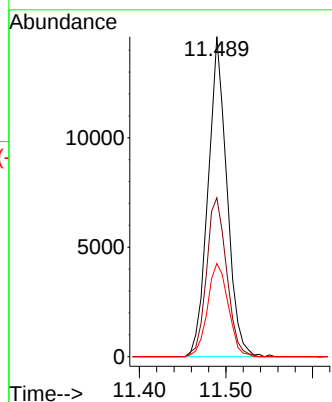
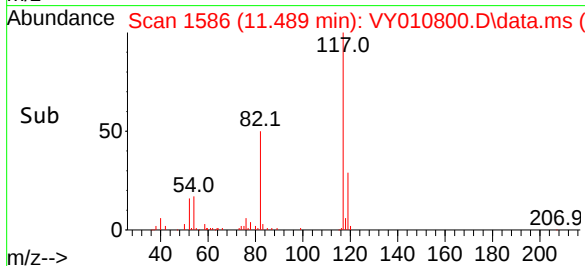
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	117	Resp:	22130
Ion Ratio	Lower	Upper	
117	100		
82	49.7	43.0	64.4
119	29.1	25.4	38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

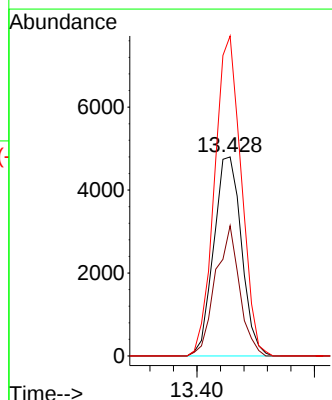
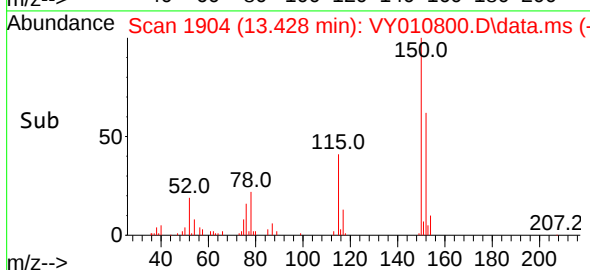
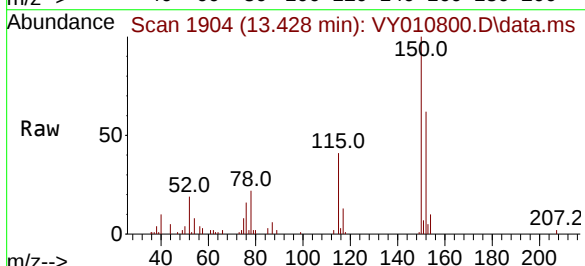
RT: 13.428 min Scan# 1904

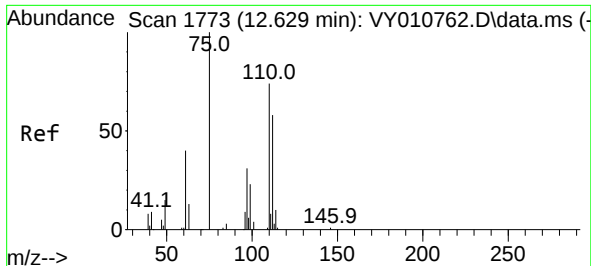
Delta R.T. 0.006 min

Lab File: VY010800.D

Acq: 04 Oct 2022 17:03

Tgt Ion:	152	Resp:	7880
Ion Ratio	Lower	Upper	
152	100		
115	56.9	28.2	84.7
150	154.6	0.0	347.6

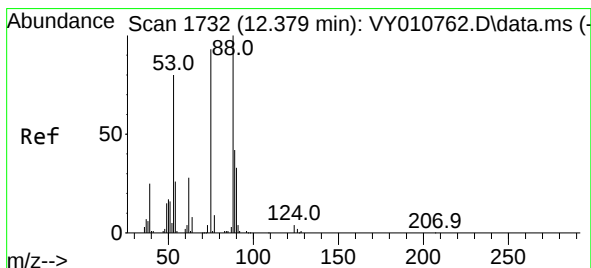
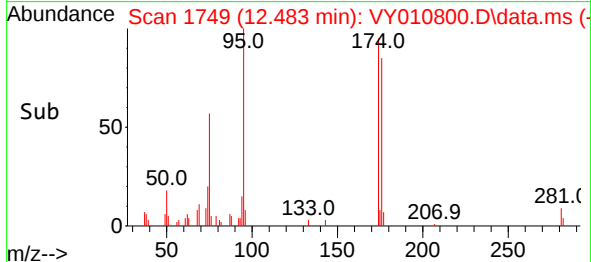
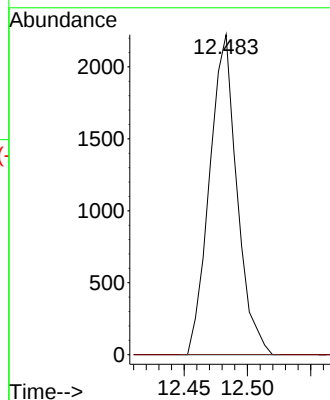
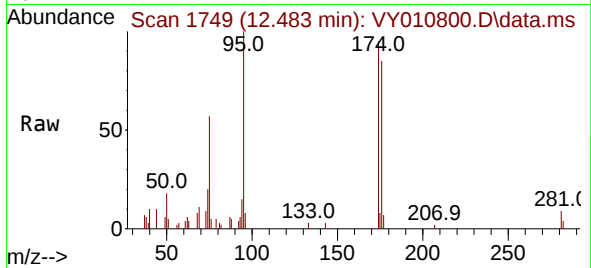




#76
1,2,3-Trichloropropane
Concen: 42.068 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY010800.D
Acq: 04 Oct 2022 17:03

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 3357
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 87.876 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY010800.D
Acq: 04 Oct 2022 17:03

Tgt Ion: 75 Resp: 3357
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

