

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021325\
 Data File : VY021193.D
 Acq On : 13 Feb 2025 16:05
 Operator : SY/MD
 Sample : Q1365-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 14 00:45:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

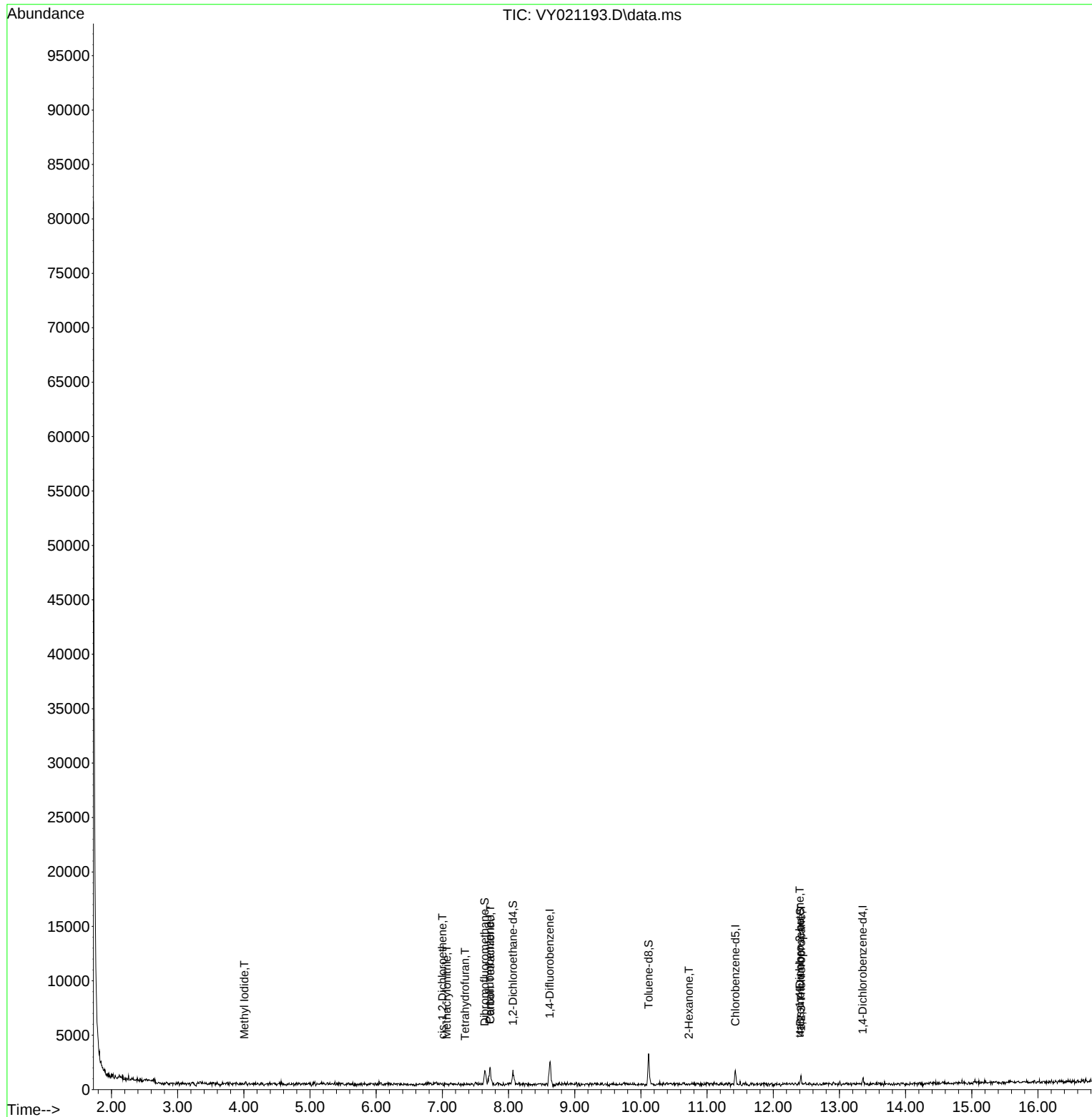
Internal Standards						
1) Pentafluorobenzene	7.713	168	1649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	2243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	773	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	239	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	905	53.565	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.140%	
35) Dibromofluoromethane	7.640	113	884	61.497	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 123.000%	
50) Toluene-d8	10.115	98	2015	36.820	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 73.640%	
62) 4-Bromofluorobenzene	12.408	95	273	15.270	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 30.540%	
Target Compounds						Qvalue
10) Methyl Iodide	4.007	142	19	1.025	ug/l #	40
27) cis-1,2-Dichloroethene	7.000	96	21	1.054	ug/l #	1
29) Tetrahydrofuran	7.341	42	18	6.144	ug/l #	32
38) Carbon Tetrachloride	7.726	117	113	4.542	ug/l #	12
41) Methacrylonitrile	7.067	41	24	4.441	ug/l #	23
59) 2-Hexanone	10.725	43	19	3.162	ug/l #	23
76) 1,2,3-Trichloropropane	12.420	75	97	44.741	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	49	46.117	ug/l #	12

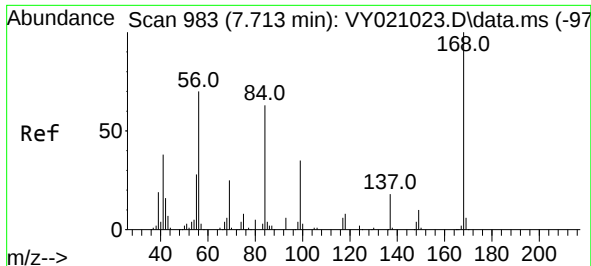
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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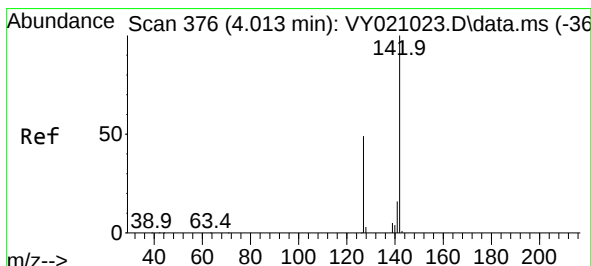
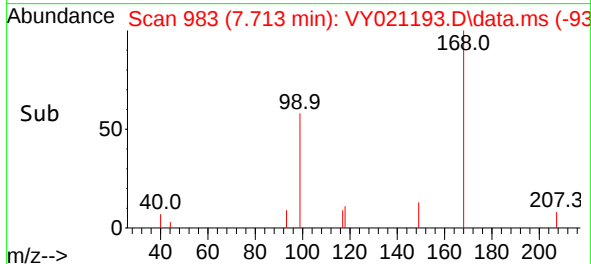
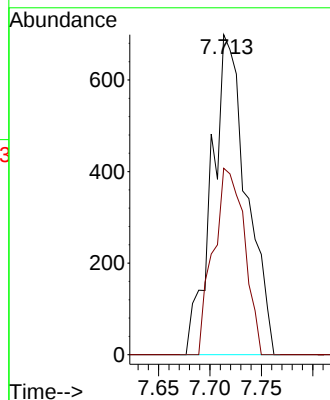
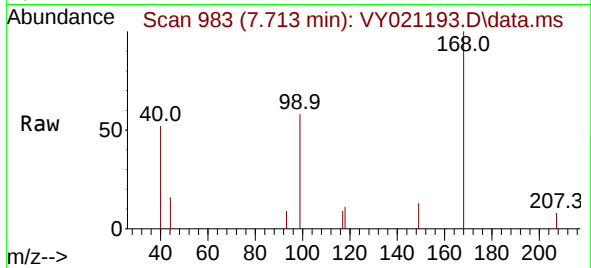




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021193.D
Acq: 13 Feb 2025 16:05

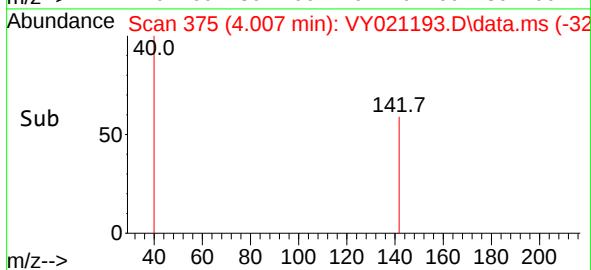
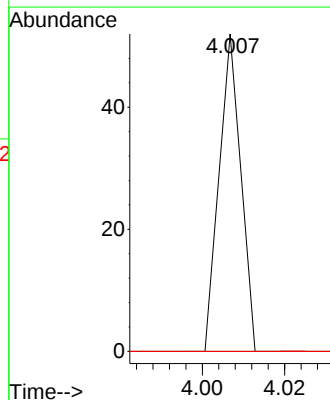
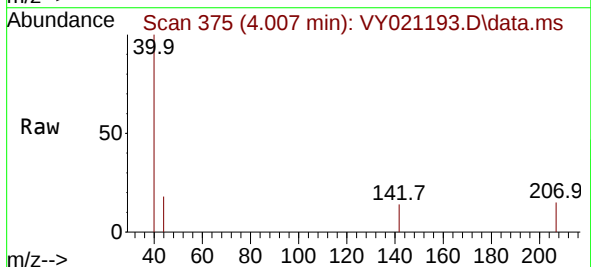
Instrument :
MSVOA_Y
ClientSampleId :

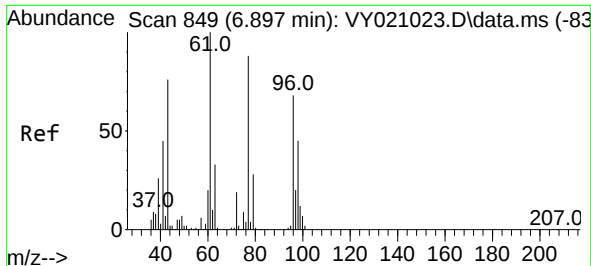
Tgt Ion:168 Resp: 1649
Ion Ratio Lower Upper
168 100
99 58.2 44.2 66.4



#10
Methyl Iodide
Concen: 1.025 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY021193.D
Acq: 13 Feb 2025 16:05

Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 35.1 52.7#
141 0.0 11.8 17.6#





#27

cis-1,2-Dichloroethene

Concen: 1.054 ug/l

RT: 7.000 min Scan# 80

Delta R.T. 0.104 min

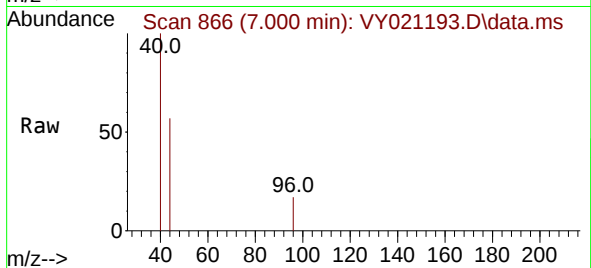
Lab File: VY021193.D

Acq: 13 Feb 2025 16:05

Instrument :

MSVOA_Y

ClientSampleId :



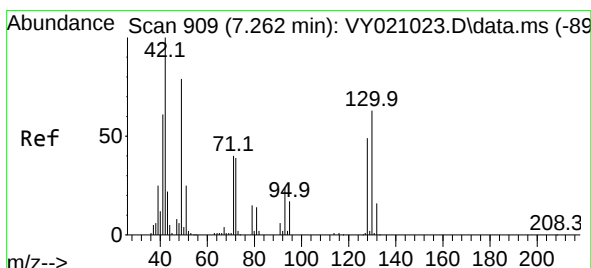
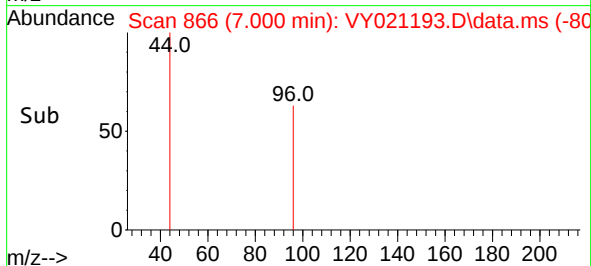
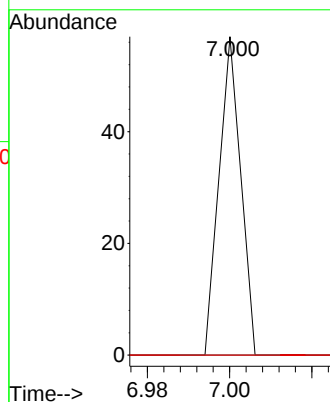
Tgt Ion: 96 Resp: 21

Ion Ratio Lower Upper

96 100

61 0.0 0.0 278.8

98 0.0 0.0 127.0



#29

Tetrahydrofuran

Concen: 6.144 ug/l

RT: 7.341 min Scan# 922

Delta R.T. 0.079 min

Lab File: VY021193.D

Acq: 13 Feb 2025 16:05

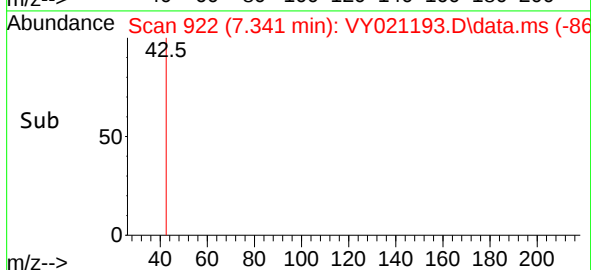
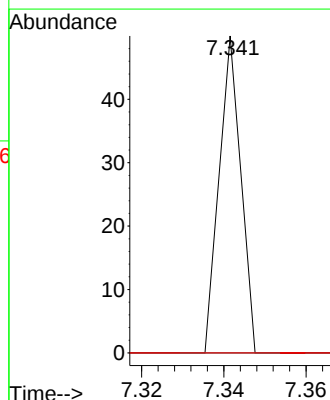
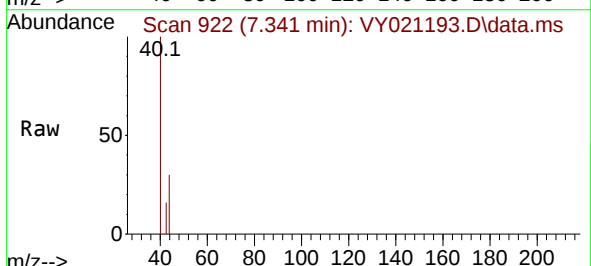
Tgt Ion: 42 Resp: 18

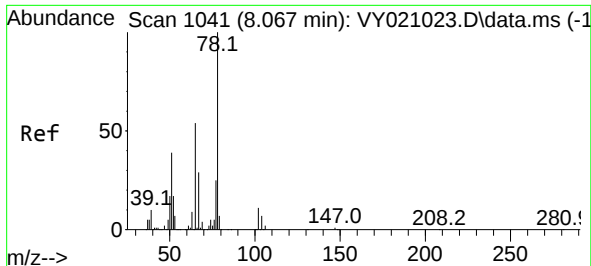
Ion Ratio Lower Upper

42 100

72 0.0 36.6 54.8#

71 0.0 33.8 50.6#





#33

1,2-Dichloroethane-d4

Concen: 53.565 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY021193.D

Acq: 13 Feb 2025 16:05

Instrument :

MSVOA_Y

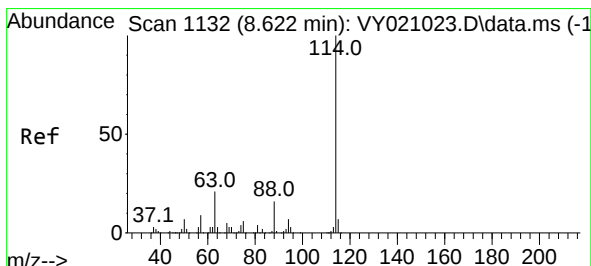
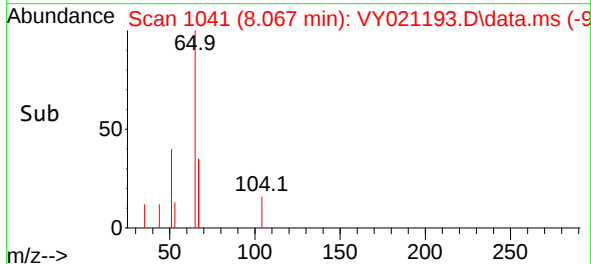
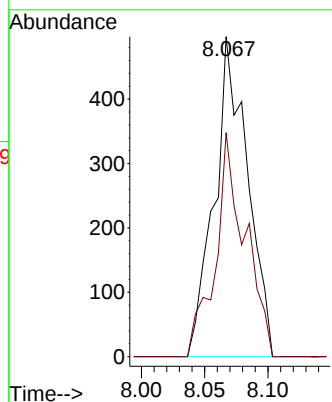
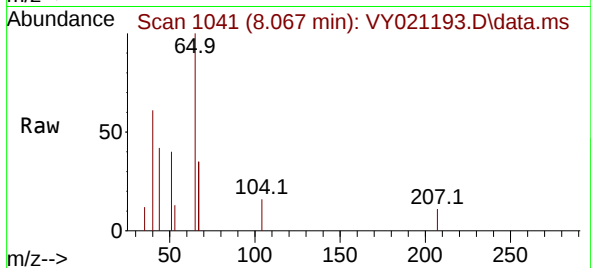
ClientSampleId :

Tgt Ion: 65 Resp: 905

Ion Ratio Lower Upper

65 100

67 62.5 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021193.D

Acq: 13 Feb 2025 16:05

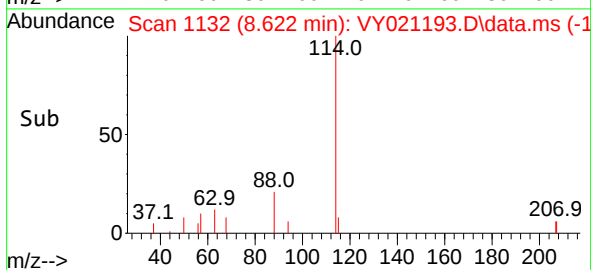
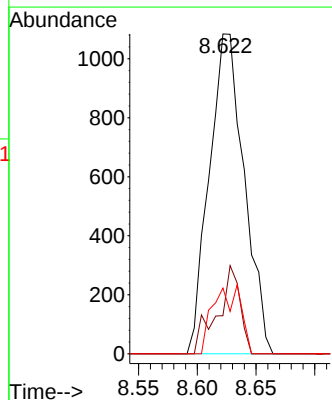
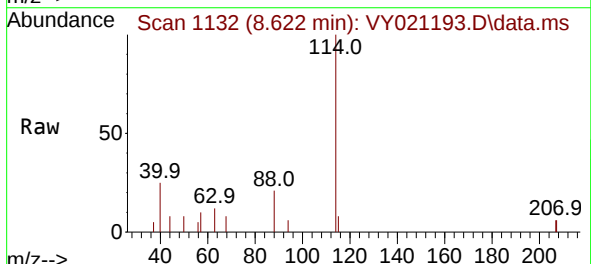
Tgt Ion: 114 Resp: 2243

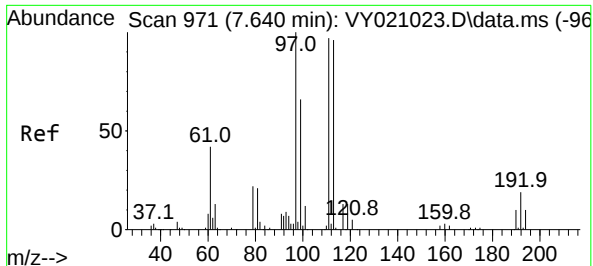
Ion Ratio Lower Upper

114 100

63 11.9 0.0 37.4

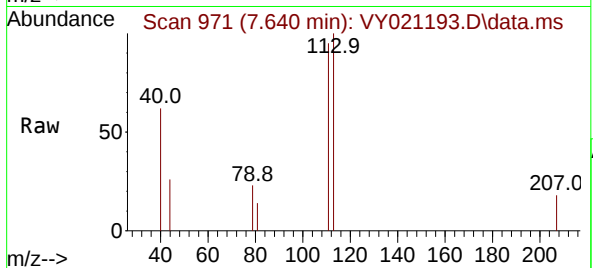
88 20.6 0.0 29.0



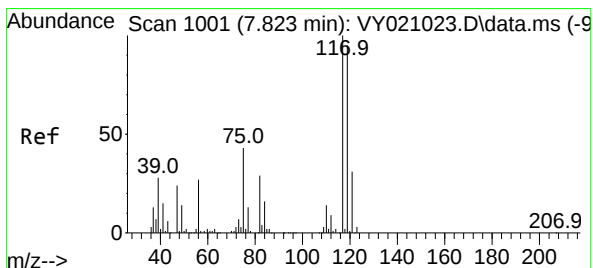
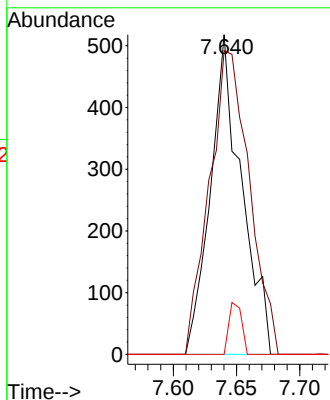
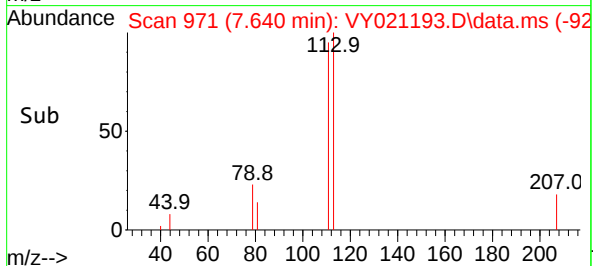


#35
Dibromofluoromethane
Concen: 61.497 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021193.D
Acq: 13 Feb 2025 16:05

Instrument :
MSVOA_Y
ClientSampleId :

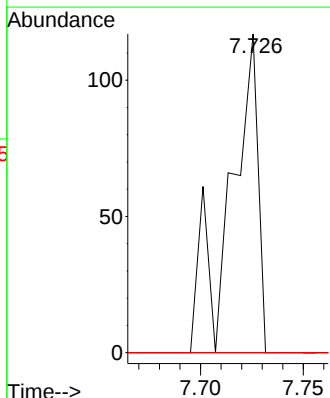
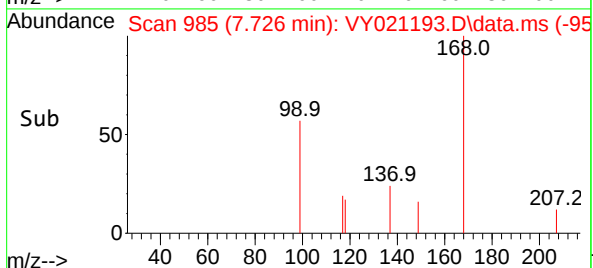
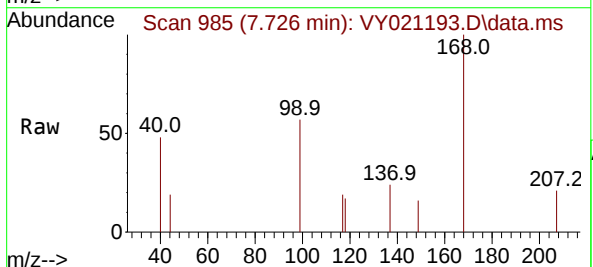


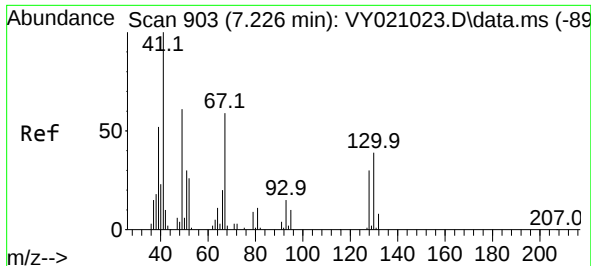
Tgt Ion:113 Resp: 884
Ion Ratio Lower Upper
113 100
111 122.3 83.8 125.6
192 6.6 14.5 21.7#



#38
Carbon Tetrachloride
Concen: 4.542 ug/l
RT: 7.726 min Scan# 985
Delta R.T. -0.098 min
Lab File: VY021193.D
Acq: 13 Feb 2025 16:05

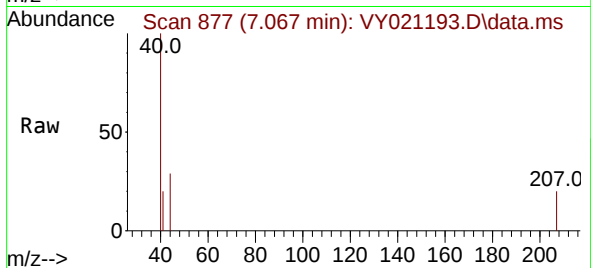
Tgt Ion:117 Resp: 113
Ion Ratio Lower Upper
117 100
119 0.0 76.0 114.0#
121 0.0 24.2 36.2#



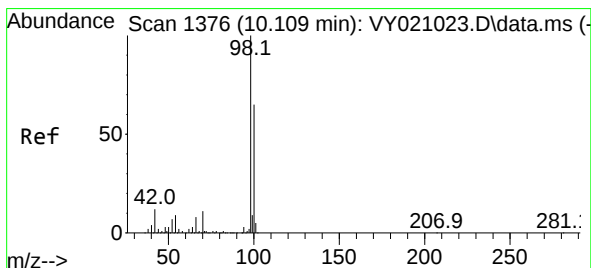
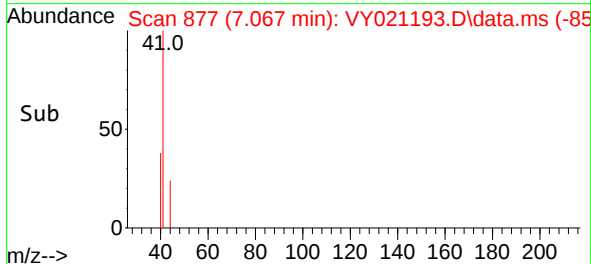
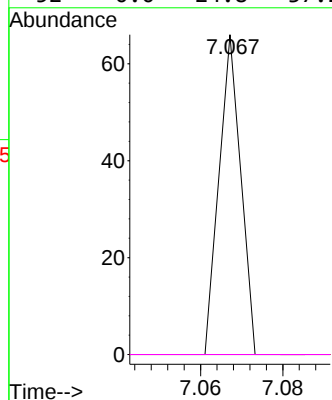


#41
Methacrylonitrile
Concen: 4.441 ug/l
RT: 7.067 min Scan# 81
Delta R.T. -0.159 min
Lab File: VY021193.D
Acq: 13 Feb 2025 16:05

Instrument :
MSVOA_Y
ClientSampleId :

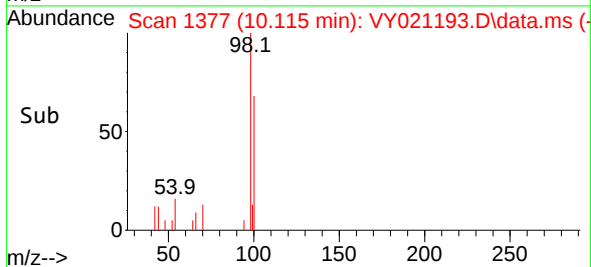
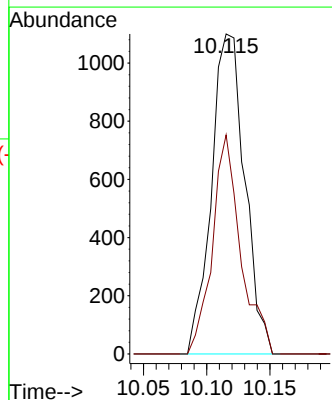
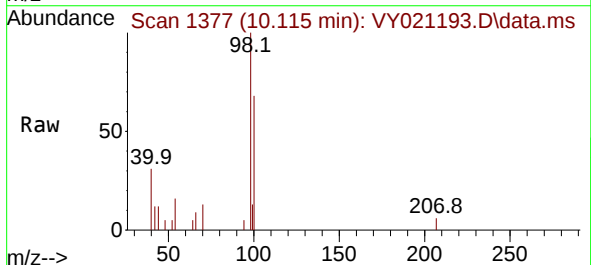


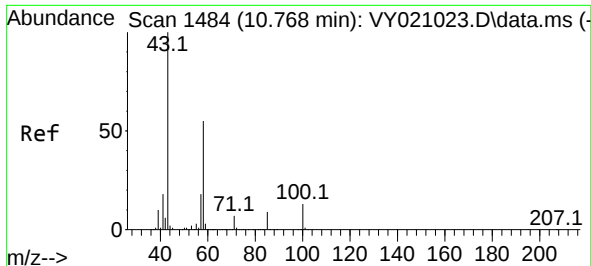
Tgt Ion: 41	Resp: 24
Ion Ratio	Lower Upper
41 100	
39 0.0	41.9 62.9#
67 0.0	59.8 89.6#
52 0.0	24.8 37.2#



#50
Toluene-d8
Concen: 36.820 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021193.D
Acq: 13 Feb 2025 16:05

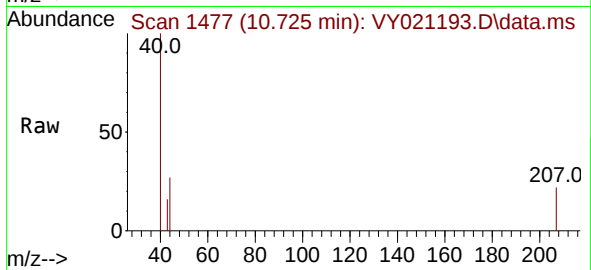
Tgt Ion: 98	Resp: 2015		
Ion Ratio	Lower	Upper	
98 100			
100 58.2	52.3	78.5	



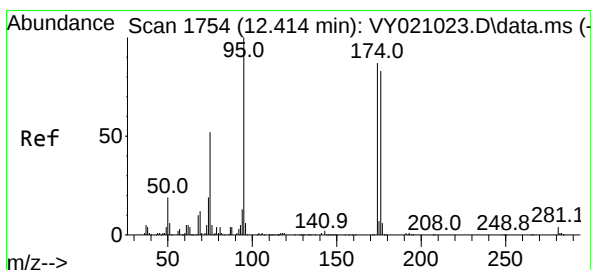
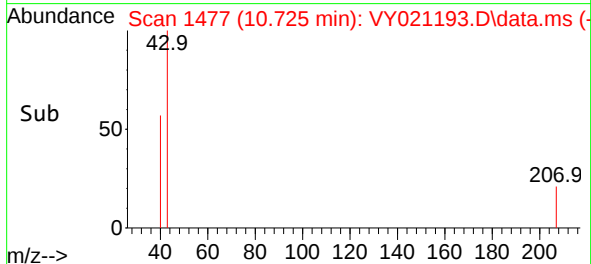
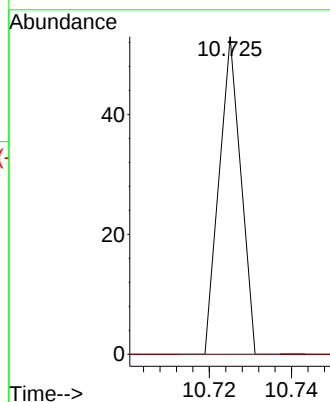


#59
2-Hexanone
Concen: 3.162 ug/l
RT: 10.725 min Scan# 1477
Delta R.T. -0.043 min
Lab File: VY021193.D
Acq: 13 Feb 2025 16:05

Instrument :
MSVOA_Y
ClientSampleId :

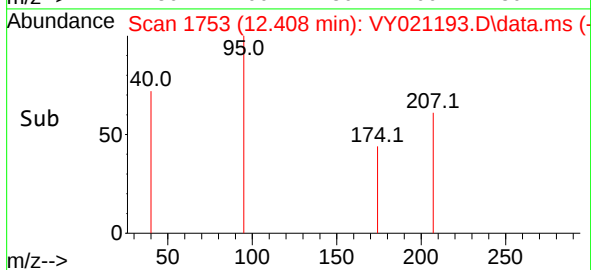
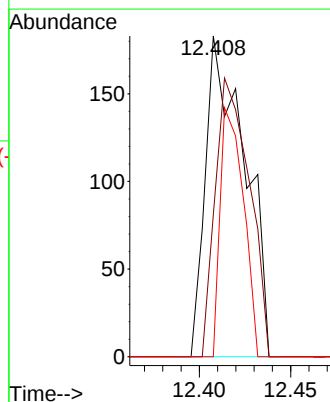
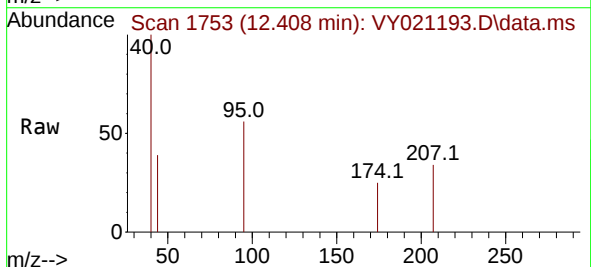


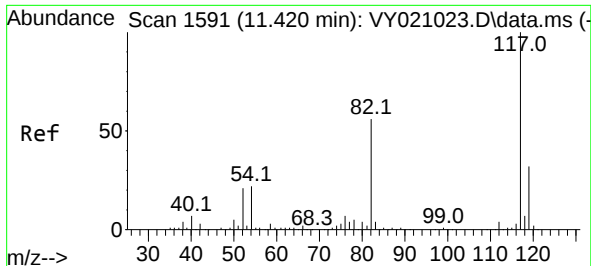
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 15.270 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021193.D
Acq: 13 Feb 2025 16:05

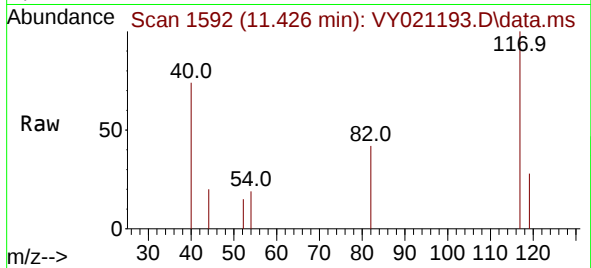
Tgt Ion: 95 Resp: 273
Ion Ratio Lower Upper
95 100
174 75.5 0.0 160.0
176 45.8 0.0 151.8



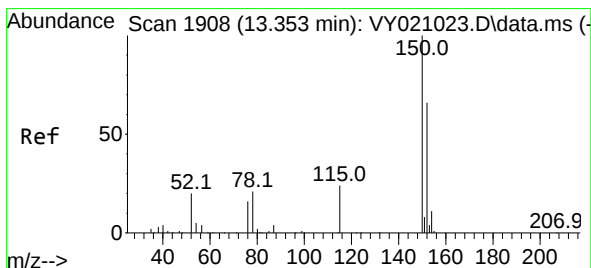
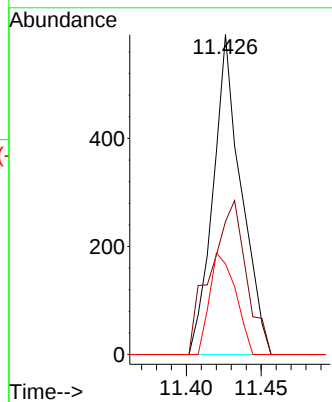
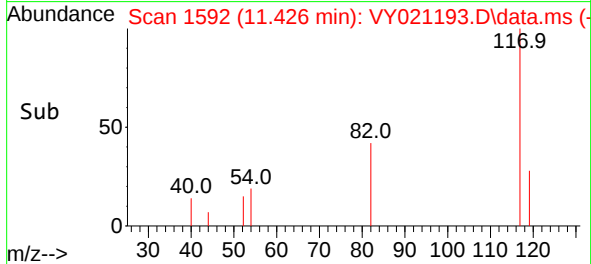


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021193.D
Acq: 13 Feb 2025 16:05

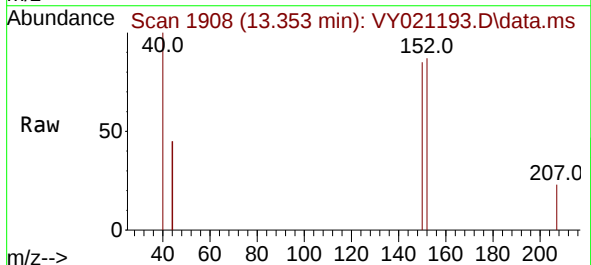
Instrument :
MSVOA_Y
ClientSampleId :



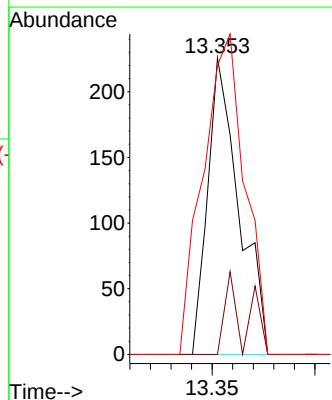
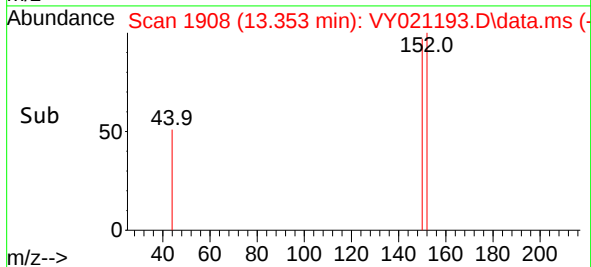
Tgt Ion:117 Resp: 773
Ion Ratio Lower Upper
117 100
82 41.6 43.8 65.8#
119 28.4 26.5 39.7

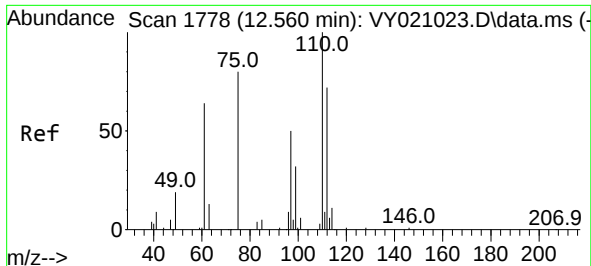


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021193.D
Acq: 13 Feb 2025 16:05



Tgt Ion:152 Resp: 239
Ion Ratio Lower Upper
152 100
115 17.6 30.0 90.0#
150 143.9 0.0 344.6

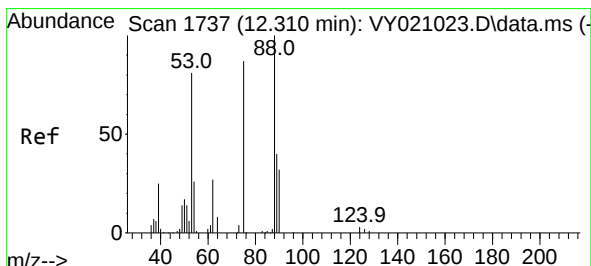
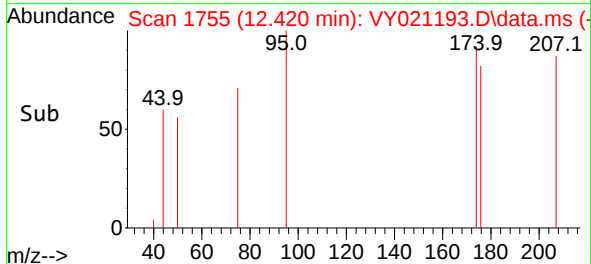
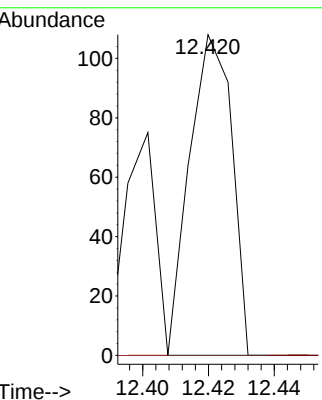
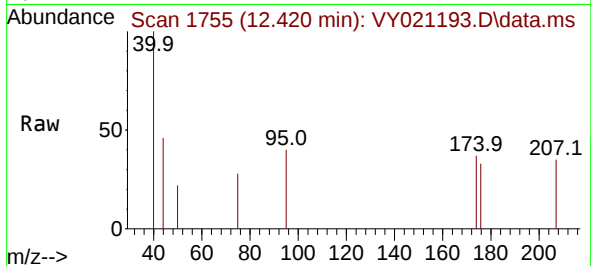




#76
1,2,3-Trichloropropane
Concen: 44.741 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. -0.140 min
Lab File: VY021193.D
Acq: 13 Feb 2025 16:05

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 97
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 46.117 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.091 min
Lab File: VY021193.D
Acq: 13 Feb 2025 16:05

Tgt Ion: 75 Resp: 49
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

