

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
 Data File : VY021063.D
 Acq On : 04 Feb 2025 17:00
 Operator : SY/MD
 Sample : Q1241-01
 Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 05 00:48:57 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)

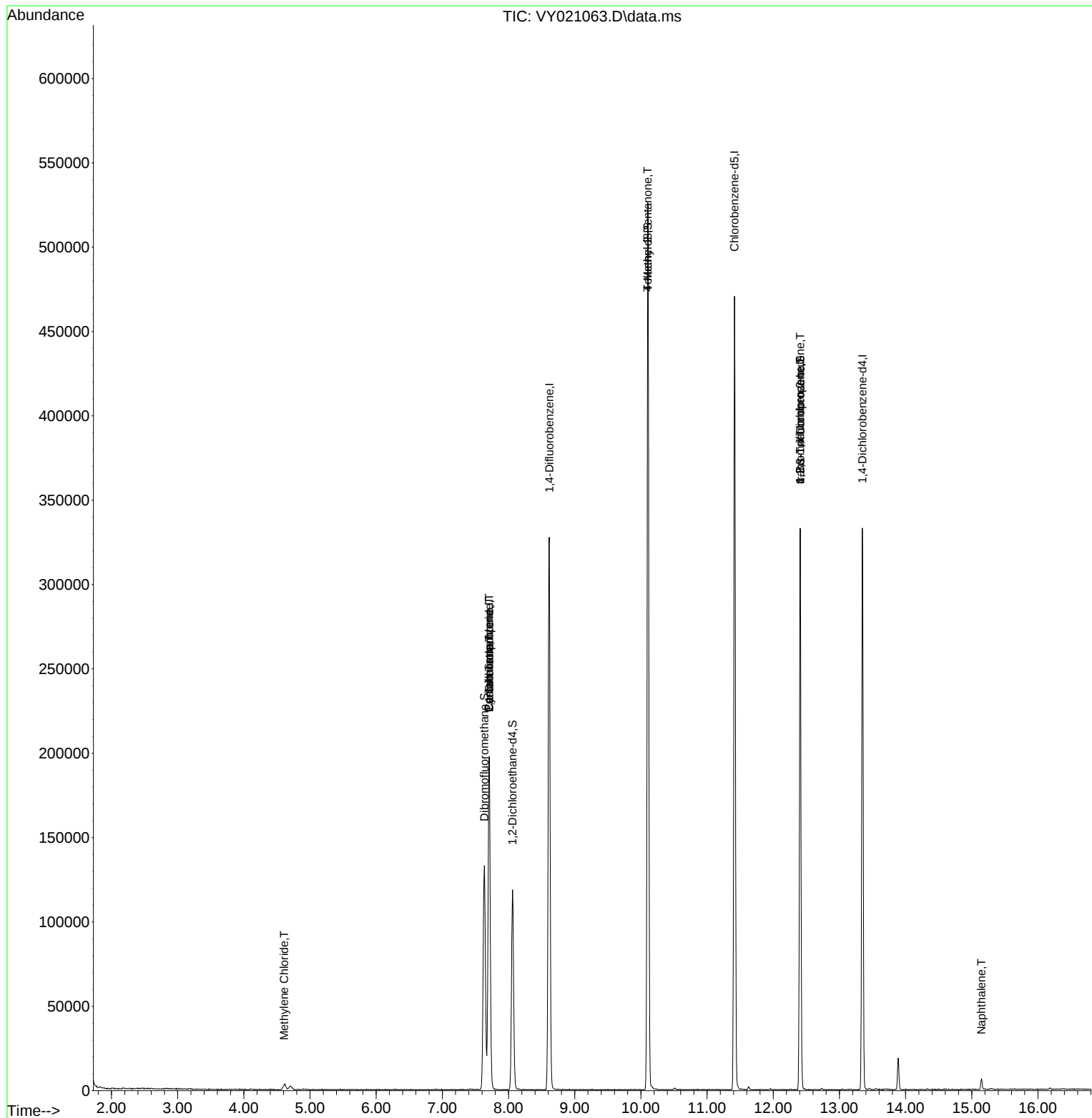
Internal Standards						
1) Pentafluorobenzene	7.707	168	148841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	277787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	241489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	81247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	94102	61.706	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.420%	
35) Dibromofluoromethane	7.634	113	93924	52.759	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.520%	
50) Toluene-d8	10.103	98	338200	49.900	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.800%	
62) 4-Bromofluorobenzene	12.408	95	94037	42.470	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.940%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	2127	1.439	ug/l	95
31) Cyclohexane	7.707	56	3217	1.237	ug/l #	4
36) 1,1-Dichloropropene	7.707	75	12163	4.613	ug/l #	50
38) Carbon Tetrachloride	7.707	117	15312	4.970	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	1739	1.505	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	51851	70.353	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	51851	143.554	ug/l #	12
95) Naphthalene	15.145	128	4992	2.284	ug/l #	96

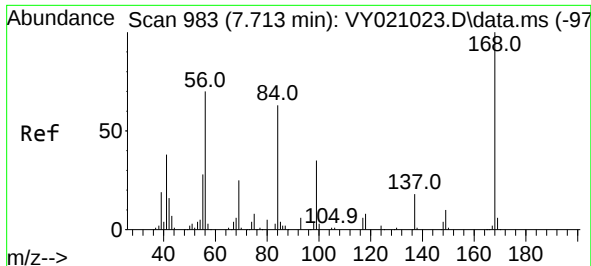
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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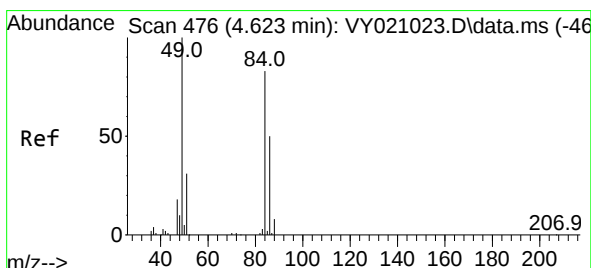
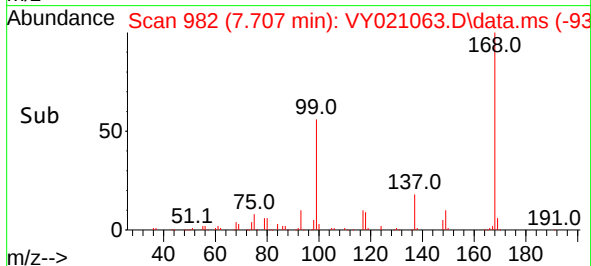
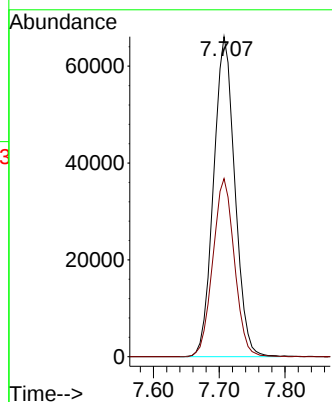
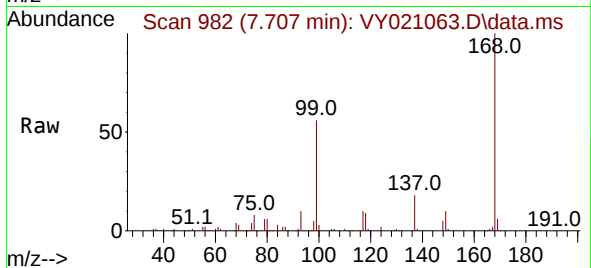




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

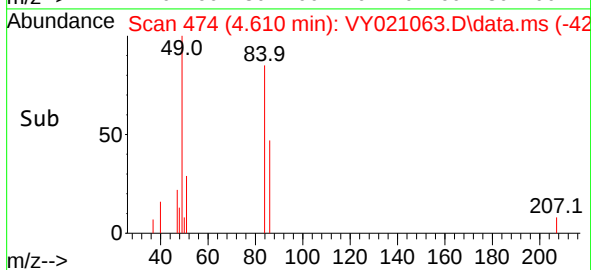
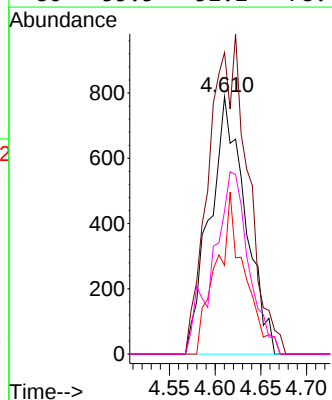
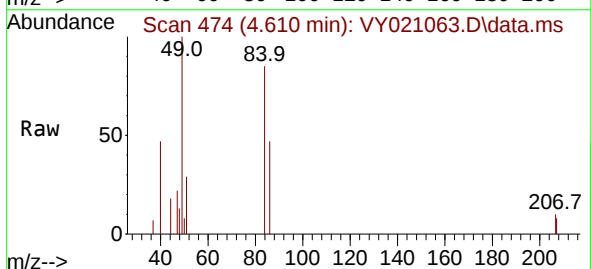
Instrument :
MSVOA_Y
ClientSampleId :

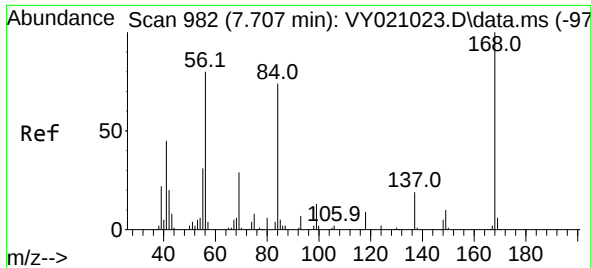
Tgt Ion:168 Resp: 148841
Ion Ratio Lower Upper
168 100
99 55.6 44.2 66.4



#20
Methylene Chloride
Concen: 1.439 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

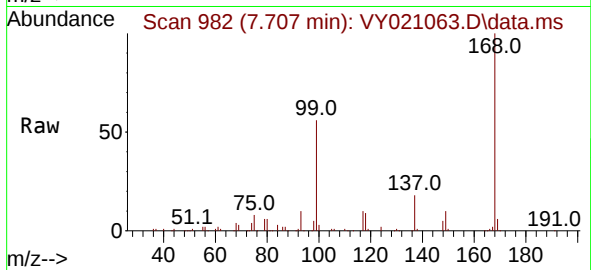
Tgt Ion: 84 Resp: 2127
Ion Ratio Lower Upper
84 100
49 117.1 95.2 142.8
51 34.5 29.9 44.9
86 55.5 52.2 78.4



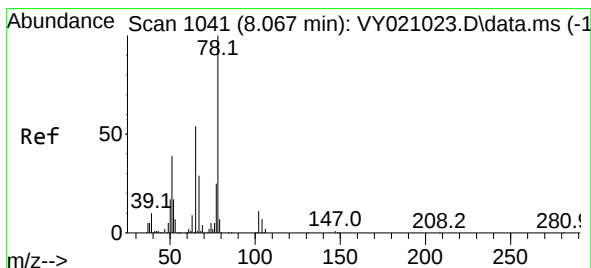
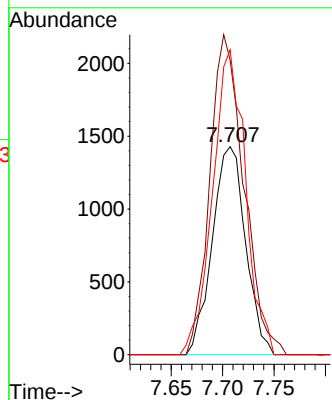
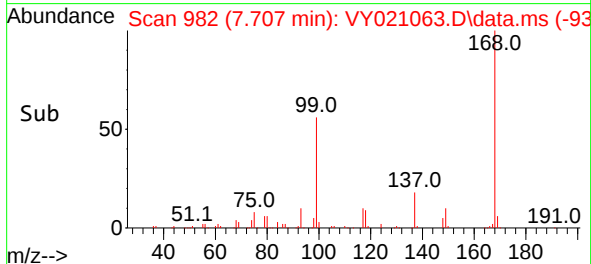


#31
Cyclohexane
Concen: 1.237 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

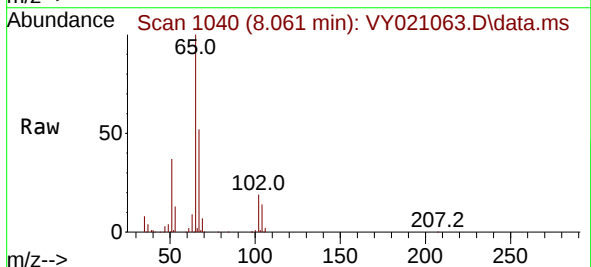
Instrument :
MSVOA_Y
ClientSampleId :



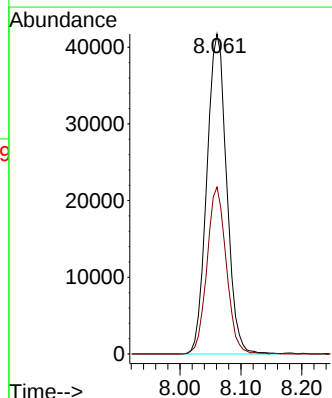
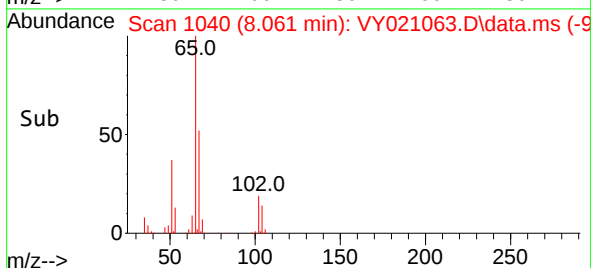
Tgt Ion: 56 Resp: 3217
Ion Ratio Lower Upper
56 100
69 141.7 27.0 40.6#
84 146.6 71.8 107.6#

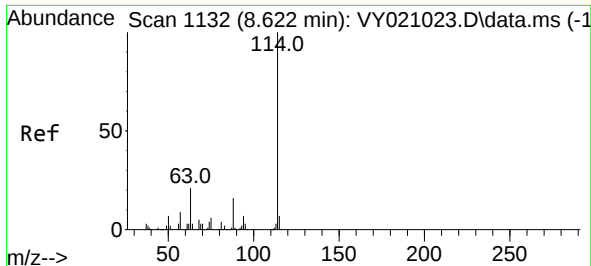


#33
1,2-Dichloroethane-d4
Concen: 61.706 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00



Tgt Ion: 65 Resp: 94102
Ion Ratio Lower Upper
65 100
67 50.8 0.0 109.0

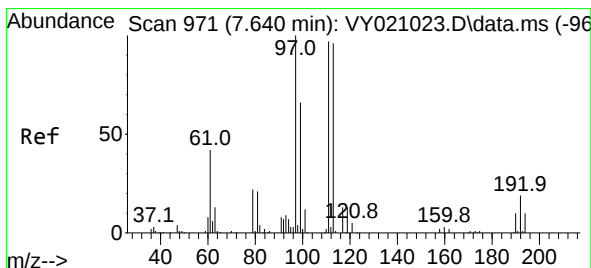
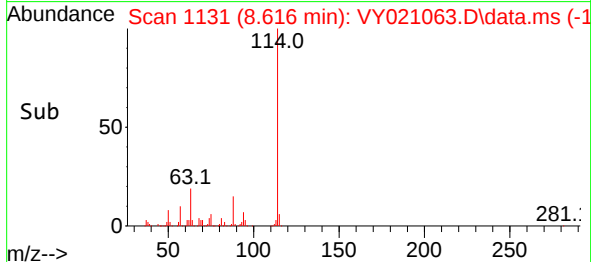
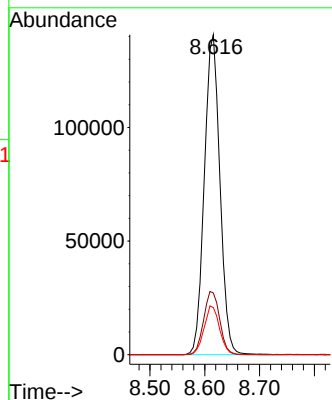
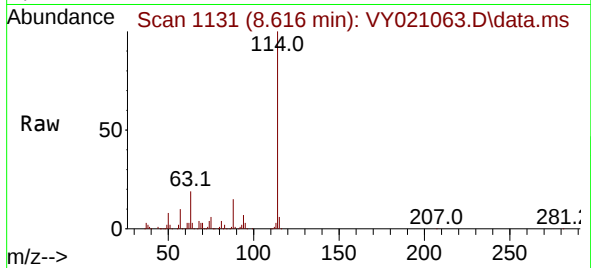




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

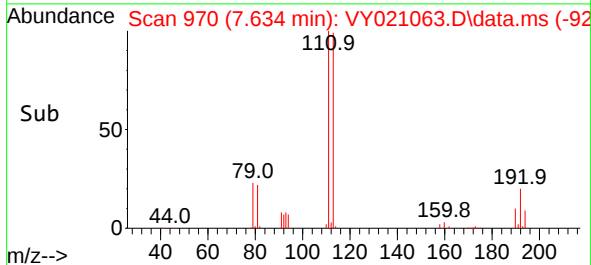
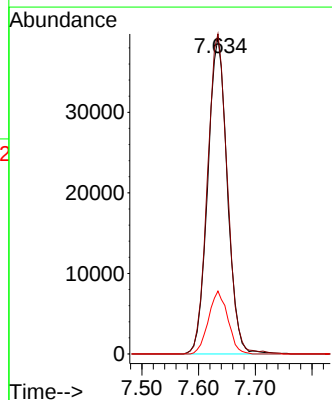
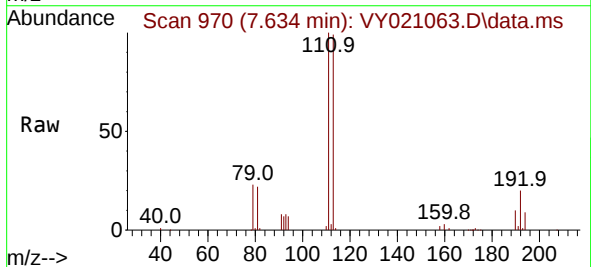
Instrument :
MSVOA_Y
ClientSampleId :

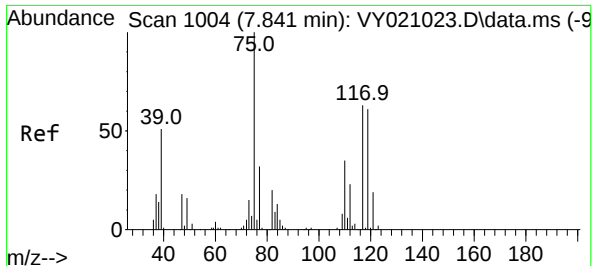
Tgt Ion:114 Resp: 277787
Ion Ratio Lower Upper
114 100
63 19.3 0.0 37.4
88 14.7 0.0 29.0



#35
Dibromofluoromethane
Concen: 52.759 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

Tgt Ion:113 Resp: 93924
Ion Ratio Lower Upper
113 100
111 102.5 83.8 125.6
192 19.7 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.613 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021063.D

Acq: 04 Feb 2025 17:00

Instrument :

MSVOA_Y

ClientSampleId :

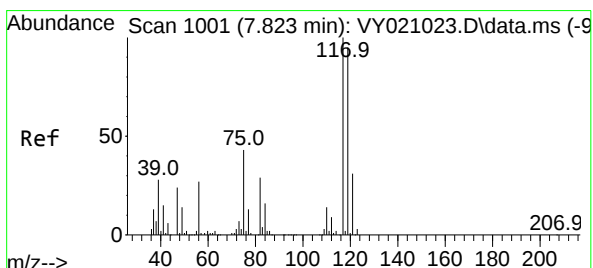
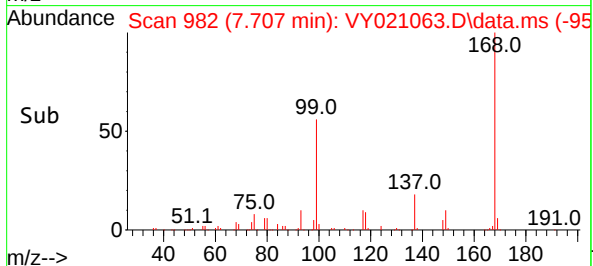
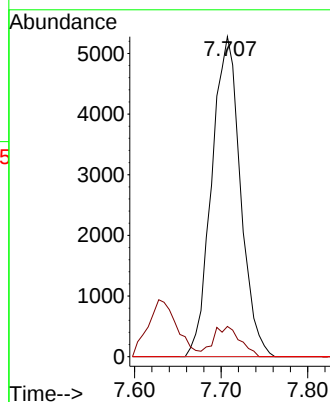
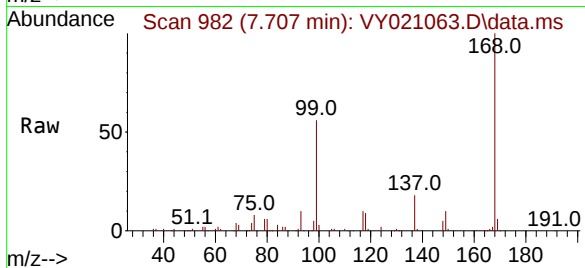
Tgt Ion: 75 Resp: 12163

Ion Ratio Lower Upper

75 100

110 8.8 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.970 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021063.D

Acq: 04 Feb 2025 17:00

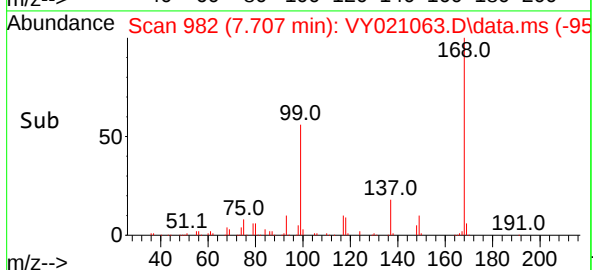
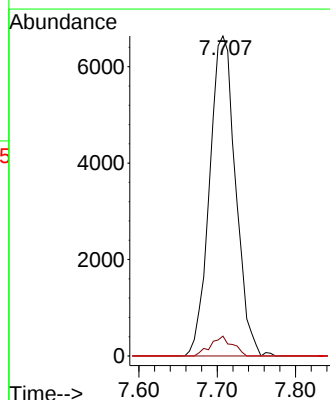
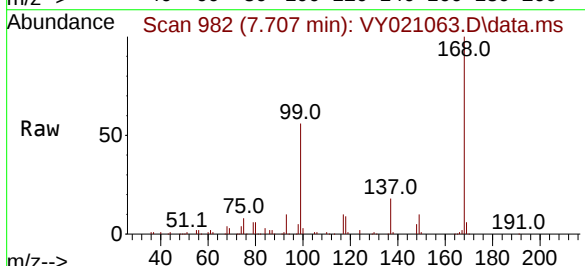
Tgt Ion: 117 Resp: 15312

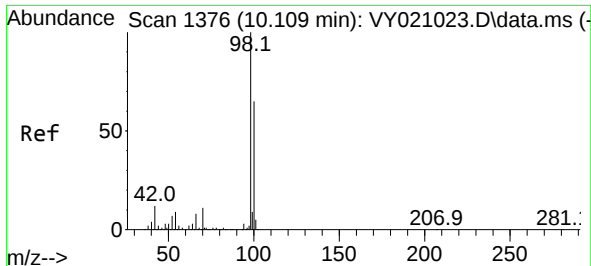
Ion Ratio Lower Upper

117 100

119 6.2 76.0 114.0#

121 0.0 24.2 36.2#

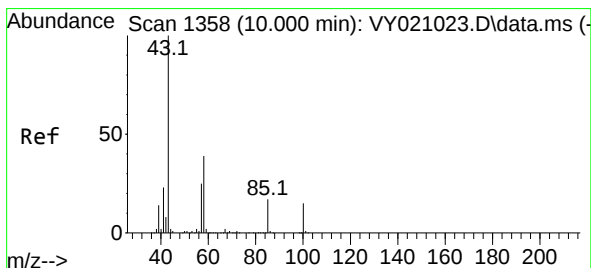
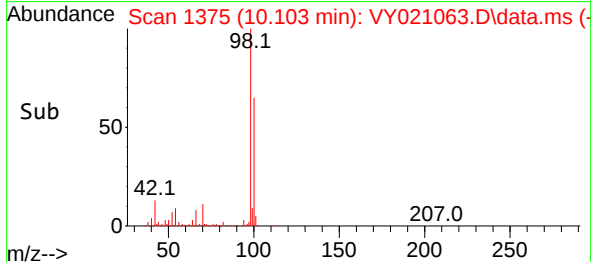
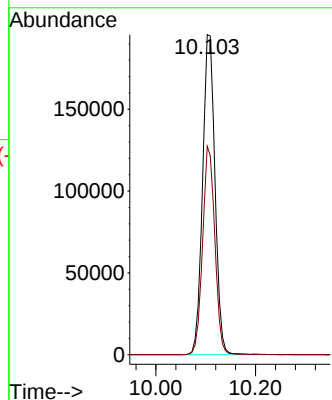
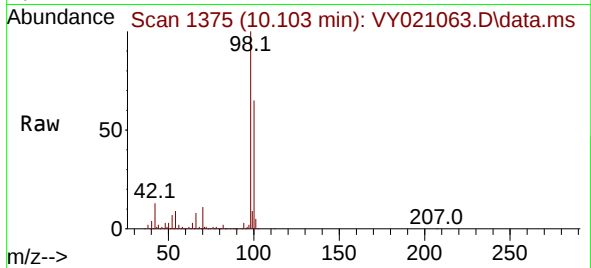




#50
Toluene-d8
Concen: 49.900 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

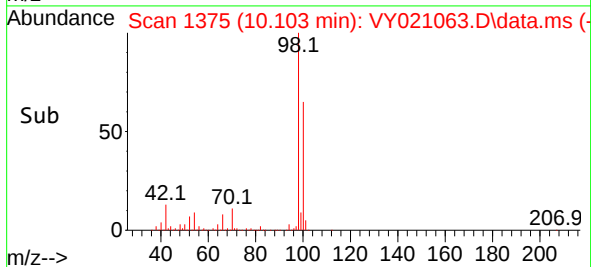
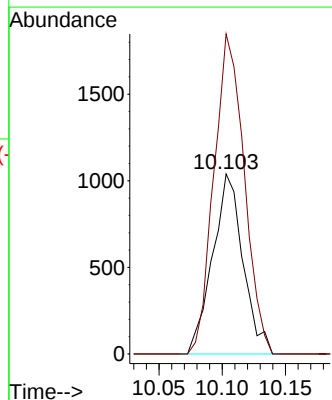
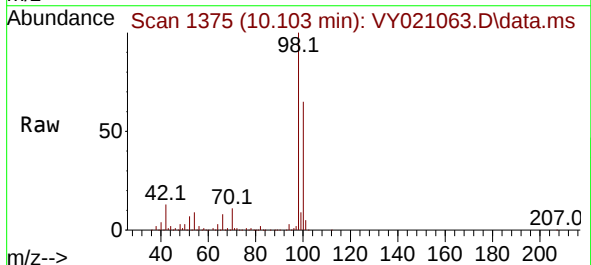
Instrument :
MSVOA_Y
ClientSampleId :

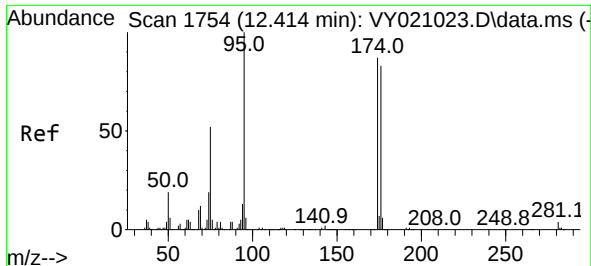
Tgt Ion: 98 Resp: 338200
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.505 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

Tgt Ion: 43 Resp: 1739
Ion Ratio Lower Upper
43 100
58 176.8 32.2 48.2#

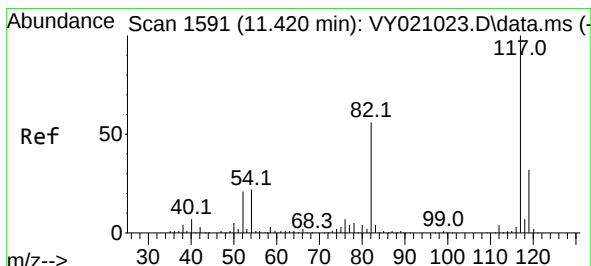
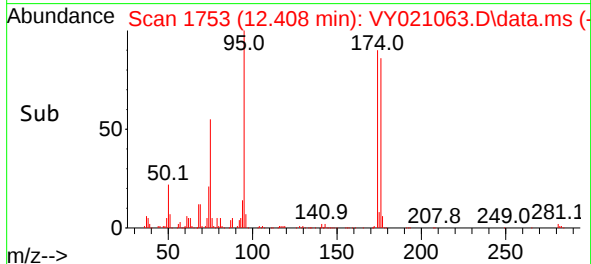
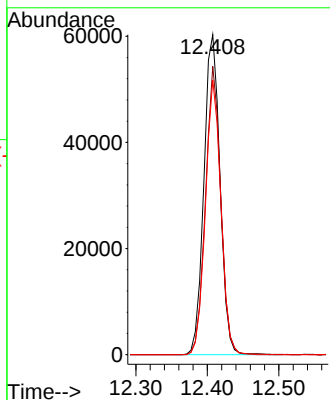
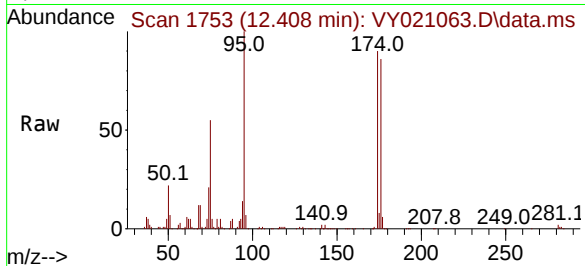




#62
4-Bromofluorobenzene
Concen: 42.470 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

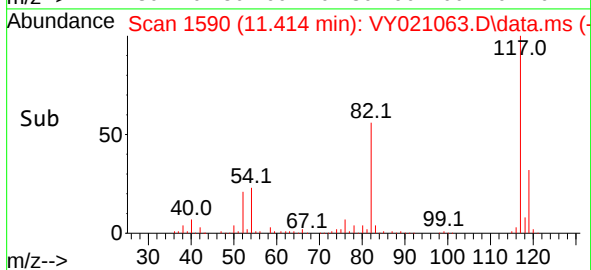
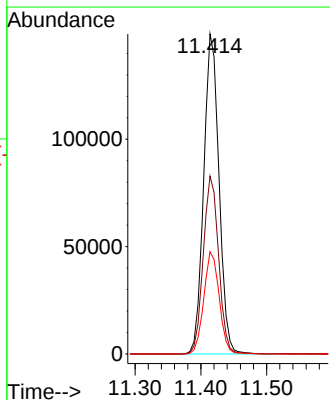
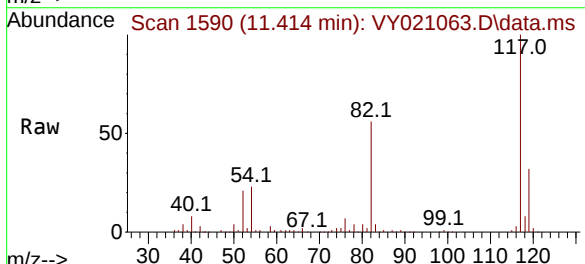
Instrument :
MSVOA_Y
ClientSampleId :

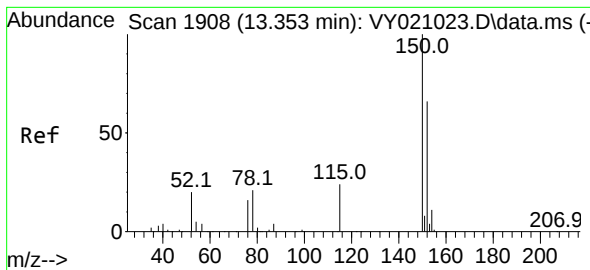
Tgt Ion:	95	Resp:	94037
Ion Ratio	Lower	Upper	
95	100		
174	86.0	0.0	160.0
176	82.6	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

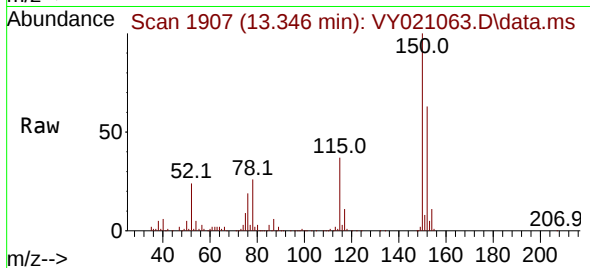
Tgt Ion:	117	Resp:	241489
Ion Ratio	Lower	Upper	
117	100		
82	55.6	43.8	65.8
119	32.0	26.5	39.7



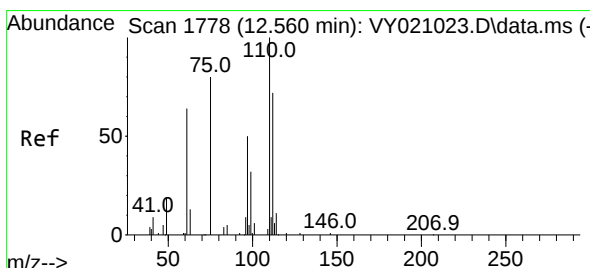
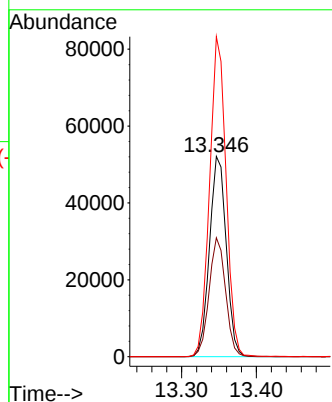
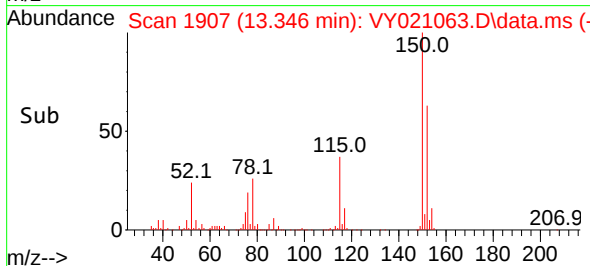


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021063.D
 Acq: 04 Feb 2025 17:00

Instrument :
 MSVOA_Y
 ClientSampleId :

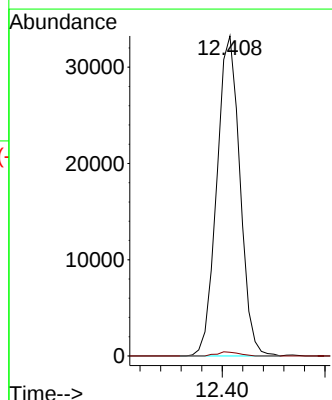
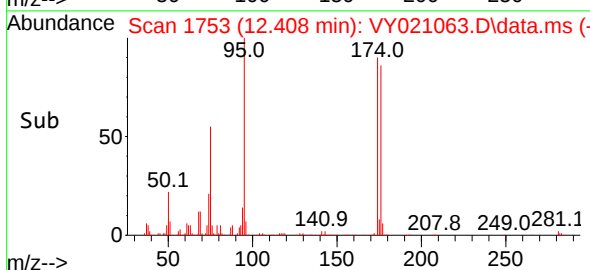
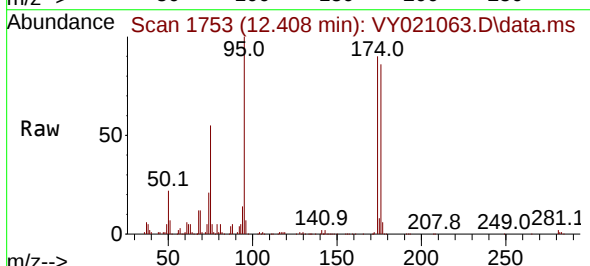


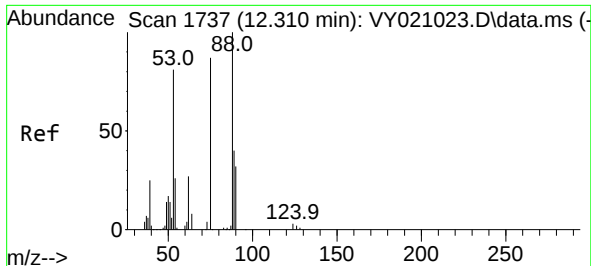
Tgt Ion:152 Resp: 81247
 Ion Ratio Lower Upper
 152 100
 115 58.3 30.0 90.0
 150 156.9 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 70.353 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.153 min
 Lab File: VY021063.D
 Acq: 04 Feb 2025 17:00

Tgt Ion: 75 Resp: 51851
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

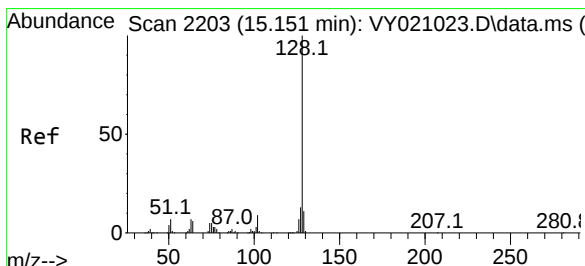
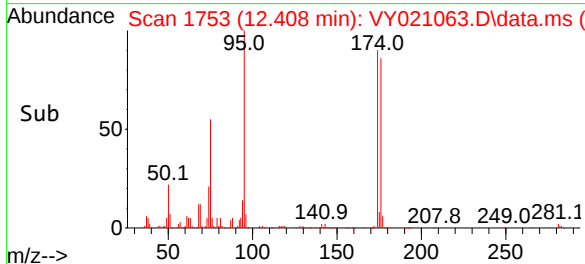
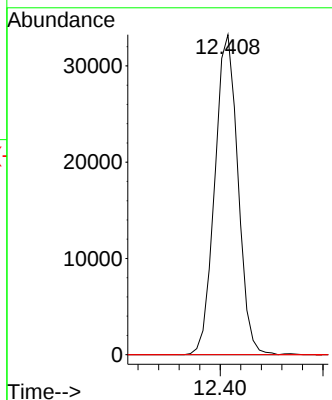
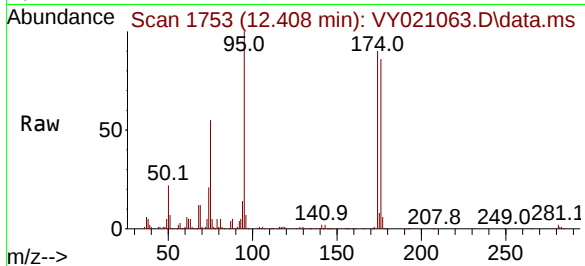




#81
trans-1,4-Dichloro-2-butene
Concen: 143.554 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 51851
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 2.284 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021063.D
Acq: 04 Feb 2025 17:00

Tgt Ion: 128 Resp: 4992
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 13.4 8.6 12.8#

