

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021124.D
 Acq On : 06 Feb 2025 20:16
 Operator : SY/MD
 Sample : Q1309-23
 Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 02:37:42 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)

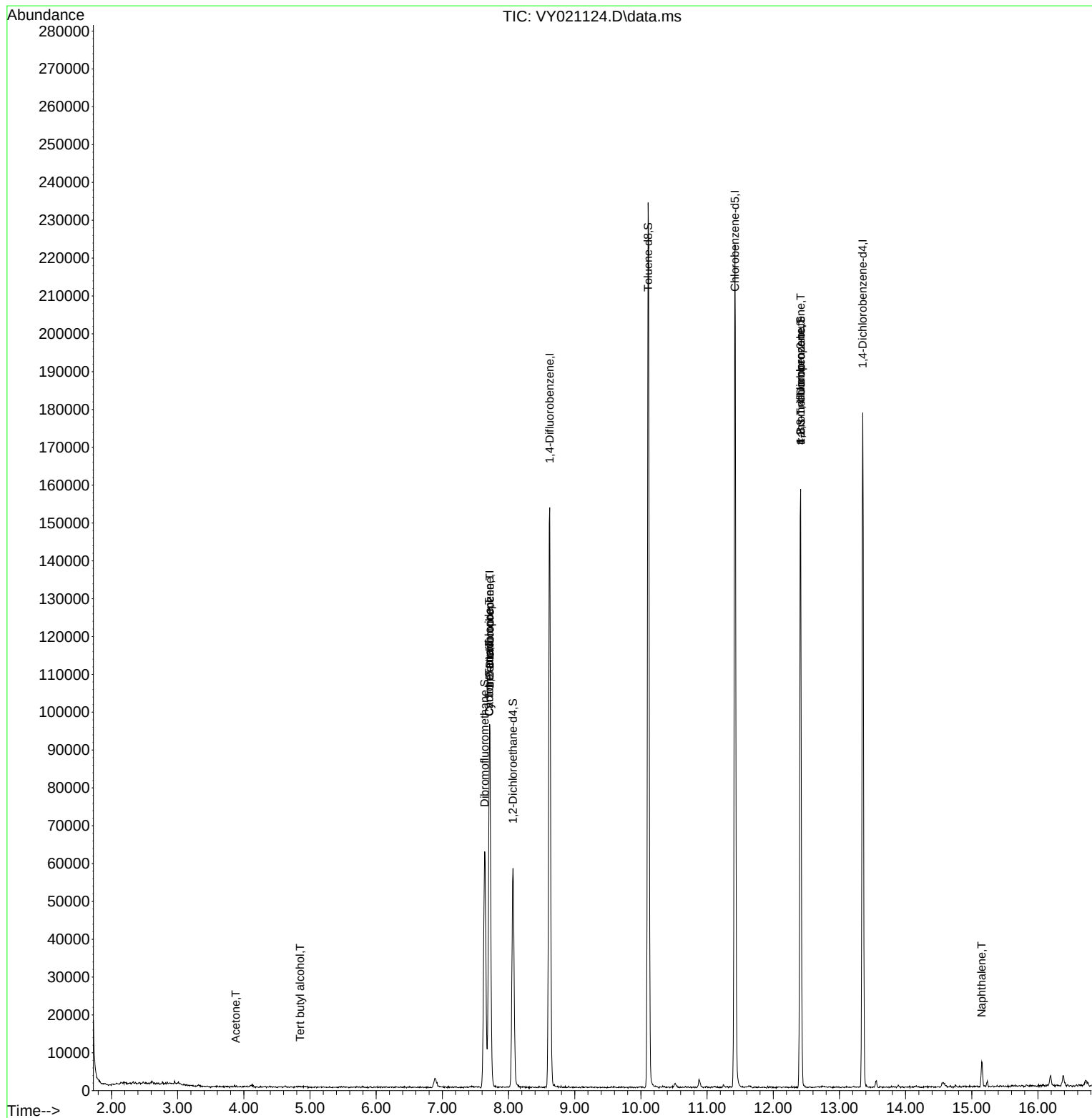
Internal Standards						
1) Pentafluorobenzene	7.713	168	73962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	129918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	116099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	45399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48185	63.585	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.180%			
35) Dibromofluoromethane	7.640	113	45114	54.184	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.360%			
50) Toluene-d8	10.109	98	153735	48.500	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.000%			
62) 4-Bromofluorobenzene	12.414	95	48732	47.059	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.120%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	319	6.212	ug/l #	75
16) Acetone	3.879	43	446	3.774	ug/l	100
31) Cyclohexane	7.707	56	1475	1.141	ug/l #	1
36) 1,1-Dichloropropene	7.719	75	6190	5.019	ug/l #	49
38) Carbon Tetrachloride	7.707	117	7543	5.235	ug/l #	17
76) 1,2,3-Trichloropropane	12.414	75	26293	63.845	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	26293	130.275	ug/l #	12
95) Naphthalene	15.151	128	5590	4.577	ug/l	98

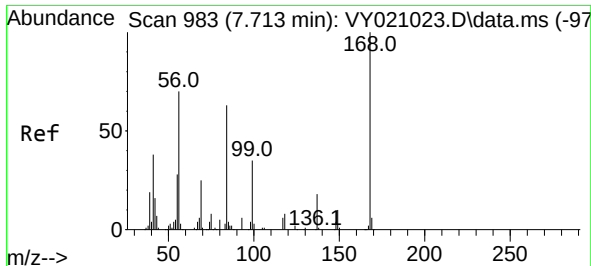
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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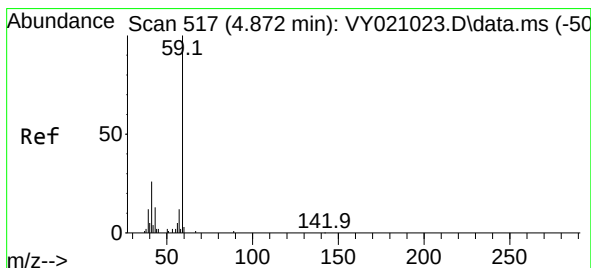
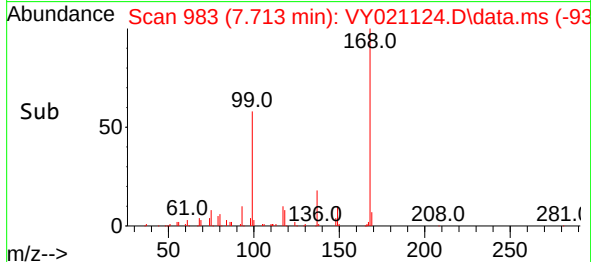
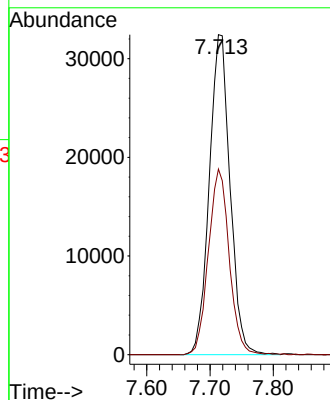
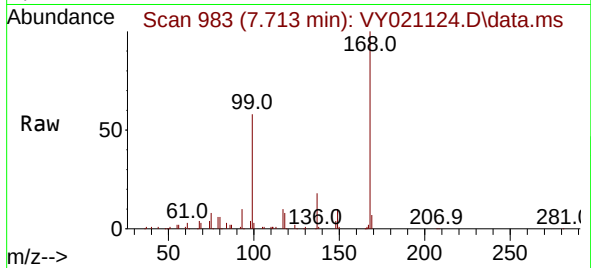




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021124.D
Acq: 06 Feb 2025 20:16

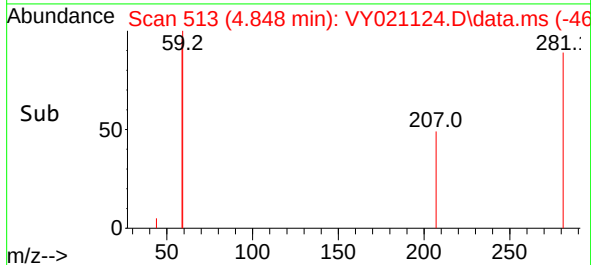
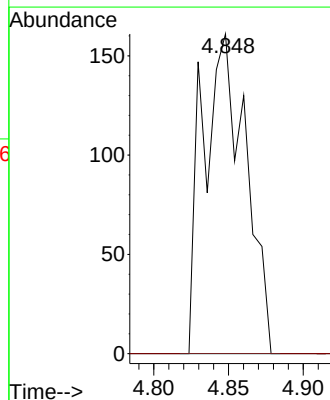
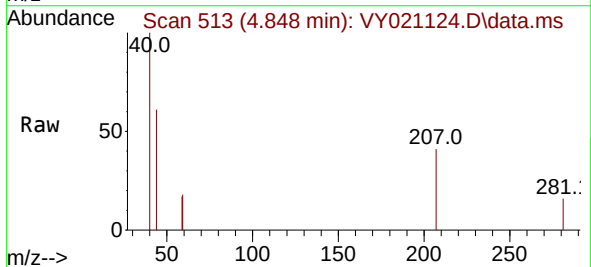
Instrument :
MSVOA_Y
ClientSampleId :

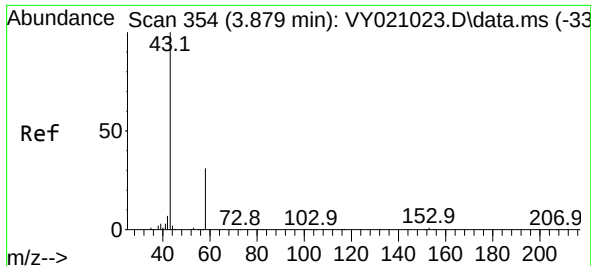
Tgt Ion:168 Resp: 73962
Ion Ratio Lower Upper
168 100
99 58.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 6.212 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.025 min
Lab File: VY021124.D
Acq: 06 Feb 2025 20:16

Tgt Ion: 59 Resp: 319
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 3.774 ug/l

RT: 3.879 min Scan# 31

Delta R.T. -0.000 min

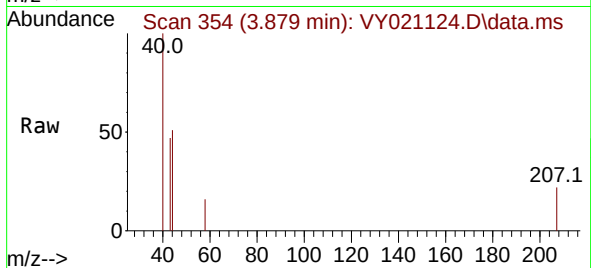
Lab File: VY021124.D

Acq: 06 Feb 2025 20:16

Instrument :

MSVOA_Y

ClientSampleId :

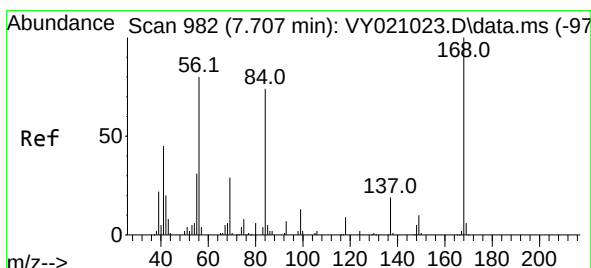
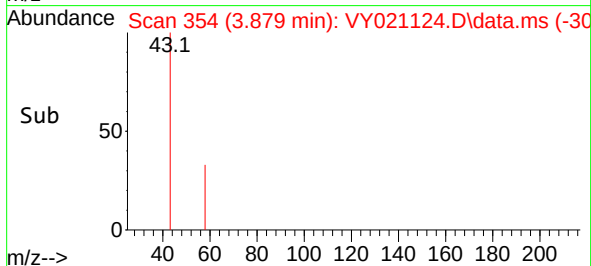
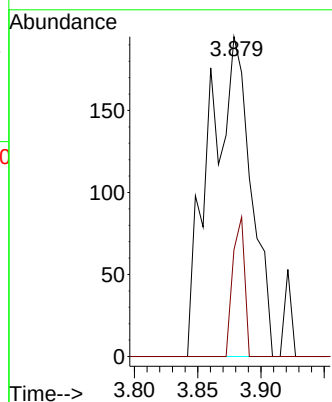


Tgt Ion: 43 Resp: 446

Ion Ratio Lower Upper

43 100

58 33.3 26.6 39.8



#31

Cyclohexane

Concen: 1.141 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.000 min

Lab File: VY021124.D

Acq: 06 Feb 2025 20:16

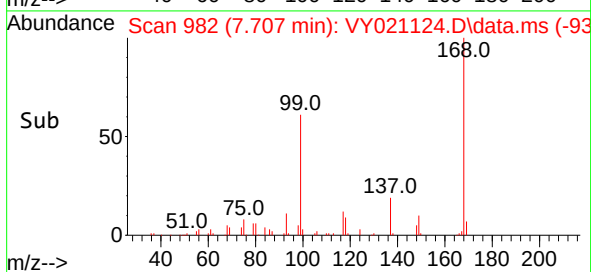
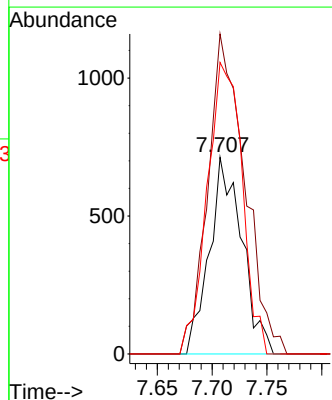
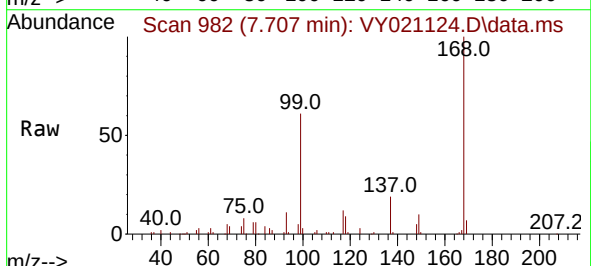
Tgt Ion: 56 Resp: 1475

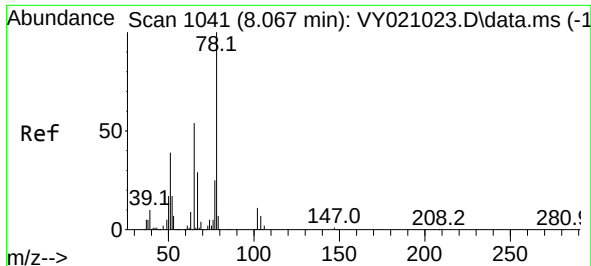
Ion Ratio Lower Upper

56 100

69 162.7 27.0 40.6#

84 148.2 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 63.585 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY021124.D

Acq: 06 Feb 2025 20:16

Instrument :

MSVOA_Y

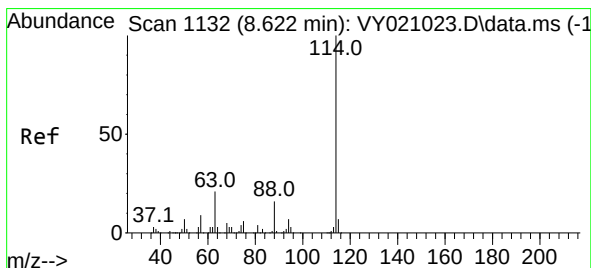
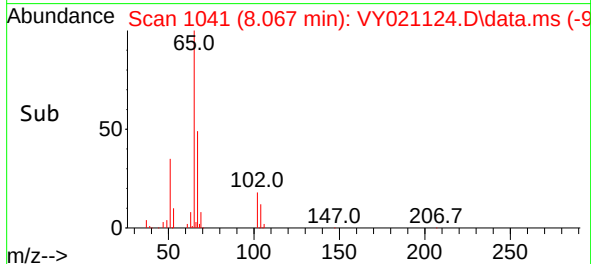
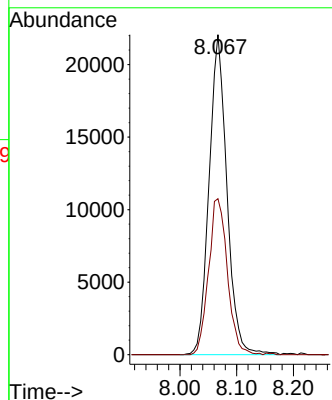
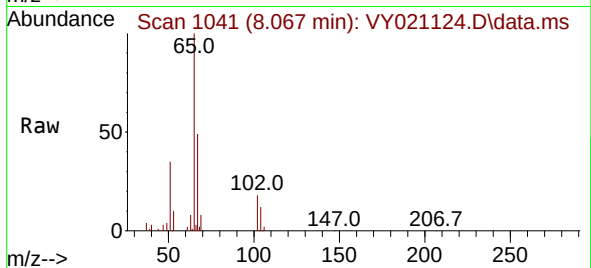
ClientSampleId :

Tgt Ion: 65 Resp: 48185

Ion Ratio Lower Upper

65 100

67 51.5 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: VY021124.D

Acq: 06 Feb 2025 20:16

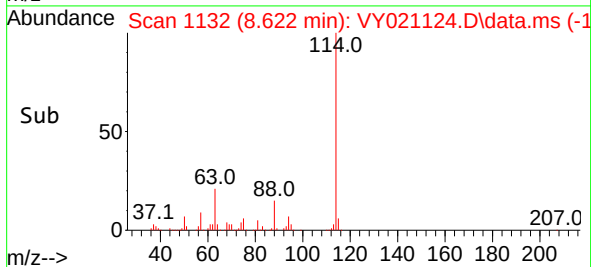
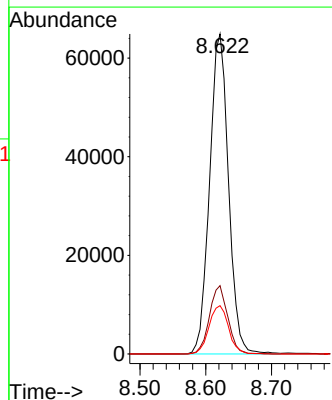
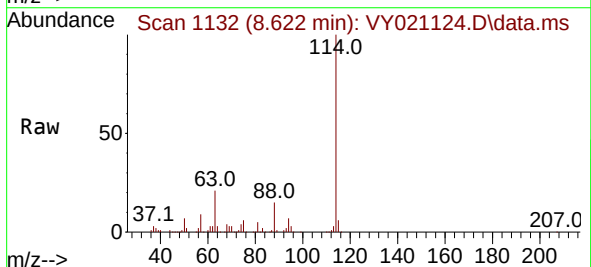
Tgt Ion: 114 Resp: 129918

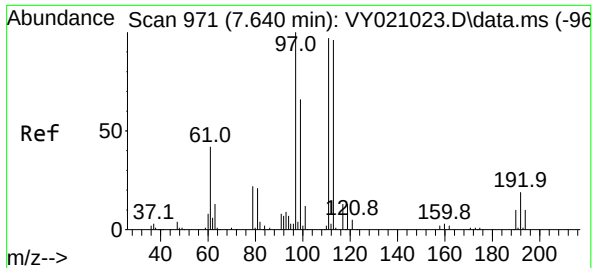
Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.4

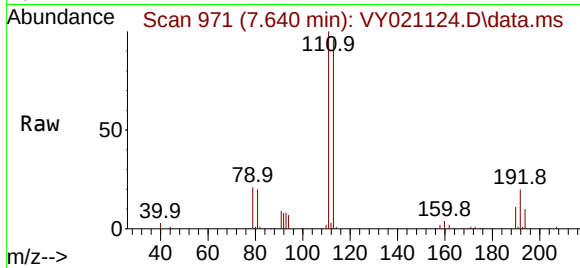
88 15.1 0.0 29.0



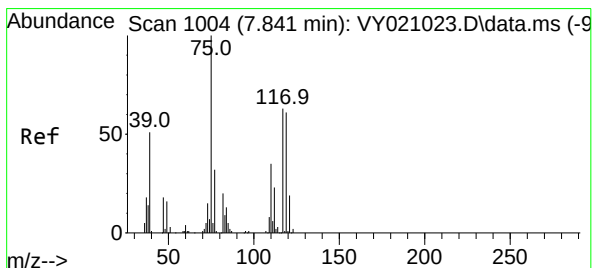
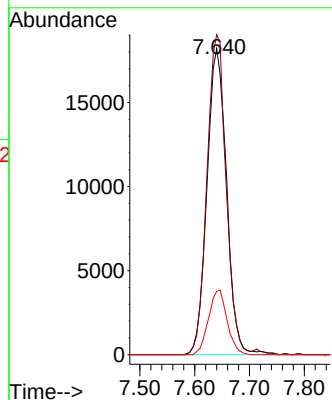
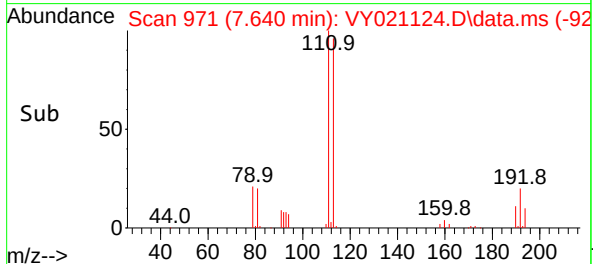


#35
Dibromofluoromethane
Concen: 54.184 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021124.D
Acq: 06 Feb 2025 20:16

Instrument :
MSVOA_Y
ClientSampleId :

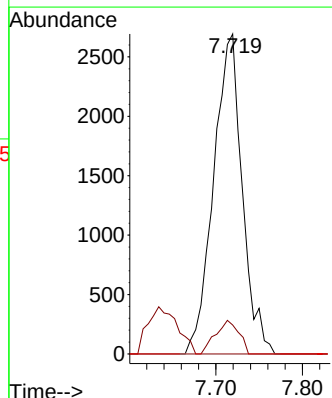
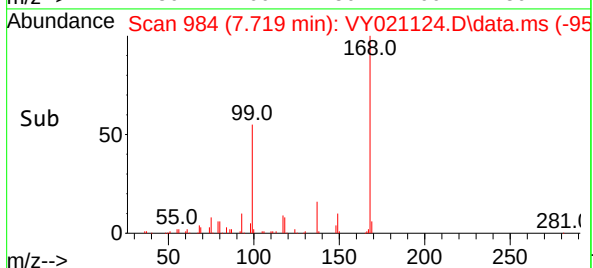
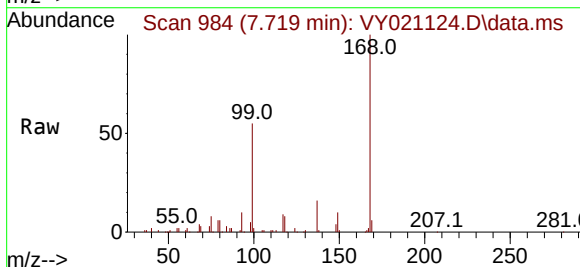


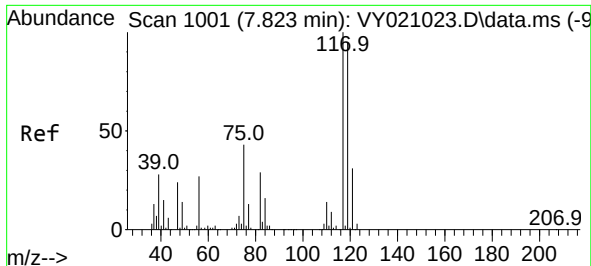
Tgt Ion:113 Resp: 45114
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.6
192 20.0 14.5 21.7



#36
1,1-Dichloropropene
Concen: 5.019 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.122 min
Lab File: VY021124.D
Acq: 06 Feb 2025 20:16

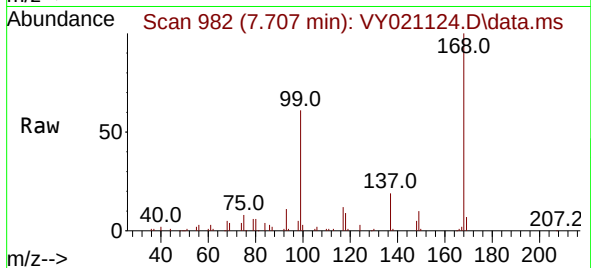
Tgt Ion: 75 Resp: 6190
Ion Ratio Lower Upper
75 100
110 8.5 17.4 52.3#
77 0.0 24.7 37.1#



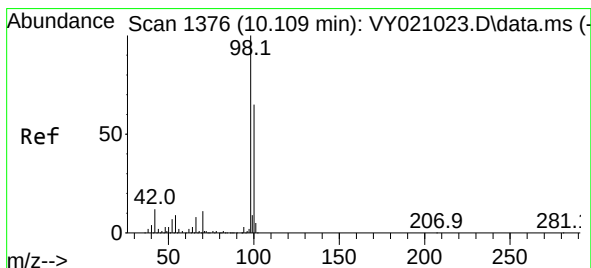
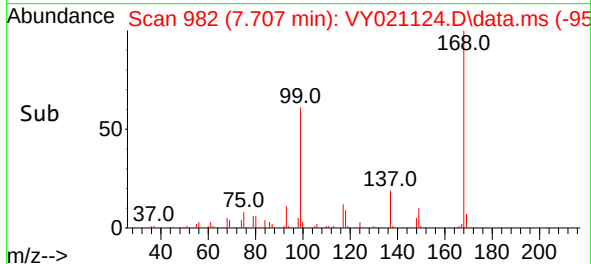
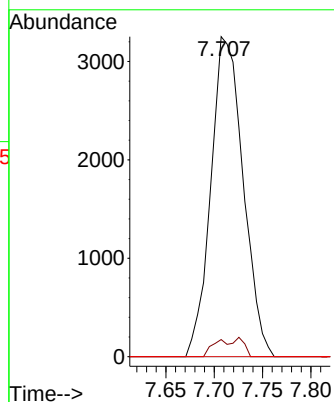


#38
Carbon Tetrachloride
Concen: 5.235 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021124.D
Acq: 06 Feb 2025 20:16

Instrument :
MSVOA_Y
ClientSampleId :

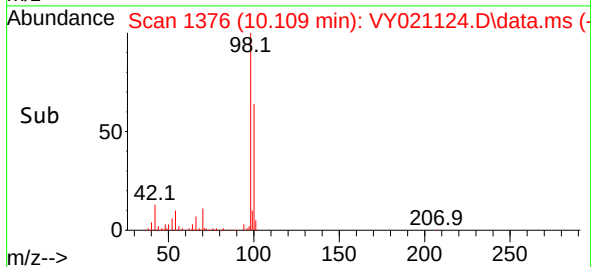
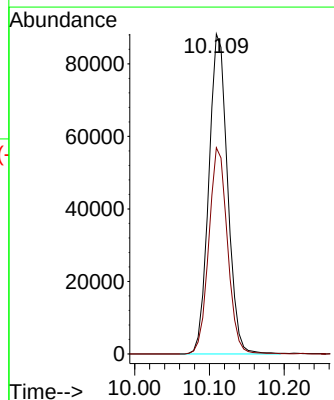
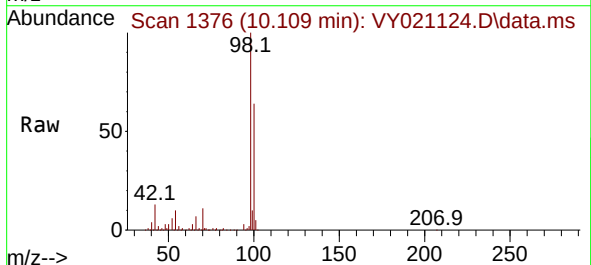


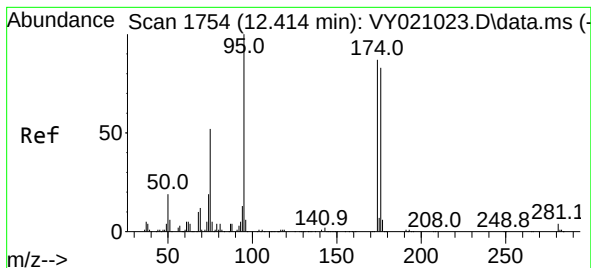
Tgt Ion:117 Resp: 7543
Ion Ratio Lower Upper
117 100
119 5.3 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.500 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021124.D
Acq: 06 Feb 2025 20:16

Tgt Ion: 98 Resp: 153735
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5

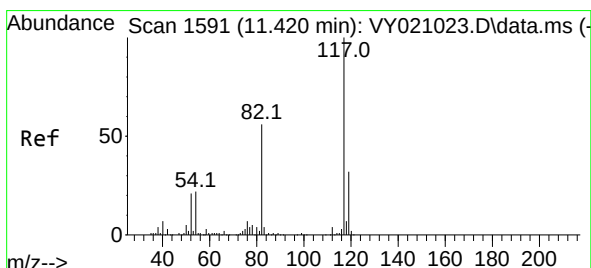
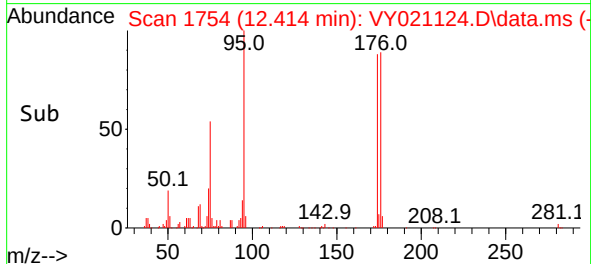
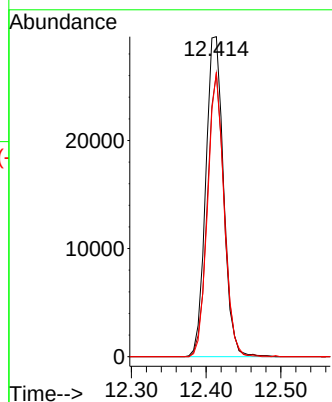
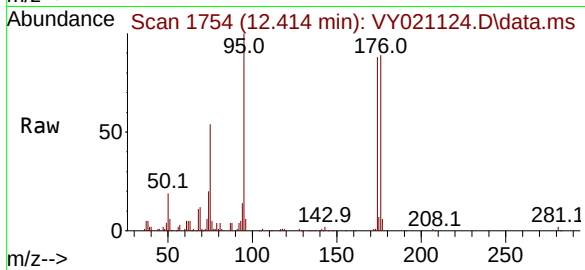




#62
4-Bromofluorobenzene
Concen: 47.059 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021124.D
Acq: 06 Feb 2025 20:16

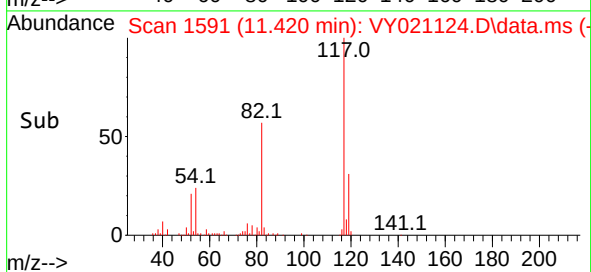
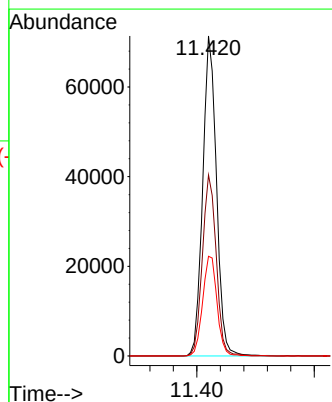
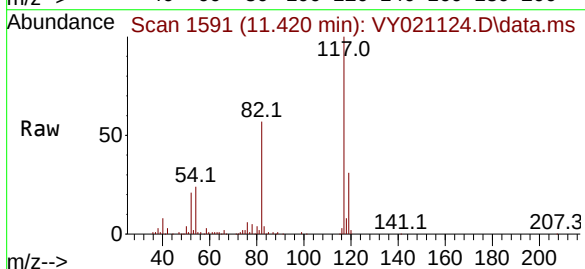
Instrument :
MSVOA_Y
ClientSampleId :

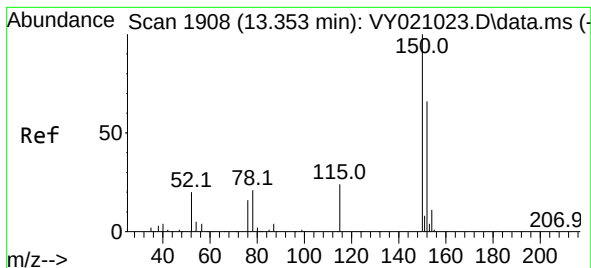
Tgt Ion: 95 Resp: 48732
Ion Ratio Lower Upper
95 100
174 83.9 0.0 160.0
176 82.3 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021124.D
Acq: 06 Feb 2025 20:16

Tgt Ion: 117 Resp: 116099
Ion Ratio Lower Upper
117 100
82 56.6 43.8 65.8
119 31.2 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

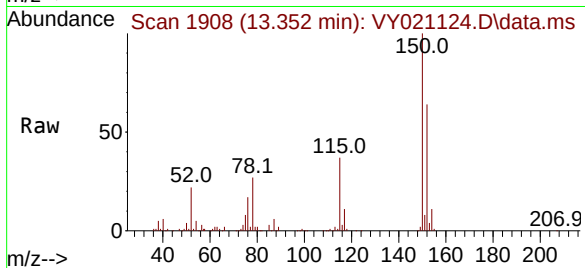
Lab File: VY021124.D

Acq: 06 Feb 2025 20:16

Instrument :

MSVOA_Y

ClientSampleId :



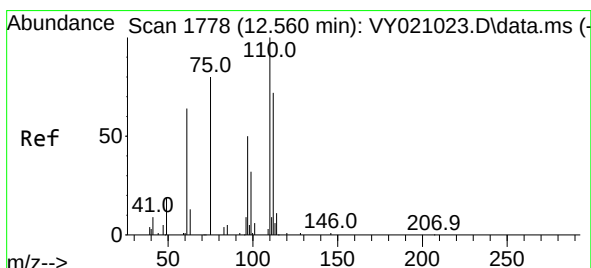
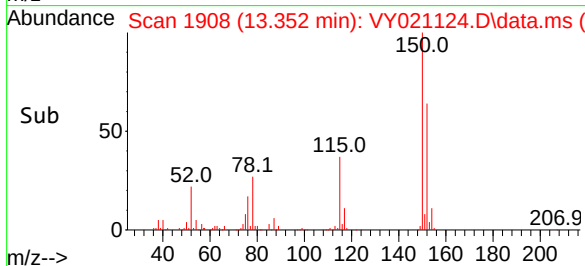
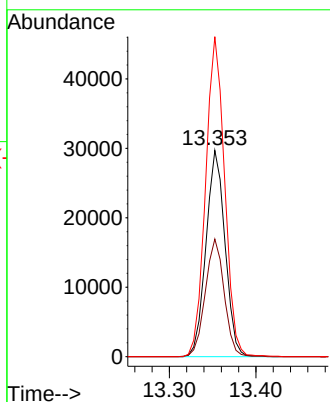
Tgt Ion:152 Resp: 45399

Ion Ratio Lower Upper

152 100

115 56.5 30.0 90.0

150 154.9 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 63.845 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY021124.D

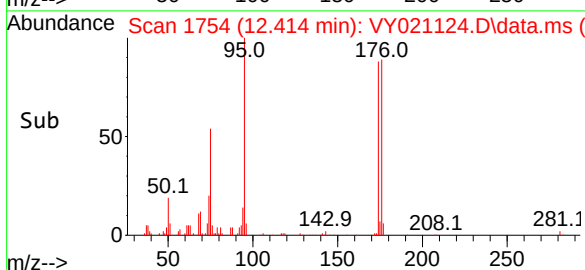
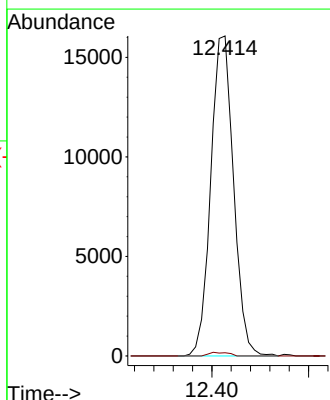
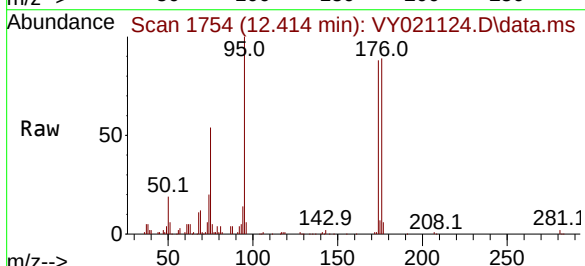
Acq: 06 Feb 2025 20:16

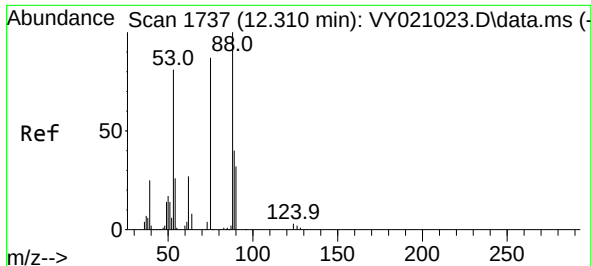
Tgt Ion: 75 Resp: 26293

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

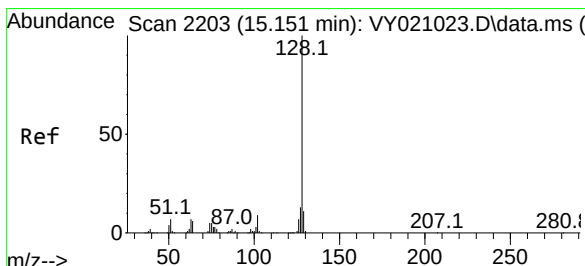
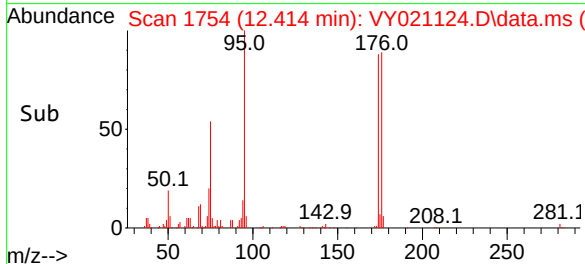
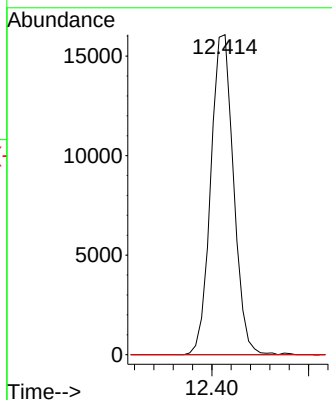
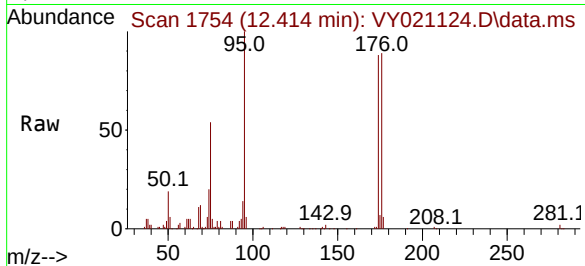




#81
trans-1,4-Dichloro-2-butene
Concen: 130.275 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.103 min
Lab File: VY021124.D
Acq: 06 Feb 2025 20:16

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 26293
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 4.577 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021124.D
Acq: 06 Feb 2025 20:16

Tgt Ion: 128 Resp: 5590
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.4
129 10.7 8.6 12.8

