

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021125.D
 Acq On : 06 Feb 2025 20:39
 Operator : SY/MD
 Sample : Q1299-03
 Misc : 4.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 02:38:00 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)

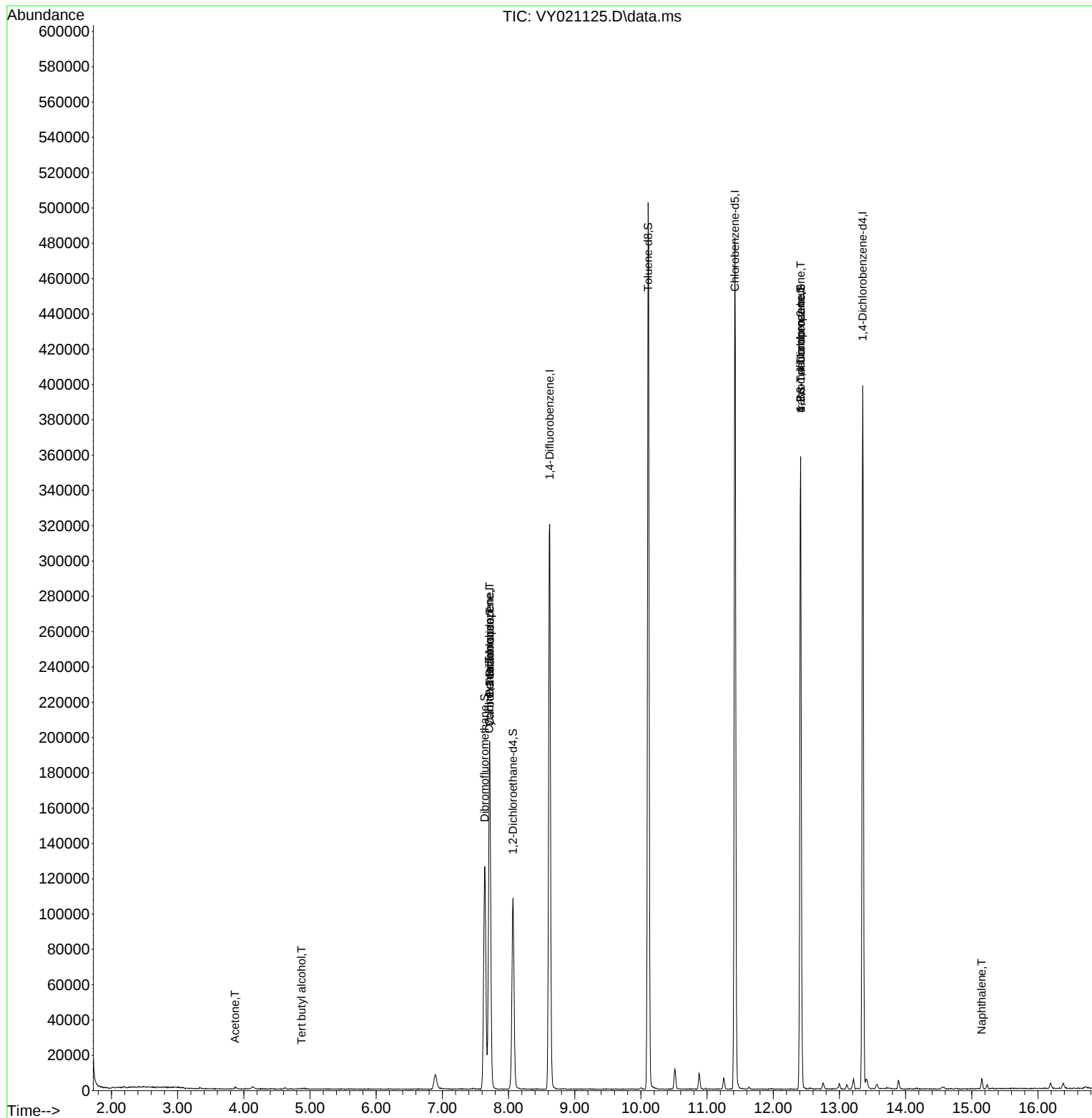
Internal Standards						
1) Pentafluorobenzene	7.713	168	149197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	270546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	246769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	97937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	85553	55.967	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.940%	
35) Dibromofluoromethane	7.640	113	89399	51.561	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.120%	
50) Toluene-d8	10.109	98	323833	49.059	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.120%	
62) 4-Bromofluorobenzene	12.414	95	103787	48.128	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.260%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	183	1.767	ug/l #	75
16) Acetone	3.866	43	1463	6.137	ug/l #	82
31) Cyclohexane	7.707	56	3085	1.183	ug/l #	2
36) 1,1-Dichloropropene	7.713	75	11717	4.562	ug/l #	49
38) Carbon Tetrachloride	7.719	117	14999	4.998	ug/l #	16
76) 1,2,3-Trichloropropane	12.414	75	56223	63.285	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	56223	129.132	ug/l #	12
95) Naphthalene	15.151	128	4448	1.688	ug/l	97

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

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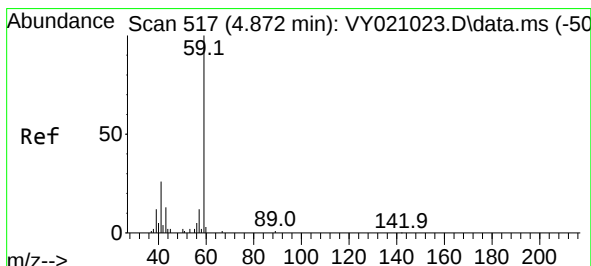
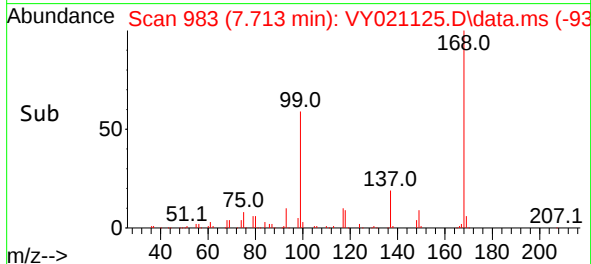
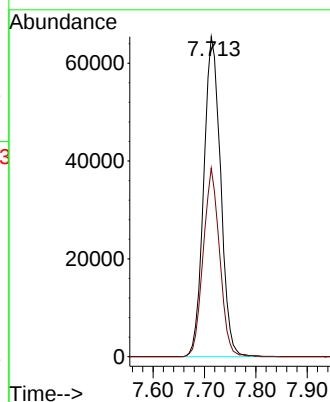
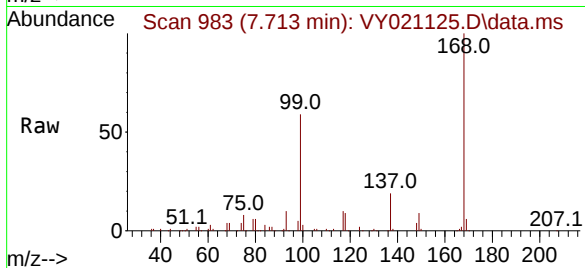




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY021125.D
Acq: 06 Feb 2025 20:39

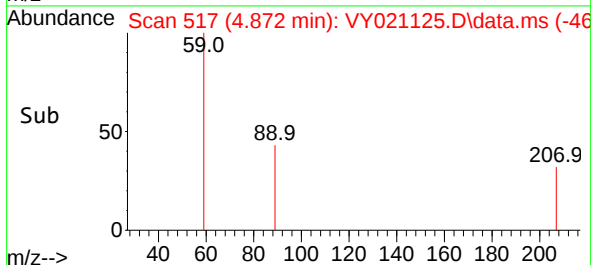
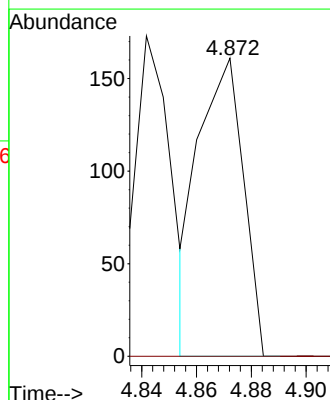
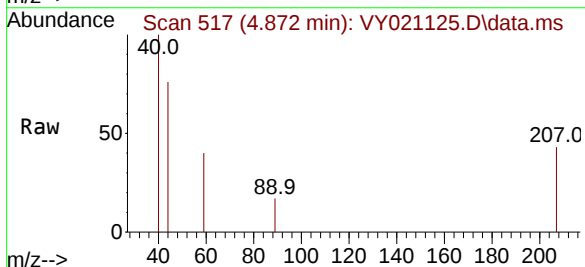
Instrument :
MSVOA_Y
ClientSampleId :

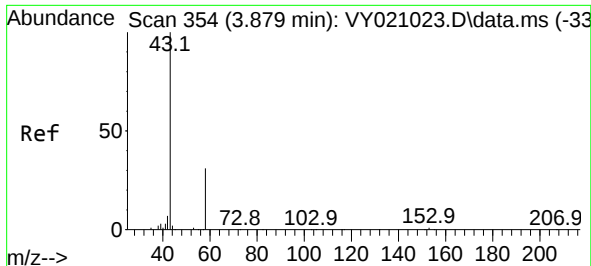
Tgt Ion:168 Resp: 149197
Ion Ratio Lower Upper
168 100
99 59.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.767 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.000 min
Lab File: VY021125.D
Acq: 06 Feb 2025 20:39

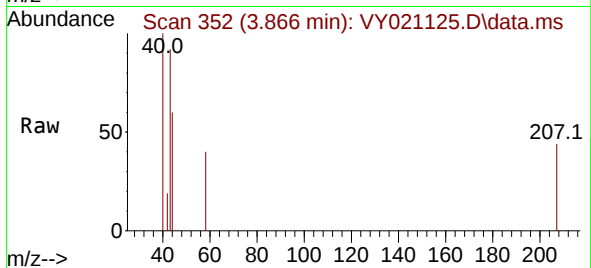
Tgt Ion: 59 Resp: 183
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



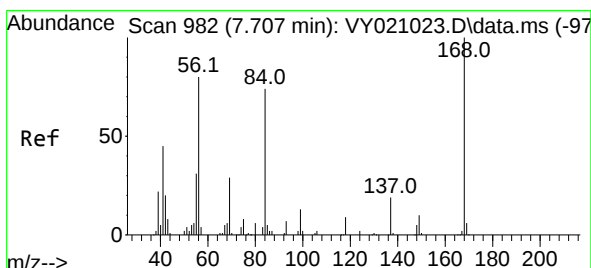
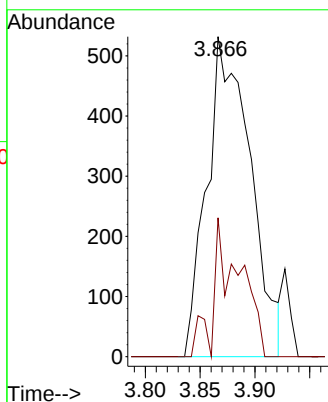
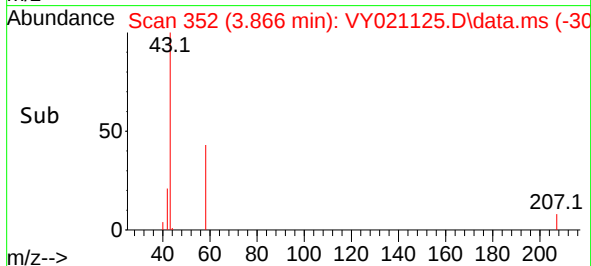


#16
Acetone
Concen: 6.137 ug/l
RT: 3.866 min Scan# 316
Delta R.T. -0.012 min
Lab File: VY021125.D
Acq: 06 Feb 2025 20:39

Instrument :
MSVOA_Y
ClientSampleId :

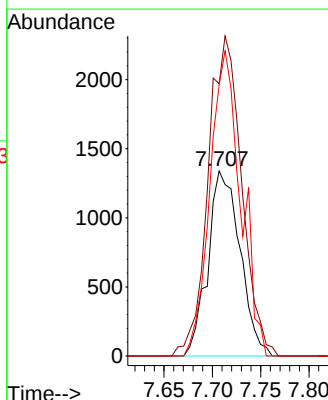
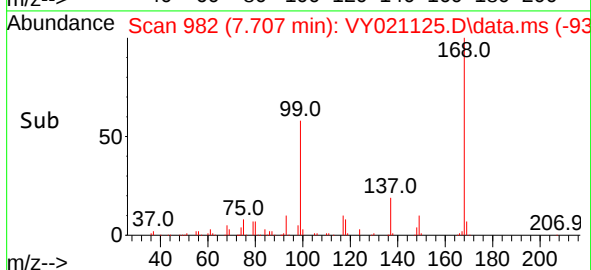
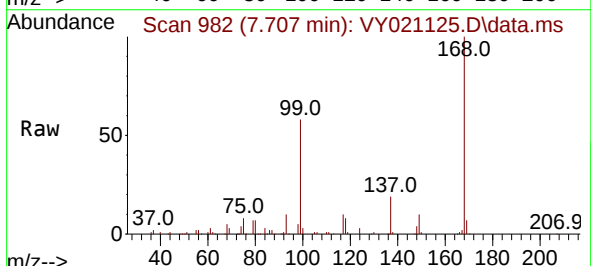


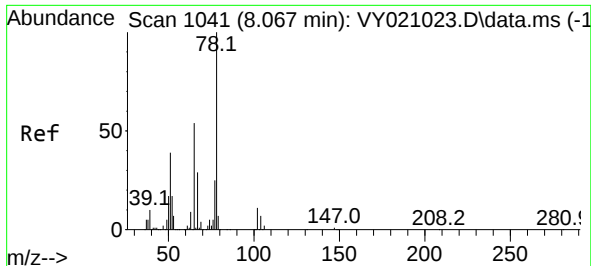
Tgt Ion: 43 Resp: 1463
Ion Ratio Lower Upper
43 100
58 43.4 26.6 39.8#



#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY021125.D
Acq: 06 Feb 2025 20:39

Tgt Ion: 56 Resp: 3085
Ion Ratio Lower Upper
56 100
69 147.1 27.0 40.6#
84 146.6 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 55.967 ug/l

RT: 8.067 min Scan# 11041

Delta R.T. -0.000 min

Lab File: VY021125.D

Acq: 06 Feb 2025 20:39

Instrument :

MSVOA_Y

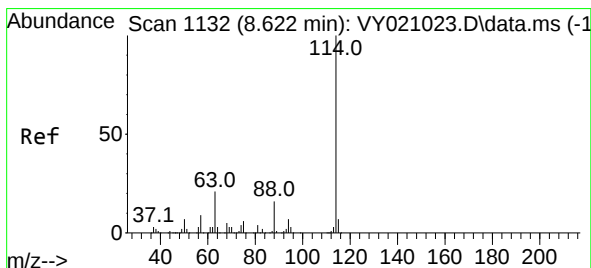
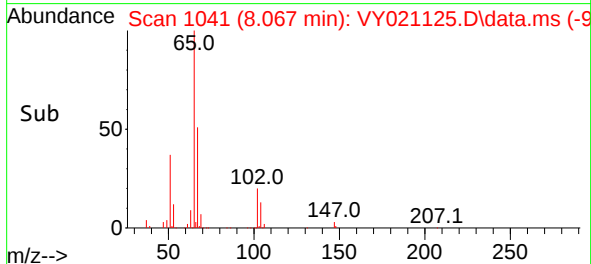
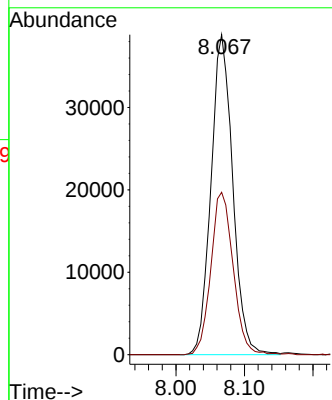
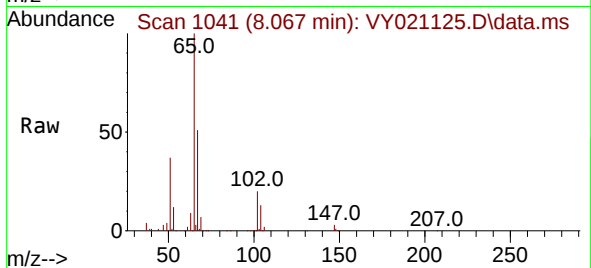
ClientSampleId :

Tgt Ion: 65 Resp: 85553

Ion Ratio Lower Upper

65 100

67 52.1 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: VY021125.D

Acq: 06 Feb 2025 20:39

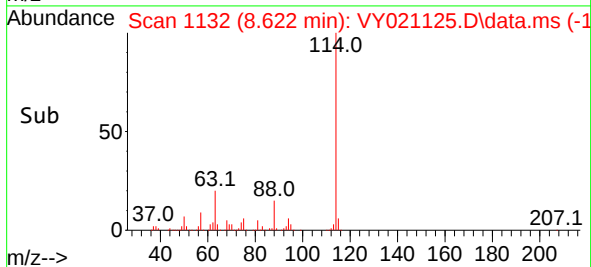
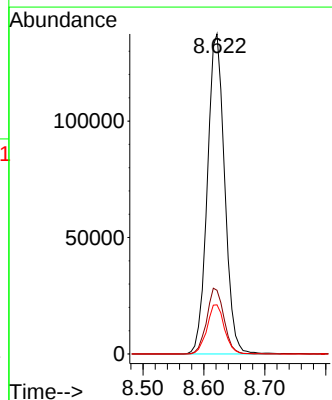
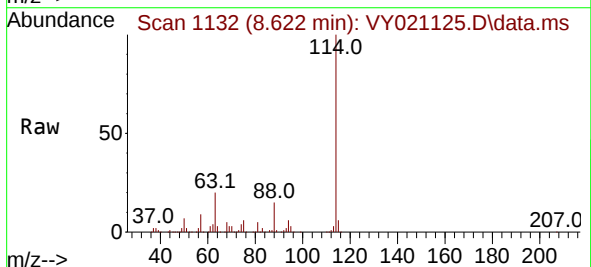
Tgt Ion: 114 Resp: 270546

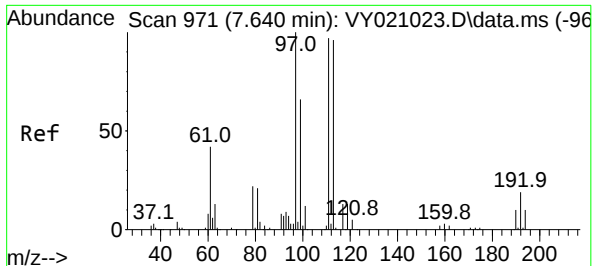
Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.4

88 15.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 51.561 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

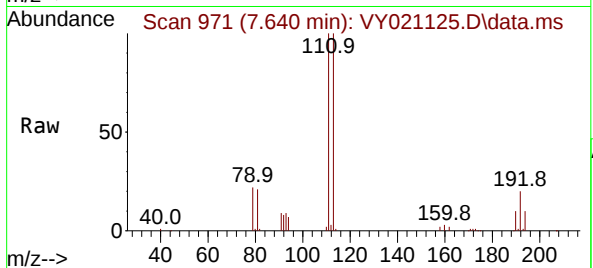
Lab File: VY021125.D

Acq: 06 Feb 2025 20:39

Instrument :

MSVOA_Y

ClientSampleId :



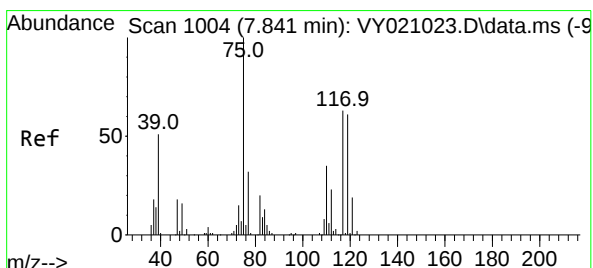
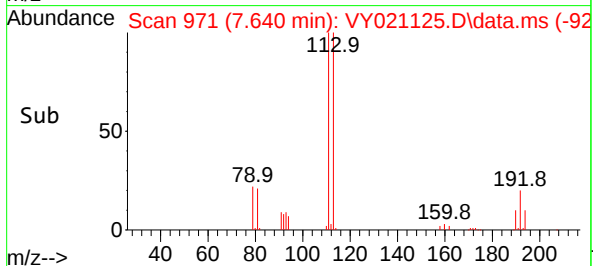
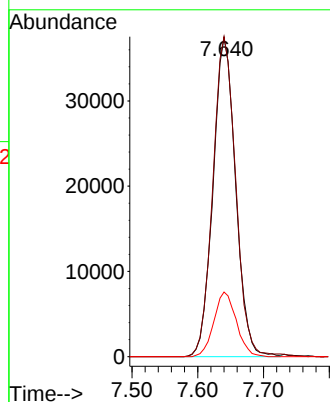
Tgt Ion:113 Resp: 89399

Ion Ratio Lower Upper

113 100

111 101.8 83.8 125.6

192 20.2 14.5 21.7



#36

1,1-Dichloropropene

Concen: 4.562 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021125.D

Acq: 06 Feb 2025 20:39

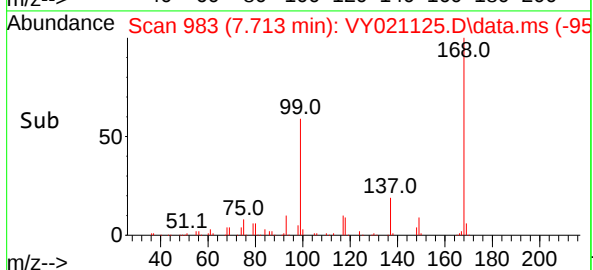
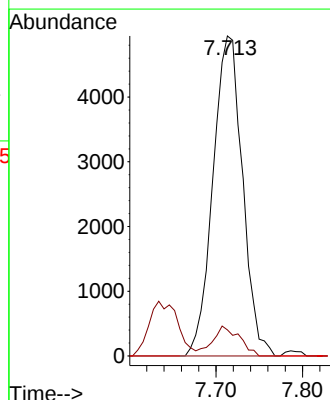
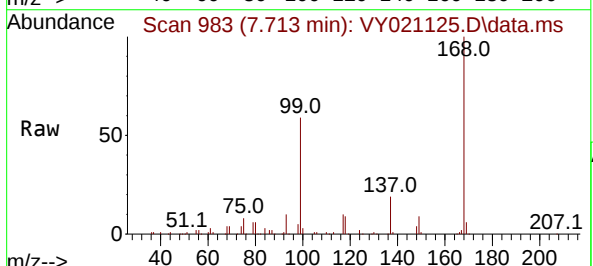
Tgt Ion: 75 Resp: 11717

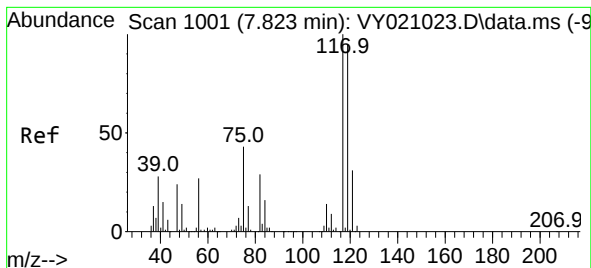
Ion Ratio Lower Upper

75 100

110 8.5 17.4 52.3#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.998 ug/l

RT: 7.719 min Scan# 91

Delta R.T. -0.104 min

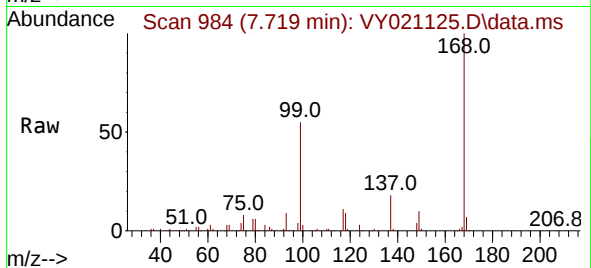
Lab File: VY021125.D

Acq: 06 Feb 2025 20:39

Instrument :

MSVOA_Y

ClientSampleId :



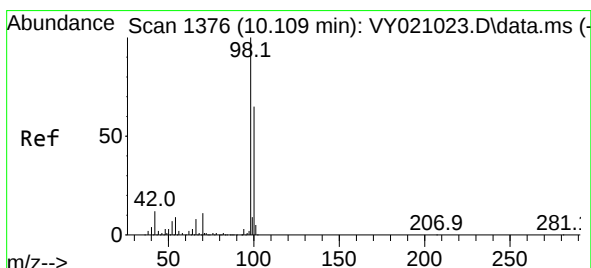
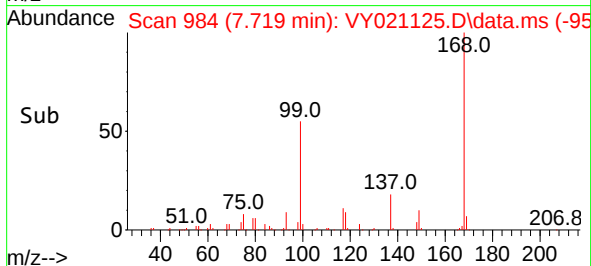
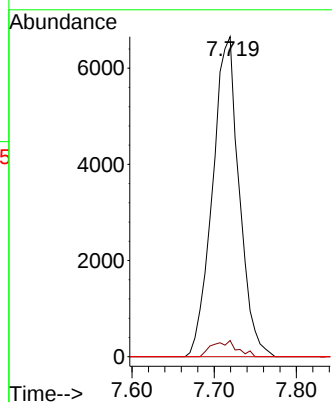
Tgt Ion:117 Resp: 14999

Ion Ratio Lower Upper

117 100

119 5.0 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.059 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021125.D

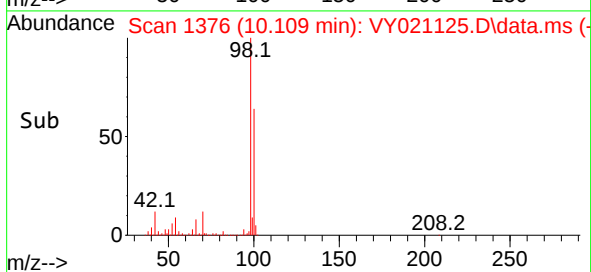
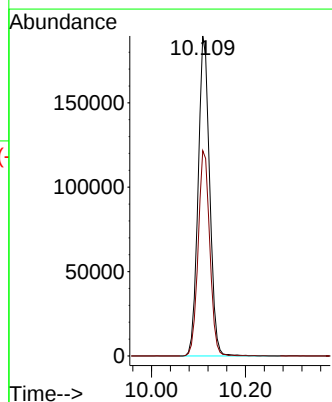
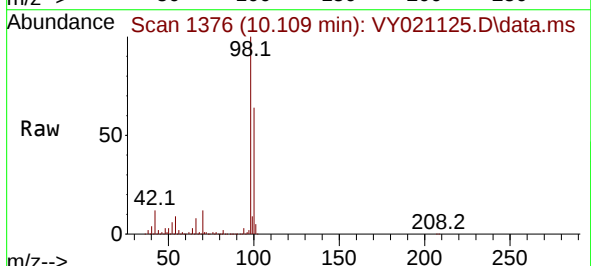
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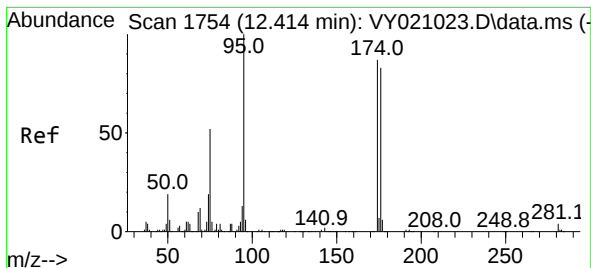
Tgt Ion: 98 Resp: 323833

Ion Ratio Lower Upper

98 100

100 64.5 52.3 78.5

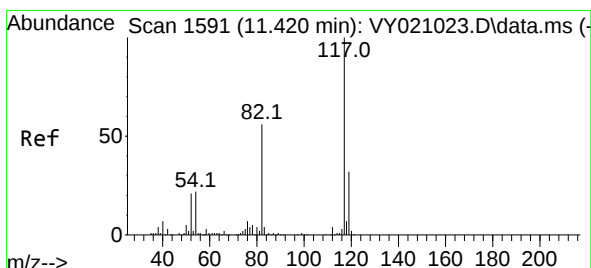
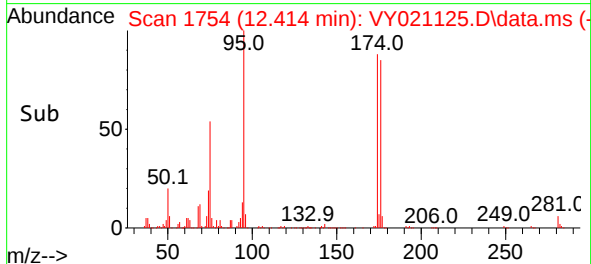
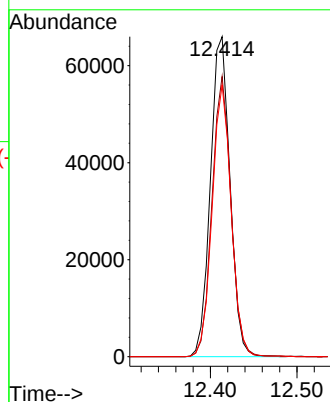
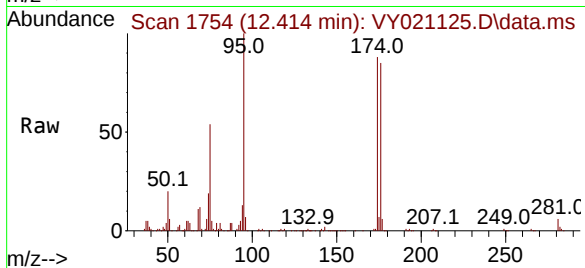




#62
4-Bromofluorobenzene
Concen: 48.128 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021125.D
Acq: 06 Feb 2025 20:39

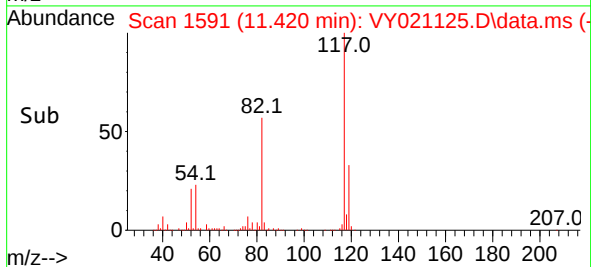
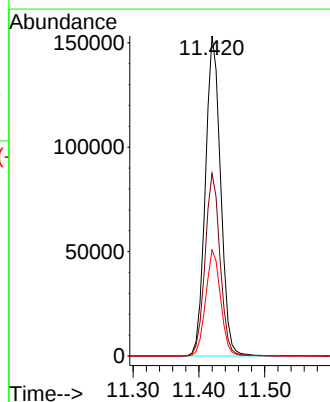
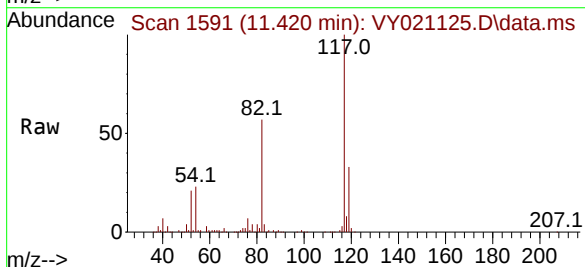
Instrument :
MSVOA_Y
ClientSampleId :

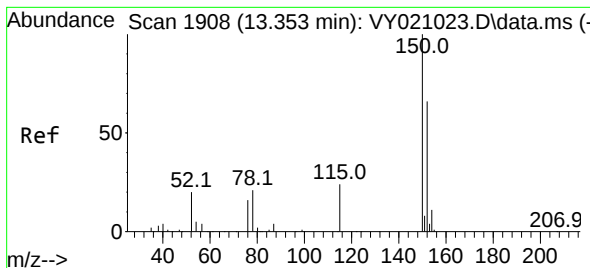
Tgt Ion: 95 Resp: 103787
Ion Ratio Lower Upper
95 100
174 85.0 0.0 160.0
176 82.5 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021125.D
Acq: 06 Feb 2025 20:39

Tgt Ion: 117 Resp: 246769
Ion Ratio Lower Upper
117 100
82 57.1 43.8 65.8
119 33.1 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

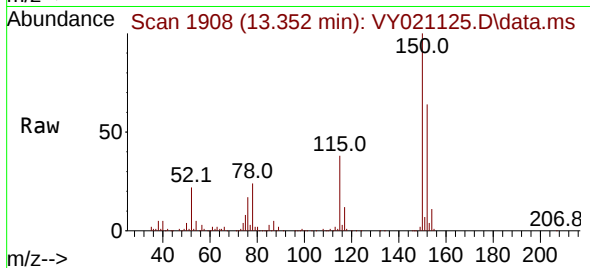
Lab File: VY021125.D

Acq: 06 Feb 2025 20:39

Instrument :

MSVOA_Y

ClientSampleId :



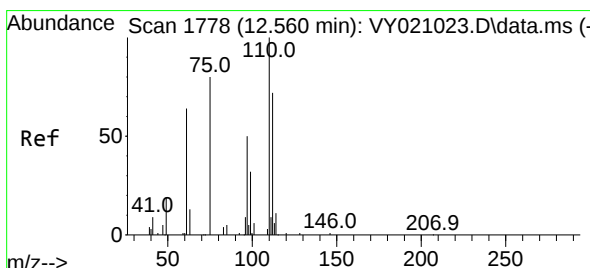
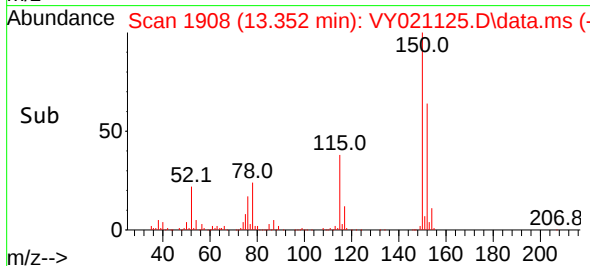
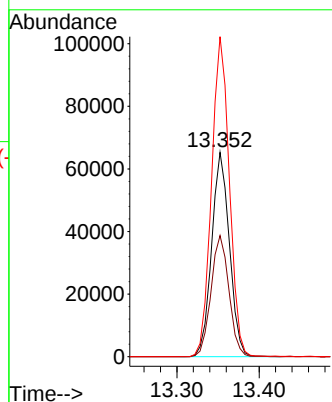
Tgt Ion:152 Resp: 97937

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

150 156.8 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 63.285 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.147 min

Lab File: VY021125.D

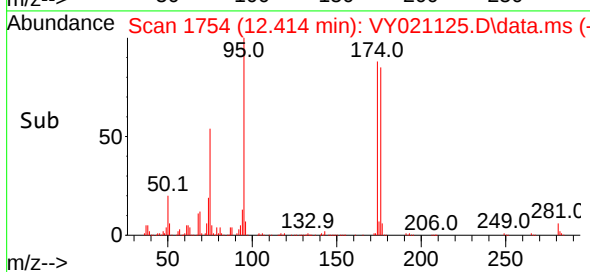
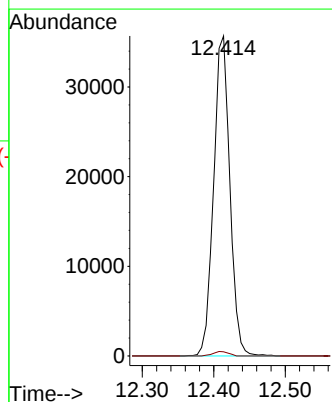
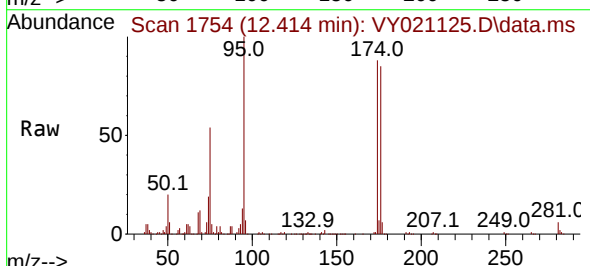
Acq: 06 Feb 2025 20:39

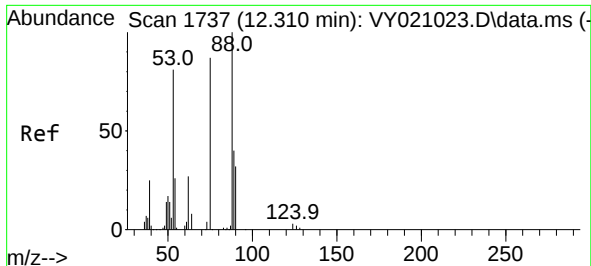
Tgt Ion: 75 Resp: 56223

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

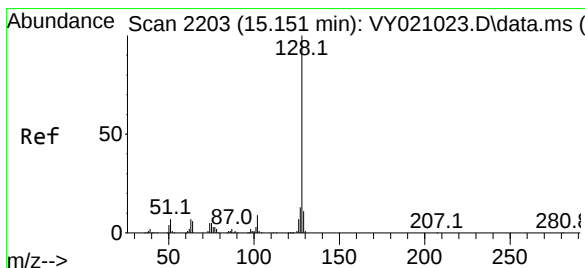
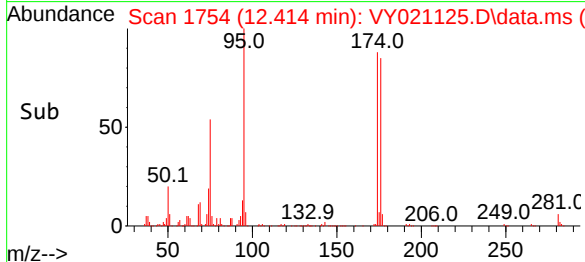
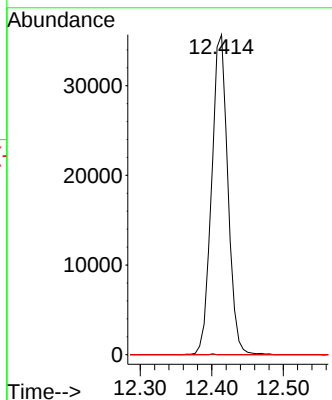
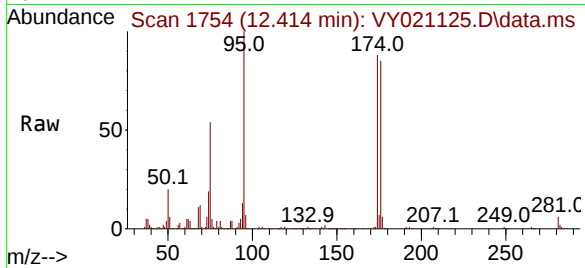




#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.132 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. 0.103 min
 Lab File: VY021125.D
 Acq: 06 Feb 2025 20:39

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 56223
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.1 36.5 54.7#



#95
 Naphthalene
 Concen: 1.688 ug/l
 RT: 15.151 min Scan# 2203
 Delta R.T. -0.000 min
 Lab File: VY021125.D
 Acq: 06 Feb 2025 20:39

Tgt Ion: 128 Resp: 4448
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.2 15.4
 129 12.6 8.6 12.8

