

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021103.D
 Acq On : 06 Feb 2025 10:14
 Operator : SY/MD
 Sample : VY0206SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 02:26:55 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)

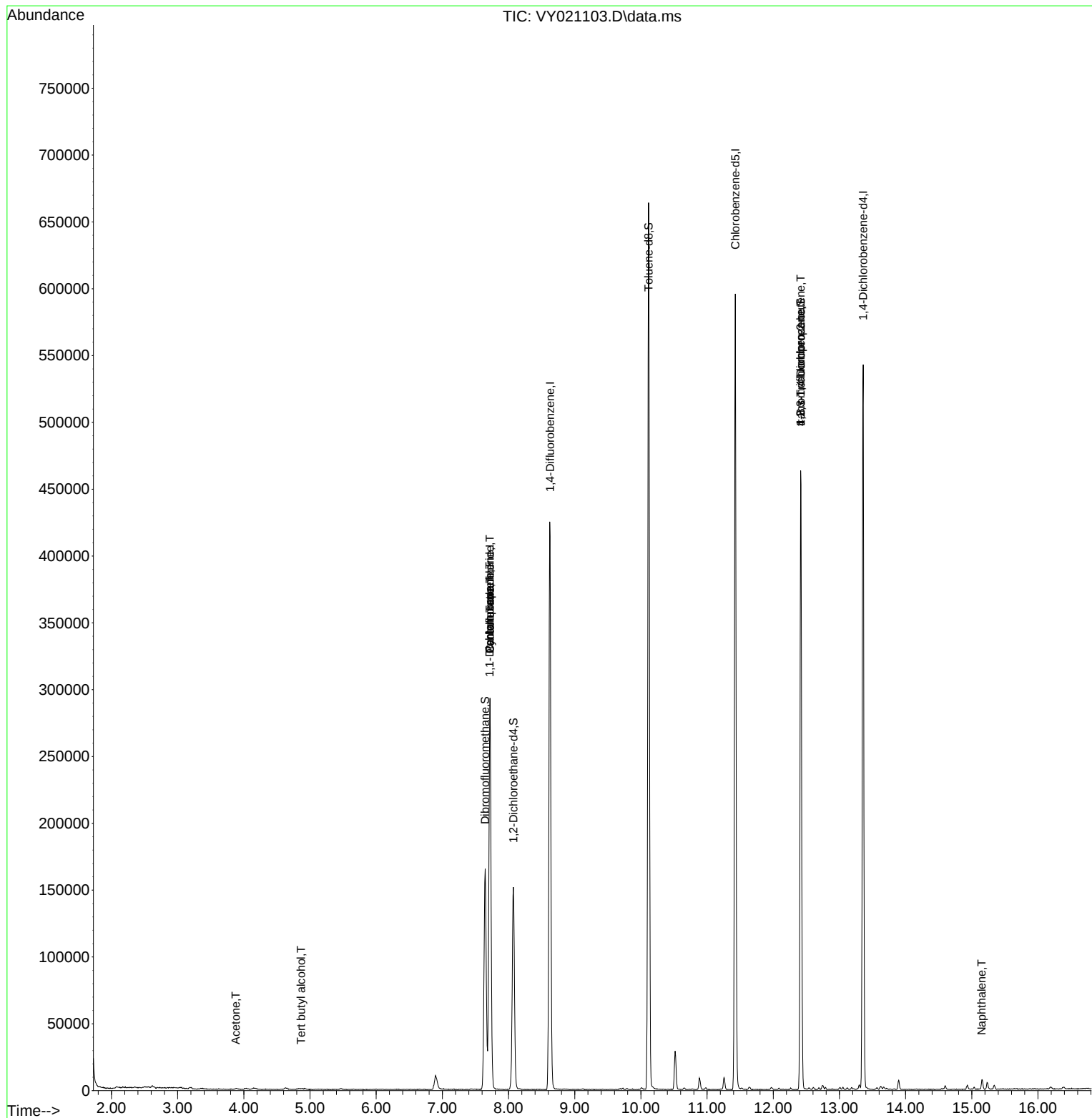
Internal Standards						
1) Pentafluorobenzene	7.719	168	226901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	361994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	303137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	136512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	122644	52.755	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.520%	
35) Dibromofluoromethane	7.646	113	117870	50.808	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.620%	
50) Toluene-d8	10.115	98	429675	48.650	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.300%	
62) 4-Bromofluorobenzene	12.414	95	139929	48.496	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.000%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.866	59	518	3.288	ug/l #	75
16) Acetone	3.879	43	1129	3.114	ug/l #	75
31) Cyclohexane	7.719	56	4490	1.132	ug/l #	3
36) 1,1-Dichloropropene	7.713	75	17832	5.189	ug/l #	50
38) Carbon Tetrachloride	7.719	117	22614	5.632	ug/l #	16
76) 1,2,3-Trichloropropane	12.414	75	73775	59.576	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	73775	121.564	ug/l #	12
95) Naphthalene	15.151	128	6104	1.662	ug/l	98

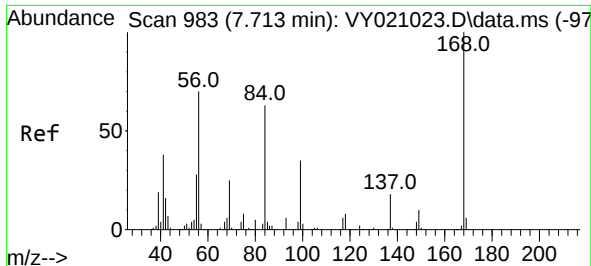
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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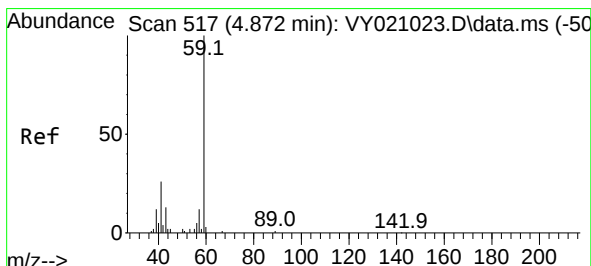
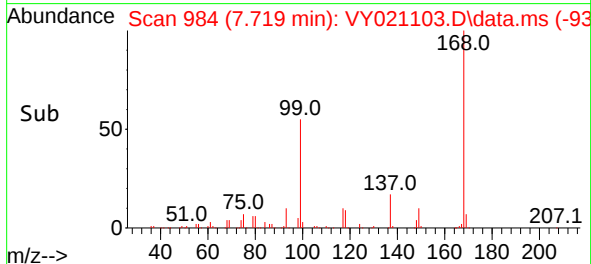
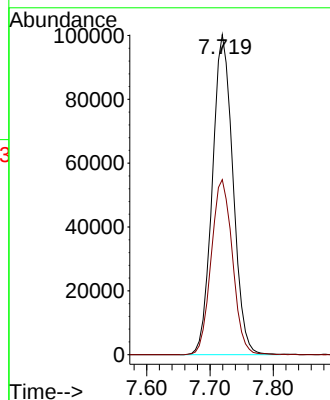
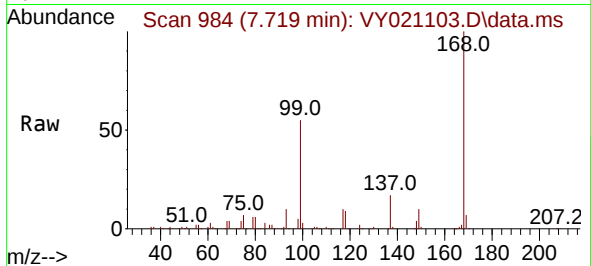




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021103.D
Acq: 06 Feb 2025 10:14

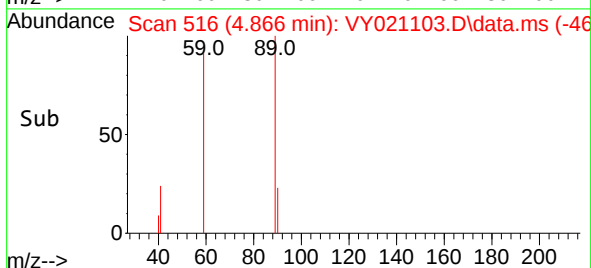
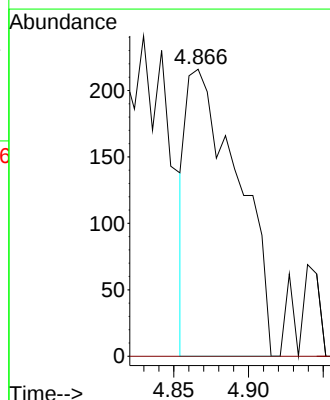
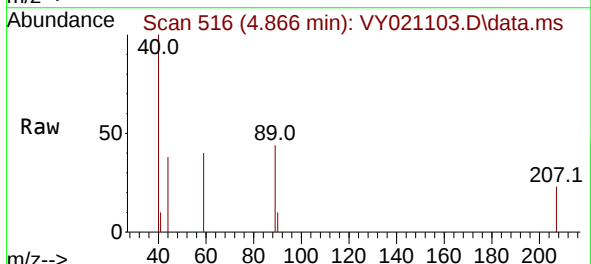
Instrument :
MSVOA_Y
ClientSampleId :

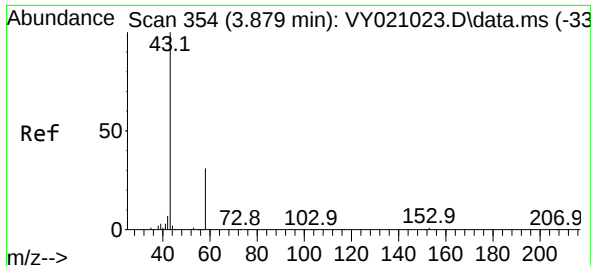
Tgt Ion:168 Resp: 226901
Ion Ratio Lower Upper
168 100
99 54.7 44.2 66.4



#11
Tert butyl alcohol
Concen: 3.288 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY021103.D
Acq: 06 Feb 2025 10:14

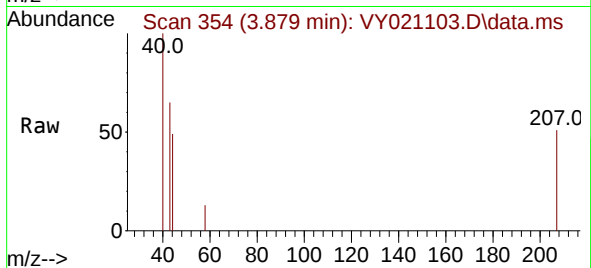
Tgt Ion: 59 Resp: 518
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



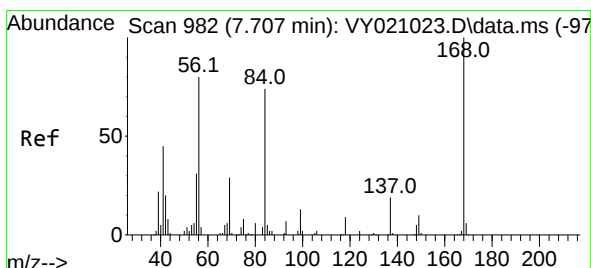
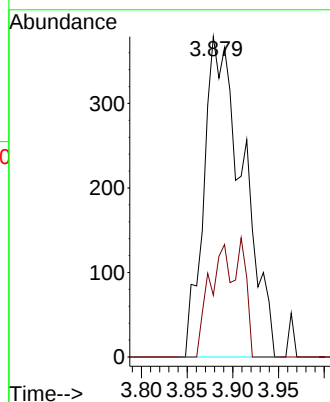
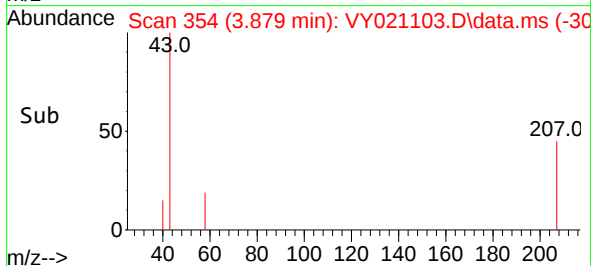


#16
Acetone
Concen: 3.114 ug/l
RT: 3.879 min Scan# 311
Delta R.T. -0.000 min
Lab File: VY021103.D
Acq: 06 Feb 2025 10:14

Instrument :
MSVOA_Y
ClientSampleId :

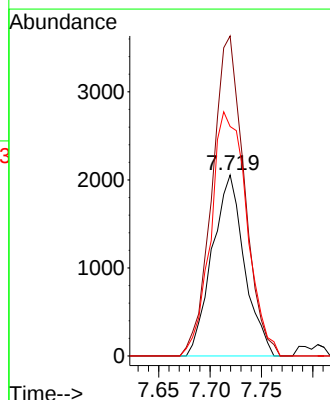
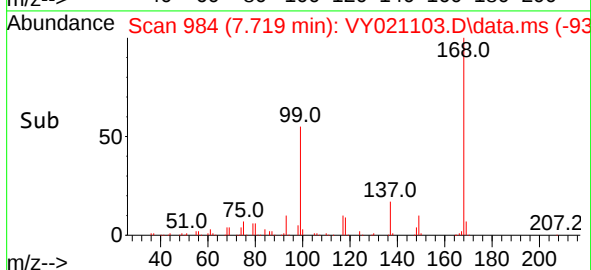
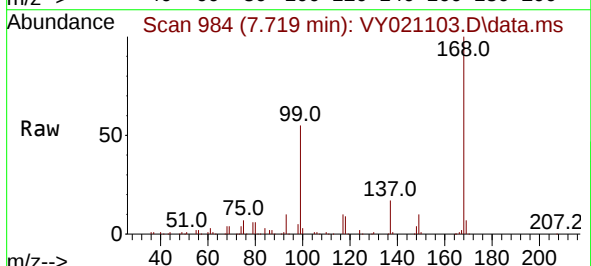


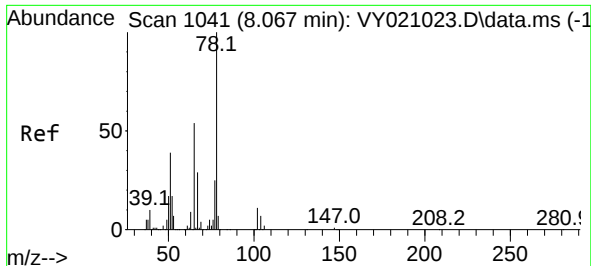
Tgt Ion: 43 Resp: 1129
Ion Ratio Lower Upper
43 100
58 19.3 26.6 39.8#



#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY021103.D
Acq: 06 Feb 2025 10:14

Tgt Ion: 56 Resp: 4490
Ion Ratio Lower Upper
56 100
69 176.8 27.0 40.6#
84 126.8 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 52.755 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY021103.D

Acq: 06 Feb 2025 10:14

Instrument :

MSVOA_Y

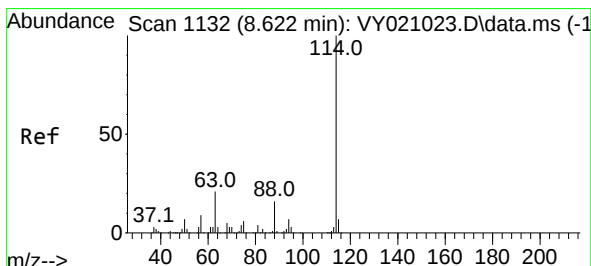
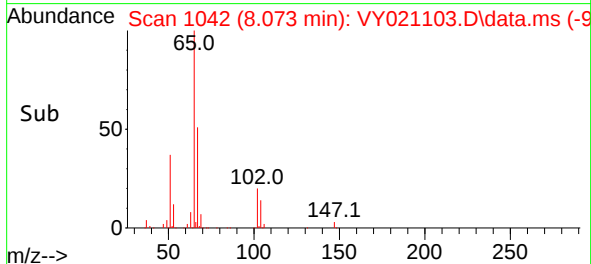
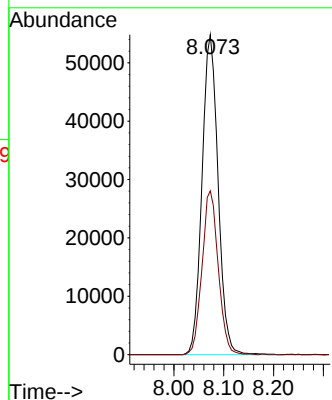
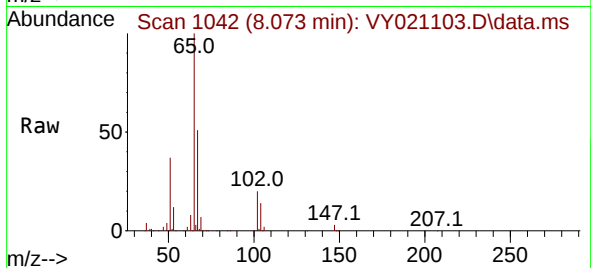
ClientSampleId :

Tgt Ion: 65 Resp: 122644

Ion Ratio Lower Upper

65 100

67 51.6 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY021103.D

Acq: 06 Feb 2025 10:14

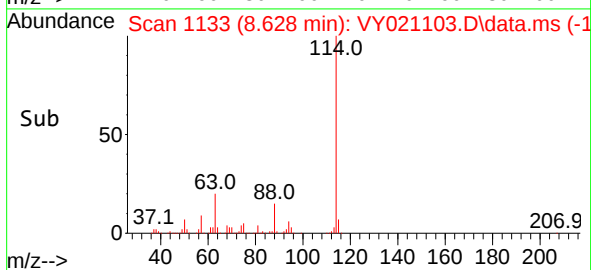
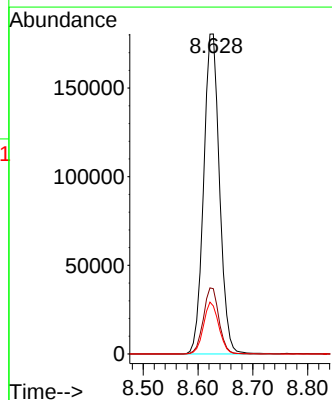
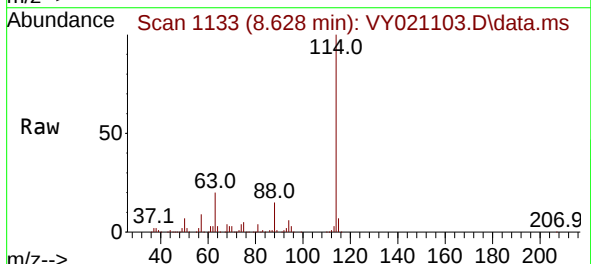
Tgt Ion:114 Resp: 361994

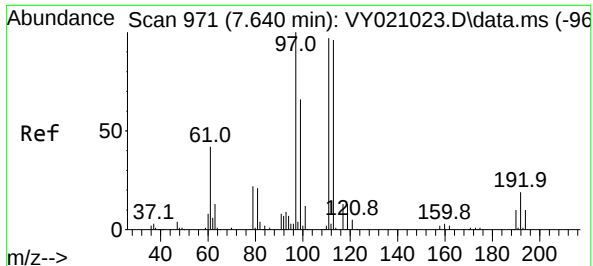
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

88 15.0 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.808 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY021103.D

Acq: 06 Feb 2025 10:14

Instrument :

MSVOA_Y

ClientSampleId :

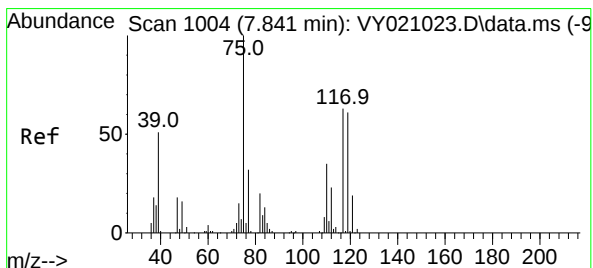
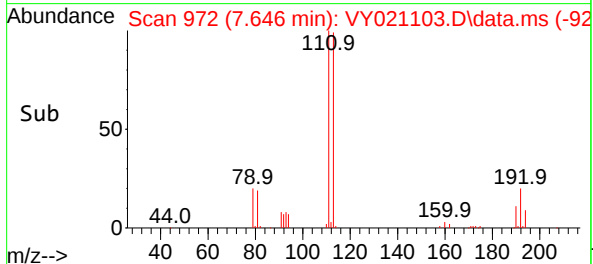
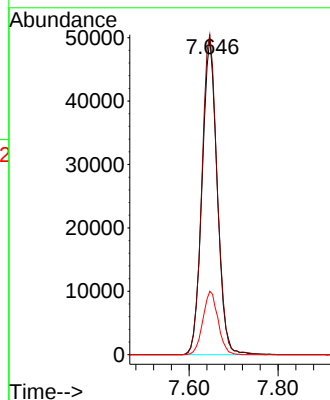
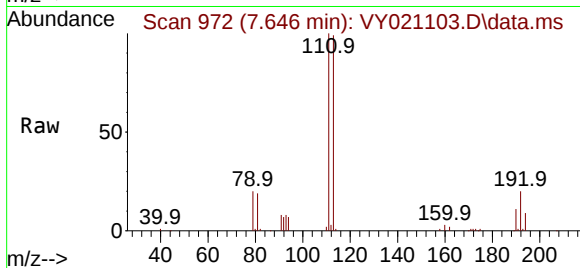
Tgt Ion:113 Resp: 117870

Ion Ratio Lower Upper

113 100

111 102.7 83.8 125.6

192 20.1 14.5 21.7



#36

1,1-Dichloropropene

Concen: 5.189 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021103.D

Acq: 06 Feb 2025 10:14

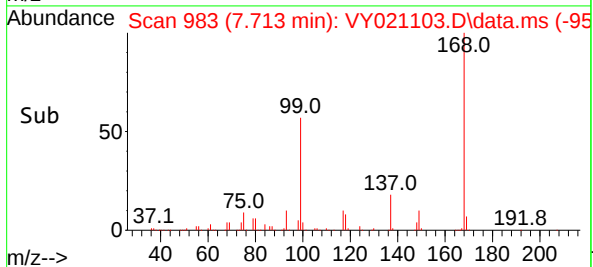
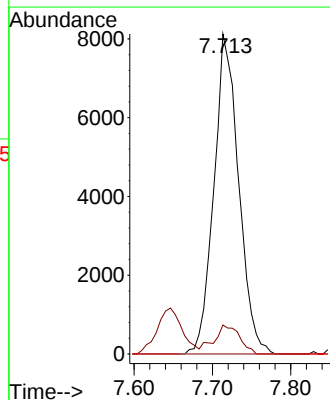
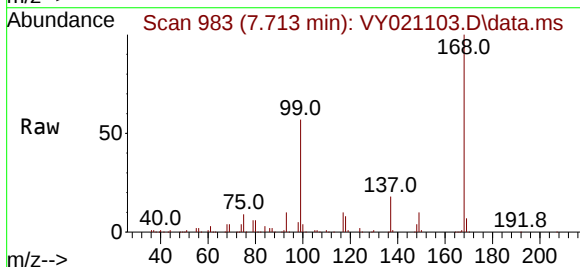
Tgt Ion: 75 Resp: 17832

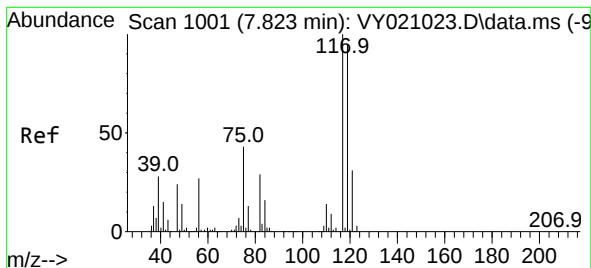
Ion Ratio Lower Upper

75 100

110 9.3 17.4 52.3#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.632 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.104 min

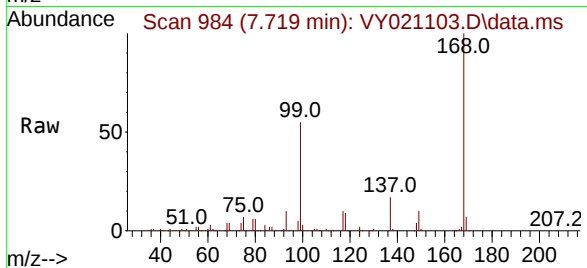
Lab File: VY021103.D

Acq: 06 Feb 2025 10:14

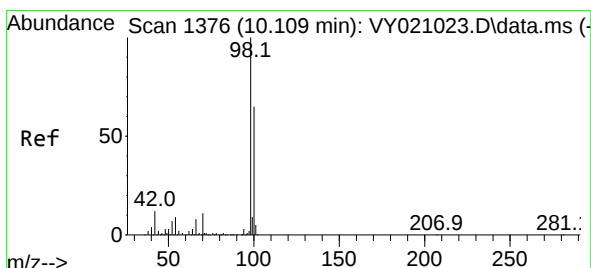
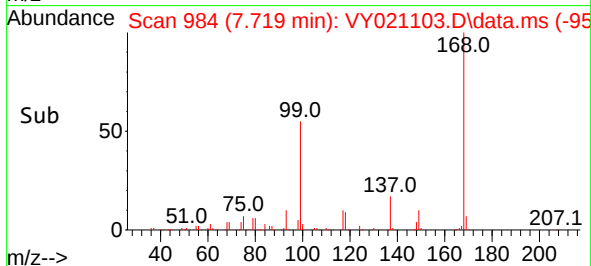
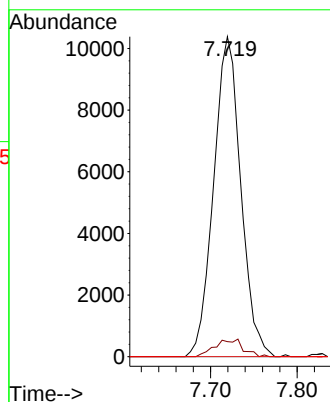
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	117	Resp:	22614
Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.0	114.0#
121	0.0	24.2	36.2#



#50

Toluene-d8

Concen: 48.650 ug/l

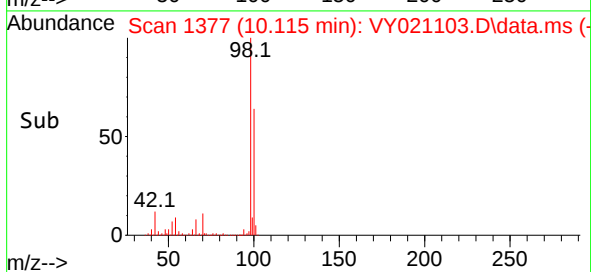
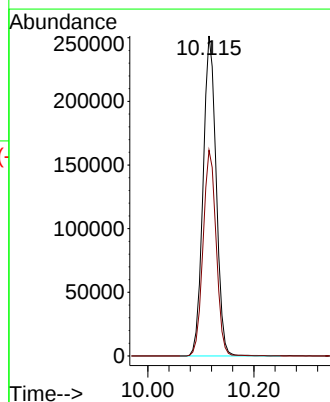
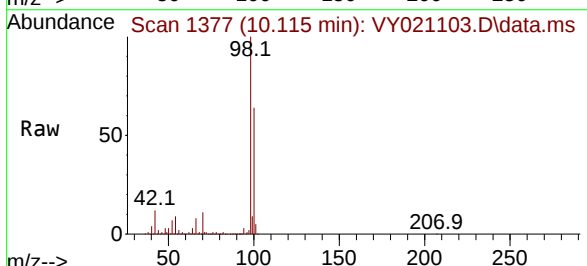
RT: 10.115 min Scan# 1377

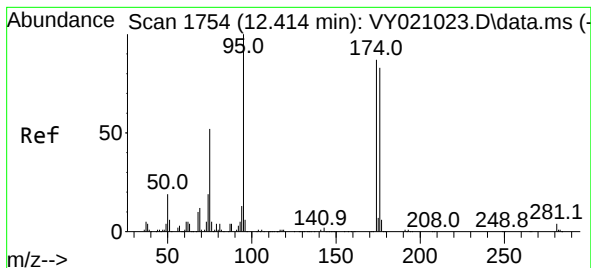
Delta R.T. 0.006 min

Lab File: VY021103.D

Acq: 06 Feb 2025 10:14

Tgt Ion:	98	Resp:	429675
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.3	78.5

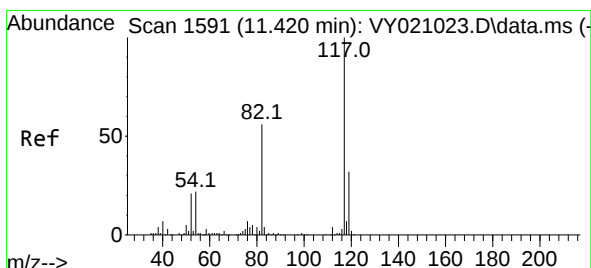
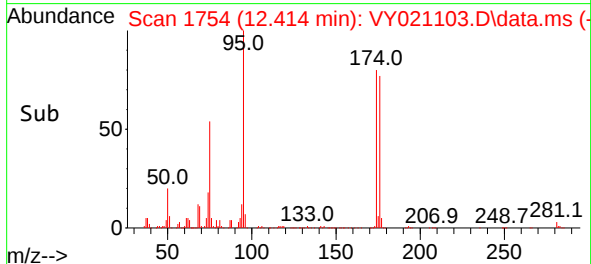
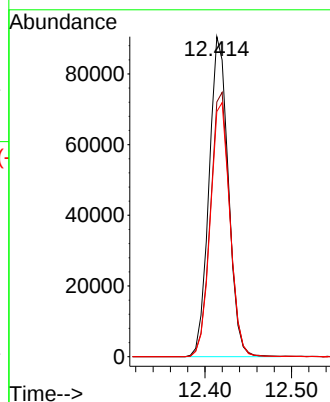
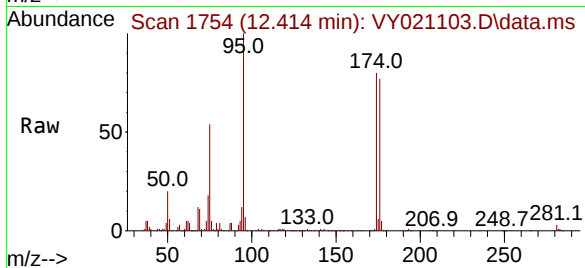




#62
4-Bromofluorobenzene
Concen: 48.496 ug/l
RT: 12.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021103.D
Acq: 06 Feb 2025 10:14

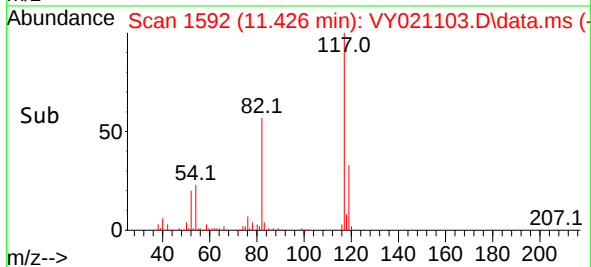
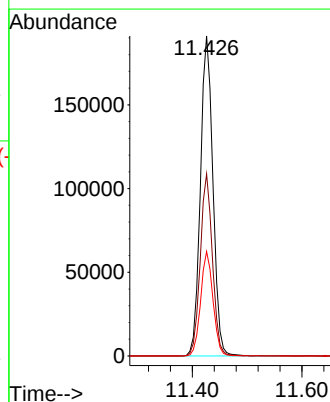
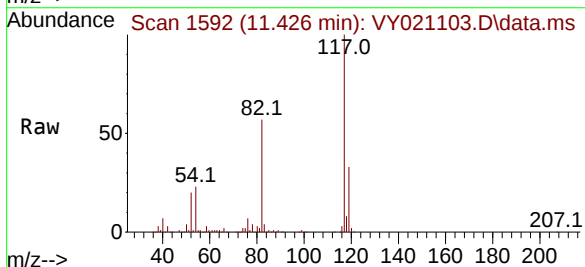
Instrument :
MSVOA_Y
ClientSampleId :

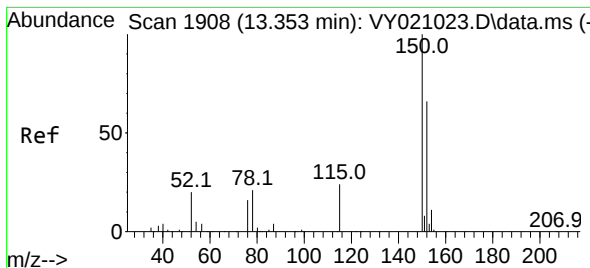
Tgt Ion: 95 Resp: 139929
Ion Ratio Lower Upper
95 100
174 83.2 0.0 160.0
176 80.5 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021103.D
Acq: 06 Feb 2025 10:14

Tgt Ion: 117 Resp: 303137
Ion Ratio Lower Upper
117 100
82 56.9 43.8 65.8
119 32.6 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021103.D

Acq: 06 Feb 2025 10:14

Instrument :

MSVOA_Y

ClientSampleId :

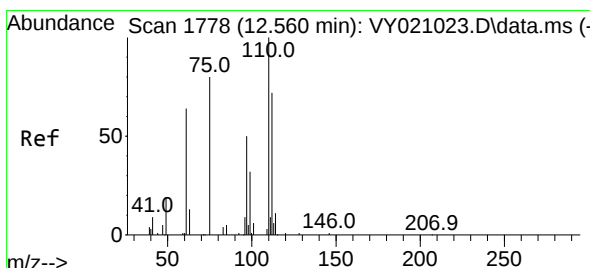
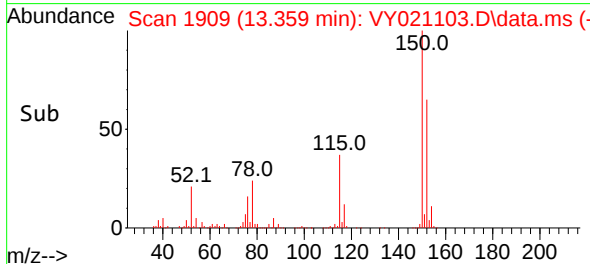
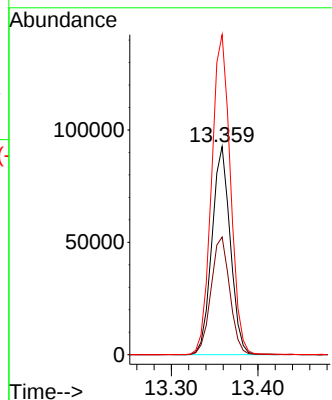
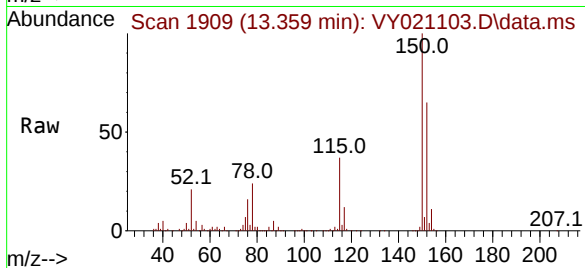
Tgt Ion:152 Resp: 136512

Ion Ratio Lower Upper

152 100

115 57.9 30.0 90.0

150 158.3 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 59.576 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY021103.D

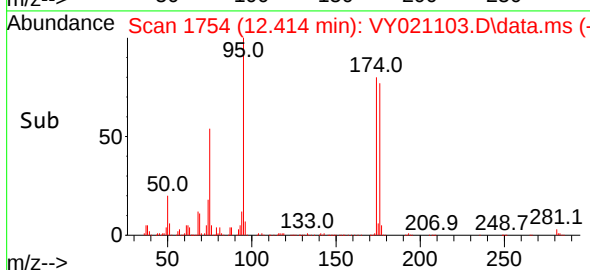
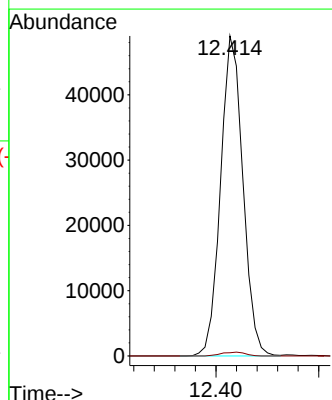
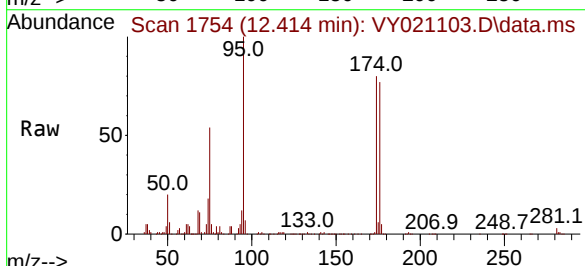
Acq: 06 Feb 2025 10:14

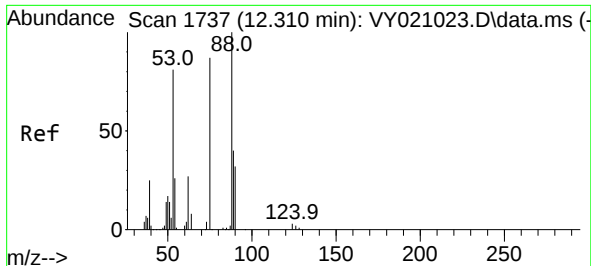
Tgt Ion: 75 Resp: 73775

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

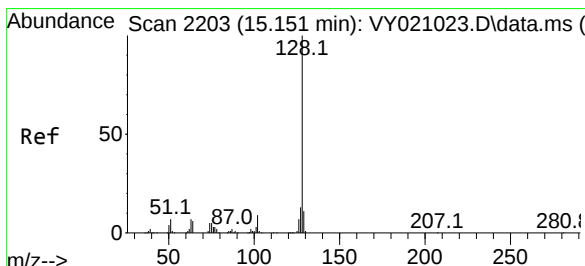
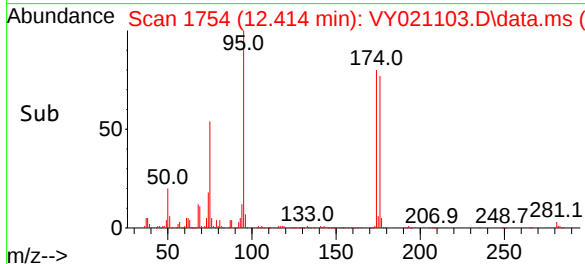
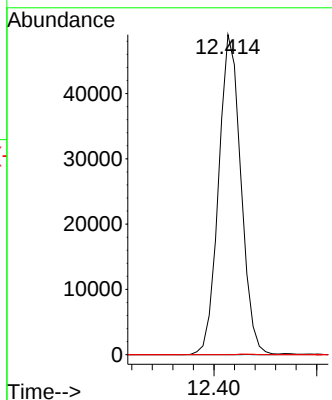
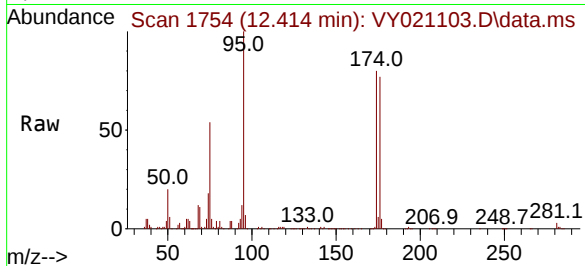




#81
trans-1,4-Dichloro-2-butene
Concen: 121.564 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.103 min
Lab File: VY021103.D
Acq: 06 Feb 2025 10:14

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 73775
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#



#95
Naphthalene
Concen: 1.662 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021103.D
Acq: 06 Feb 2025 10:14

Tgt Ion: 128 Resp: 6104
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.4
129 11.3 8.6 12.8

