

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021980.D
 Acq On : 23 Apr 2025 18:34
 Operator : SY/MD
 Sample : Q1858-03
 Misc : 3.86g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-3

Quant Time: Apr 24 03:47:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

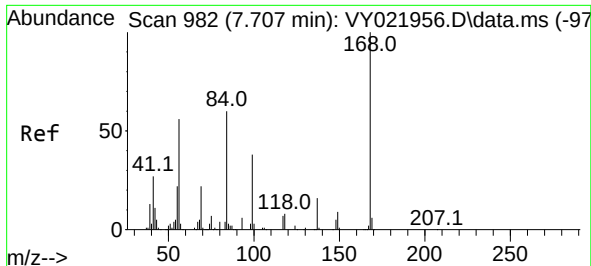
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	306739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	573313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	503025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	149825	52.880	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.760%	
35) Dibromofluoromethane	7.634	113	192042	50.703	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.400%	
50) Toluene-d8	10.103	98	686663	48.088	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.180%	
62) 4-Bromofluorobenzene	12.408	95	189650	39.453	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.900%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	658	Below Cal		90
31) Cyclohexane	7.701	56	6071	1.296	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	22728	4.467	ug/l #	48
38) Carbon Tetrachloride	7.707	117	30372	4.996	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	2352	1.279	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	93032	57.314	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	93032	138.022	ug/l #	16

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

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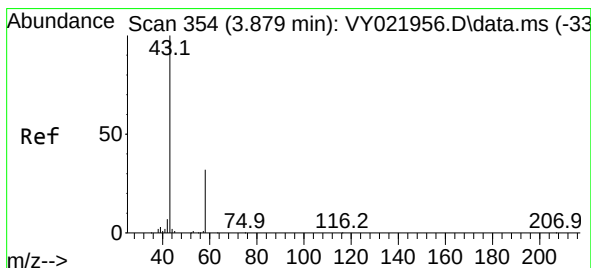
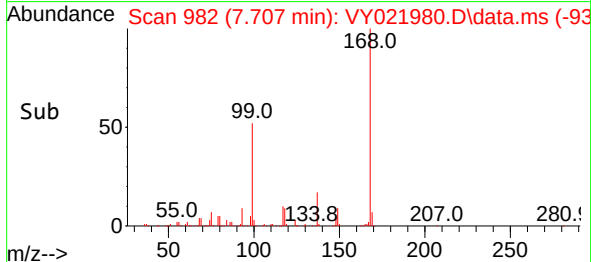
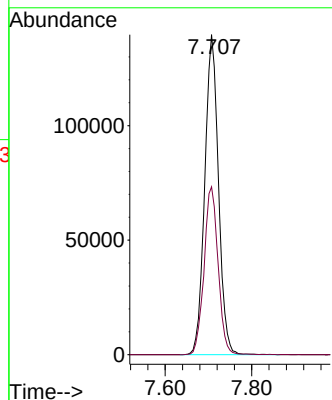
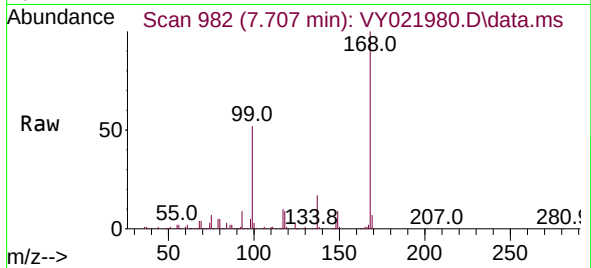




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

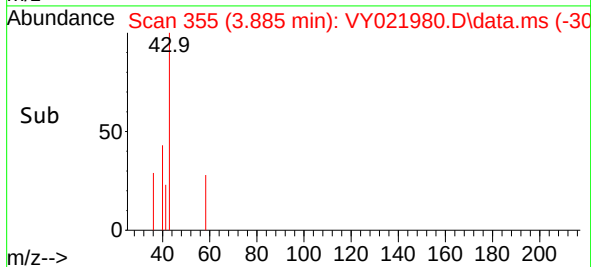
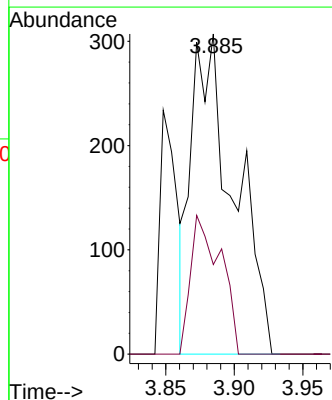
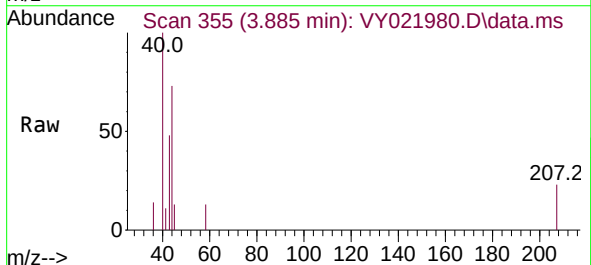
Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

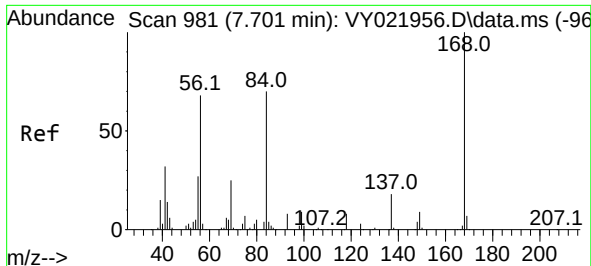
Tgt Ion:168 Resp: 306739
Ion Ratio Lower Upper
168 100
99 52.5 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

Tgt Ion: 43 Resp: 658
Ion Ratio Lower Upper
43 100
58 28.0 27.0 40.4

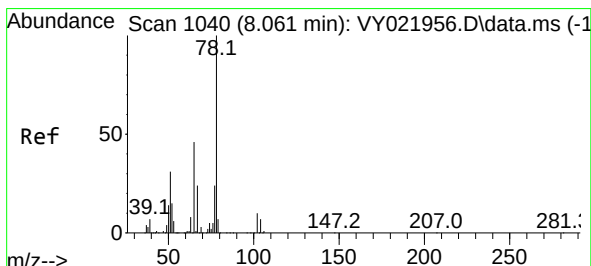
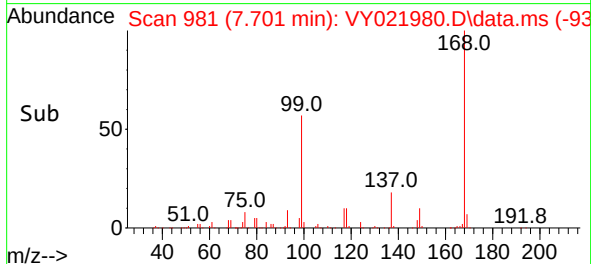
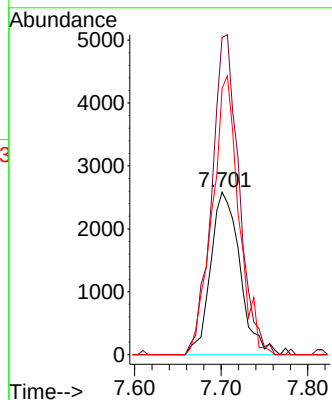
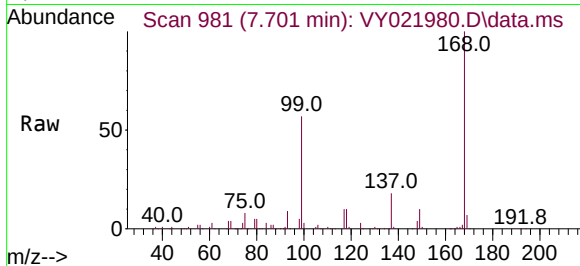




#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

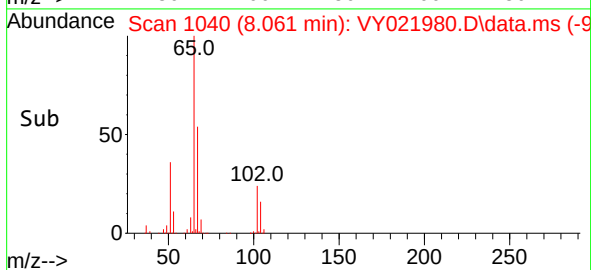
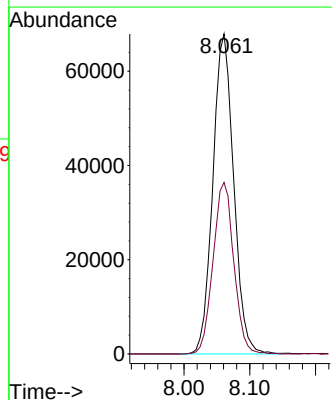
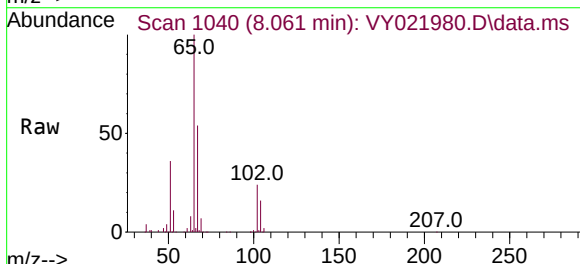
Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

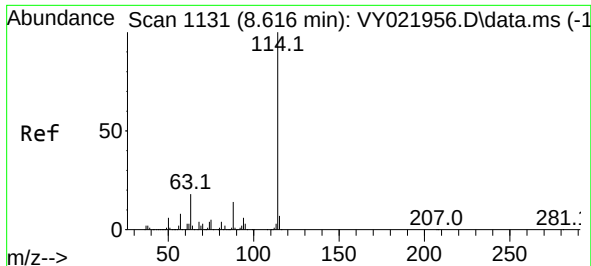
Tgt Ion: 56 Resp: 6071
Ion Ratio Lower Upper
56 100
69 195.2 29.4 44.2#
84 164.0 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 52.880 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

Tgt Ion: 65 Resp: 149825
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021980.D

Acq: 23 Apr 2025 18:34

Instrument :

MSVOA_Y

ClientSampleId :

COMP-3

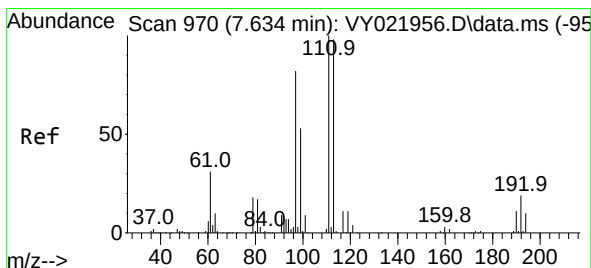
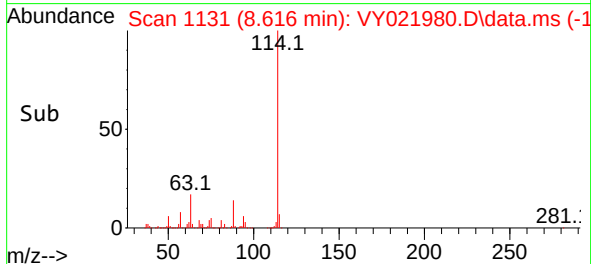
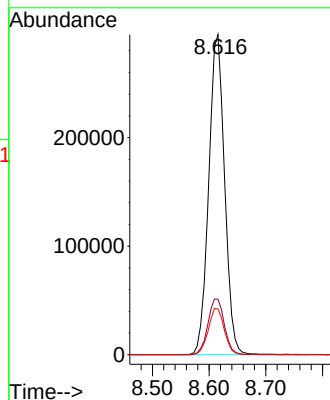
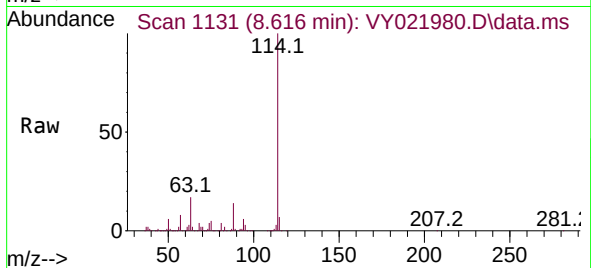
Tgt Ion:114 Resp: 573313

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.4

88 14.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.703 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021980.D

Acq: 23 Apr 2025 18:34

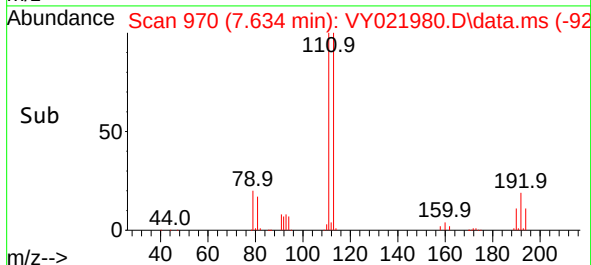
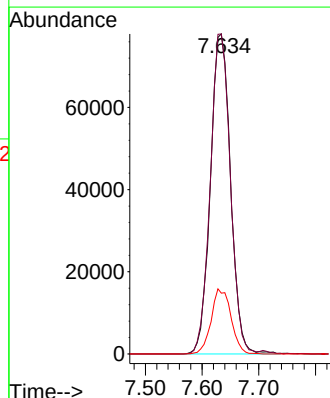
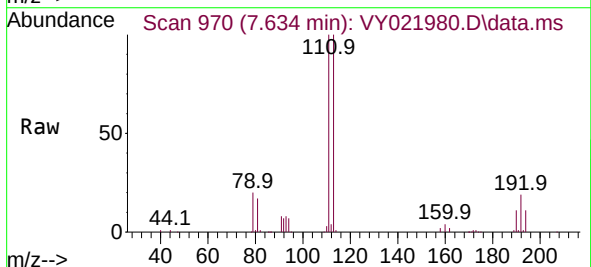
Tgt Ion:113 Resp: 192042

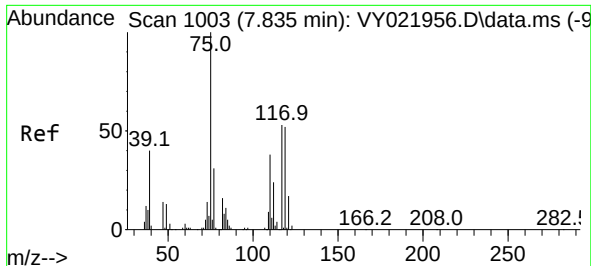
Ion Ratio Lower Upper

113 100

111 99.6 81.8 122.8

192 20.0 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.467 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY021980.D

Acq: 23 Apr 2025 18:34

Instrument :

MSVOA_Y

ClientSampleId :

COMP-3

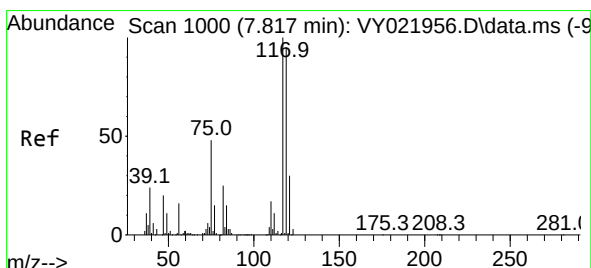
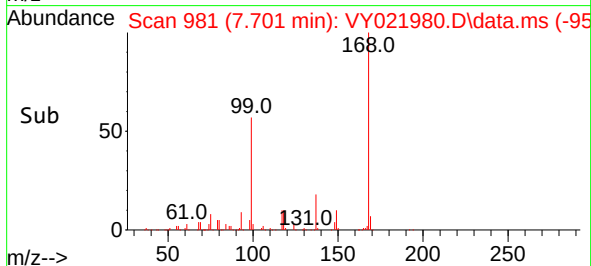
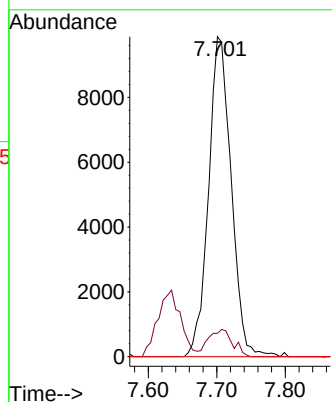
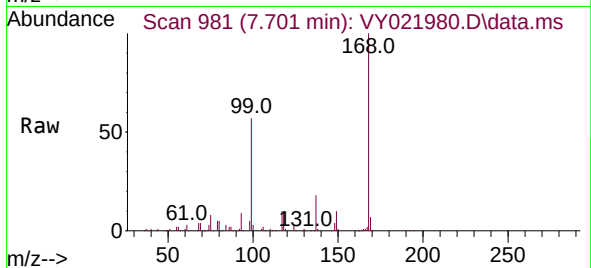
Tgt Ion: 75 Resp: 22728

Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.996 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY021980.D

Acq: 23 Apr 2025 18:34

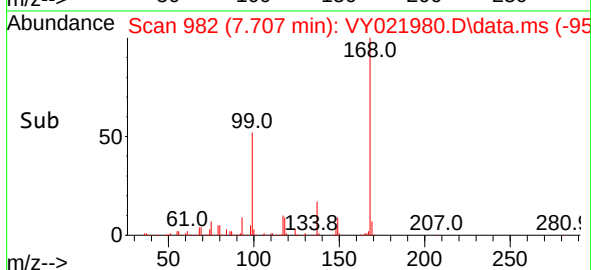
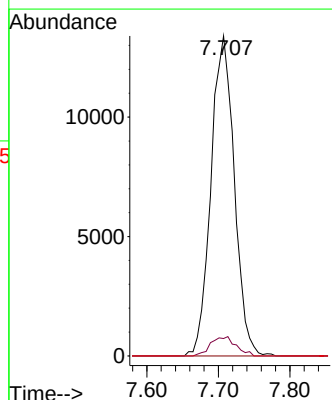
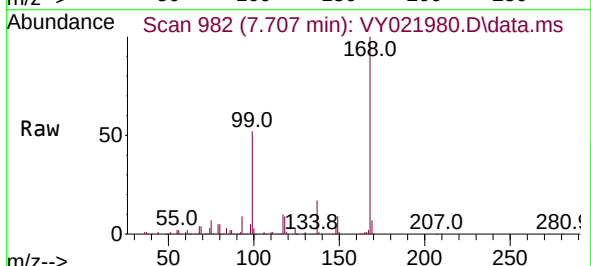
Tgt Ion: 117 Resp: 30372

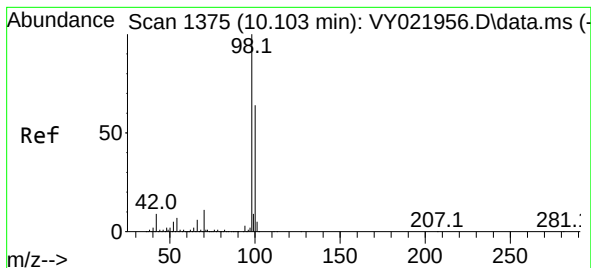
Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.4#

121 0.0 24.0 36.0#

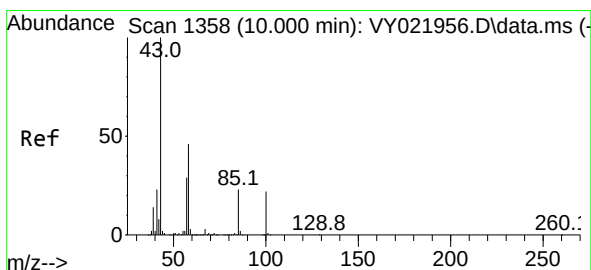
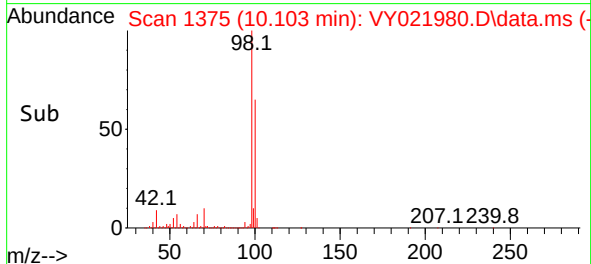
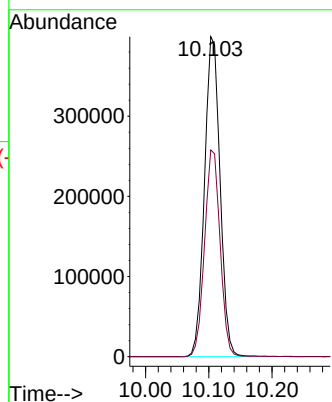
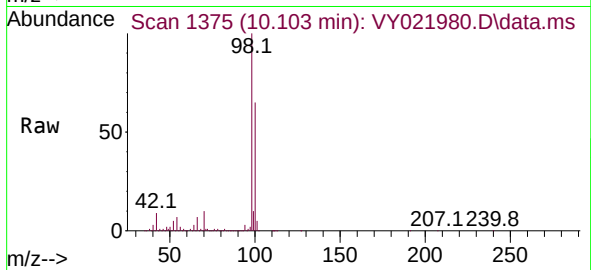




#50
Toluene-d8
Concen: 48.088 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

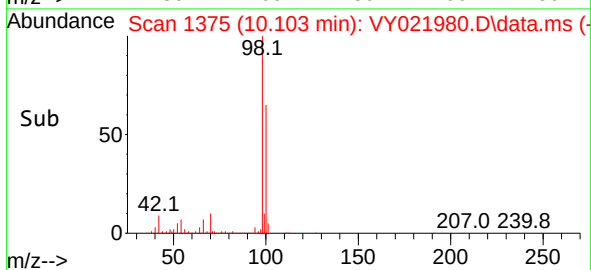
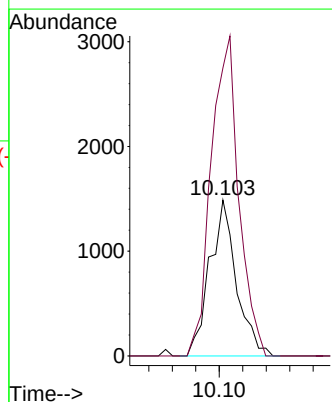
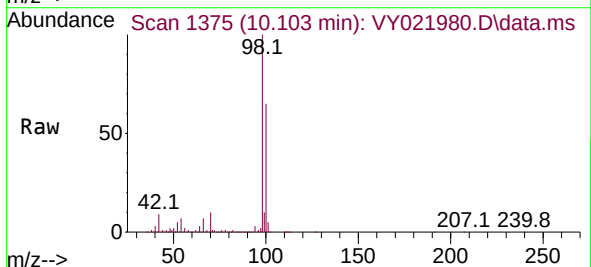
Instrument :
MSVOA_Y
ClientSampleId :
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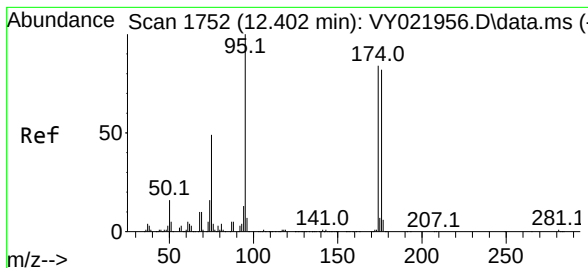
Tgt Ion: 98 Resp: 686663
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.279 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

Tgt Ion: 43 Resp: 2352
Ion Ratio Lower Upper
43 100
58 212.7 36.6 55.0#

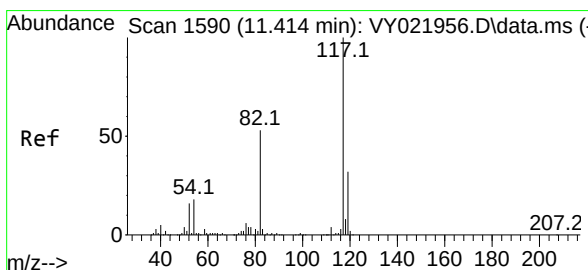
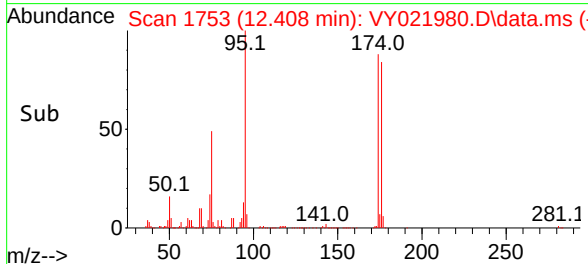
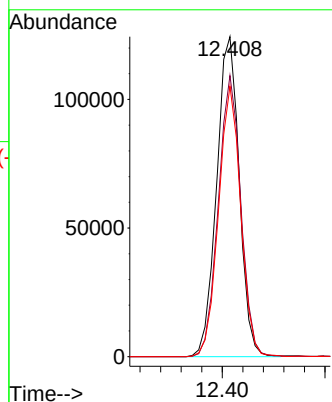
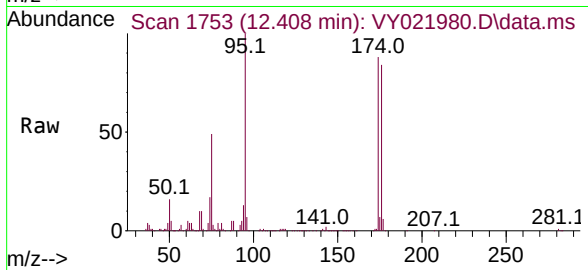




#62
4-Bromofluorobenzene
Concen: 39.453 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

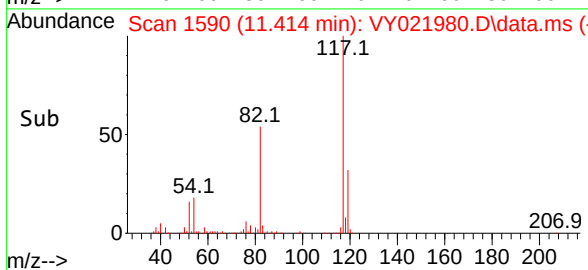
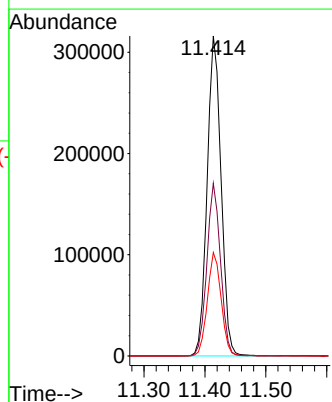
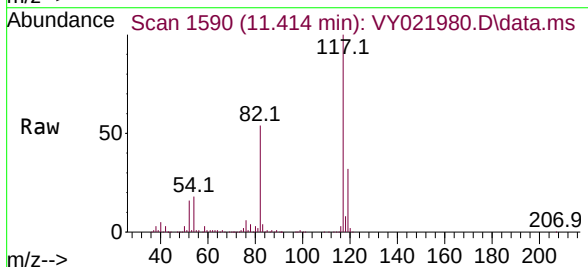
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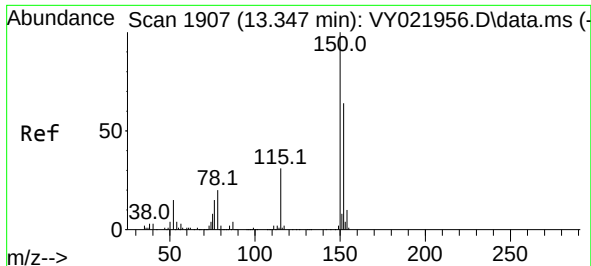
Tgt Ion: 95 Resp: 189650
Ion Ratio Lower Upper
95 100
174 87.3 0.0 179.0
176 82.8 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

Tgt Ion: 117 Resp: 503025
Ion Ratio Lower Upper
117 100
82 53.9 42.1 63.1
119 32.3 25.7 38.5

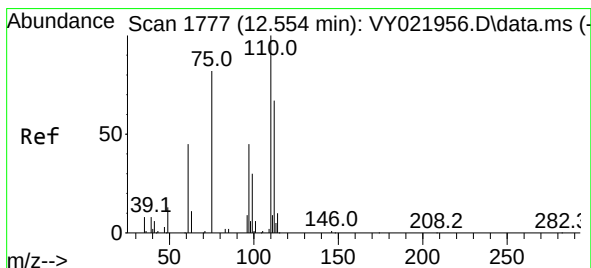
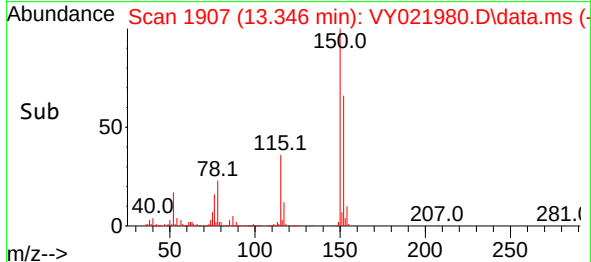
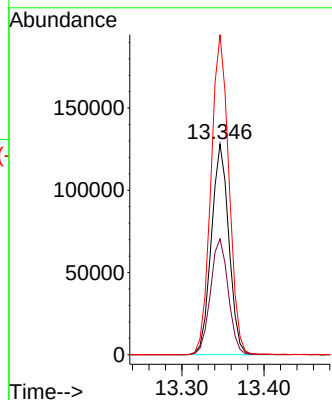
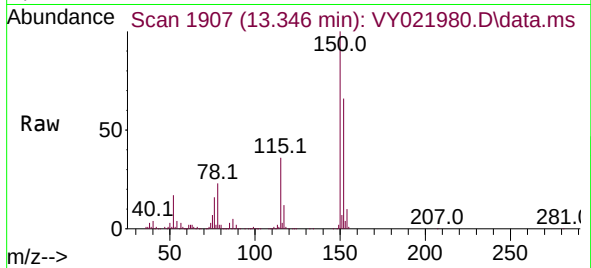




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY021980.D
 Acq: 23 Apr 2025 18:34

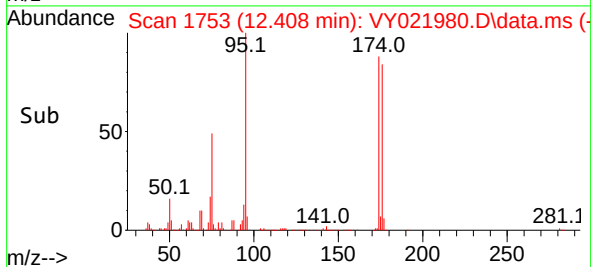
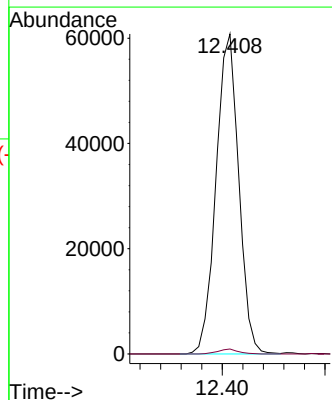
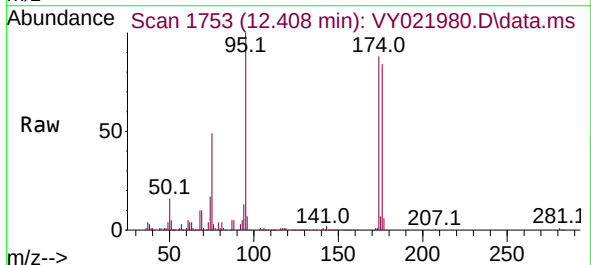
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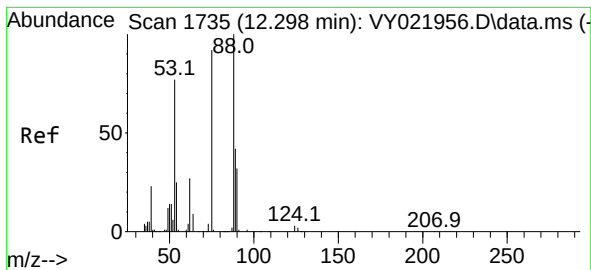
Tgt Ion:152 Resp: 189503
 Ion Ratio Lower Upper
 152 100
 115 55.9 28.0 84.0
 150 155.6 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 57.314 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021980.D
 Acq: 23 Apr 2025 18:34

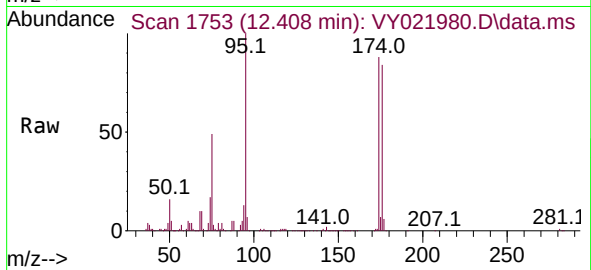
Tgt Ion: 75 Resp: 93032
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.022 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY021980.D
 Acq: 23 Apr 2025 18:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-3



Tgt Ion: 75 Resp: 93032
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.0 99.0#
 89 0.0 37.2 55.8#

