

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021970.D
 Acq On : 23 Apr 2025 14:40
 Operator : SY/MD
 Sample : Q1848-03
 Misc : 4.98g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-275

Quant Time: Apr 24 03:46:14 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)

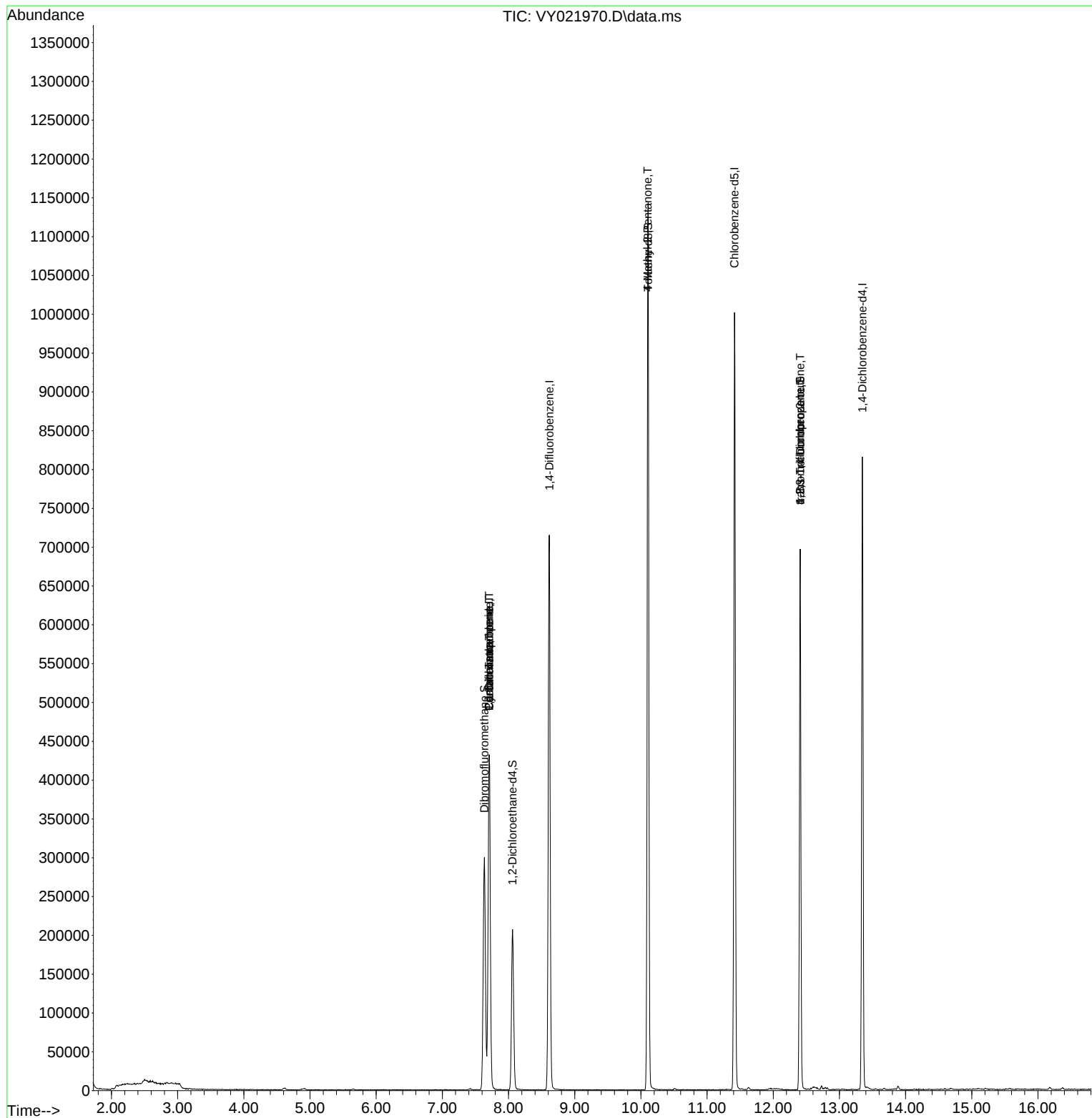
Internal Standards						
1) Pentafluorobenzene	7.707	168	348450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	649608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	561006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	211773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162377	50.450	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.900%	
35) Dibromofluoromethane	7.634	113	212323	49.473	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.940%	
50) Toluene-d8	10.109	98	767271	47.422	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.840%	
62) 4-Bromofluorobenzene	12.407	95	216280	39.709	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.420%	
Target Compounds						
					Qvalue	
16) Acetone	3.897	43	114	Below Cal	#	41
31) Cyclohexane	7.707	56	6765	1.271	ug/l #	17
36) 1,1-Dichloropropene	7.707	75	24799	4.302	ug/l #	48
38) Carbon Tetrachloride	7.707	117	34326	4.983	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	2407	1.155	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	103974	57.319	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	103974	138.034	ug/l #	16

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

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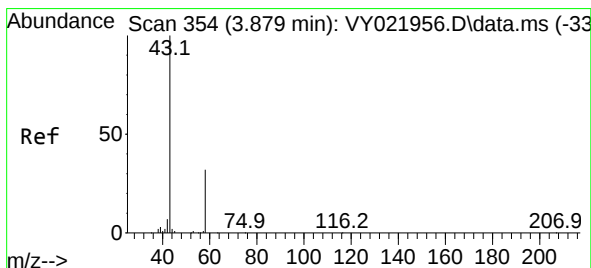
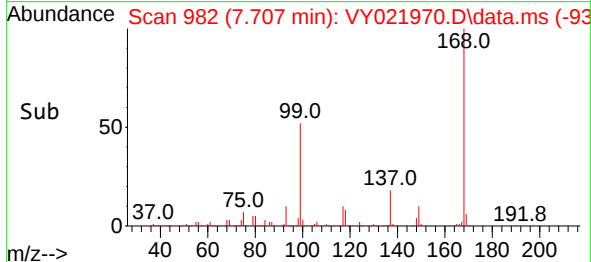
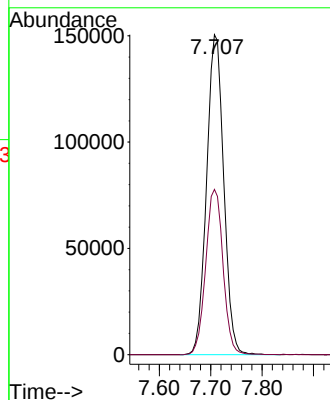
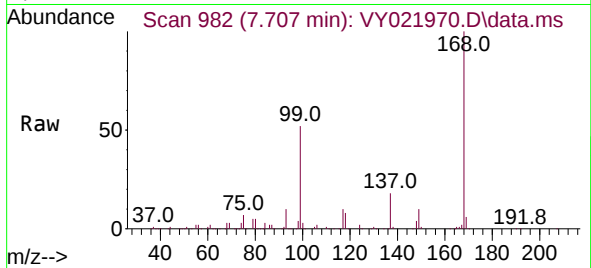




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021970.D
Acq: 23 Apr 2025 14:40

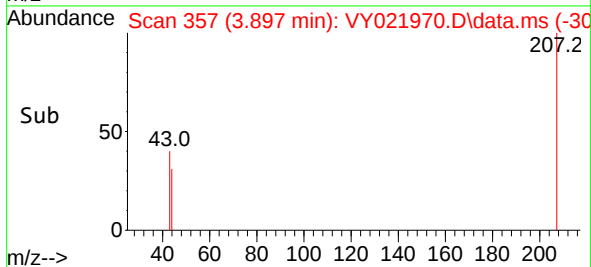
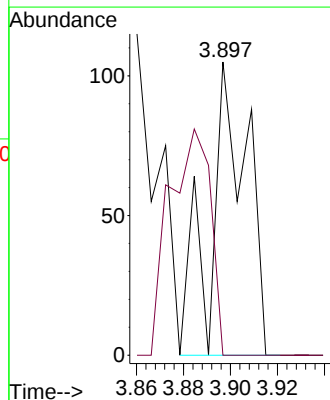
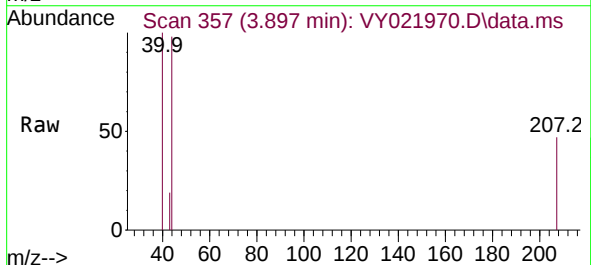
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-275

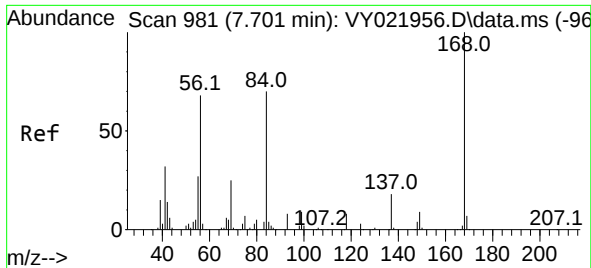
Tgt Ion:168 Resp: 348450
Ion Ratio Lower Upper
168 100
99 51.7 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.897 min Scan# 357
Delta R.T. 0.018 min
Lab File: VY021970.D
Acq: 23 Apr 2025 14:40

Tgt Ion: 43 Resp: 114
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

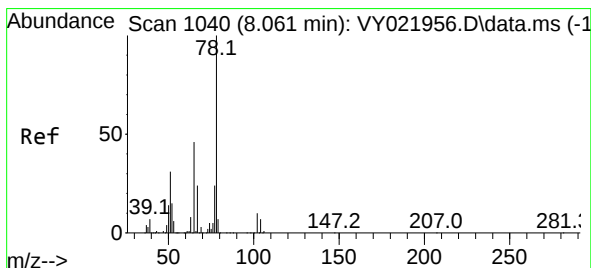
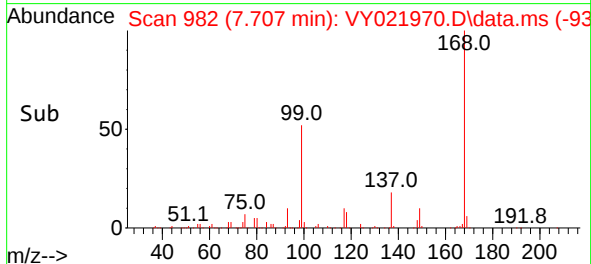
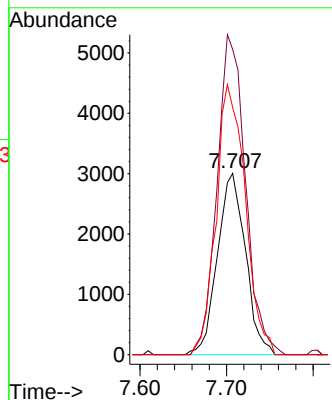
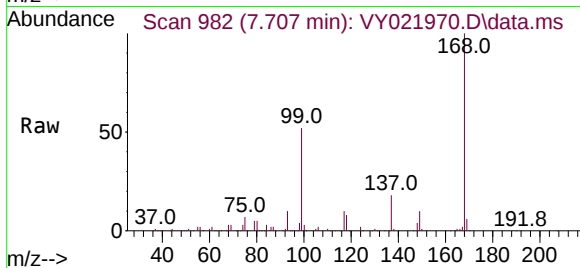




#31
Cyclohexane
Concen: 1.271 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021970.D
Acq: 23 Apr 2025 14:40

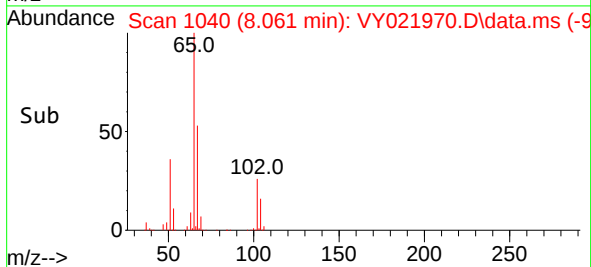
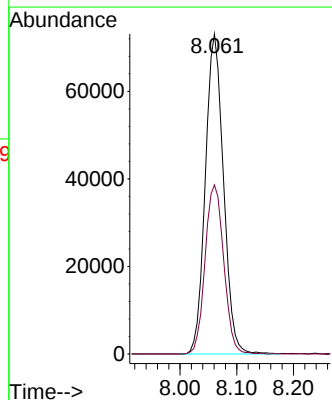
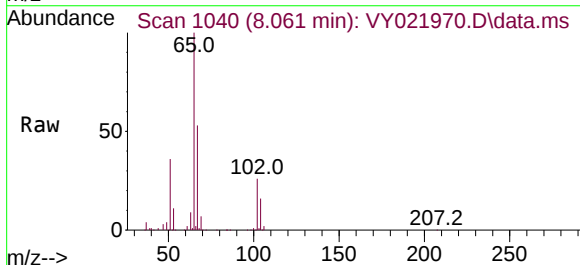
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-275

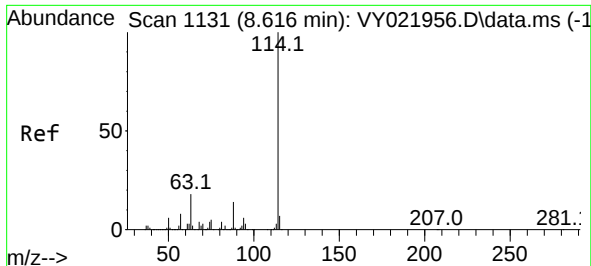
Tgt Ion: 56 Resp: 6765
Ion Ratio Lower Upper
56 100
69 168.3 29.4 44.2#
84 136.3 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 50.450 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021970.D
Acq: 23 Apr 2025 14:40

Tgt Ion: 65 Resp: 162377
Ion Ratio Lower Upper
65 100
67 54.3 0.0 105.8

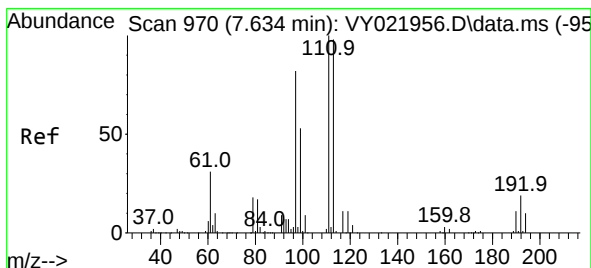
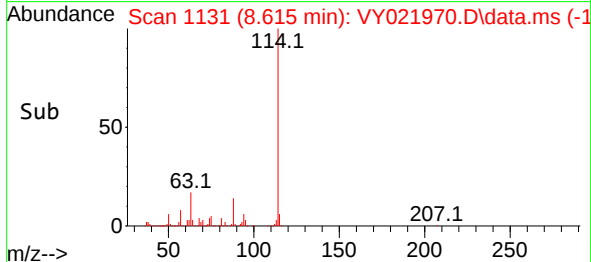
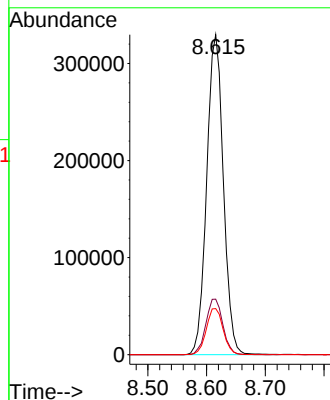
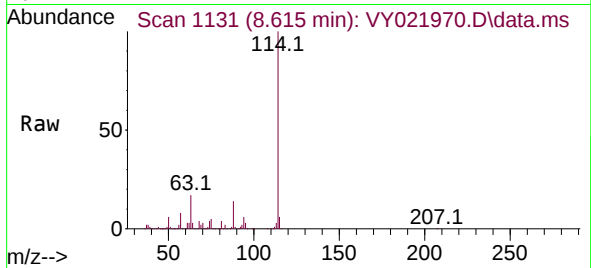




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021970.D
Acq: 23 Apr 2025 14:40

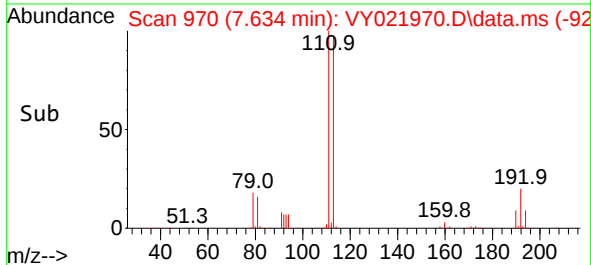
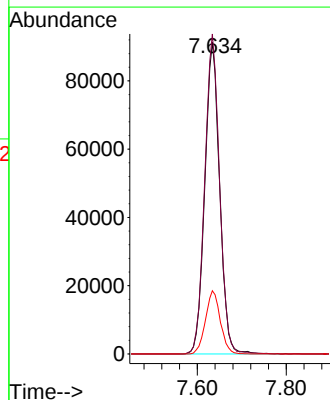
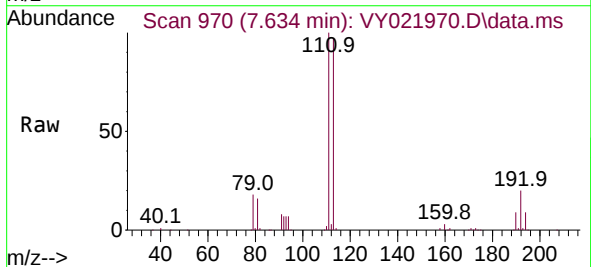
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-275

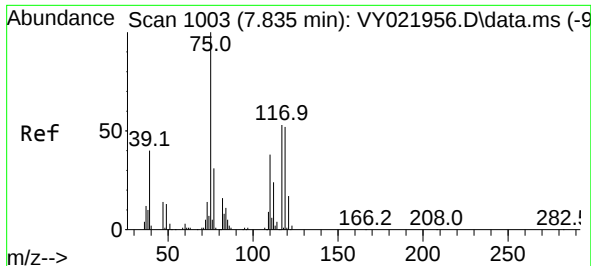
Tgt Ion:114 Resp: 649608
Ion Ratio Lower Upper
114 100
63 17.3 0.0 35.4
88 14.4 0.0 28.2



#35
Dibromofluoromethane
Concen: 49.473 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021970.D
Acq: 23 Apr 2025 14:40

Tgt Ion:113 Resp: 212323
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 20.3 15.6 23.4

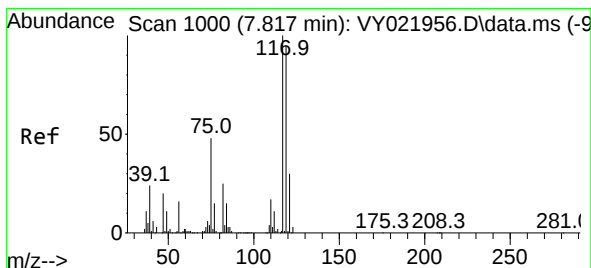
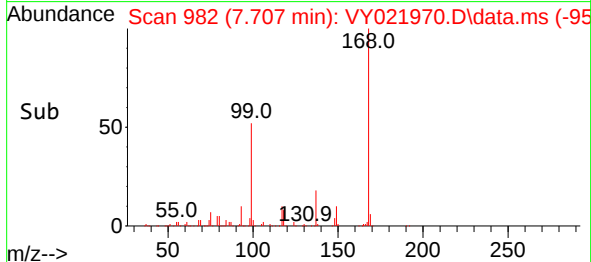
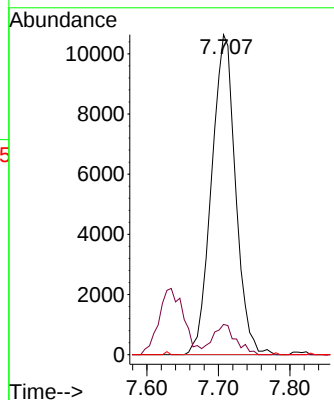
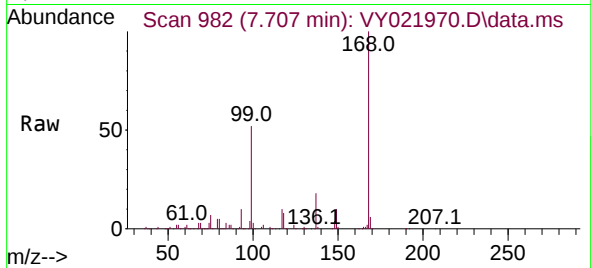




#36
 1,1-Dichloropropene
 Concen: 4.302 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY021970.D
 Acq: 23 Apr 2025 14:40

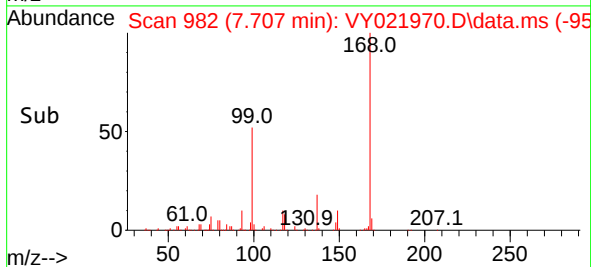
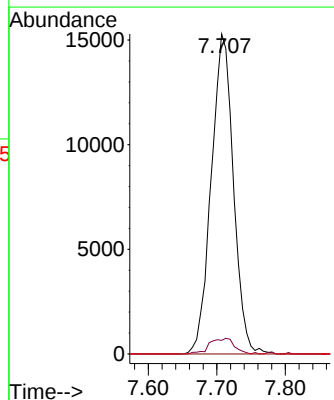
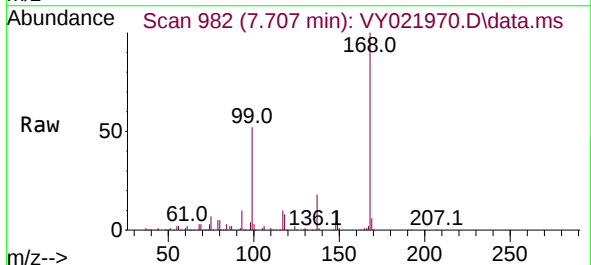
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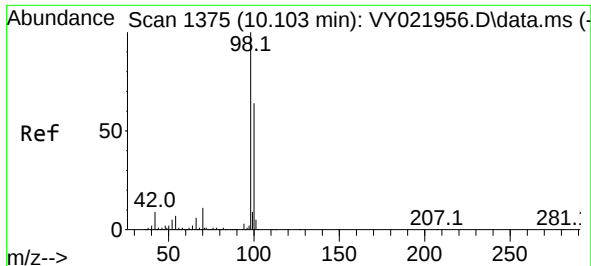
Tgt Ion: 75 Resp: 24799
 Ion Ratio Lower Upper
 75 100
 110 9.0 19.1 57.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 4.983 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.110 min
 Lab File: VY021970.D
 Acq: 23 Apr 2025 14:40

Tgt Ion: 117 Resp: 34326
 Ion Ratio Lower Upper
 117 100
 119 4.2 76.2 114.4#
 121 0.0 24.0 36.0#

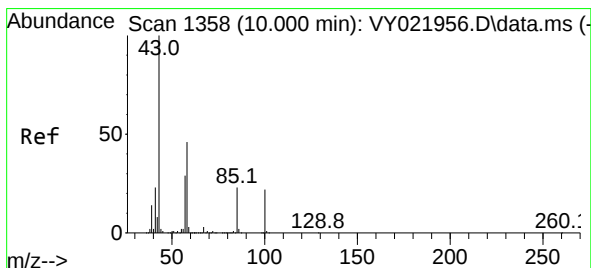
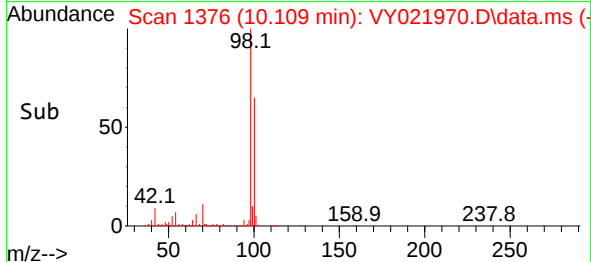
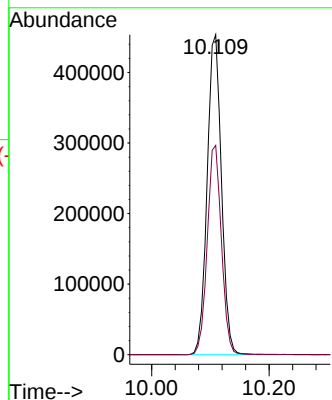
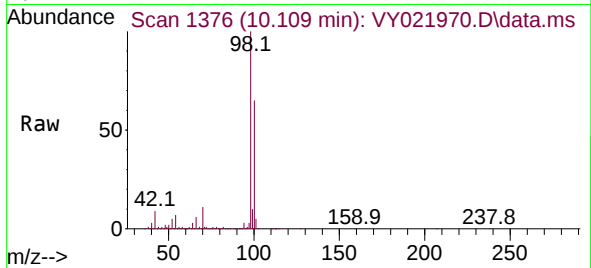




#50
Toluene-d8
Concen: 47.422 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021970.D
Acq: 23 Apr 2025 14:40

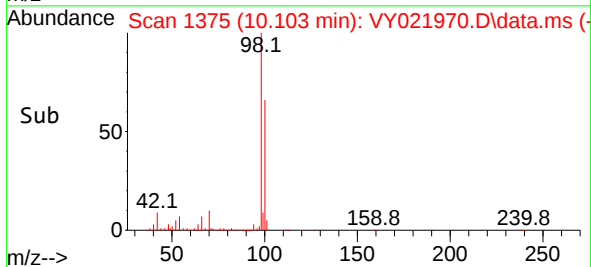
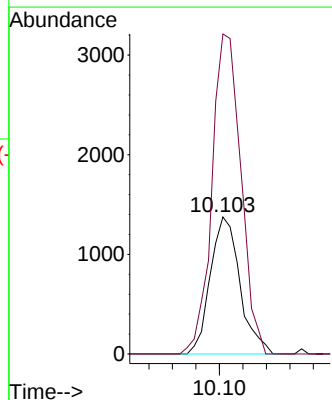
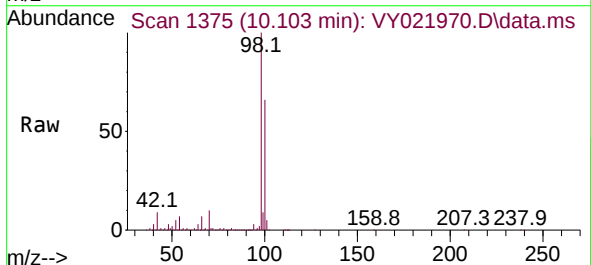
Instrument :
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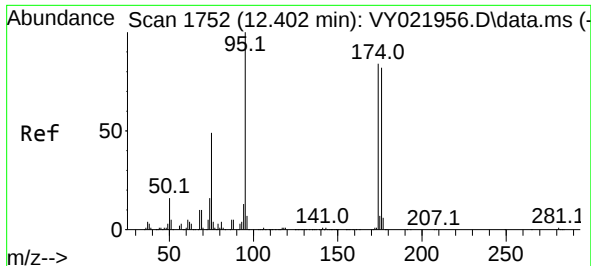
Tgt Ion: 98 Resp: 767271
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.155 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY021970.D
Acq: 23 Apr 2025 14:40

Tgt Ion: 43 Resp: 2407
Ion Ratio Lower Upper
43 100
58 228.3 36.6 55.0#

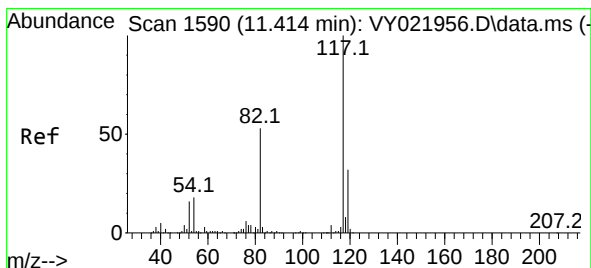
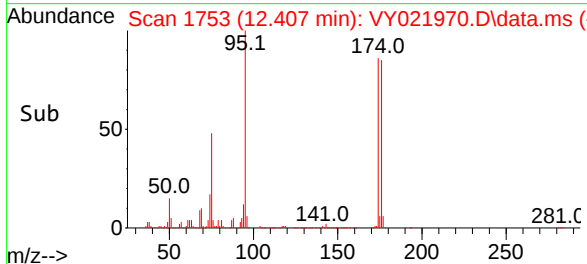
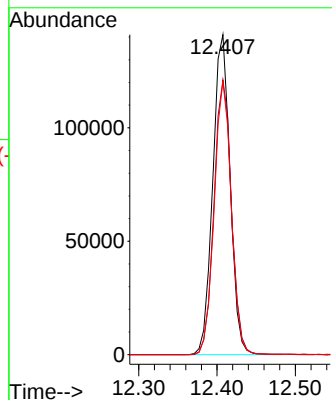
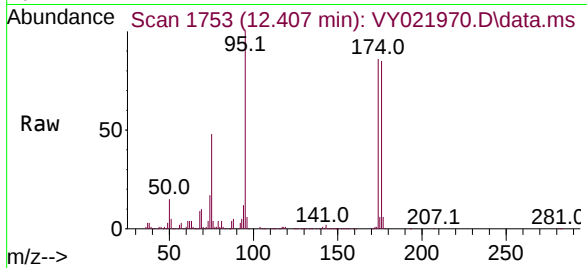




#62
4-Bromofluorobenzene
Concen: 39.709 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021970.D
Acq: 23 Apr 2025 14:40

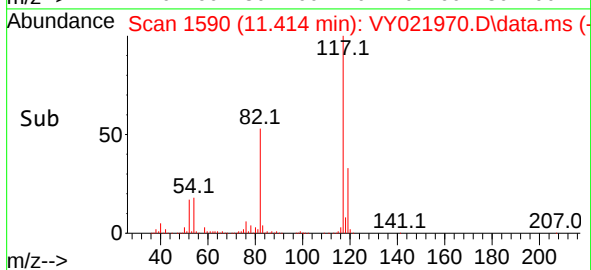
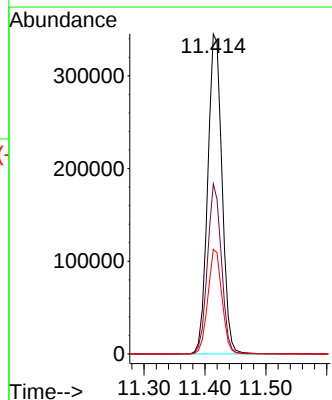
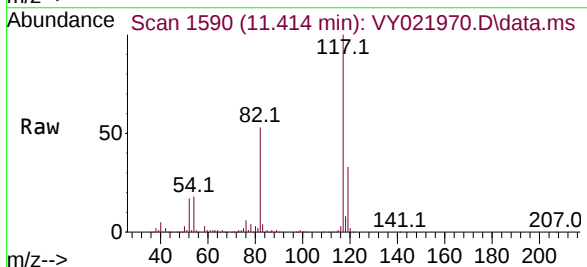
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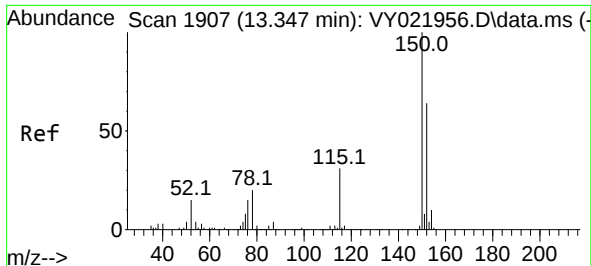
Tgt Ion: 95 Resp: 216280
Ion Ratio Lower Upper
95 100
174 86.9 0.0 179.0
176 84.5 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY021970.D
Acq: 23 Apr 2025 14:40

Tgt Ion: 117 Resp: 561006
Ion Ratio Lower Upper
117 100
82 53.1 42.1 63.1
119 32.7 25.7 38.5

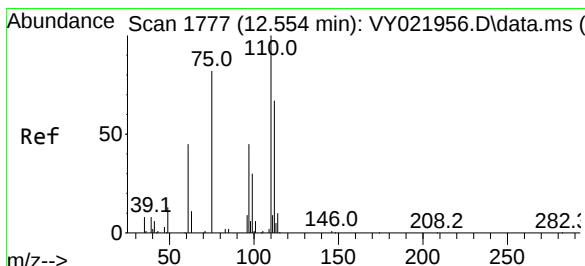
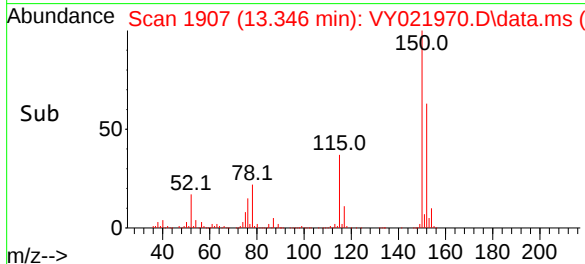
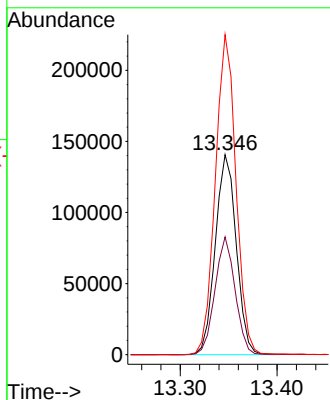
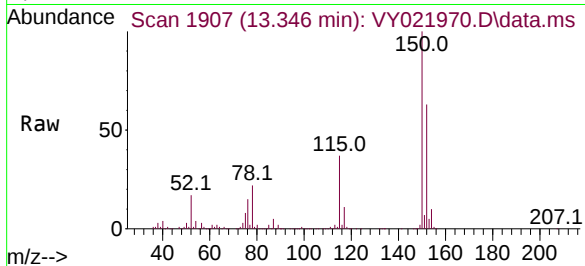




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY021970.D
 Acq: 23 Apr 2025 14:40

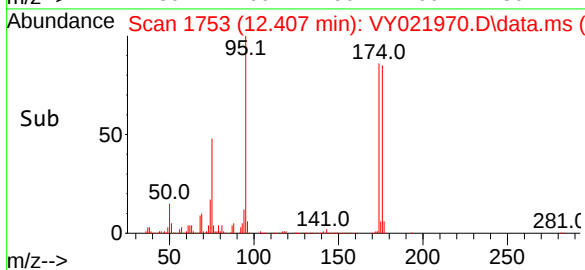
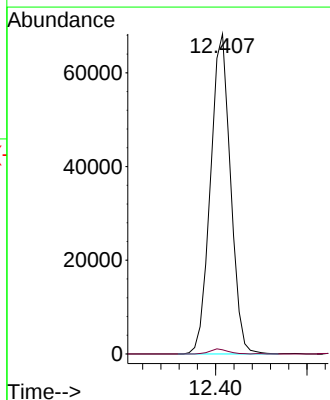
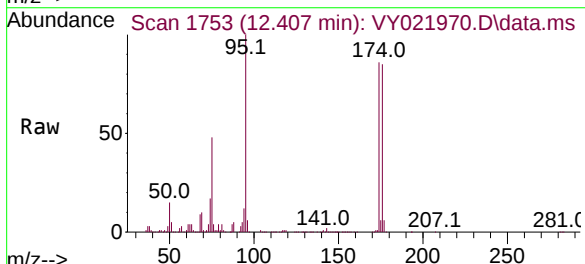
Instrument :
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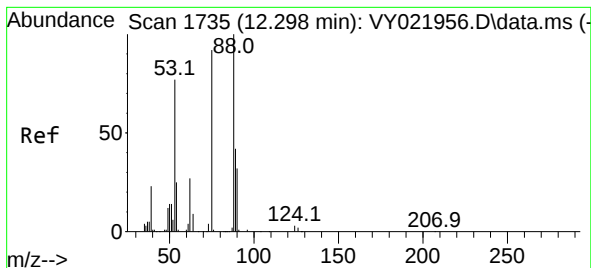
Tgt Ion:152 Resp: 211773
 Ion Ratio Lower Upper
 152 100
 115 56.7 28.0 84.0
 150 157.5 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 57.319 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.147 min
 Lab File: VY021970.D
 Acq: 23 Apr 2025 14:40

Tgt Ion: 75 Resp: 103974
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.034 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY021970.D
 Acq: 23 Apr 2025 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-275

Tgt Ion: 75 Resp: 103974
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.0 99.0#
 89 0.0 37.2 55.8#

