

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023033.D
 Acq On : 21 Jul 2025 17:43
 Operator : SY/MD
 Sample : Q2651-04
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH 8-7

Quant Time: Jul 22 04:55:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

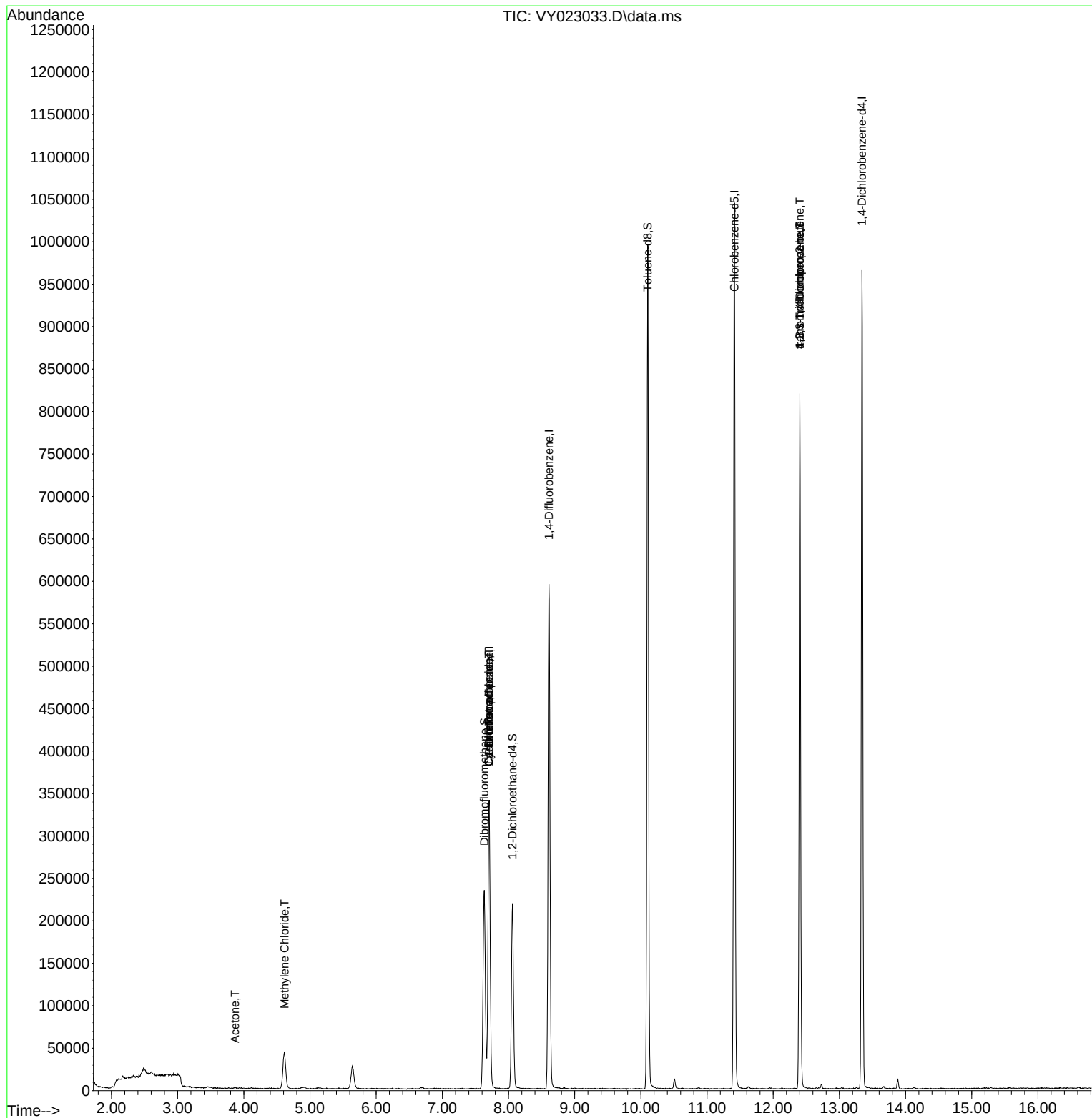
Internal Standards						
1) Pentafluorobenzene	7.707	168	255550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	497344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	529238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	236661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170105	65.753	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 131.500%			
35) Dibromofluoromethane	7.634	113	165476	52.452	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.900%			
50) Toluene-d8	10.103	98	628973	50.274	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.540%			
62) 4-Bromofluorobenzene	12.401	95	230828	58.612	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.220%			
Target Compounds					Qvalue	
16) Acetone	3.866	43	1478	3.152	ug/l #	76
20) Methylene Chloride	4.616	84	30745	1.186	ug/l	98
31) Cyclohexane	7.701	56	6588	1.279	ug/l #	55
36) 1,1-Dichloropropene	7.701	75	22416	4.511	ug/l #	50
38) Carbon Tetrachloride	7.701	117	26174	4.848	ug/l #	18
76) 1,2,3-Trichloropropane	12.401	75	126945	43.047	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	126945	128.214	ug/l #	12

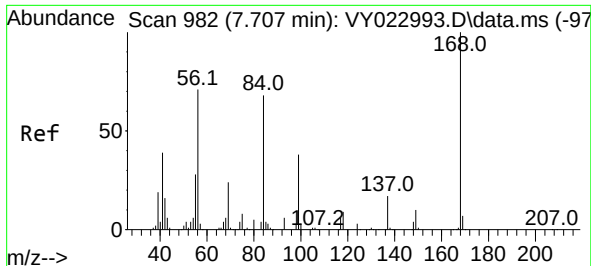
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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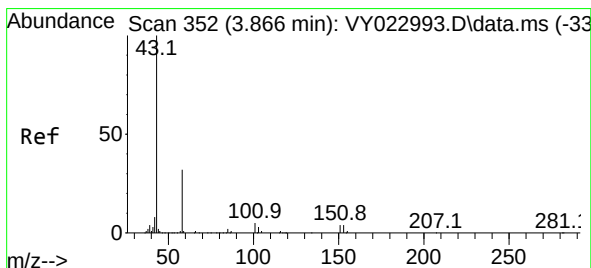
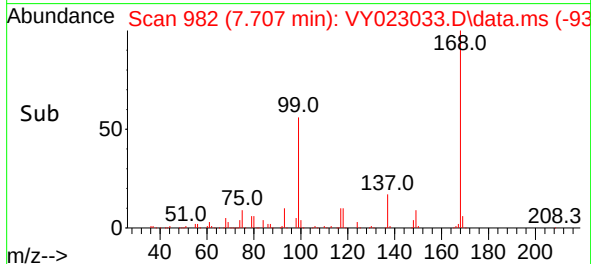
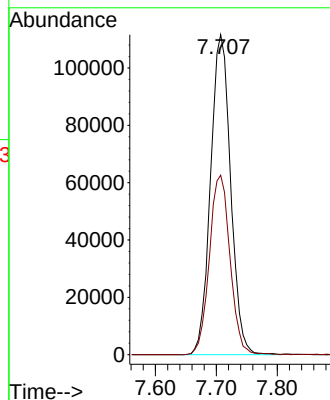
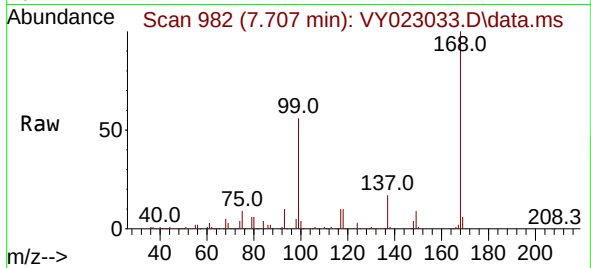




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

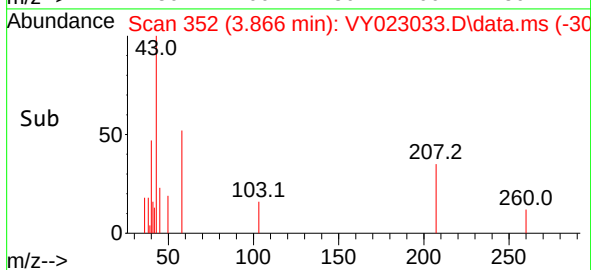
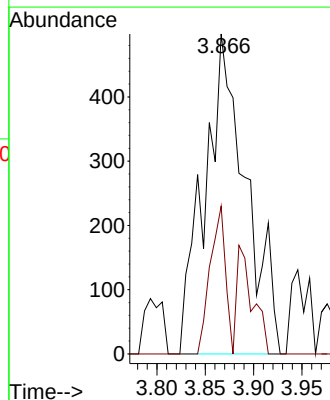
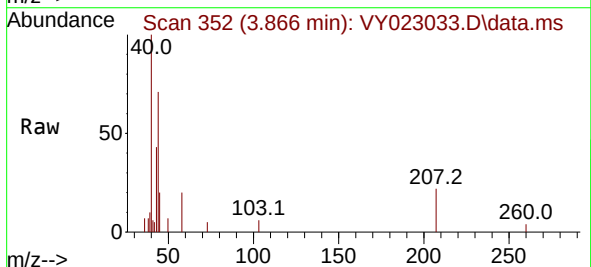
Instrument :
MSVOA_Y
ClientSampleId :
MH 8-7

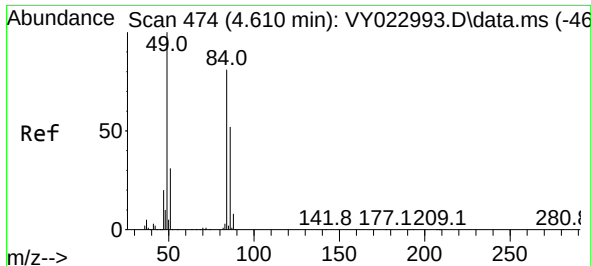
Tgt Ion:168 Resp: 255550
Ion Ratio Lower Upper
168 100
99 56.1 44.4 66.6



#16
Acetone
Concen: 3.152 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

Tgt Ion: 43 Resp: 1478
Ion Ratio Lower Upper
43 100
58 46.2 26.2 39.4#

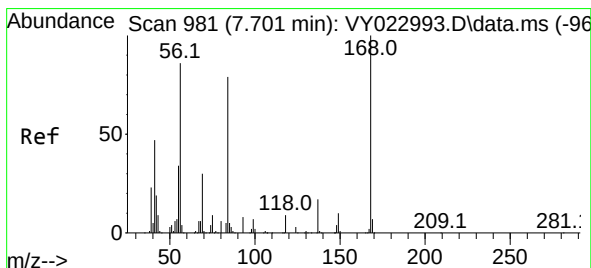
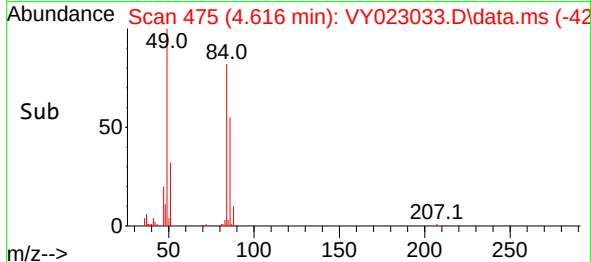
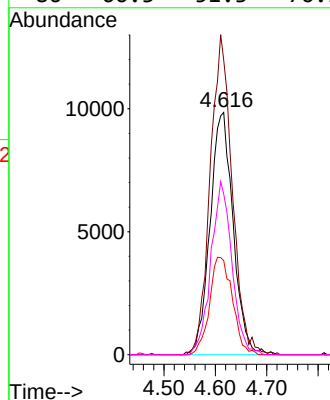
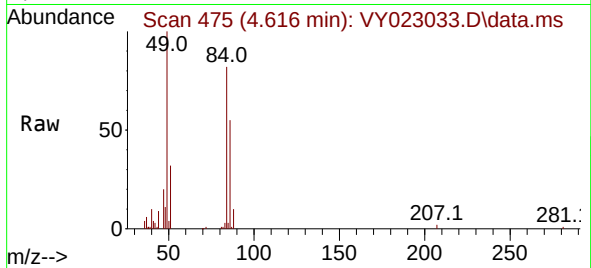




#20
Methylene Chloride
Concen: 1.186 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

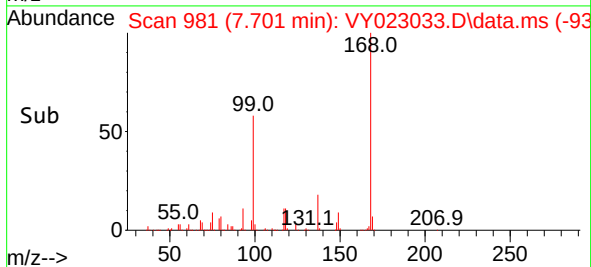
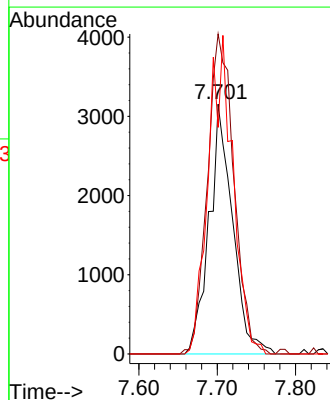
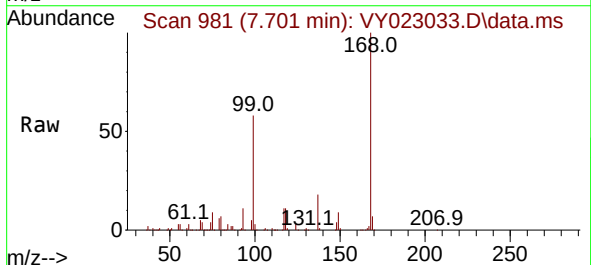
Instrument :
MSVOA_Y
ClientSampleId :
MH 8-7

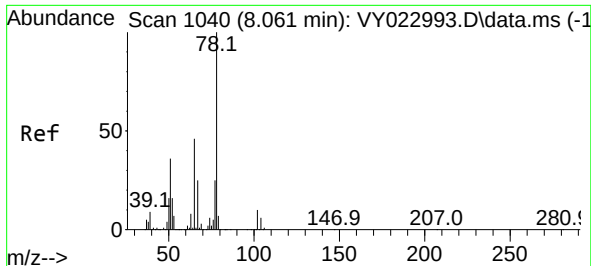
Tgt Ion:	84	Resp:	30745
Ion	Ratio	Lower	Upper
84	100		
49	121.6	98.2	147.4
51	38.8	30.5	45.7
86	66.3	51.3	76.9



#31
Cyclohexane
Concen: 1.279 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

Tgt Ion:	56	Resp:	6588
Ion	Ratio	Lower	Upper
56	100		
69	128.1	28.1	42.1#
84	90.7	73.5	110.3





#33

1,2-Dichloroethane-d4

Concen: 65.753 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY023033.D

Acq: 21 Jul 2025 17:43

Instrument :

MSVOA_Y

ClientSampleId :

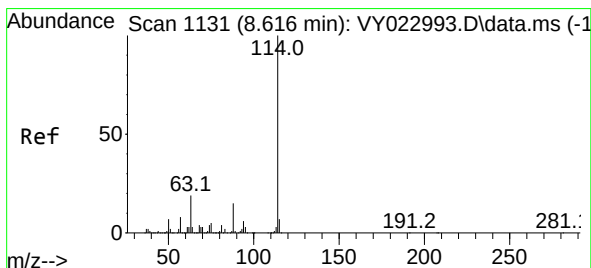
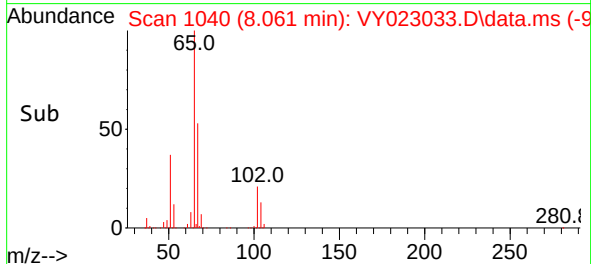
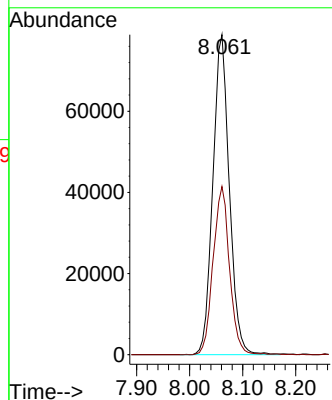
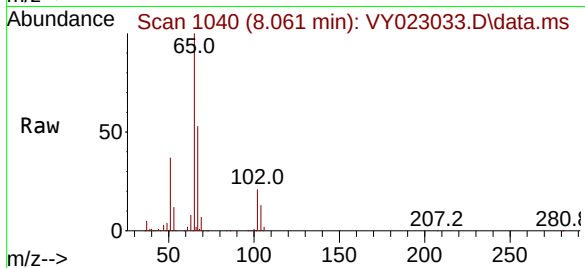
MH 8-7

Tgt Ion: 65 Resp: 170105

Ion Ratio Lower Upper

65 100

67 52.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY023033.D

Acq: 21 Jul 2025 17:43

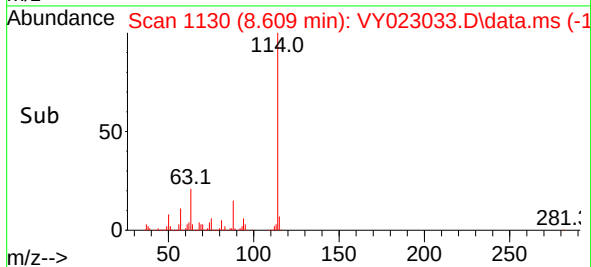
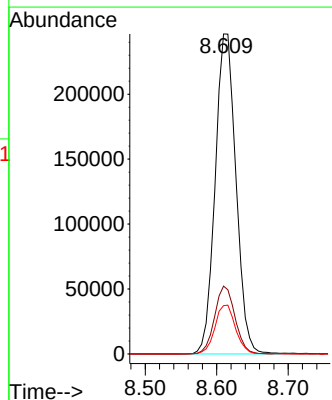
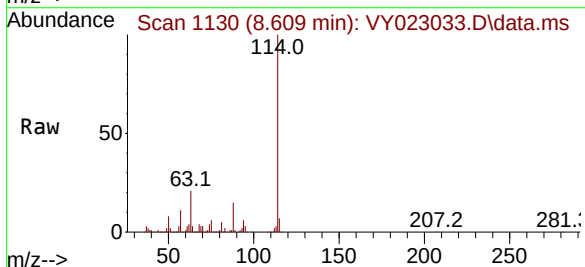
Tgt Ion: 114 Resp: 497344

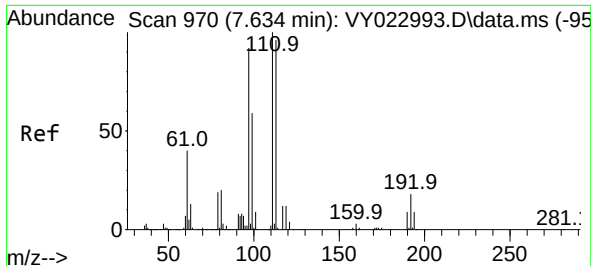
Ion Ratio Lower Upper

114 100

63 21.2 0.0 38.8

88 15.1 0.0 30.2

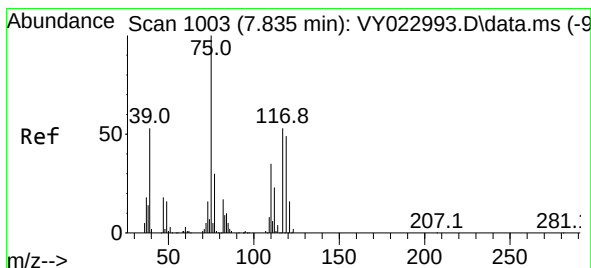
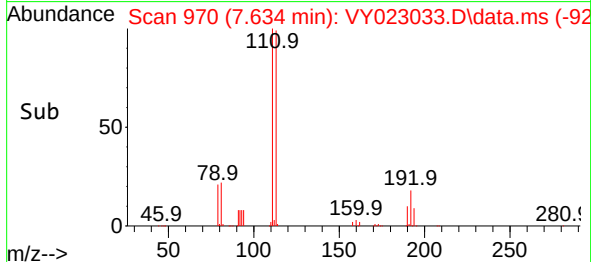
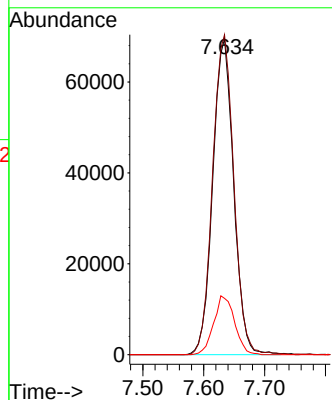
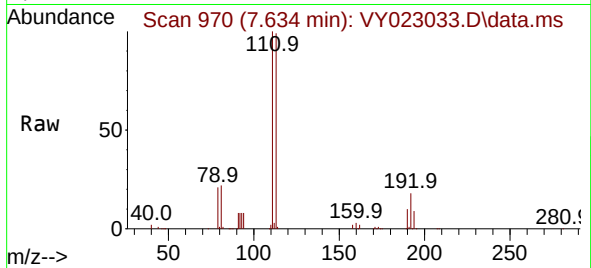




#35
Dibromofluoromethane
Concen: 52.452 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

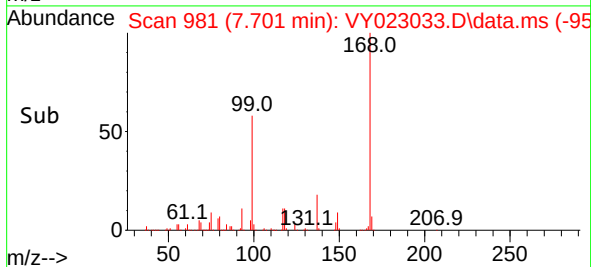
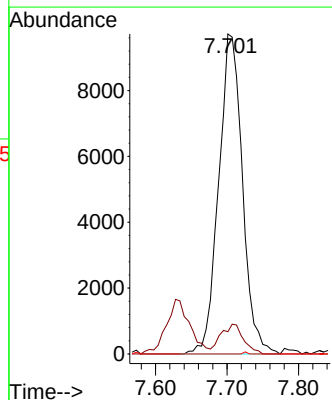
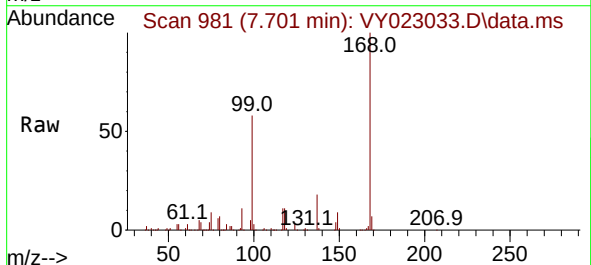
Instrument :
MSVOA_Y
ClientSampleId :
MH 8-7

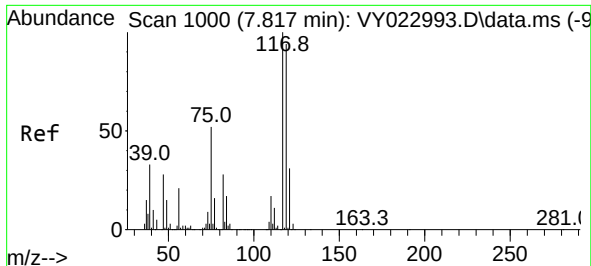
Tgt Ion:113 Resp: 165476
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 18.6 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.511 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

Tgt Ion: 75 Resp: 22416
Ion Ratio Lower Upper
75 100
110 8.8 17.3 51.9#
77 0.0 24.6 37.0#

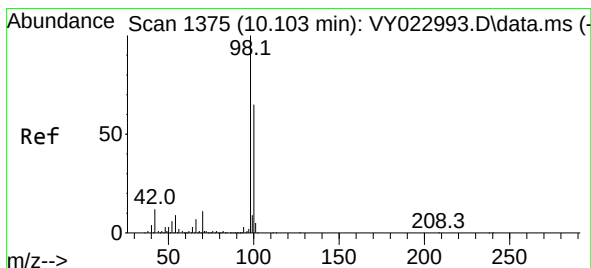
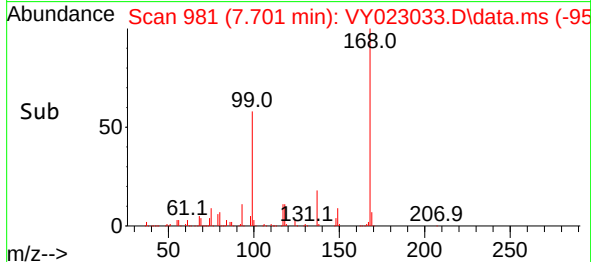
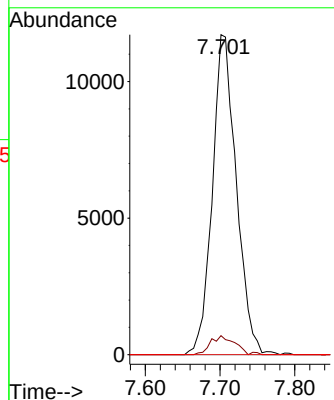
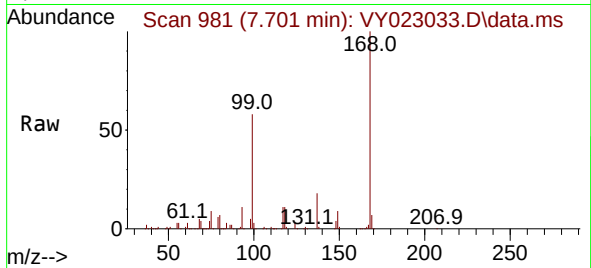




#38
Carbon Tetrachloride
Concen: 4.848 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

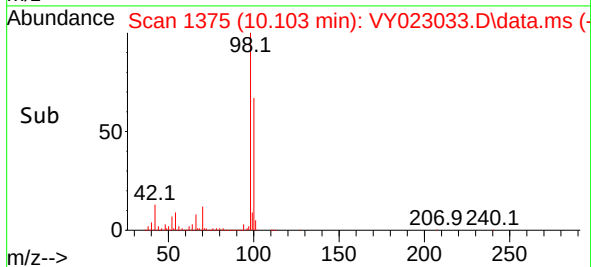
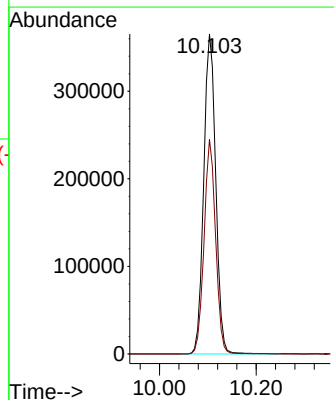
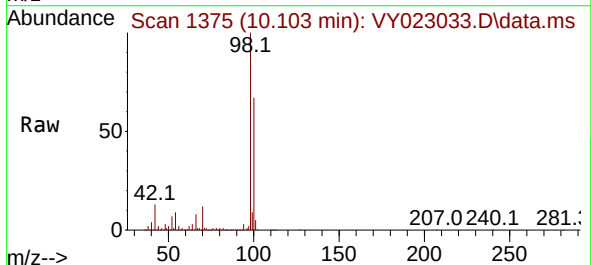
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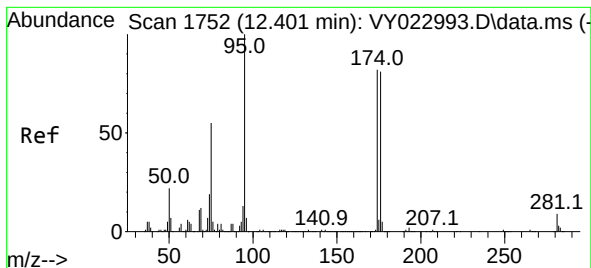
Tgt Ion:117 Resp: 26174
Ion Ratio Lower Upper
117 100
119 5.9 74.9 112.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 50.274 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

Tgt Ion: 98 Resp: 628973
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2

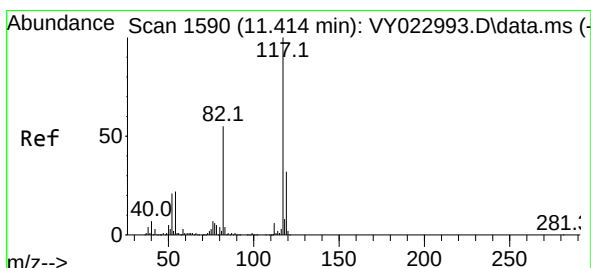
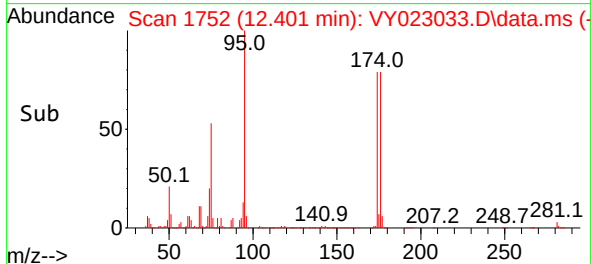
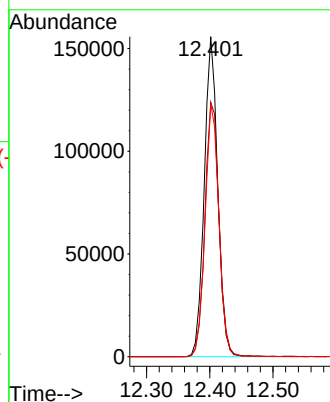
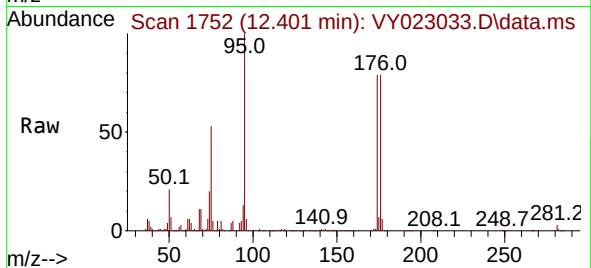




#62
4-Bromofluorobenzene
Concen: 58.612 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

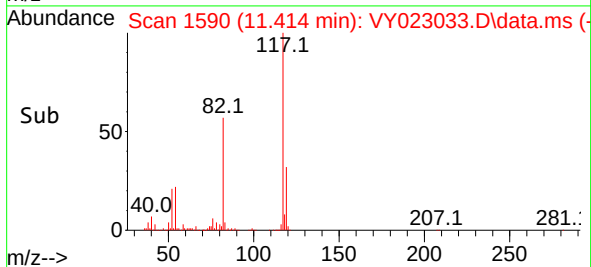
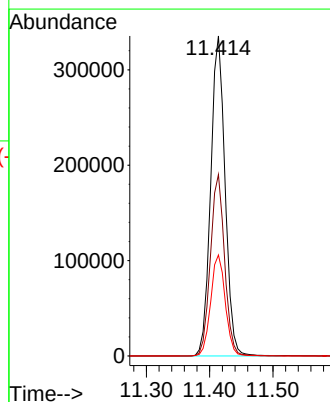
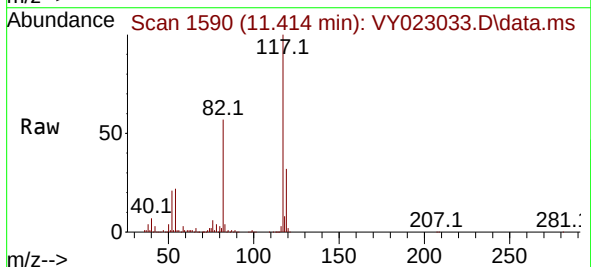
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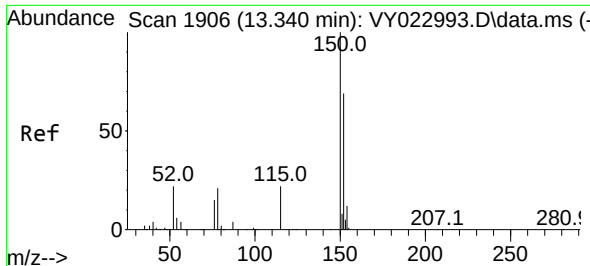
Tgt Ion: 95 Resp: 230828
Ion Ratio Lower Upper
95 100
174 83.8 0.0 170.8
176 80.8 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023033.D
Acq: 21 Jul 2025 17:43

Tgt Ion: 117 Resp: 529238
Ion Ratio Lower Upper
117 100
82 56.7 44.3 66.5
119 31.5 25.8 38.8

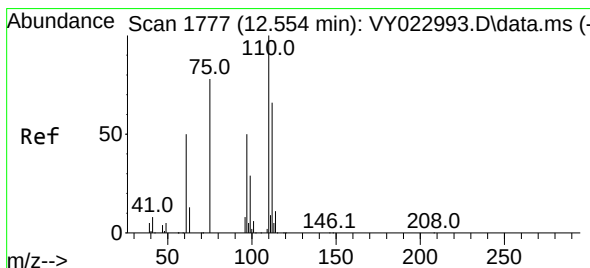
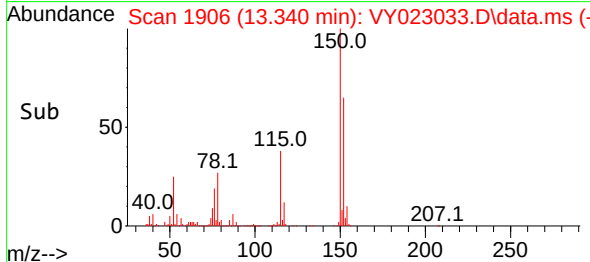
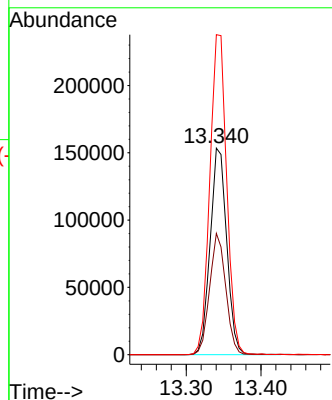
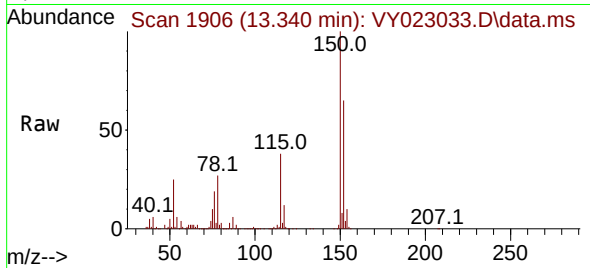




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. 0.000 min
 Lab File: VY023033.D
 Acq: 21 Jul 2025 17:43

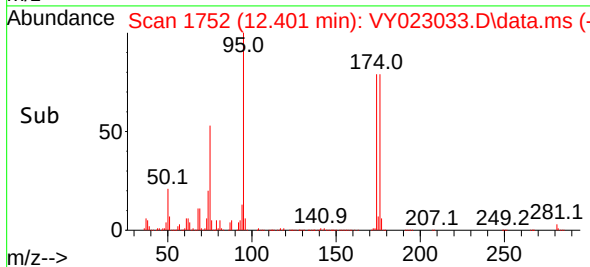
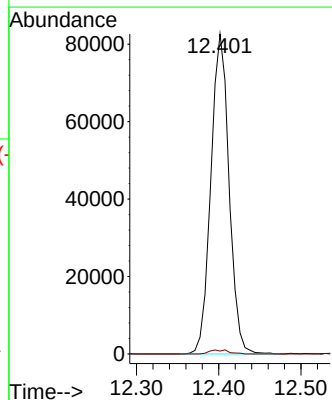
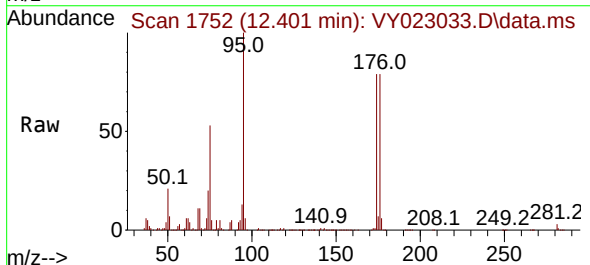
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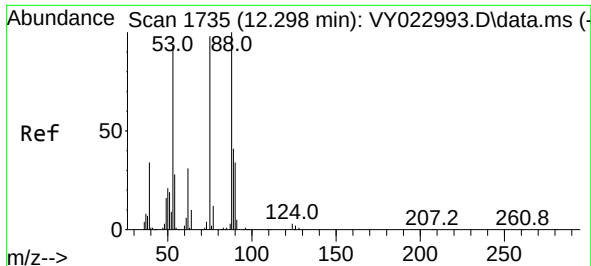
Tgt Ion:152 Resp: 236661
 Ion Ratio Lower Upper
 152 100
 115 57.0 29.4 88.2
 150 157.4 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 43.047 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY023033.D
 Acq: 21 Jul 2025 17:43

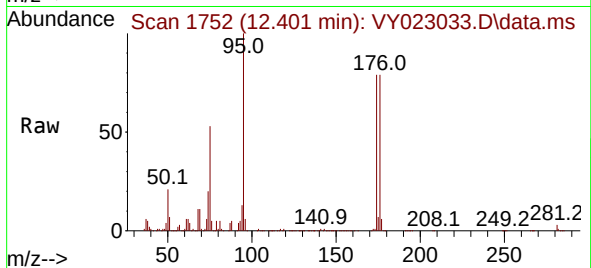
Tgt Ion: 75 Resp: 126945
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.214 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023033.D
 Acq: 21 Jul 2025 17:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH 8-7



Tgt Ion: 75 Resp: 126945
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.0 36.1 54.1#

