

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023224.D
 Acq On : 28 Aug 2025 14:18
 Operator : SY/MD
 Sample : Q2970-17
 Misc : 4.57g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP9

Quant Time: Aug 29 02:10:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

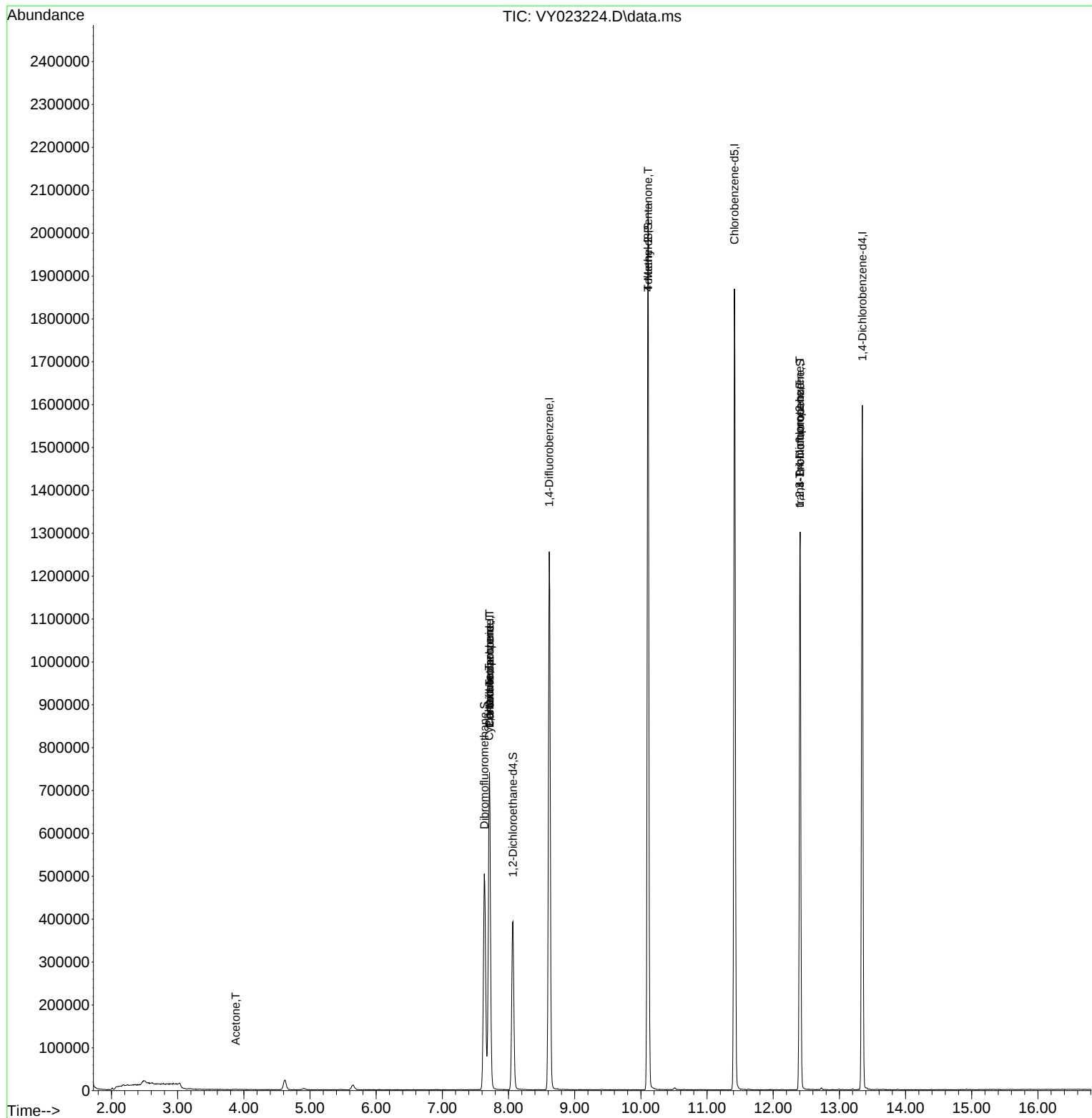
Internal Standards						
1) Pentafluorobenzene	7.713	168	600093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1121746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1021149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	414618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	312583	54.654	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.300%	
35) Dibromofluoromethane	7.634	113	354977	52.886	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.780%	
50) Toluene-d8	10.109	98	1354480	51.655	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.300%	
62) 4-Bromofluorobenzene	12.408	95	398030	47.200	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.400%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1535	1.239	ug/l #	80
31) Cyclohexane	7.707	56	11375	1.068	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	44389	4.450	ug/l #	50
38) Carbon Tetrachloride	7.713	117	57285	5.287	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	5385	1.233	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	203996	50.980	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	203996	123.406	ug/l #	14

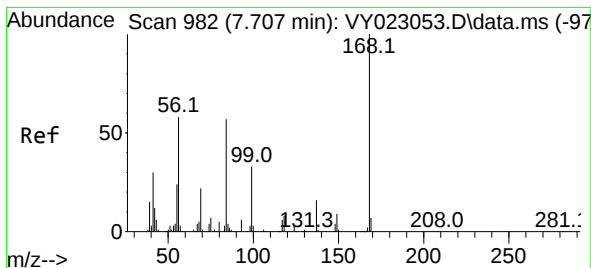
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023224.D

Acq: 28 Aug 2025 14:18

Instrument :

MSVOA_Y

ClientSampleId :

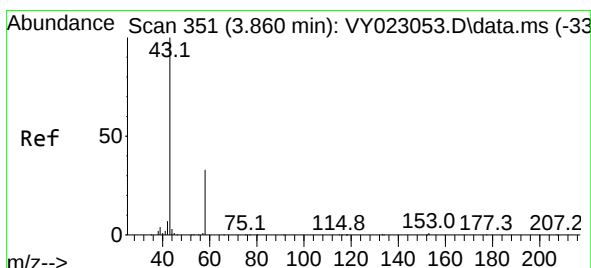
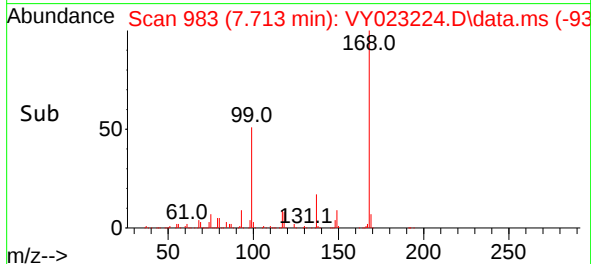
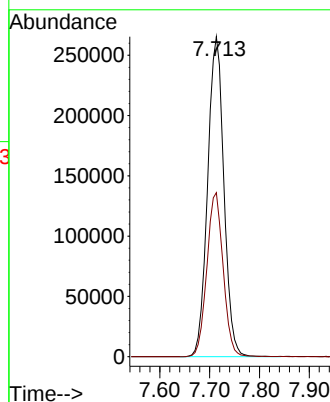
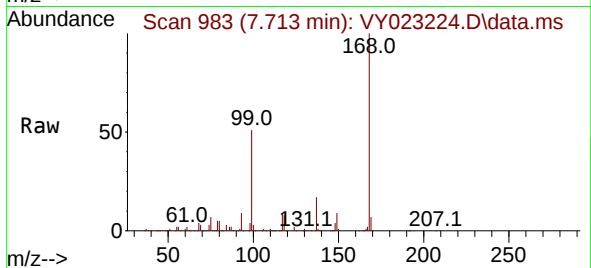
TP9

Tgt Ion:168 Resp: 600093

Ion Ratio Lower Upper

168 100

99 51.2 42.8 64.2



#16

Acetone

Concen: 1.239 ug/l

RT: 3.879 min Scan# 354

Delta R.T. 0.018 min

Lab File: VY023224.D

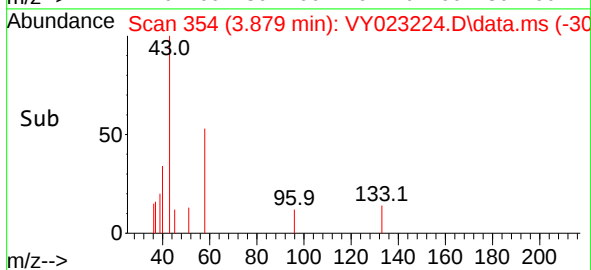
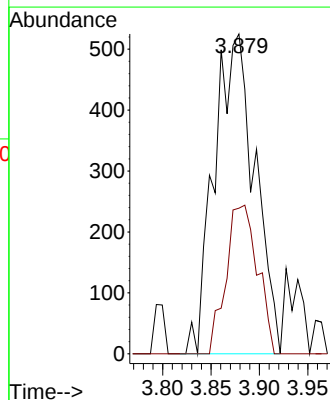
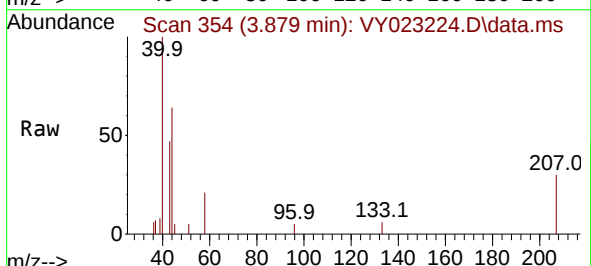
Acq: 28 Aug 2025 14:18

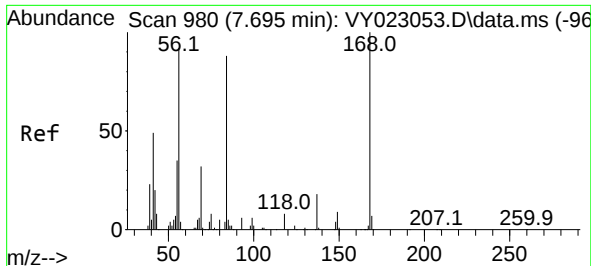
Tgt Ion: 43 Resp: 1535

Ion Ratio Lower Upper

43 100

58 45.5 27.1 40.7#

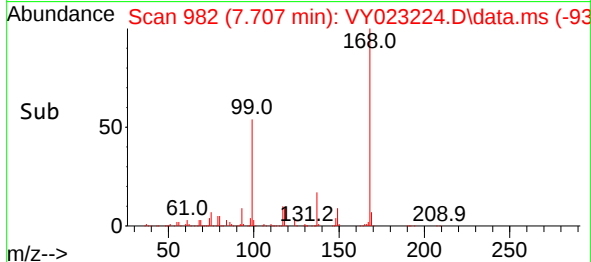
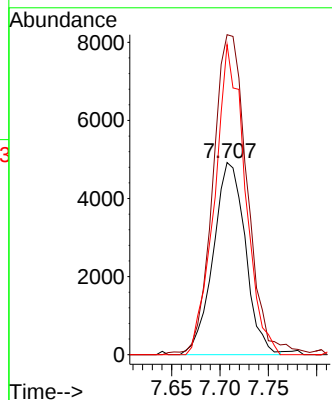
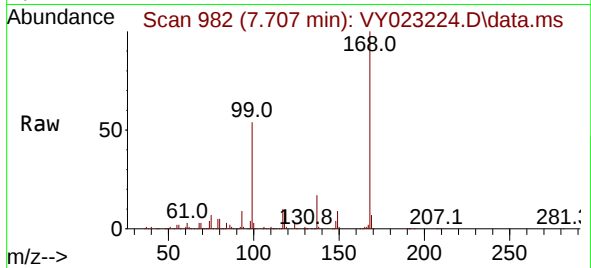




#31
Cyclohexane
Concen: 1.068 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023224.D
Acq: 28 Aug 2025 14:18

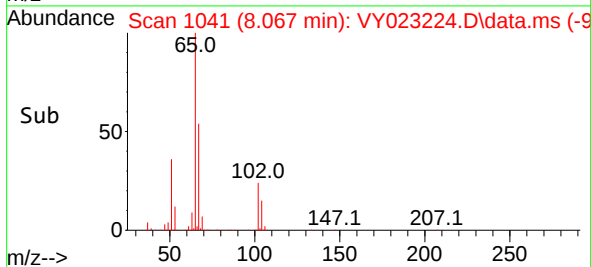
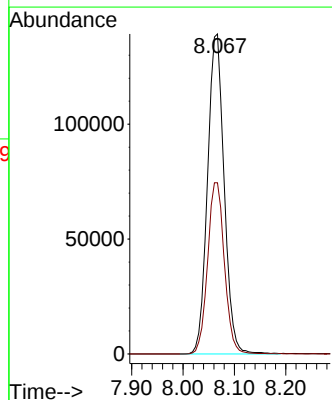
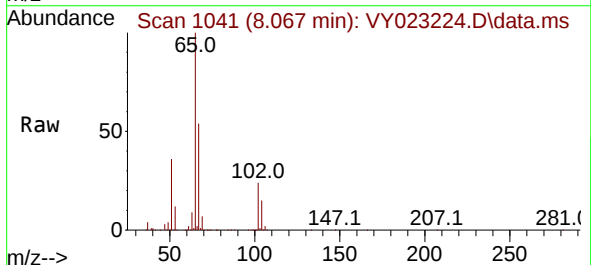
Instrument :
MSVOA_Y
ClientSampleId :
TP9

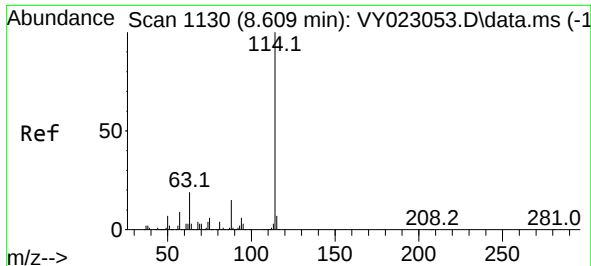
Tgt Ion: 56 Resp: 11375
Ion Ratio Lower Upper
56 100
69 165.2 28.2 42.2#
84 161.4 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 54.654 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023224.D
Acq: 28 Aug 2025 14:18

Tgt Ion: 65 Resp: 312583
Ion Ratio Lower Upper
65 100
67 54.1 0.0 106.8

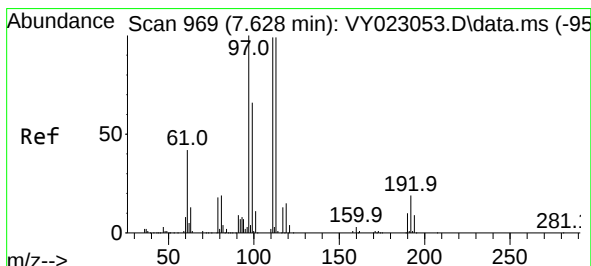
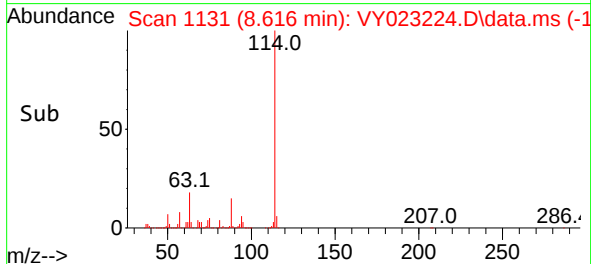
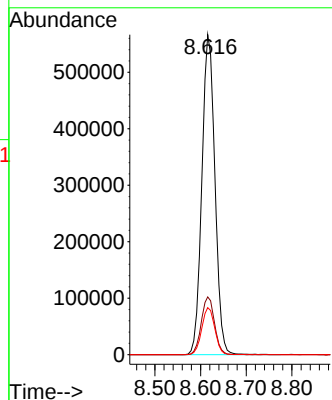
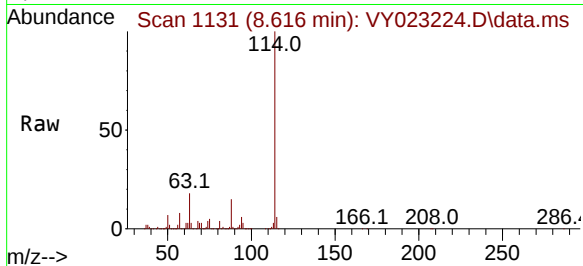




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023224.D
Acq: 28 Aug 2025 14:18

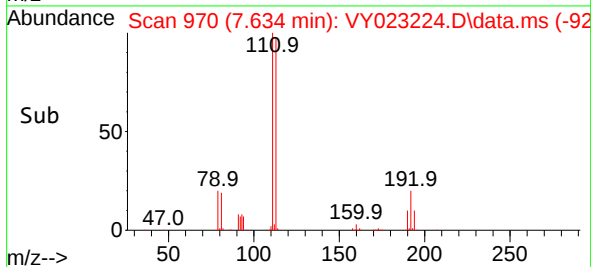
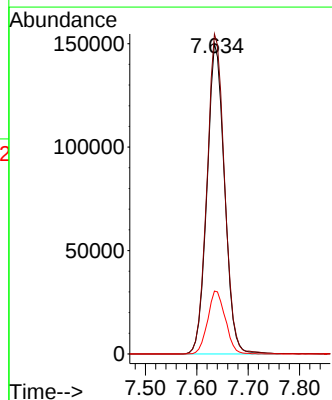
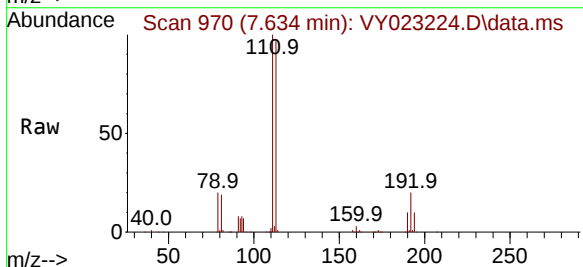
Instrument :
MSVOA_Y
ClientSampleId :
TP9

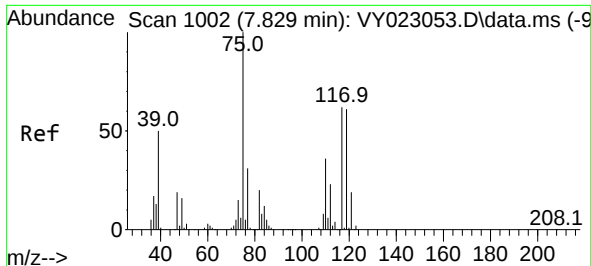
Tgt Ion:114 Resp: 1121746
Ion Ratio Lower Upper
114 100
63 18.1 0.0 38.4
88 14.7 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.886 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023224.D
Acq: 28 Aug 2025 14:18

Tgt Ion:113 Resp: 354977
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 20.4 16.2 24.4

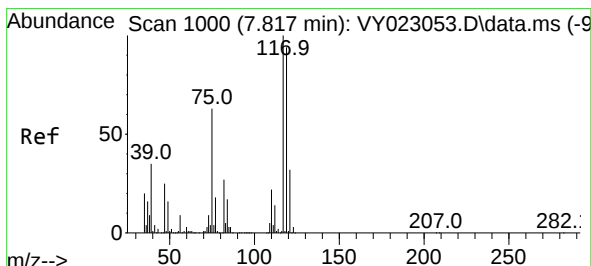
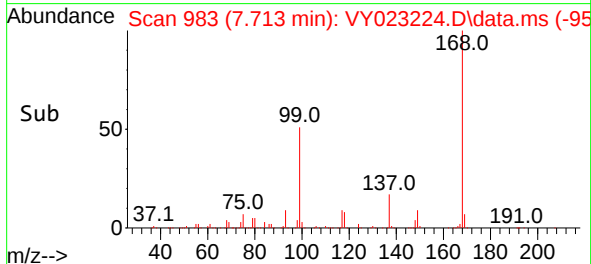
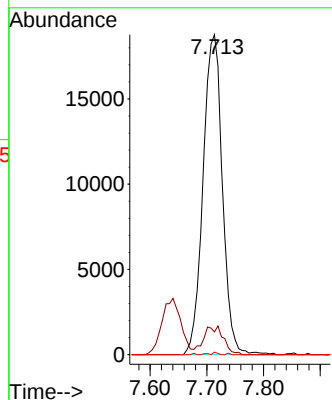
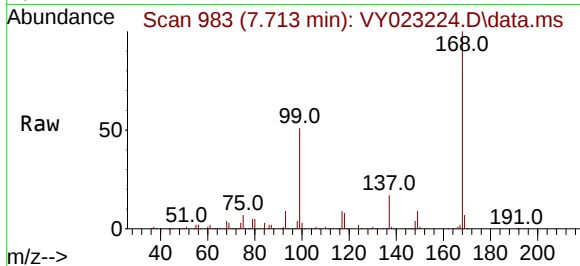




#36
1,1-Dichloropropene
Concen: 4.450 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY023224.D
Acq: 28 Aug 2025 14:18

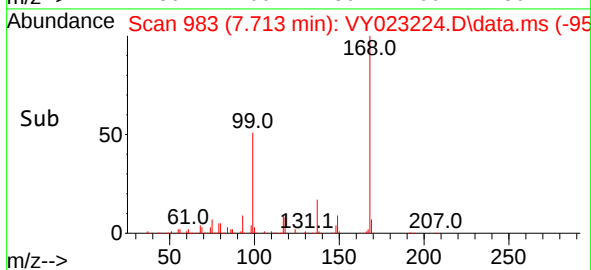
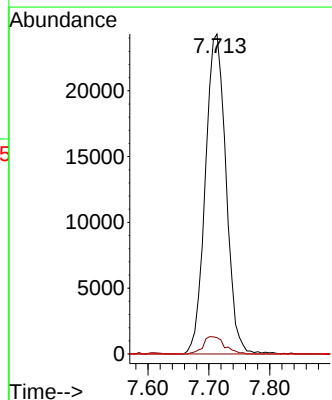
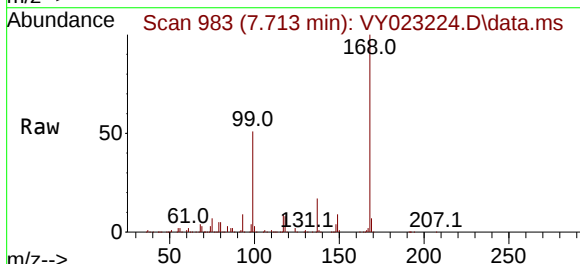
Instrument :
MSVOA_Y
ClientSampleId :
TP9

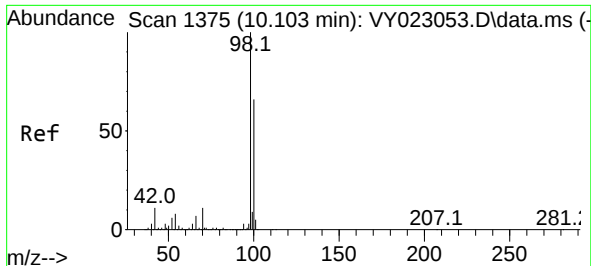
Tgt Ion: 75 Resp: 44389
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.3 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.287 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.103 min
Lab File: VY023224.D
Acq: 28 Aug 2025 14:18

Tgt Ion: 117 Resp: 57285
Ion Ratio Lower Upper
117 100
119 5.1 75.6 113.4#
121 0.0 25.8 38.8#

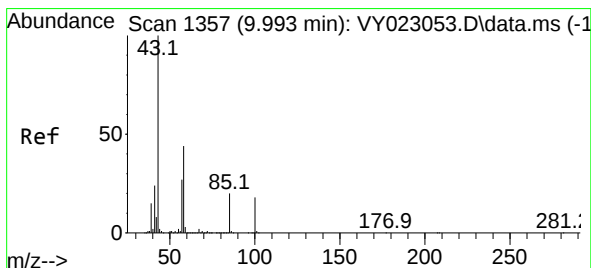
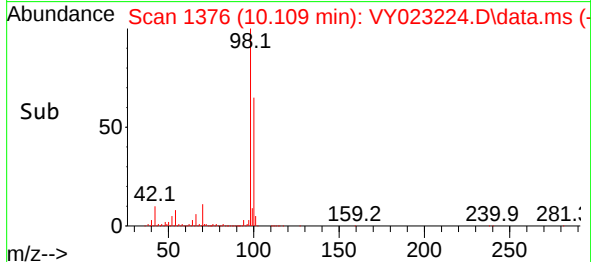
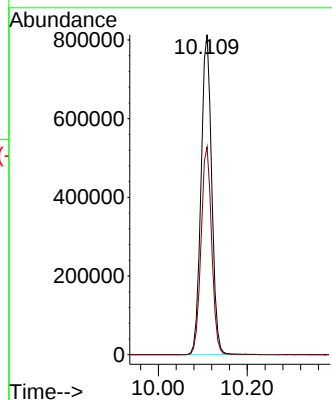
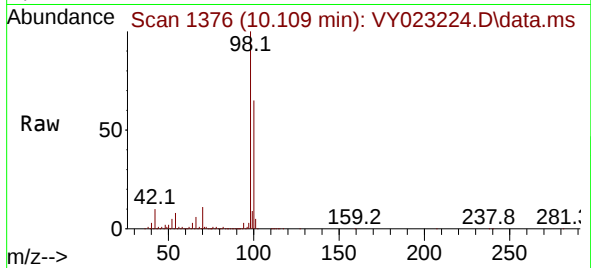




#50
Toluene-d8
Concen: 51.655 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023224.D
Acq: 28 Aug 2025 14:18

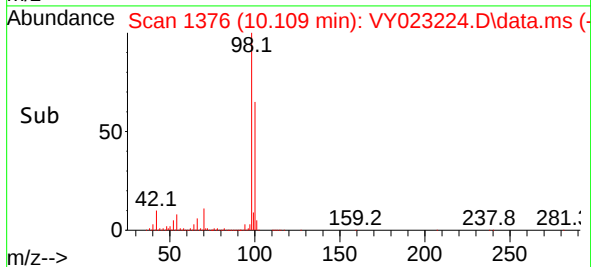
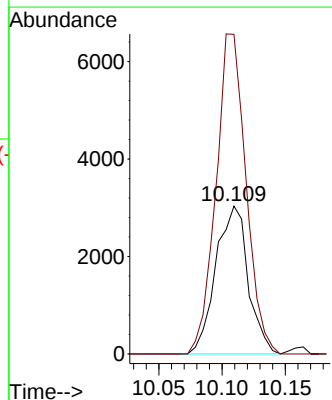
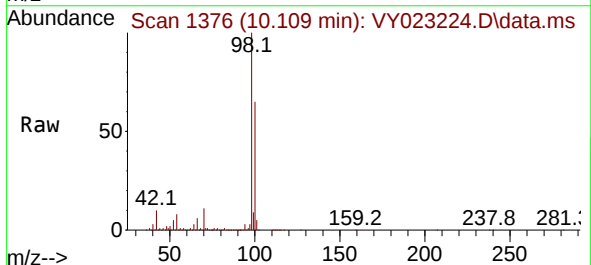
Instrument :
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ClientSampleId :
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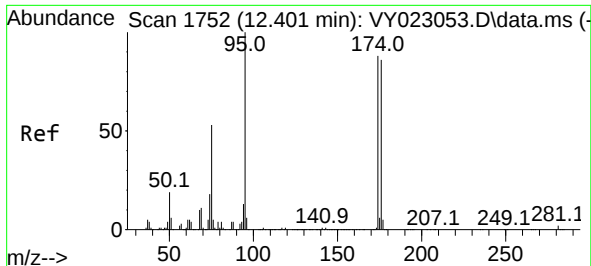
Tgt Ion: 98 Resp: 1354480
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.233 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023224.D
Acq: 28 Aug 2025 14:18

Tgt Ion: 43 Resp: 5385
Ion Ratio Lower Upper
43 100
58 201.2 33.5 50.3#

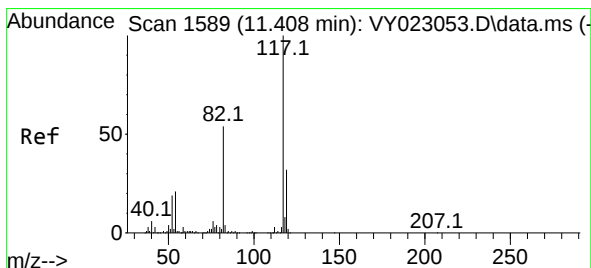
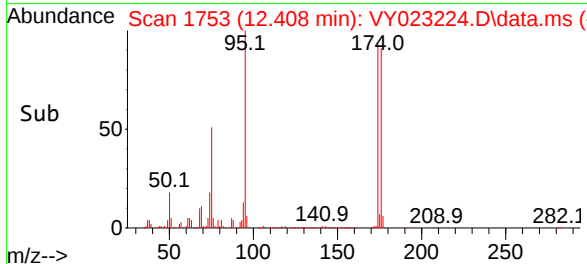
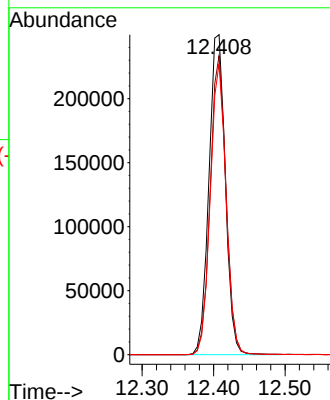
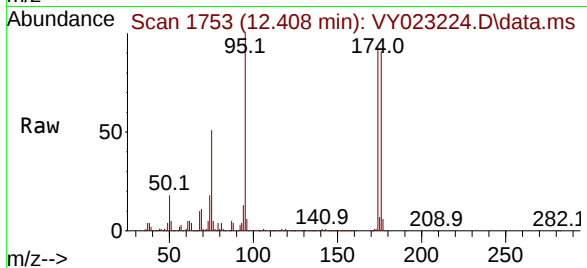




#62
4-Bromofluorobenzene
Concen: 47.200 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023224.D
Acq: 28 Aug 2025 14:18

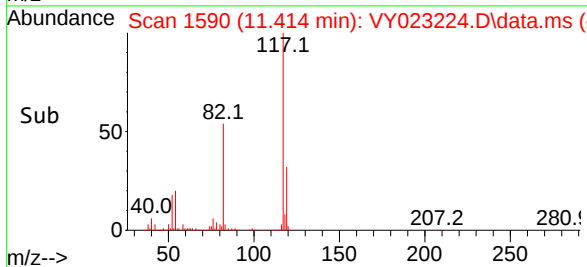
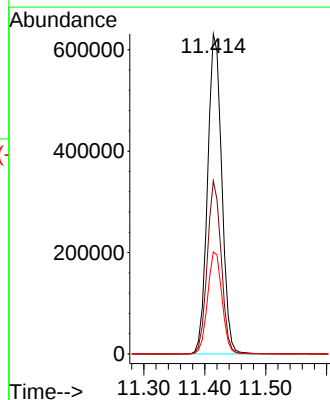
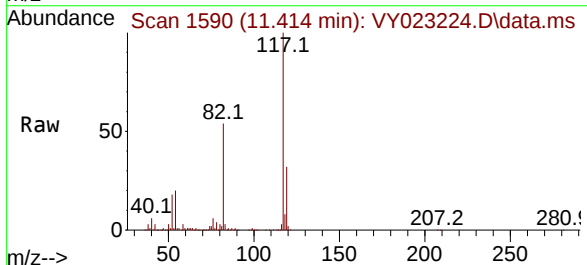
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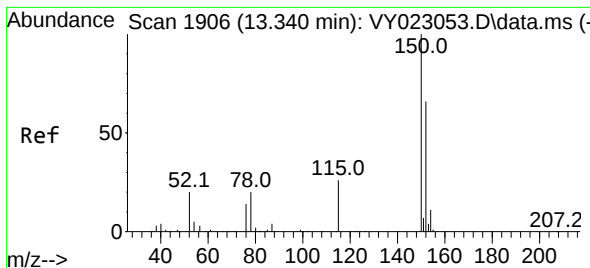
Tgt Ion: 95 Resp: 398030
Ion Ratio Lower Upper
95 100
174 90.4 0.0 171.6
176 87.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023224.D
Acq: 28 Aug 2025 14:18

Tgt Ion: 117 Resp: 1021149
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 31.9 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023224.D

Acq: 28 Aug 2025 14:18

Instrument :

MSVOA_Y

ClientSampleId :

TP9

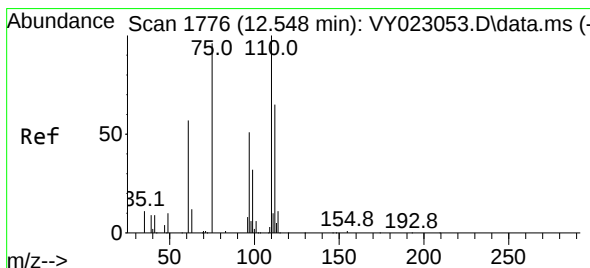
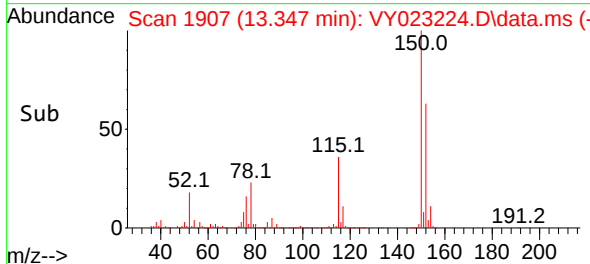
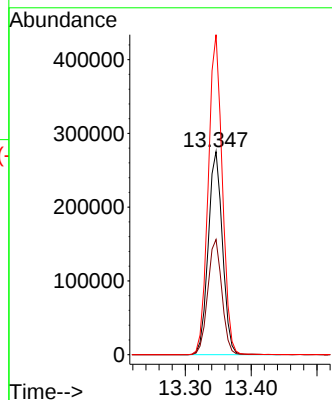
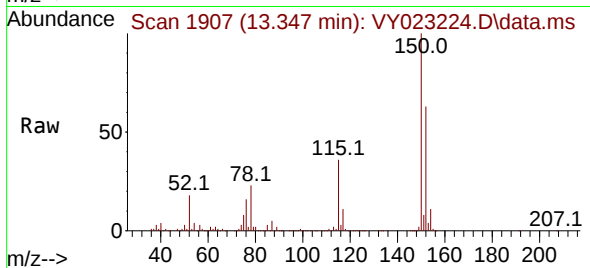
Tgt Ion:152 Resp: 414618

Ion Ratio Lower Upper

152 100

115 56.3 28.2 84.6

150 155.7 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 50.980 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023224.D

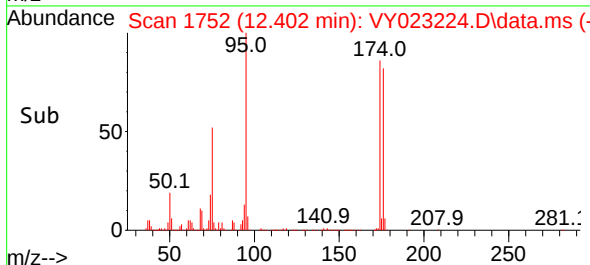
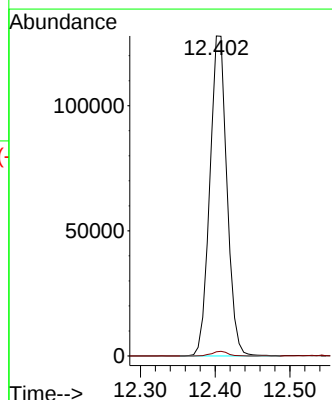
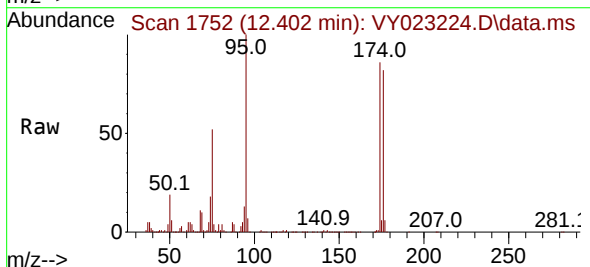
Acq: 28 Aug 2025 14:18

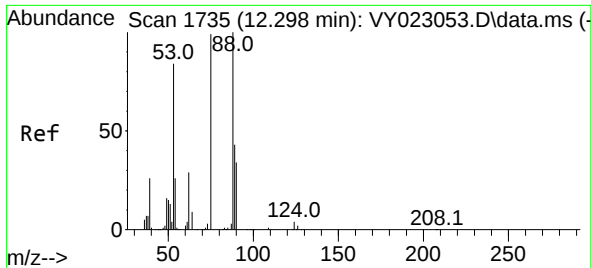
Tgt Ion: 75 Resp: 203996

Ion Ratio Lower Upper

75 100

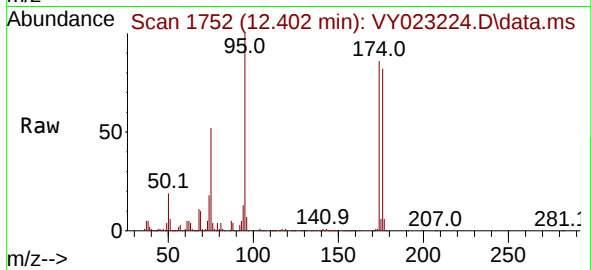
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.406 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023224.D
 Acq: 28 Aug 2025 14:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP9



Tgt Ion: 75 Resp: 203996
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#

