

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023120.D
 Acq On : 15 Aug 2025 12:41
 Operator : SY/MD
 Sample : Q2883-01
 Misc : 5.18g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR2520553

Quant Time: Aug 18 02:28:32 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)

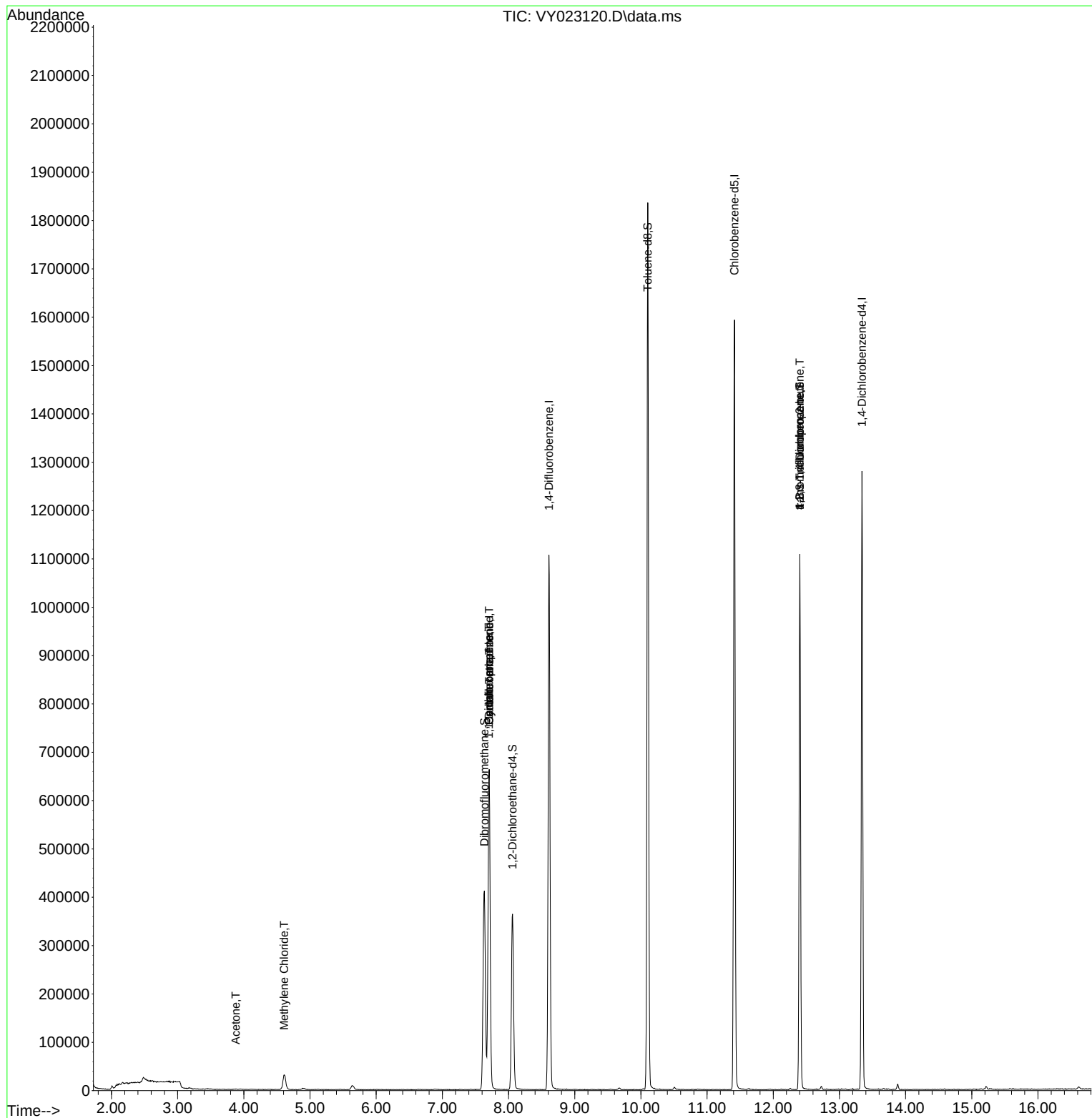
Internal Standards						
1) Pentafluorobenzene	7.707	168	510555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	951937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	835211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	314375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	286814	58.943	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.880%	
35) Dibromofluoromethane	7.634	113	302112	53.039	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.080%	
50) Toluene-d8	10.103	98	1156138	51.956	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.920%	
62) 4-Bromofluorobenzene	12.402	95	327964	45.829	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.660%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1588	1.506	ug/l	98
20) Methylene Chloride	4.610	84	23662	1.694	ug/l	94
31) Cyclohexane	7.707	56	10737	1.185	ug/l #	12
36) 1,1-Dichloropropene	7.701	75	41104	4.856	ug/l #	49
38) Carbon Tetrachloride	7.707	117	50905	5.537	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	173890	57.313	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	173890	138.736	ug/l #	14

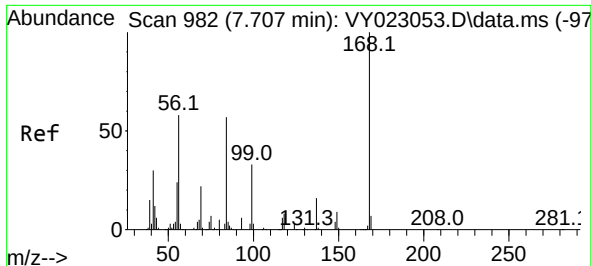
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

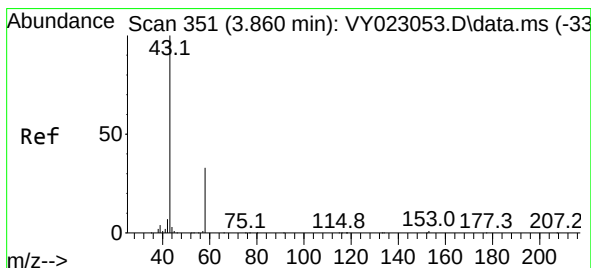
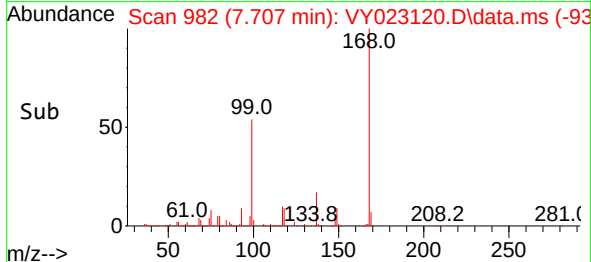
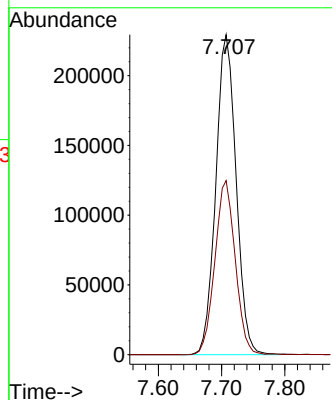
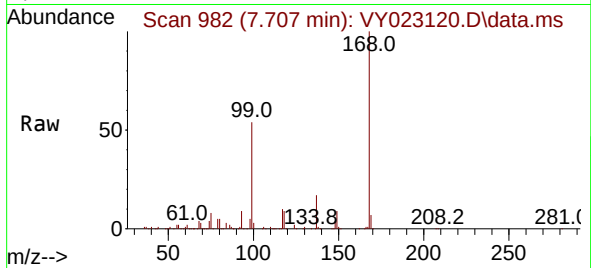




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023120.D
Acq: 15 Aug 2025 12:41

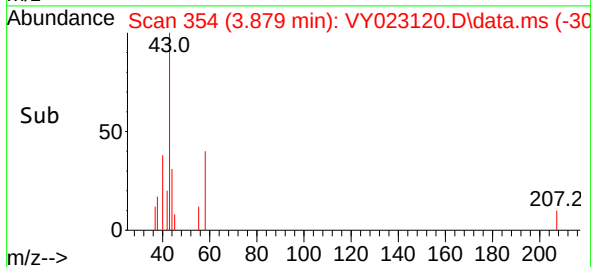
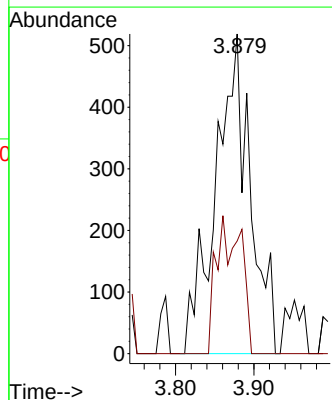
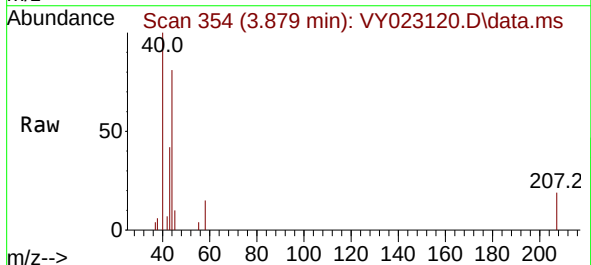
Instrument :
MSVOA_Y
ClientSampleId :
RBR2520553

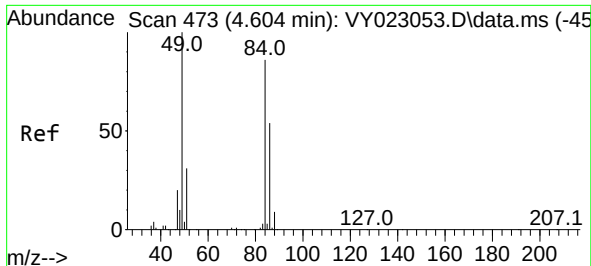
Tgt Ion:168 Resp: 510555
Ion Ratio Lower Upper
168 100
99 54.4 42.8 64.2



#16
Acetone
Concen: 1.506 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.018 min
Lab File: VY023120.D
Acq: 15 Aug 2025 12:41

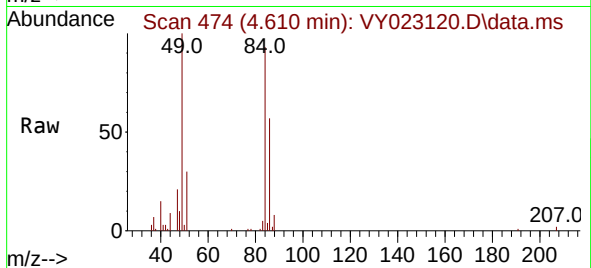
Tgt Ion: 43 Resp: 1588
Ion Ratio Lower Upper
43 100
58 35.3 27.1 40.7



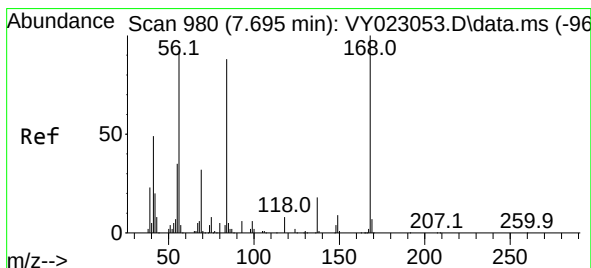
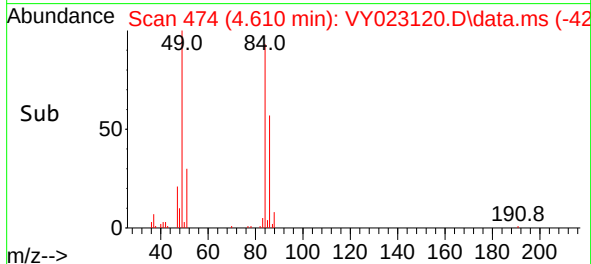
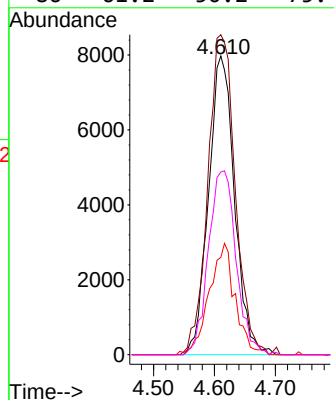


#20
Methylene Chloride
Concen: 1.694 ug/l
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023120.D
Acq: 15 Aug 2025 12:41

Instrument :
MSVOA_Y
ClientSampleId :
RBR2520553

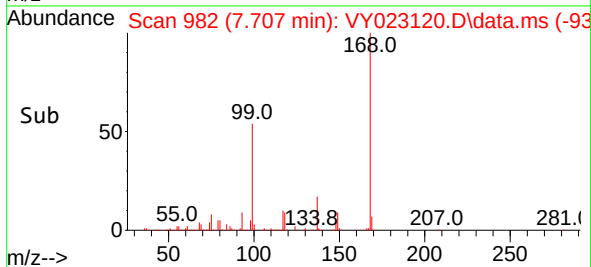
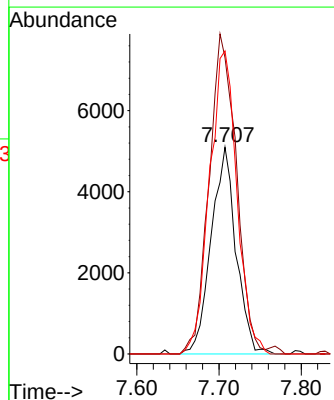
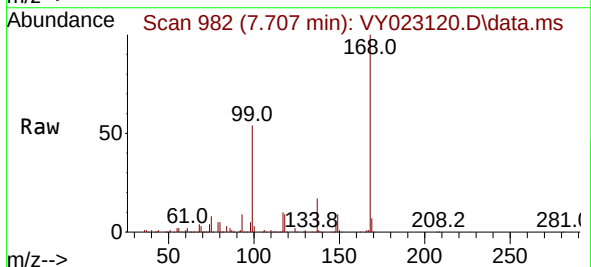


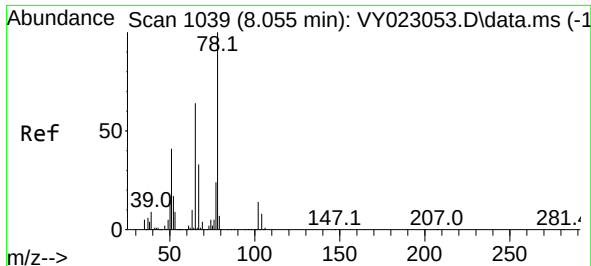
Tgt Ion:	84	Resp:	23662
Ion	Ratio	Lower	Upper
84	100		
49	107.1	93.0	139.6
51	32.6	29.0	43.4
86	61.2	50.2	75.4



#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023120.D
Acq: 15 Aug 2025 12:41

Tgt Ion:	56	Resp:	10737
Ion	Ratio	Lower	Upper
56	100		
69	143.3	28.2	42.2#
84	146.5	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 58.943 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023120.D

Acq: 15 Aug 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

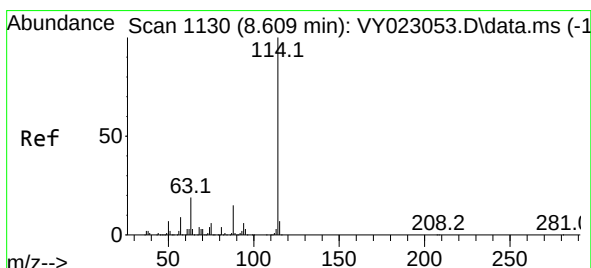
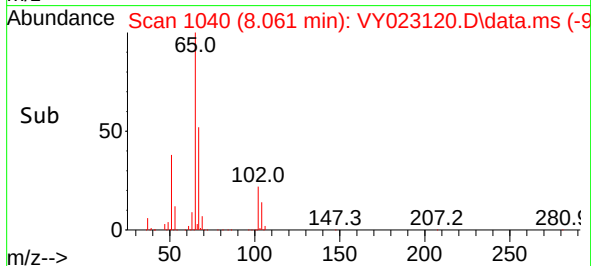
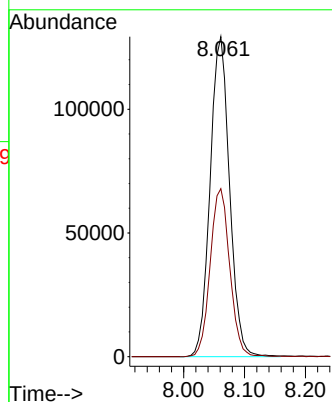
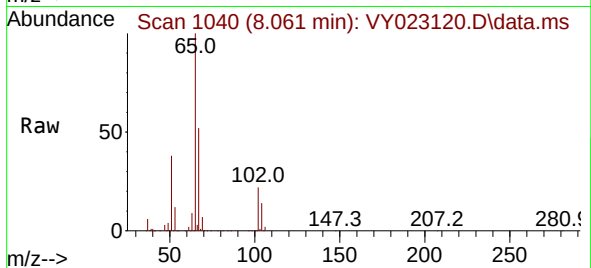
RBR2520553

Tgt Ion: 65 Resp: 286814

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023120.D

Acq: 15 Aug 2025 12:41

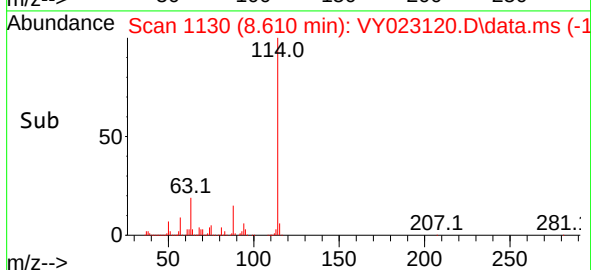
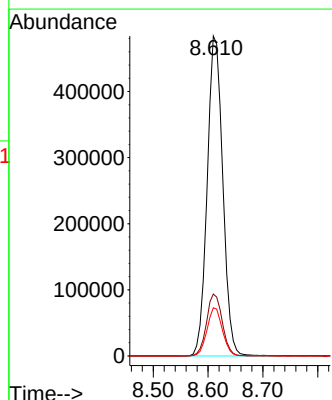
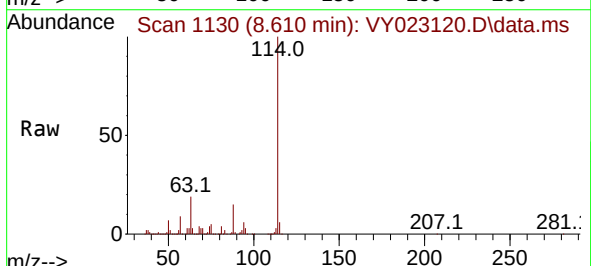
Tgt Ion: 114 Resp: 951937

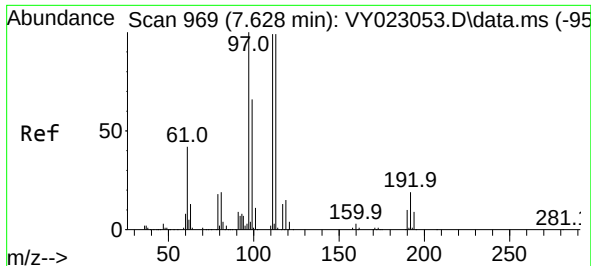
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

88 15.1 0.0 30.0

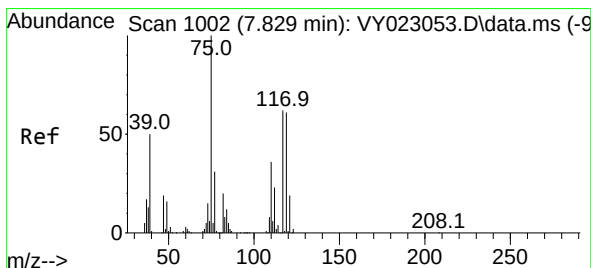
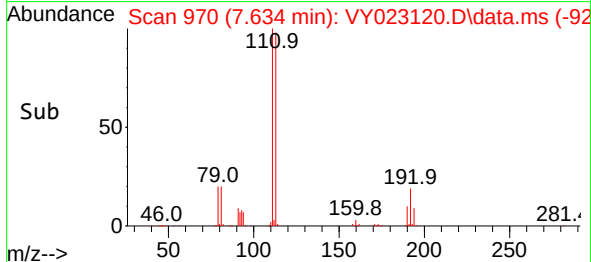
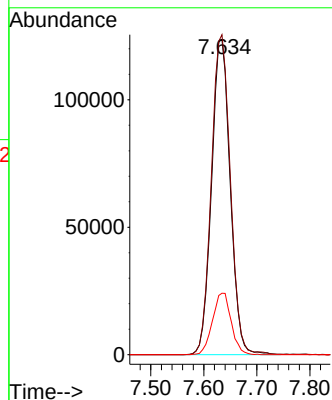
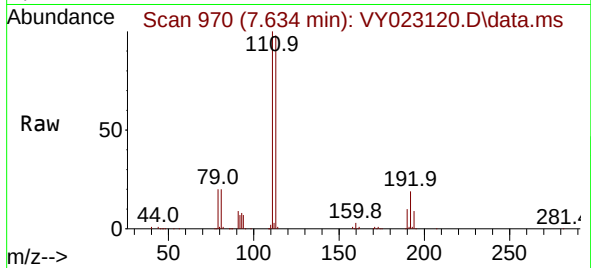




#35
Dibromofluoromethane
Concen: 53.039 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023120.D
Acq: 15 Aug 2025 12:41

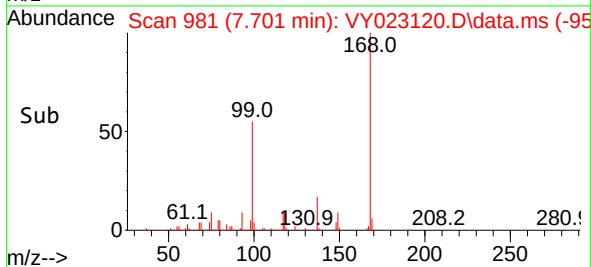
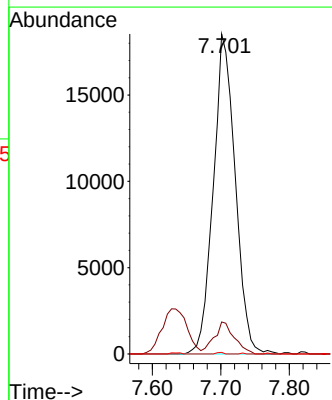
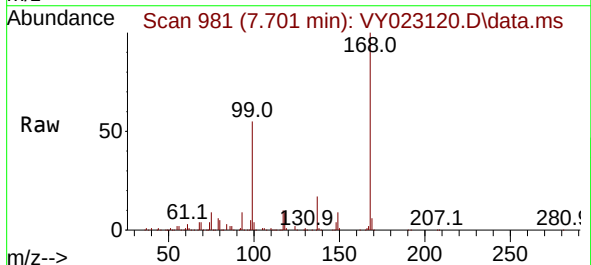
Instrument :
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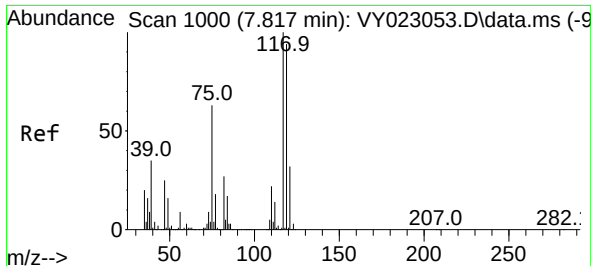
Tgt Ion:113 Resp: 302112
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 19.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.856 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY023120.D
Acq: 15 Aug 2025 12:41

Tgt Ion: 75 Resp: 41104
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.1 24.6 37.0#

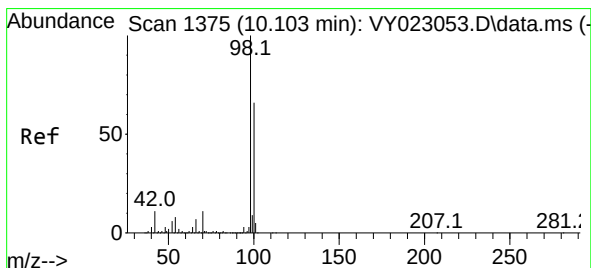
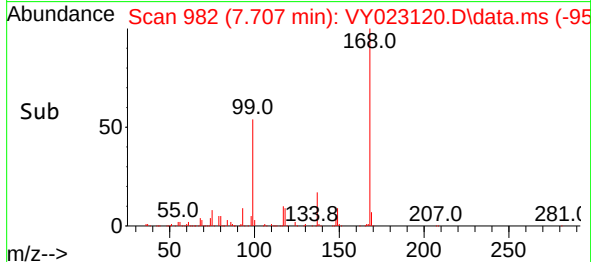
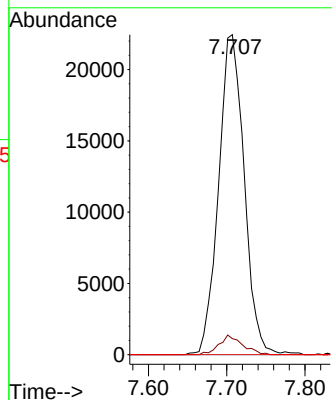
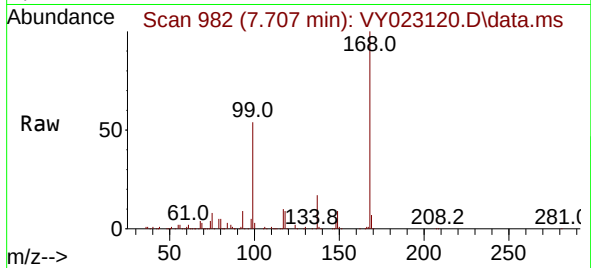




#38
Carbon Tetrachloride
Concen: 5.537 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023120.D
Acq: 15 Aug 2025 12:41

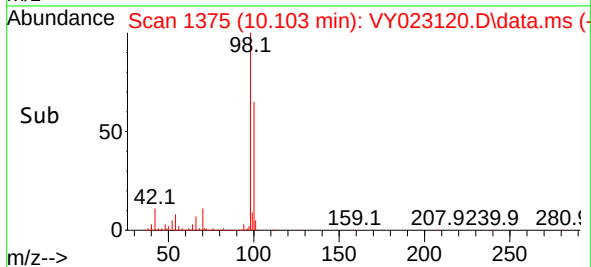
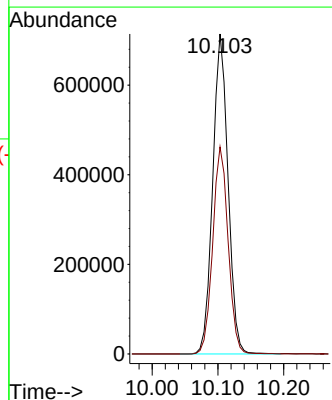
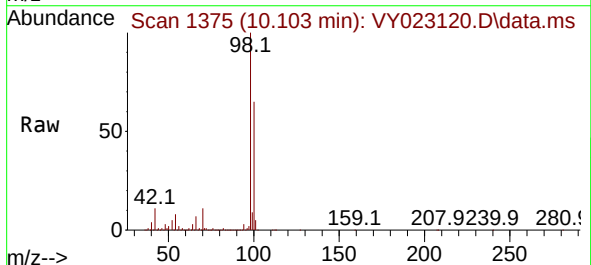
Instrument :
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ClientSampleId :
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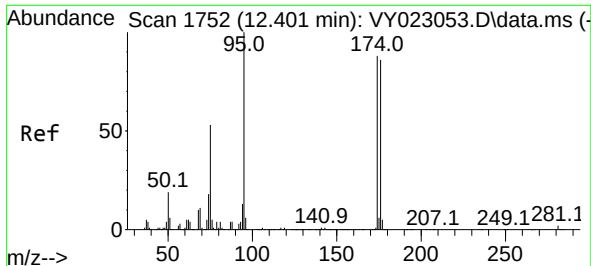
Tgt Ion:117 Resp: 50905
Ion Ratio Lower Upper
117 100
119 5.0 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.956 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023120.D
Acq: 15 Aug 2025 12:41

Tgt Ion: 98 Resp: 1156138
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5

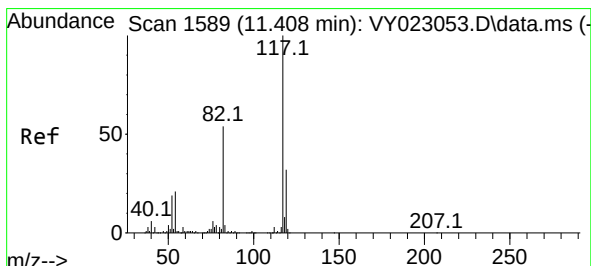
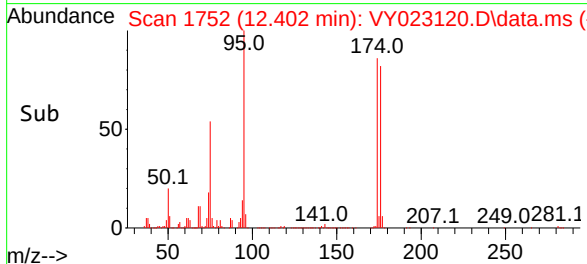
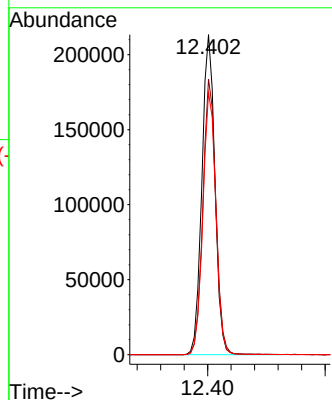
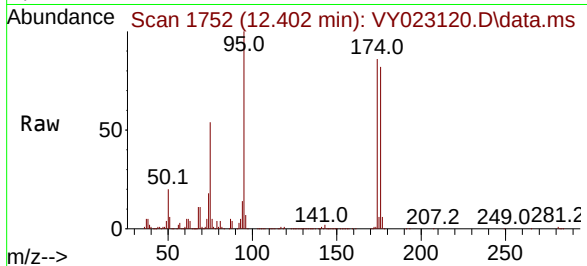




#62
4-Bromofluorobenzene
Concen: 45.829 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023120.D
Acq: 15 Aug 2025 12:41

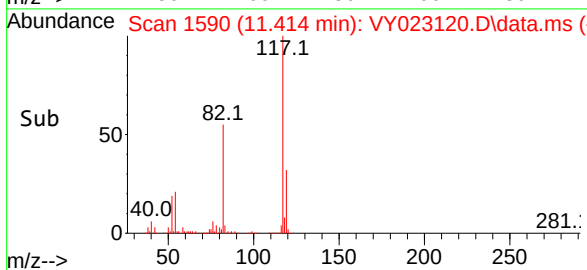
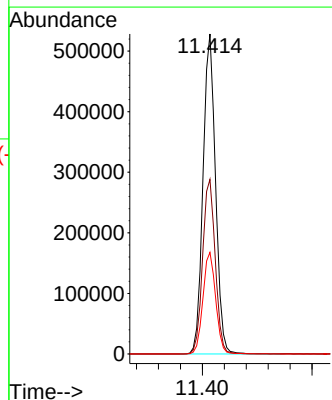
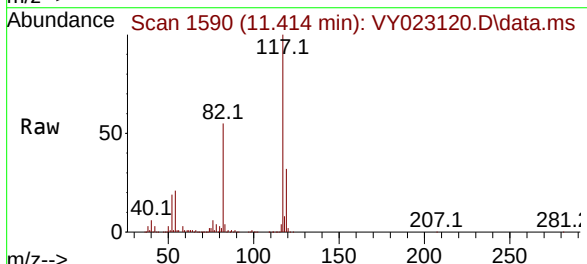
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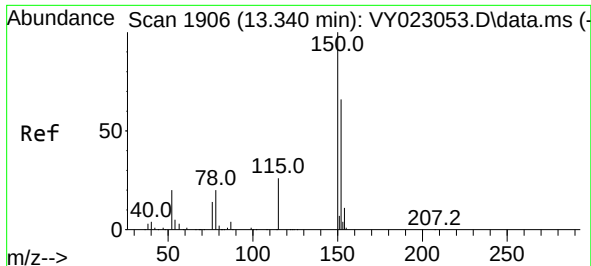
Tgt Ion: 95 Resp: 327964
Ion Ratio Lower Upper
95 100
174 86.2 0.0 171.6
176 82.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023120.D
Acq: 15 Aug 2025 12:41

Tgt Ion: 117 Resp: 835211
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 31.8 25.6 38.4

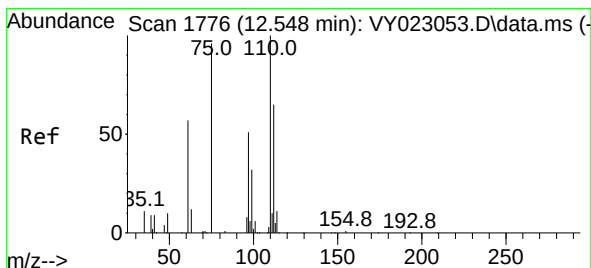
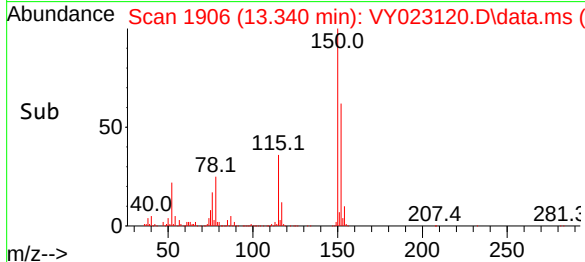
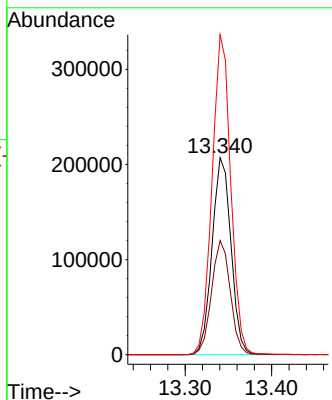
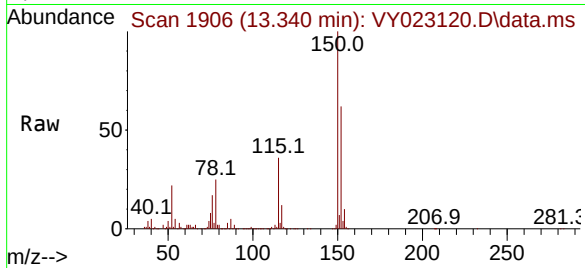




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. 0.000 min
 Lab File: VY023120.D
 Acq: 15 Aug 2025 12:41

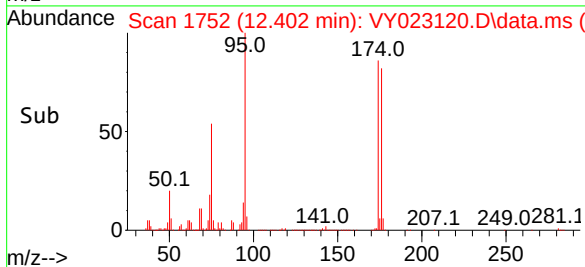
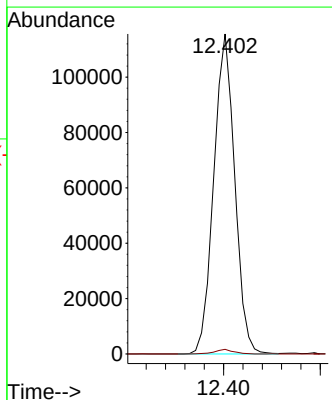
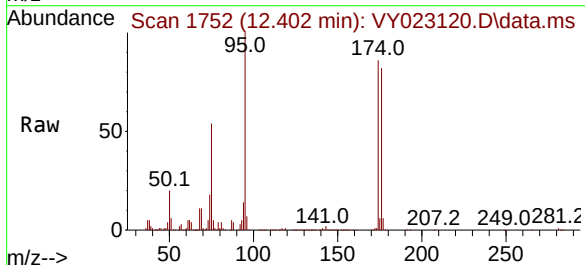
Instrument :
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 ClientSampleId :
 RBR2520553

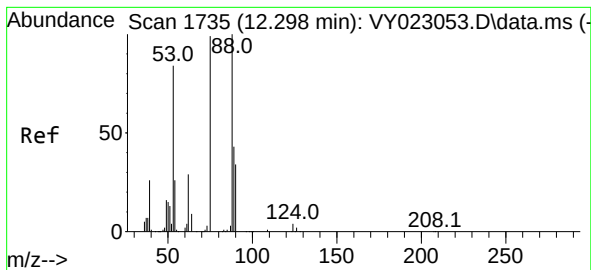
Tgt Ion:152 Resp: 314375
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.2 84.6
 150 160.4 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 57.313 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.146 min
 Lab File: VY023120.D
 Acq: 15 Aug 2025 12:41

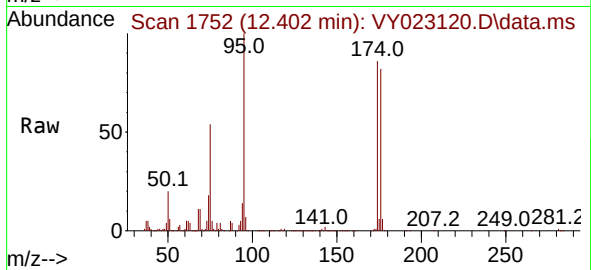
Tgt Ion: 75 Resp: 173890
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.736 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023120.D
 Acq: 15 Aug 2025 12:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR2520553



Tgt Ion: 75 Resp: 173890
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#

