

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023234.D
 Acq On : 29 Aug 2025 09:35
 Operator : SY/MD
 Sample : VY0829SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0829SBL01

Quant Time: Aug 30 01:17:36 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)

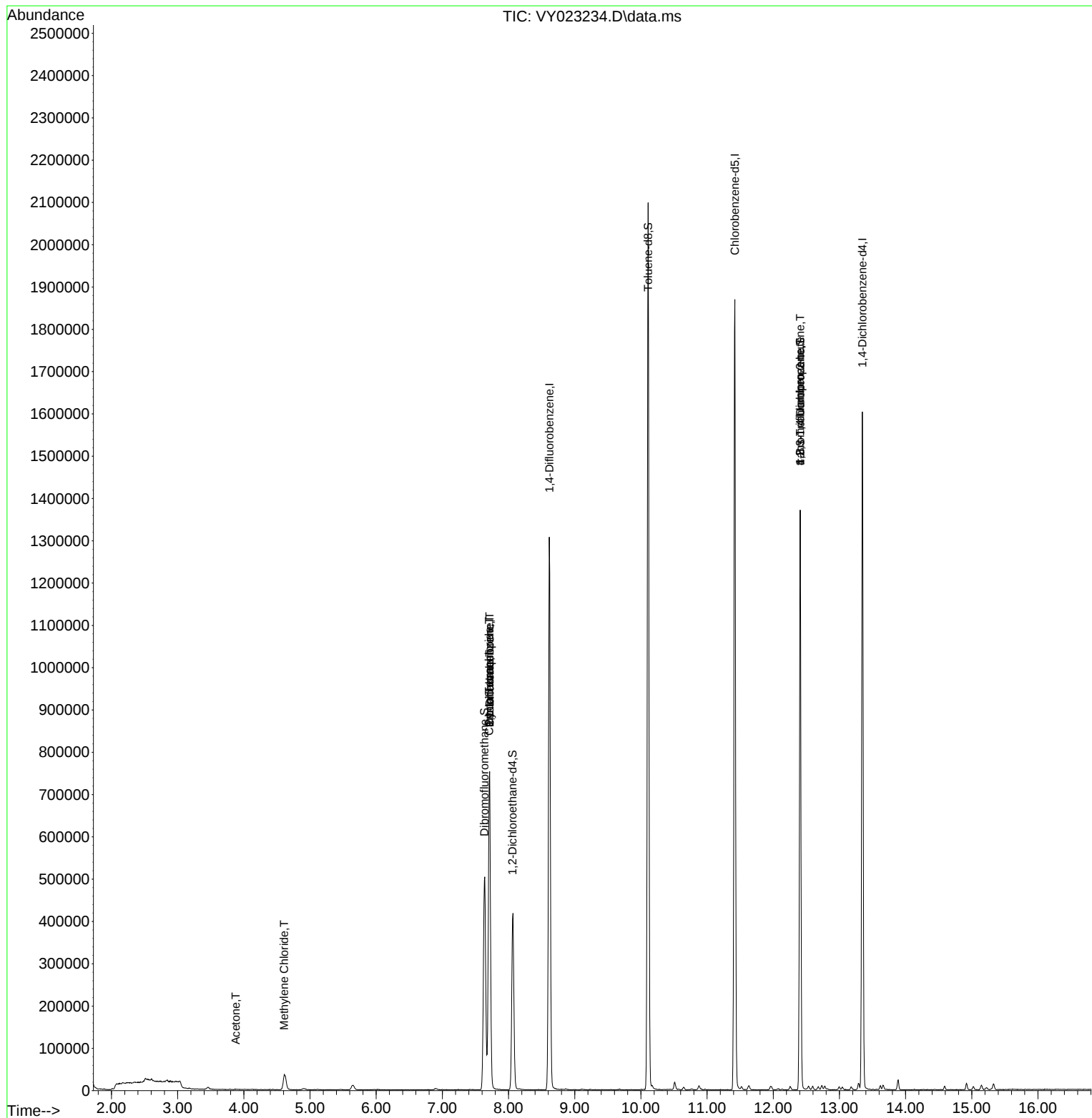
Internal Standards						
1) Pentafluorobenzene	7.713	168	604207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1141963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1030161	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	410618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	320945	55.734	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.460%	
35) Dibromofluoromethane	7.634	113	367076	53.720	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.440%	
50) Toluene-d8	10.109	98	1356696	50.824	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.640%	
62) 4-Bromofluorobenzene	12.408	95	400273	46.626	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.260%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1462	1.172	ug/l #	80
20) Methylene Chloride	4.610	84	28682	1.805	ug/l	94
31) Cyclohexane	7.713	56	12183	1.136	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	43194	4.253	ug/l #	50
38) Carbon Tetrachloride	7.707	117	56903	5.159	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	203404	51.327	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	203404	124.246	ug/l #	14

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

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Quant Time: Aug 30 01:17:36 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

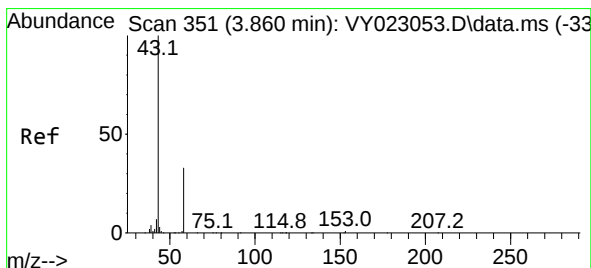
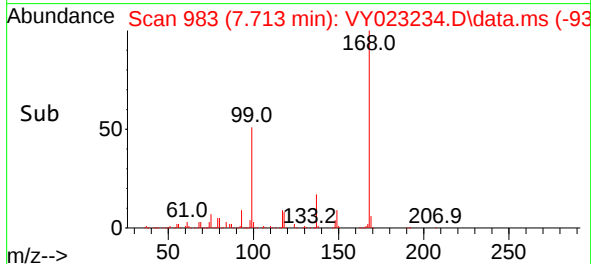
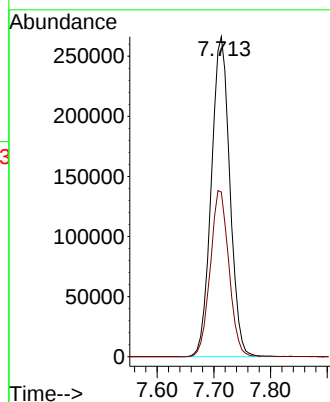
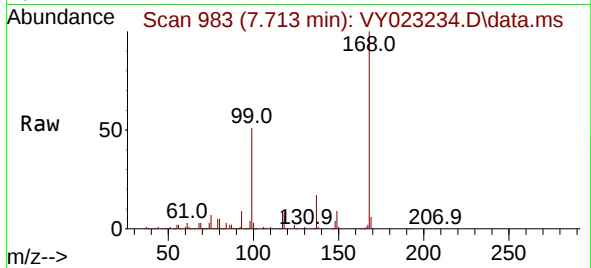




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023234.D
Acq: 29 Aug 2025 09:35

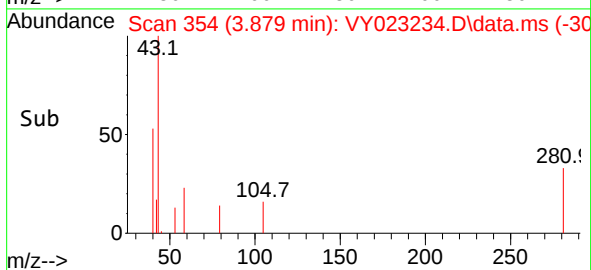
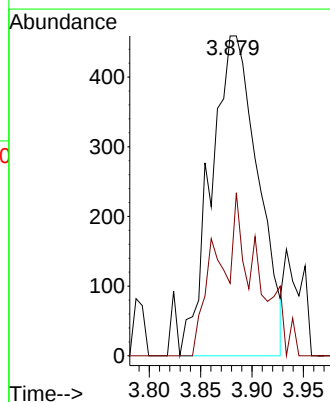
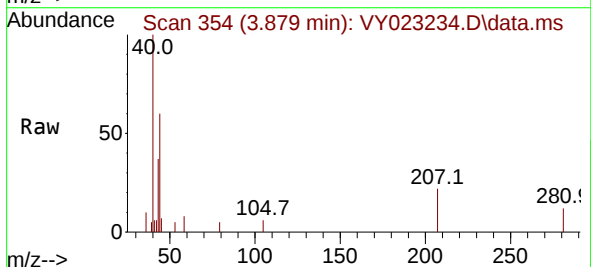
Instrument :
MSVOA_Y
ClientSampleId :
VY0829SBL01

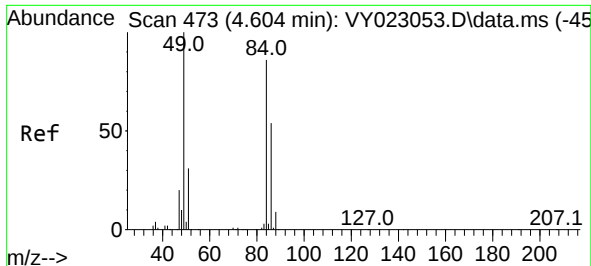
Tgt Ion:168 Resp: 604207
Ion Ratio Lower Upper
168 100
99 51.4 42.8 64.2



#16
Acetone
Concen: 1.172 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.018 min
Lab File: VY023234.D
Acq: 29 Aug 2025 09:35

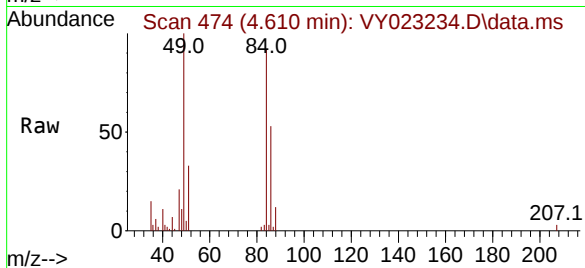
Tgt Ion: 43 Resp: 1462
Ion Ratio Lower Upper
43 100
58 22.7 27.1 40.7#



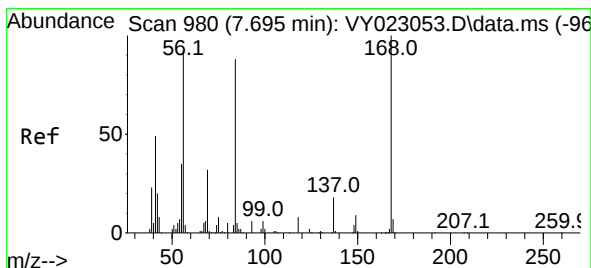
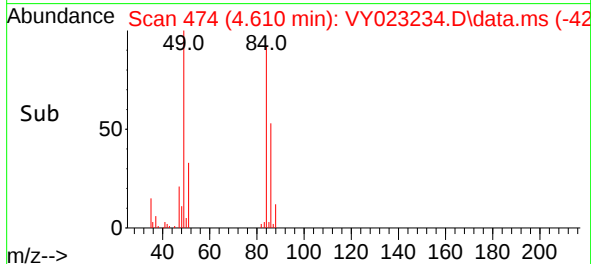
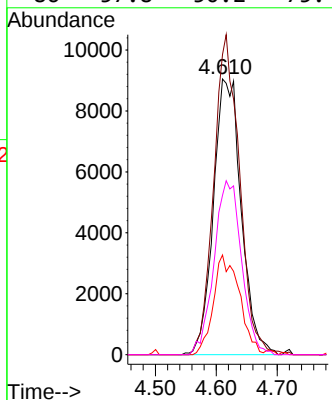


#20
Methylene Chloride
Concen: 1.805 ug/l
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023234.D
Acq: 29 Aug 2025 09:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0829SBL01

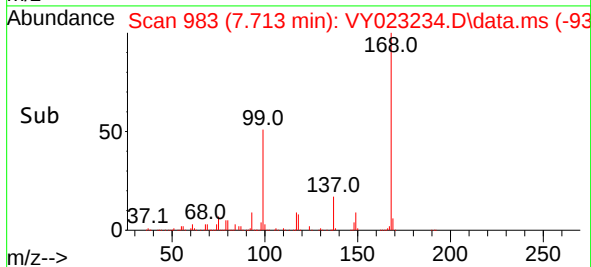
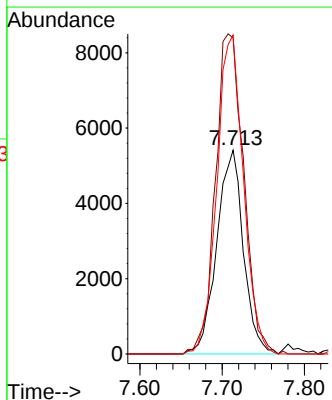
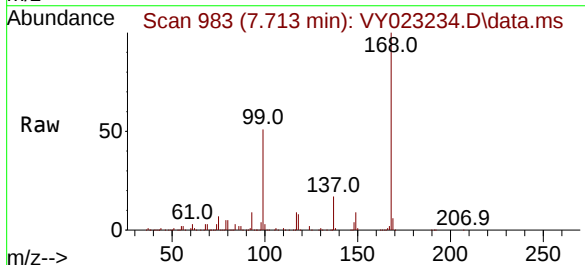


Tgt Ion:	84	Resp:	28682
Ion	Ratio	Lower	Upper
84	100		
49	108.9	93.0	139.6
51	36.1	29.0	43.4
86	57.8	50.2	75.4



#31
Cyclohexane
Concen: 1.136 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.018 min
Lab File: VY023234.D
Acq: 29 Aug 2025 09:35

Tgt Ion:	56	Resp:	12183
Ion	Ratio	Lower	Upper
56	100		
69	155.3	28.2	42.2#
84	156.6	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 55.734 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023234.D

Acq: 29 Aug 2025 09:35

Instrument :

MSVOA_Y

ClientSampleId :

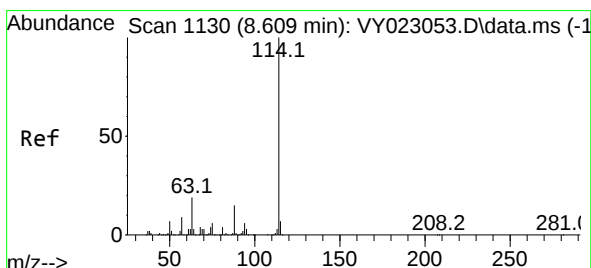
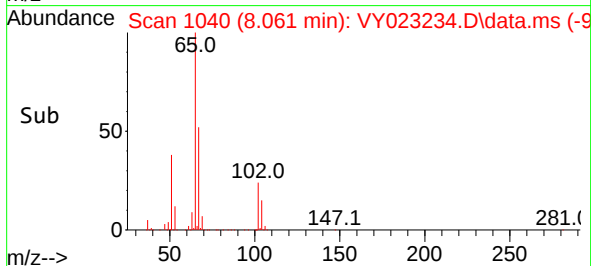
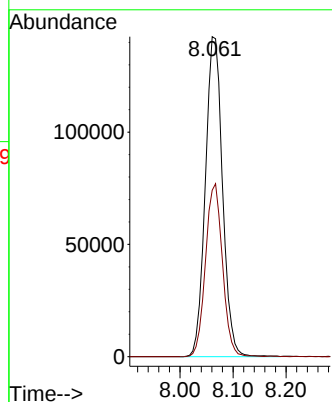
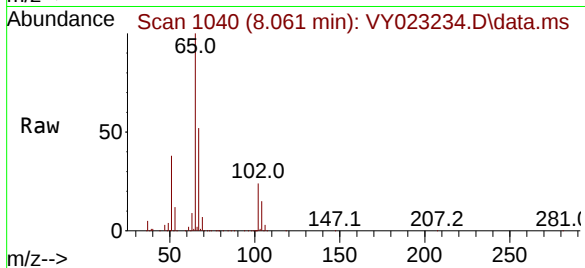
VY0829SBL01

Tgt Ion: 65 Resp: 320945

Ion Ratio Lower Upper

65 100

67 53.3 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: VY023234.D

Acq: 29 Aug 2025 09:35

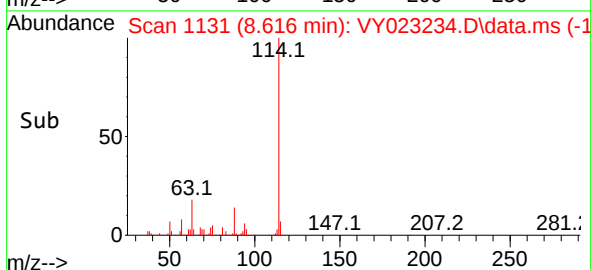
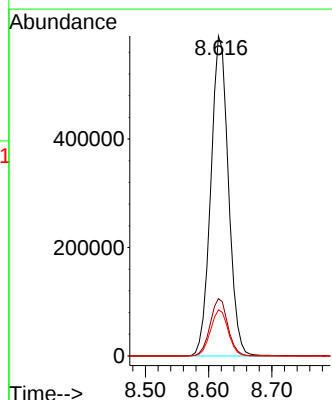
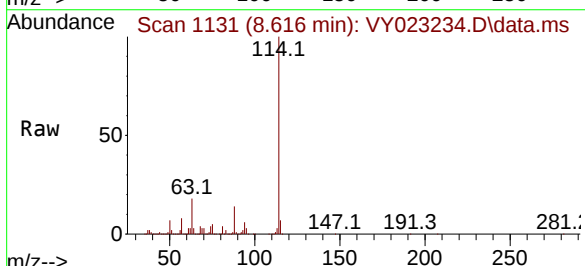
Tgt Ion: 114 Resp: 1141963

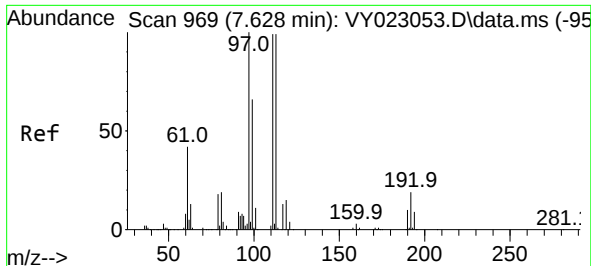
Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.4

88 14.4 0.0 30.0

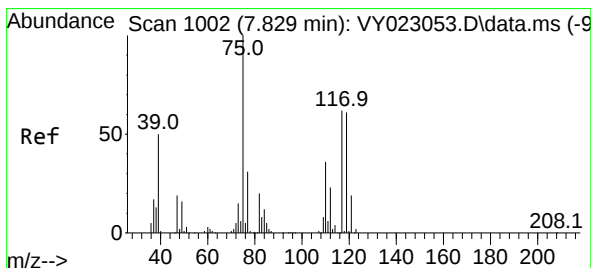
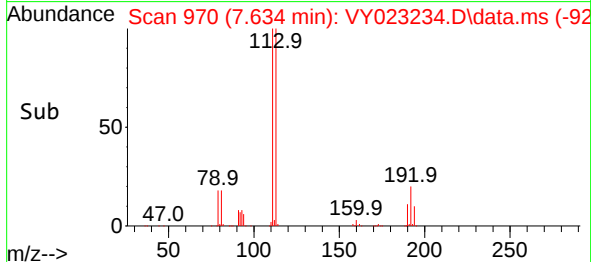
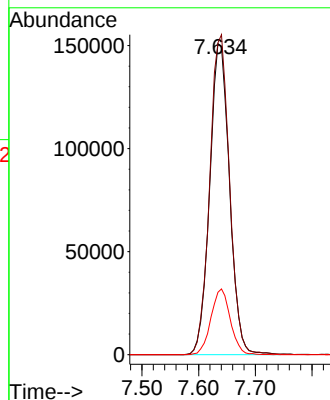
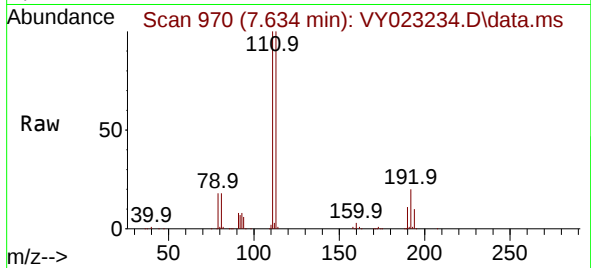




#35
Dibromofluoromethane
Concen: 53.720 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023234.D
Acq: 29 Aug 2025 09:35

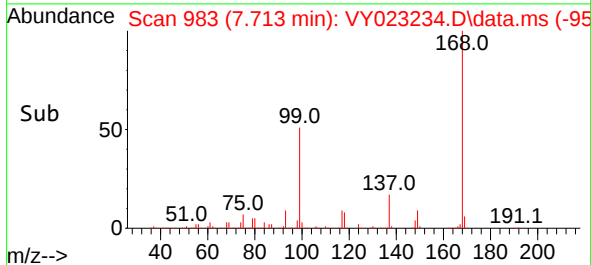
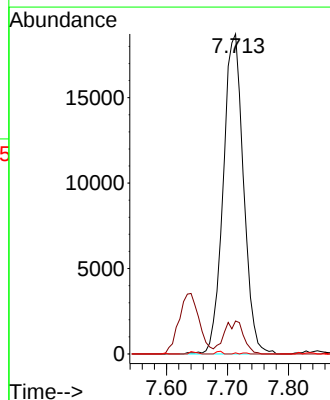
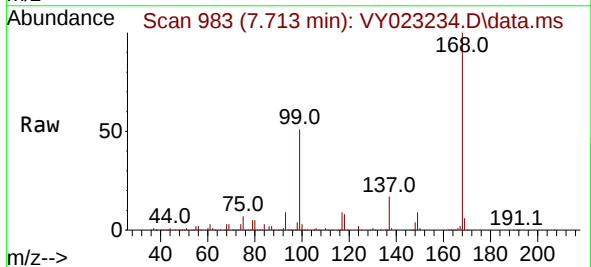
Instrument :
MSVOA_Y
ClientSampleId :
VY0829SBL01

Tgt Ion:113 Resp: 367076
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 20.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.253 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY023234.D
Acq: 29 Aug 2025 09:35

Tgt Ion: 75 Resp: 43194
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.4#
77 0.1 24.6 37.0#

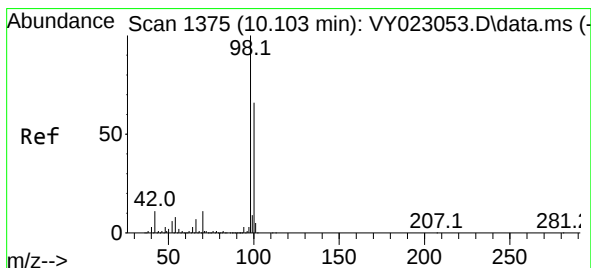
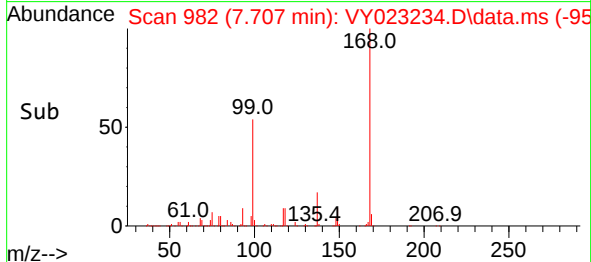
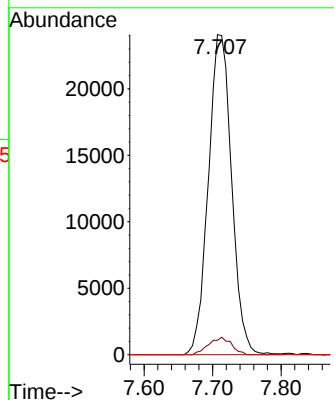
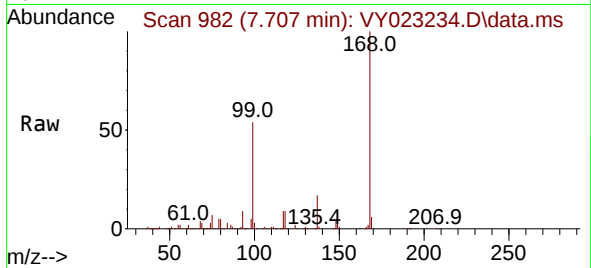




#38
Carbon Tetrachloride
Concen: 5.159 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023234.D
Acq: 29 Aug 2025 09:35

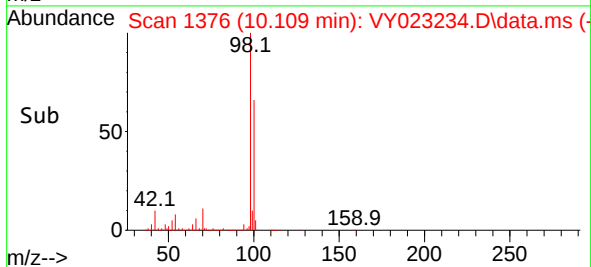
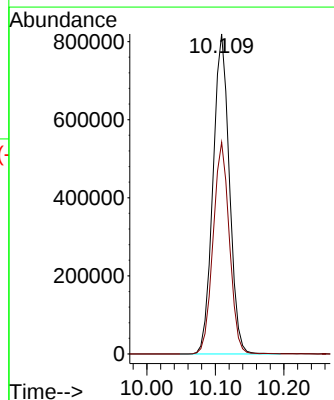
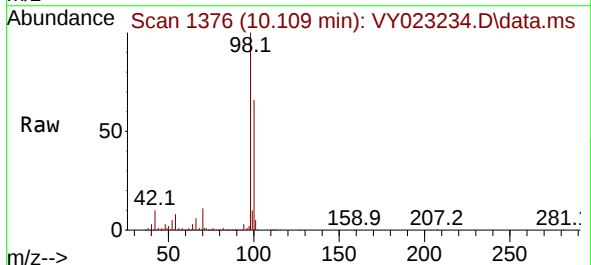
Instrument :
MSVOA_Y
ClientSampleId :
VY0829SBL01

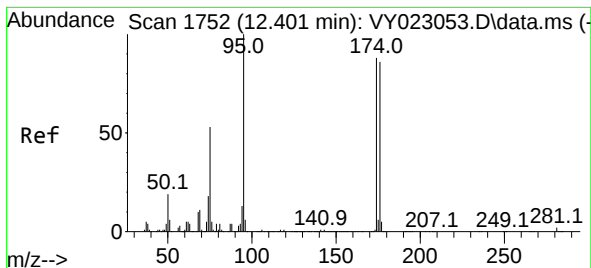
Tgt Ion:117 Resp: 56903
Ion Ratio Lower Upper
117 100
119 4.5 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 50.824 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023234.D
Acq: 29 Aug 2025 09:35

Tgt Ion: 98 Resp: 1356696
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5

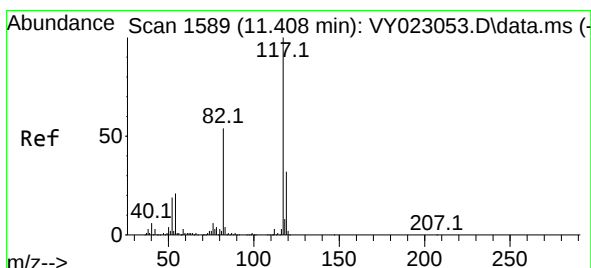
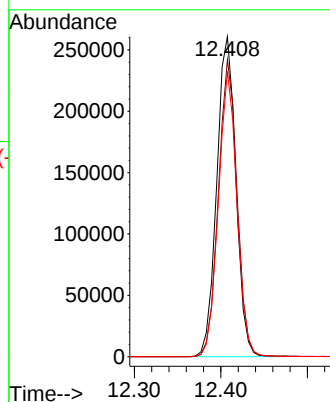
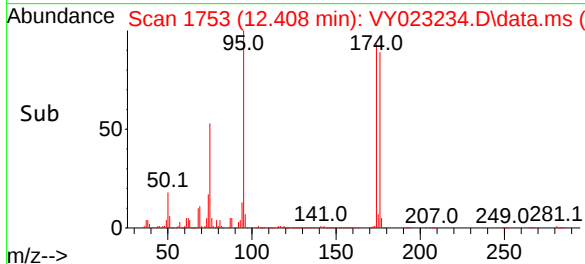
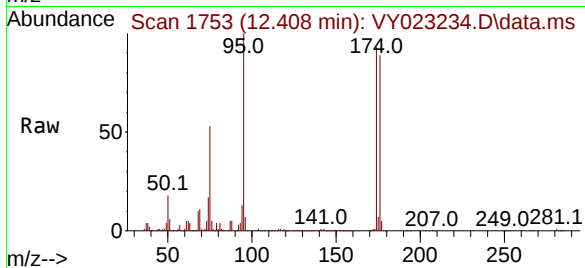




#62
4-Bromofluorobenzene
Concen: 46.626 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023234.D
Acq: 29 Aug 2025 09:35

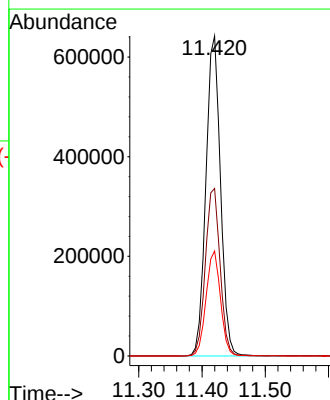
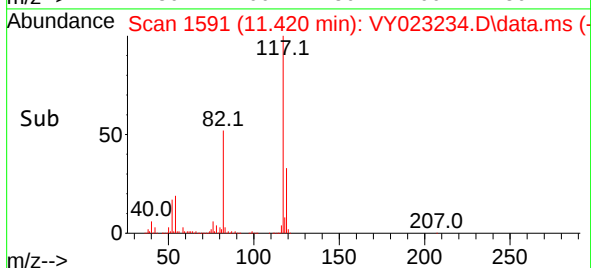
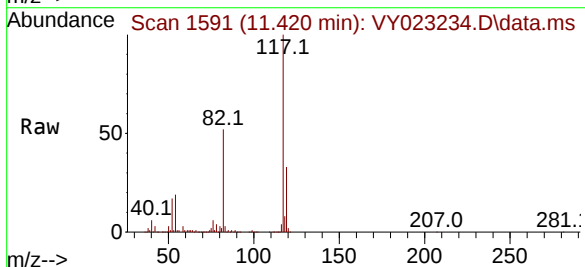
Instrument :
MSVOA_Y
ClientSampleId :
VY0829SBL01

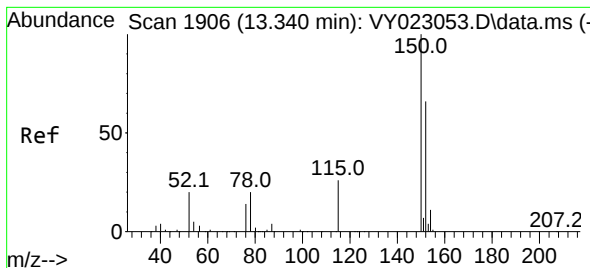
Tgt Ion: 95 Resp: 400273
Ion Ratio Lower Upper
95 100
174 90.7 0.0 171.6
176 86.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.012 min
Lab File: VY023234.D
Acq: 29 Aug 2025 09:35

Tgt Ion: 117 Resp: 1030161
Ion Ratio Lower Upper
117 100
82 52.3 43.4 65.0
119 32.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023234.D

Acq: 29 Aug 2025 09:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0829SBL01

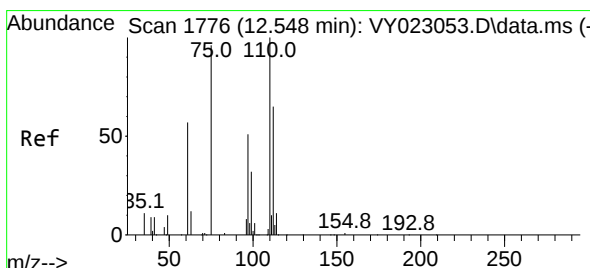
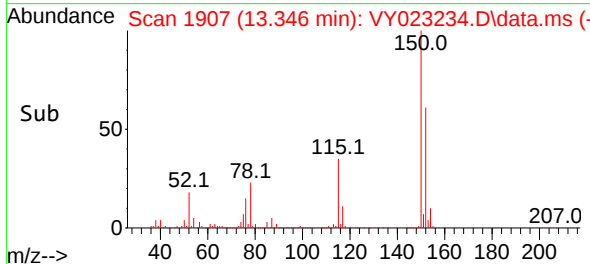
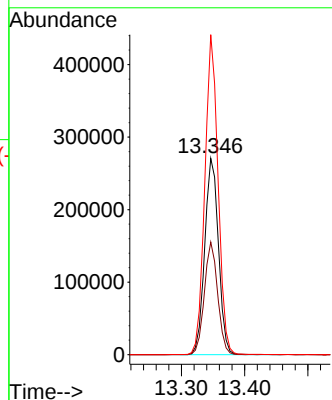
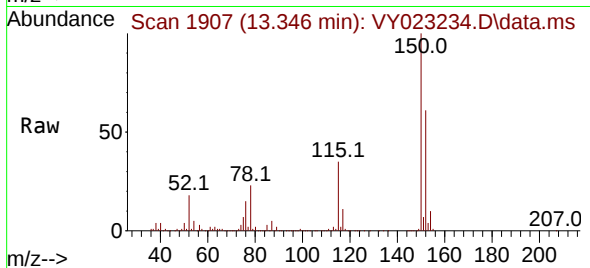
Tgt Ion:152 Resp: 410618

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.6

150 156.8 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 51.327 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.140 min

Lab File: VY023234.D

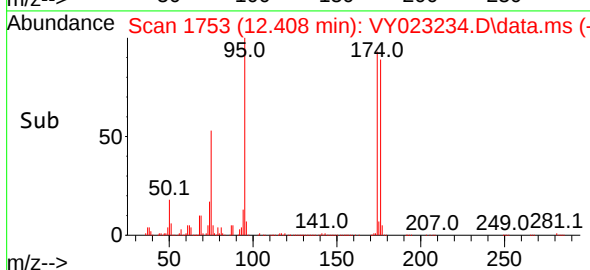
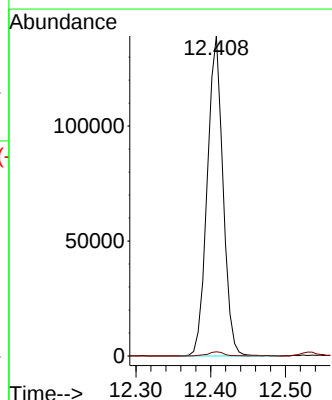
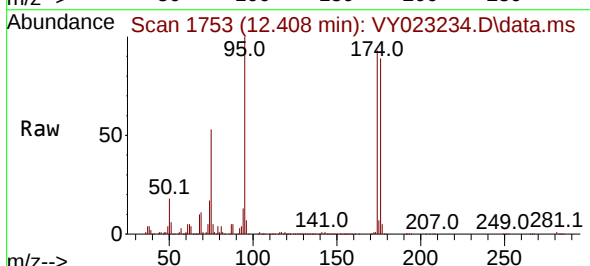
Acq: 29 Aug 2025 09:35

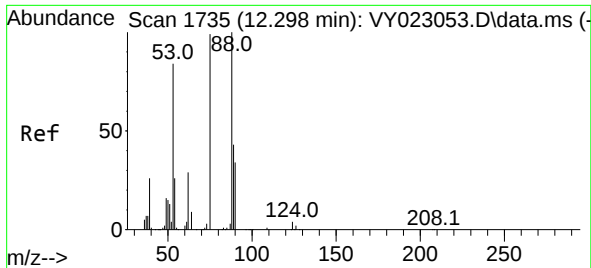
Tgt Ion: 75 Resp: 203404

Ion Ratio Lower Upper

75 100

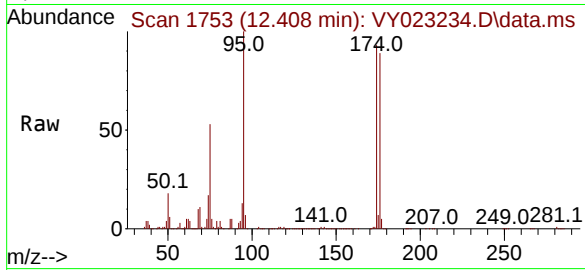
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.246 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023234.D
 Acq: 29 Aug 2025 09:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0829SBL01



Tgt Ion: 75 Resp: 203404
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.8 106.2#
 89 0.1 38.1 57.1#

