

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023351.D
 Acq On : 11 Sep 2025 16:12
 Operator : SY/MD
 Sample : Q3082-09
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-33

Quant Time: Sep 12 01:29:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

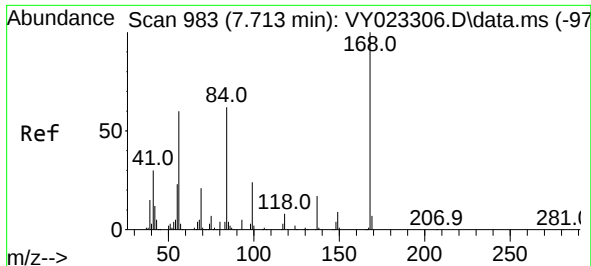
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	625849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1173821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1097282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	476715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	316917	57.627	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.260%	
35) Dibromofluoromethane	7.634	113	381517	53.172	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.340%	
50) Toluene-d8	10.109	98	1383895	51.078	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.160%	
62) 4-Bromofluorobenzene	12.402	95	440979	51.720	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.440%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	17732	14.155	ug/l	97
20) Methylene Chloride	4.622	84	19531	2.914	ug/l	94
25) 2-Butanone	6.902	43	4617	2.995	ug/l	92
31) Cyclohexane	7.707	56	11099	1.153	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	43130	4.220	ug/l #	50
38) Carbon Tetrachloride	7.713	117	59637	5.072	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	5152	1.274	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	220318	45.637	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	220318	124.456	ug/l #	14

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

Quant Time: Sep 12 01:29:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

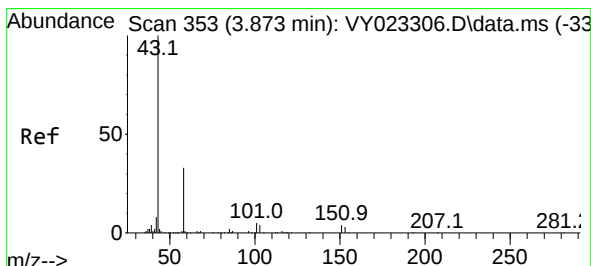
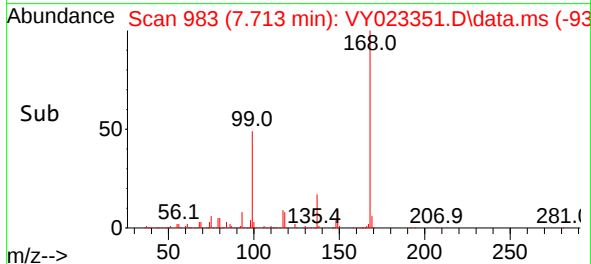
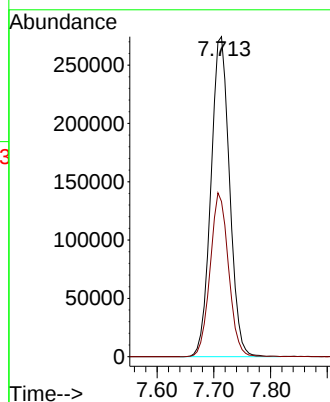
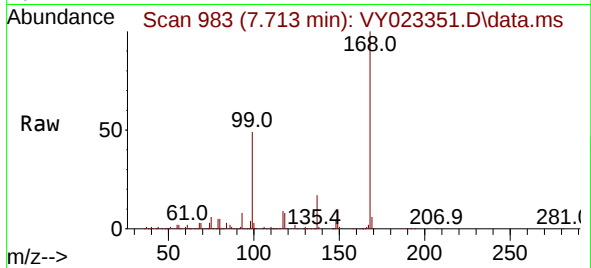




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

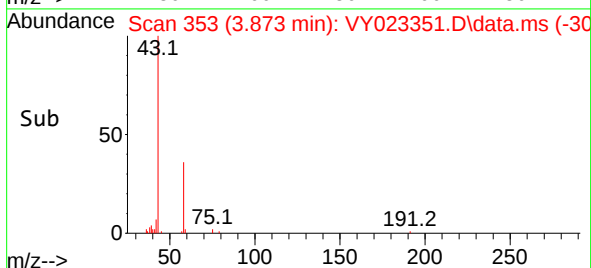
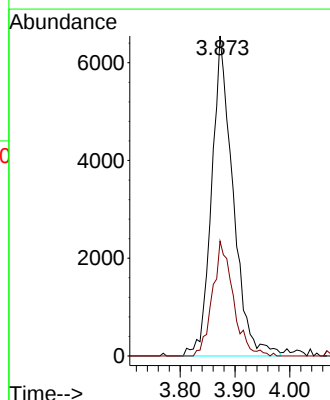
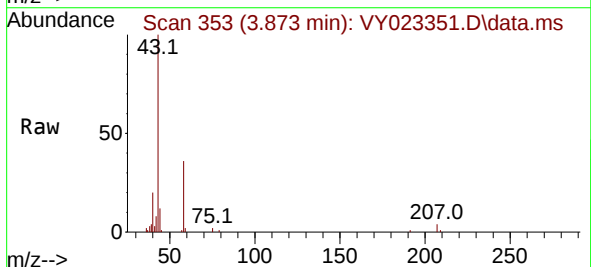
Instrument :
MSVOA_Y
ClientSampleId :
WC-33

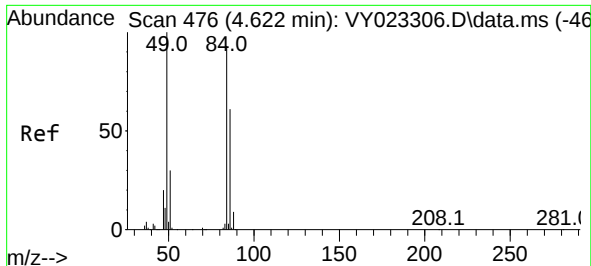
Tgt Ion:168 Resp: 625849
Ion Ratio Lower Upper
168 100
99 48.5 42.8 64.2



#16
Acetone
Concen: 14.155 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

Tgt Ion: 43 Resp: 17732
Ion Ratio Lower Upper
43 100
58 35.9 27.1 40.7

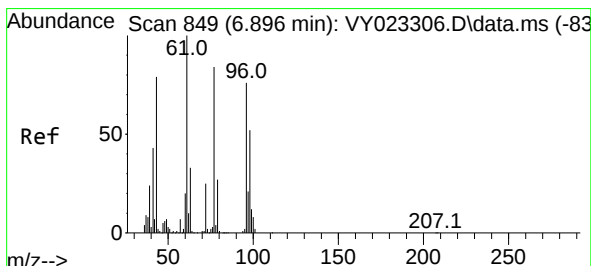
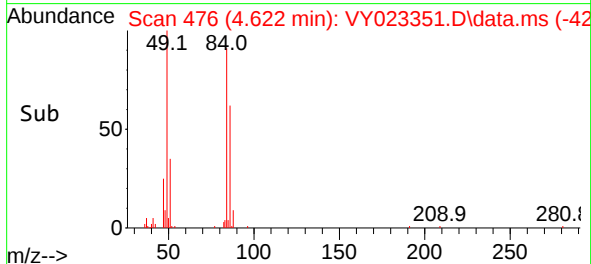
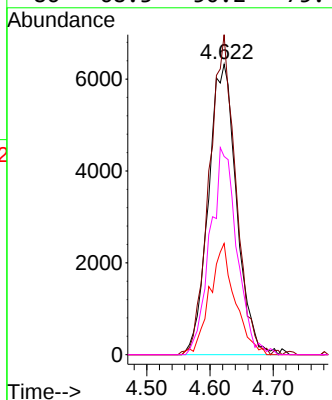
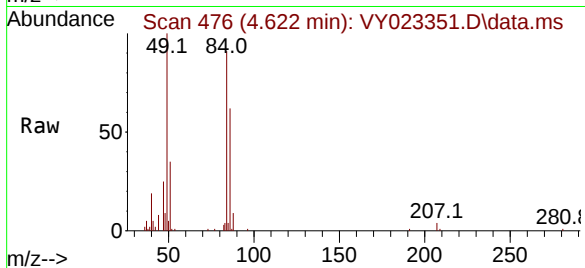




#20
Methylene Chloride
Concen: 2.914 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

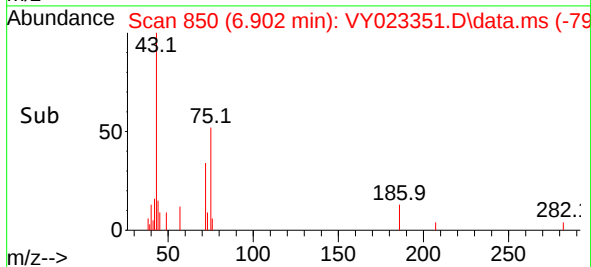
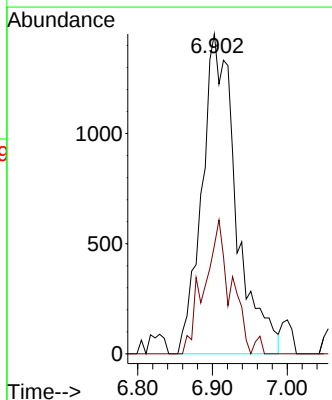
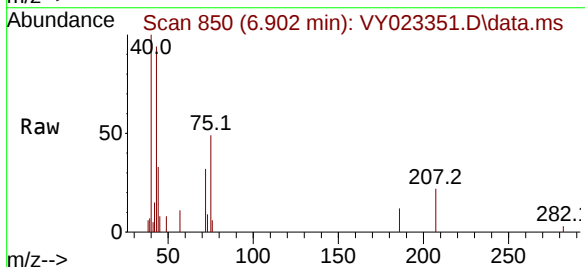
Instrument :
MSVOA_Y
ClientSampleId :
WC-33

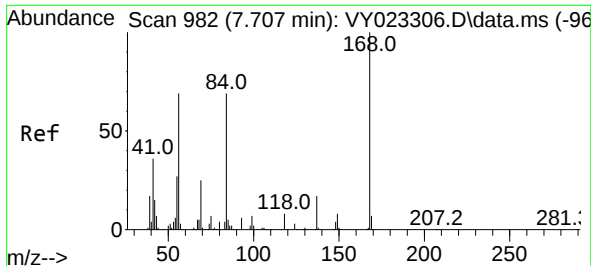
Tgt Ion:	84	Resp:	19531
Ion	Ratio	Lower	Upper
84	100		
49	110.2	93.0	139.6
51	38.3	29.0	43.4
86	68.3	50.2	75.4



#25
2-Butanone
Concen: 2.995 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.018 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

Tgt Ion:	43	Resp:	4617
Ion	Ratio	Lower	Upper
43	100		
72	33.8	23.5	35.3

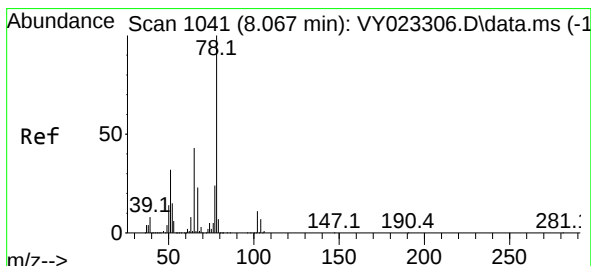
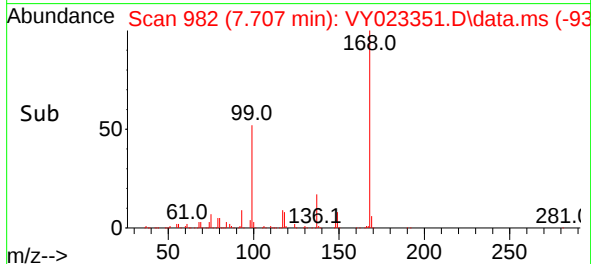
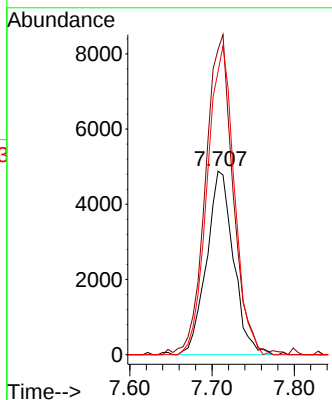
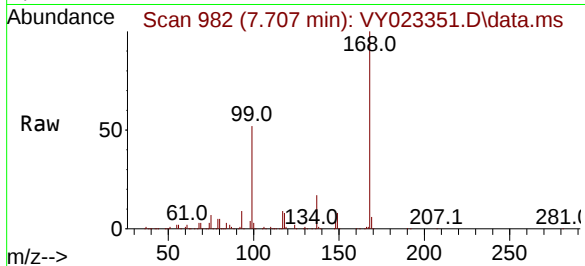




#31
Cyclohexane
Concen: 1.153 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

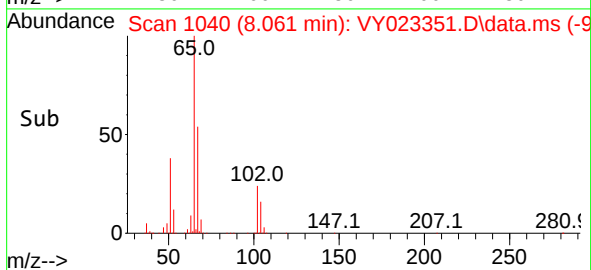
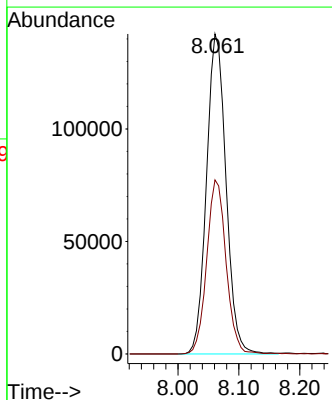
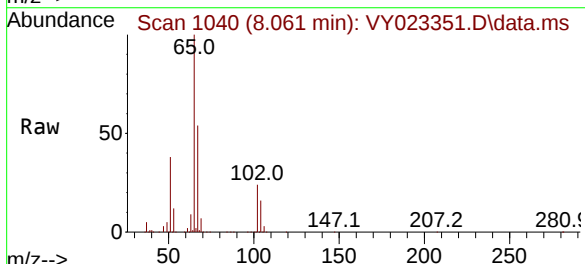
Instrument :
MSVOA_Y
ClientSampleId :
WC-33

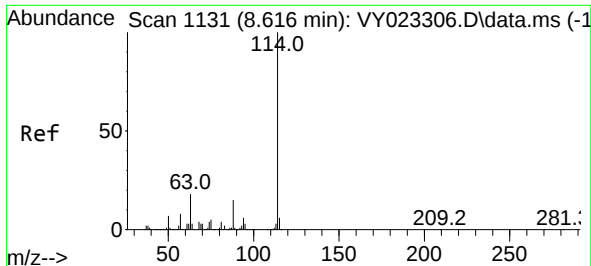
Tgt Ion: 56 Resp: 11099
Ion Ratio Lower Upper
56 100
69 164.7 28.2 42.2#
84 154.4 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 57.627 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

Tgt Ion: 65 Resp: 316917
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.8

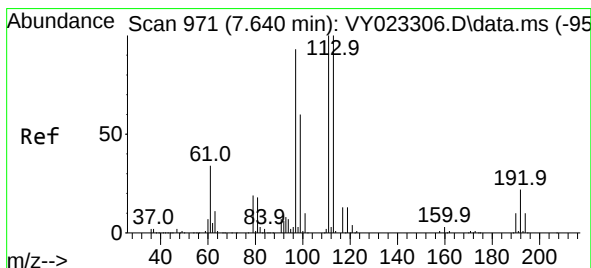
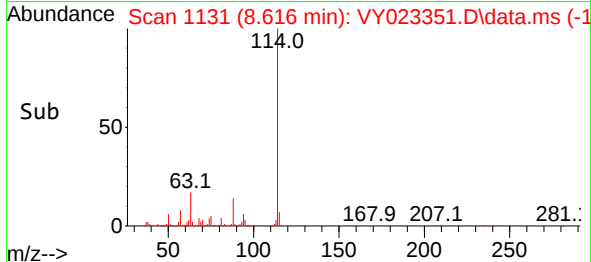
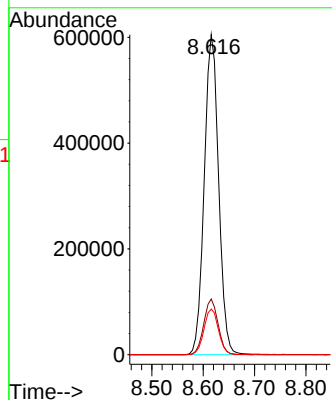
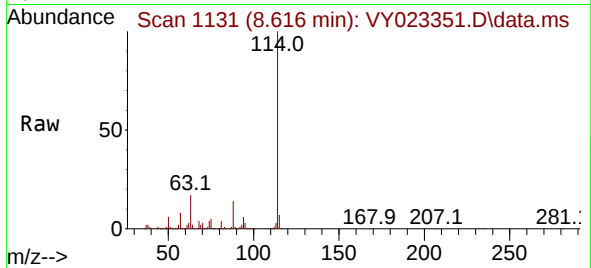




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

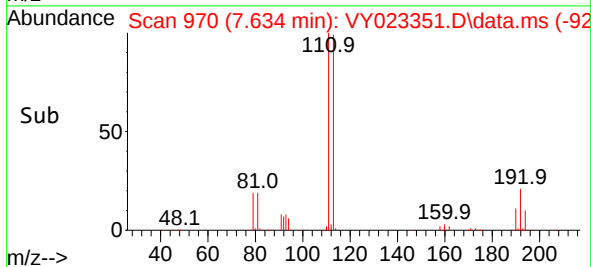
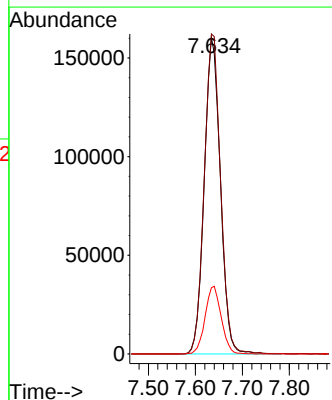
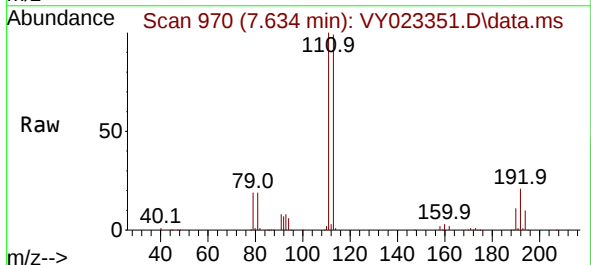
Instrument :
MSVOA_Y
ClientSampleId :
WC-33

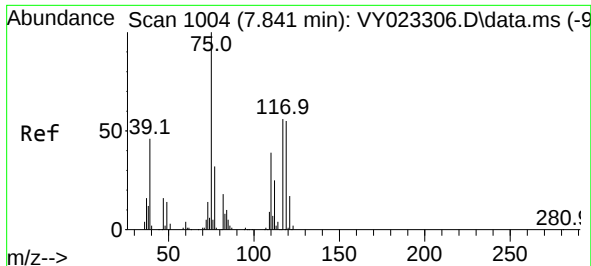
Tgt Ion:114 Resp: 1173821
Ion Ratio Lower Upper
114 100
63 17.4 0.0 38.4
88 14.3 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.172 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

Tgt Ion:113 Resp: 381517
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 21.4 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.220 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023351.D

Acq: 11 Sep 2025 16:12

Instrument :

MSVOA_Y

ClientSampleId :

WC-33

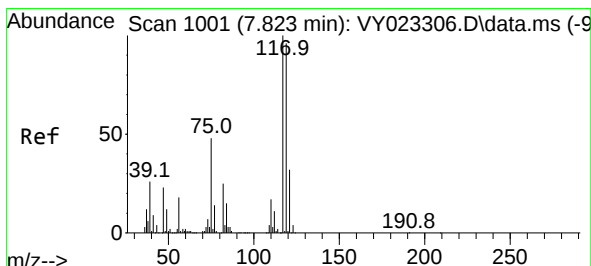
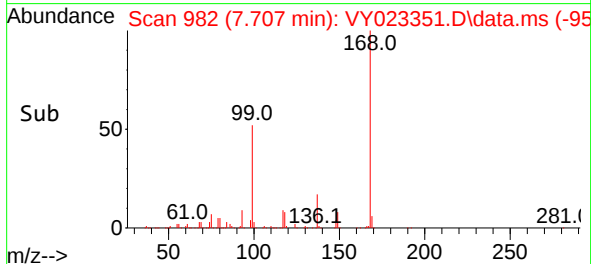
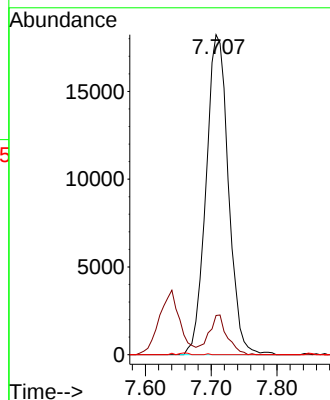
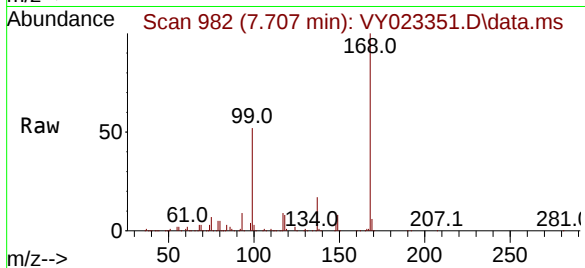
Tgt Ion: 75 Resp: 43130

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.4#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.072 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023351.D

Acq: 11 Sep 2025 16:12

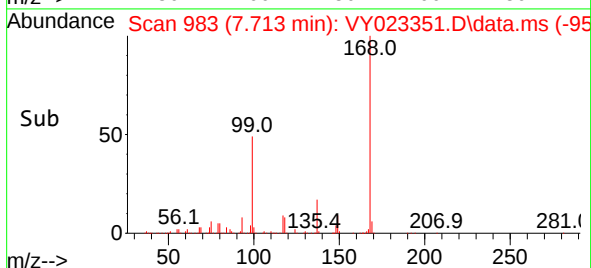
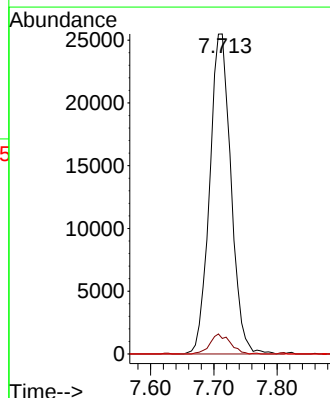
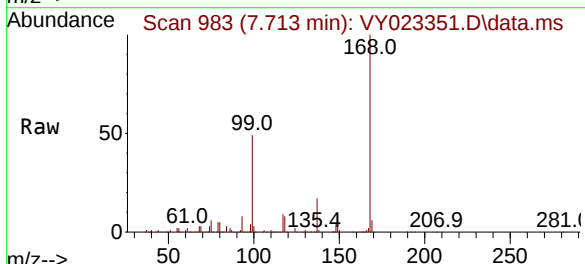
Tgt Ion: 117 Resp: 59637

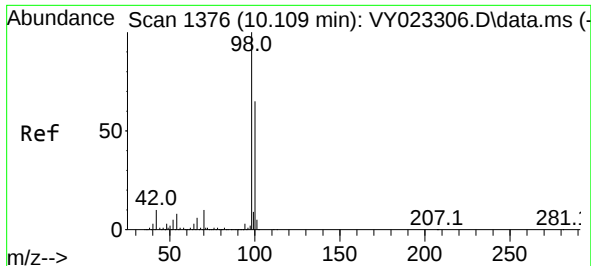
Ion Ratio Lower Upper

117 100

119 4.8 75.6 113.4#

121 0.0 25.8 38.8#

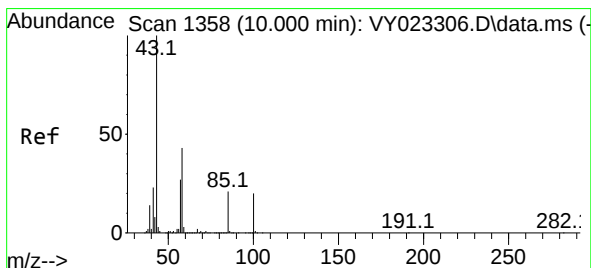
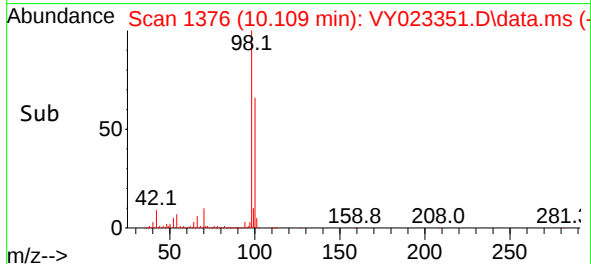
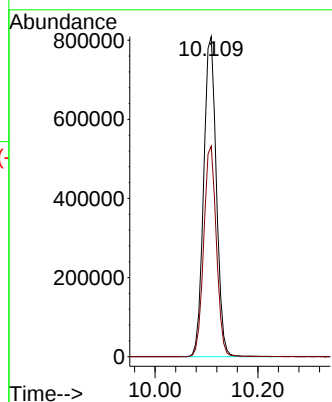
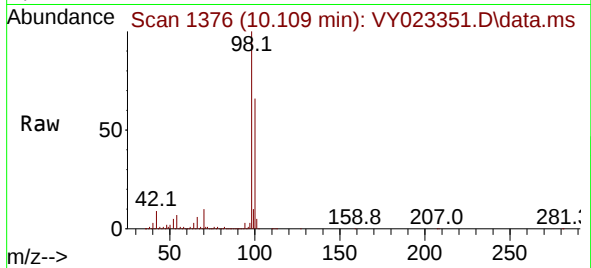




#50
Toluene-d8
Concen: 51.078 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

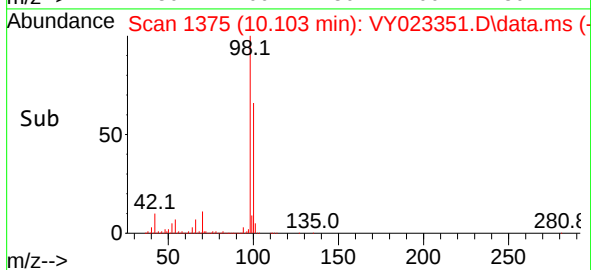
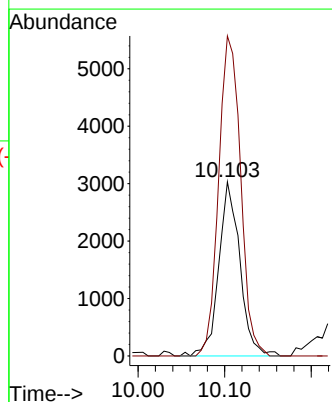
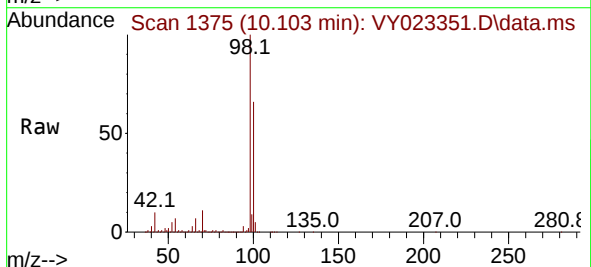
Instrument :
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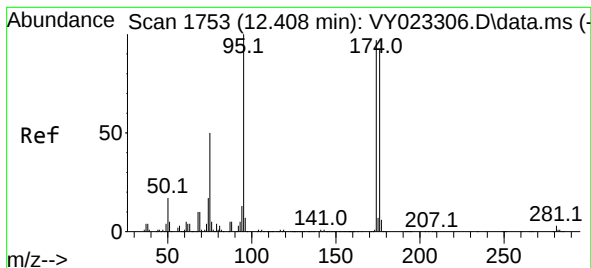
Tgt Ion: 98 Resp: 1383895
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.274 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

Tgt Ion: 43 Resp: 5152
Ion Ratio Lower Upper
43 100
58 190.5 33.5 50.3#

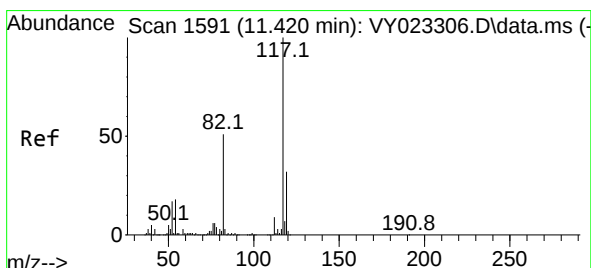
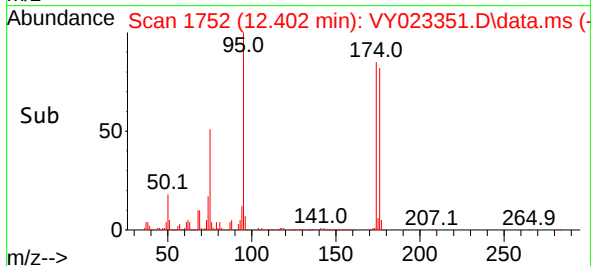
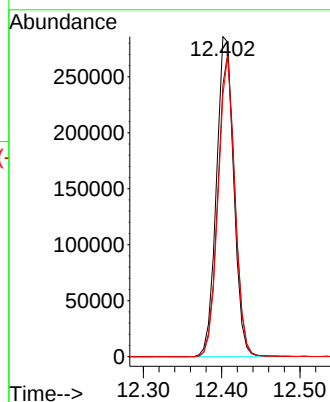
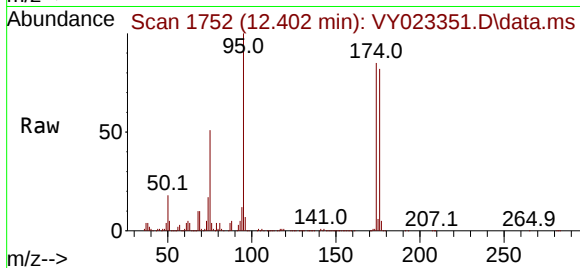




#62
4-Bromofluorobenzene
Concen: 51.720 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

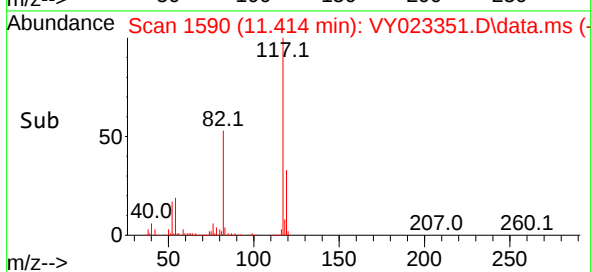
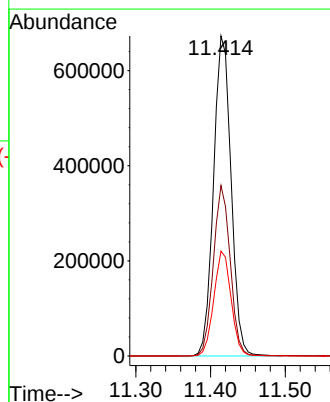
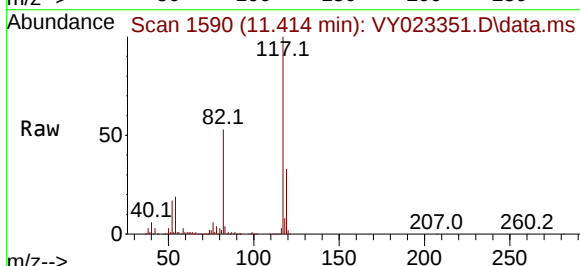
Instrument :
MSVOA_Y
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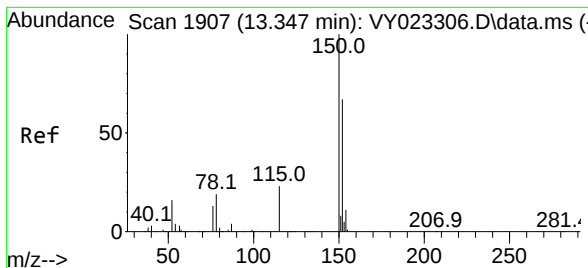
Tgt Ion: 95 Resp: 440979
Ion Ratio Lower Upper
95 100
174 93.1 0.0 171.6
176 89.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

Tgt Ion: 117 Resp: 1097282
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 32.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023351.D

Acq: 11 Sep 2025 16:12

Instrument :

MSVOA_Y

ClientSampleId :

WC-33

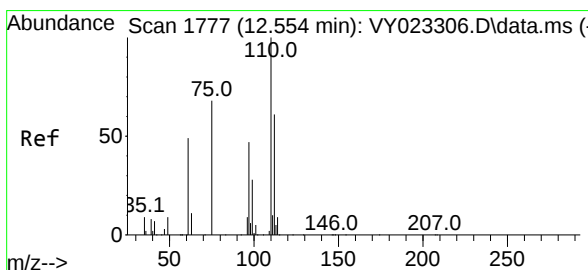
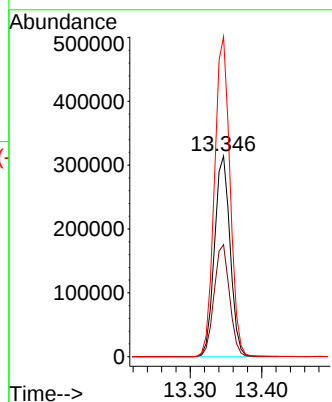
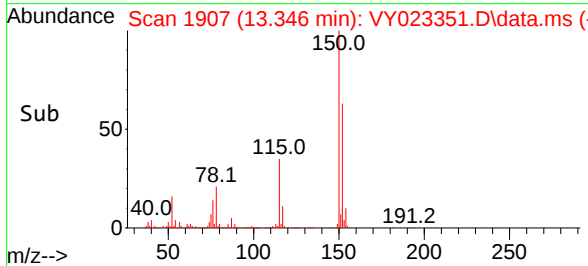
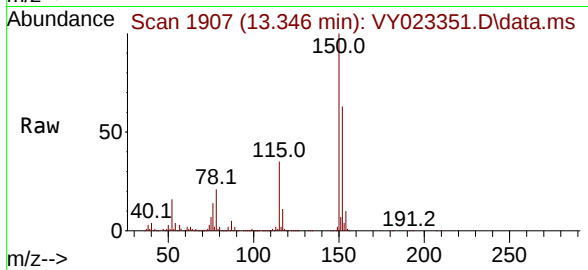
Tgt Ion:152 Resp: 476715

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.6

150 158.7 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 45.637 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023351.D

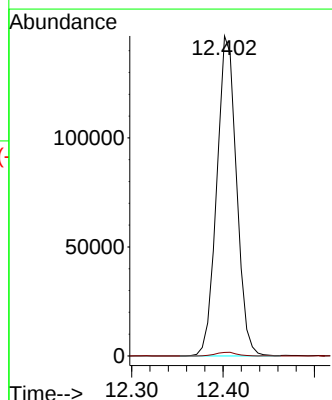
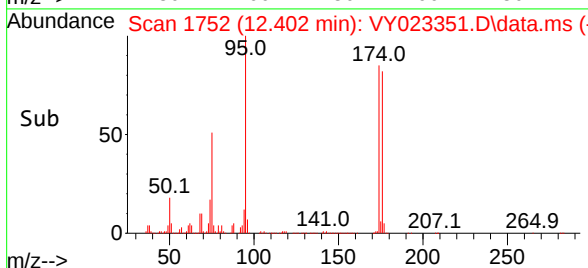
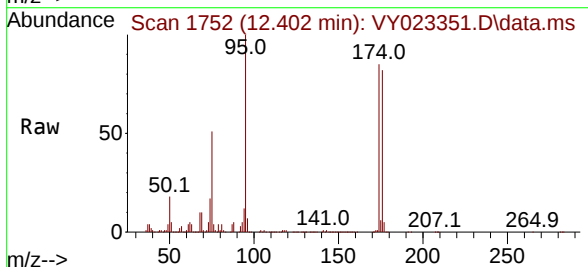
Acq: 11 Sep 2025 16:12

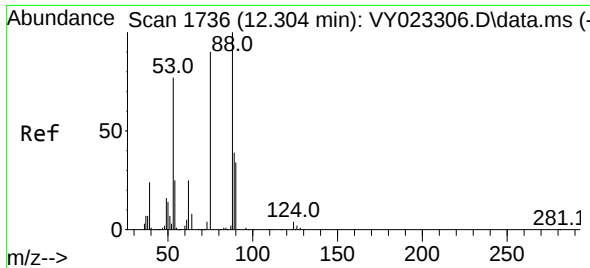
Tgt Ion: 75 Resp: 220318

Ion Ratio Lower Upper

75 100

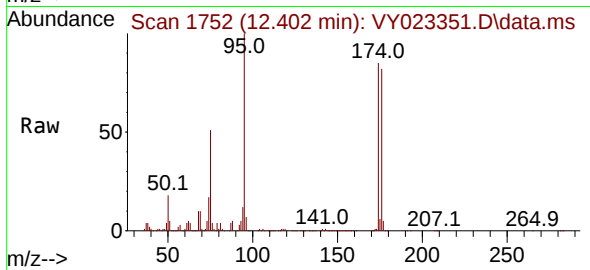
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.456 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023351.D
 Acq: 11 Sep 2025 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-33



Tgt Ion: 75 Resp: 220318
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

