

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023326.D
 Acq On : 10 Sep 2025 12:02
 Operator : SY/MD
 Sample : Q3056-01
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-090925

Quant Time: Sep 11 03:48:31 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)

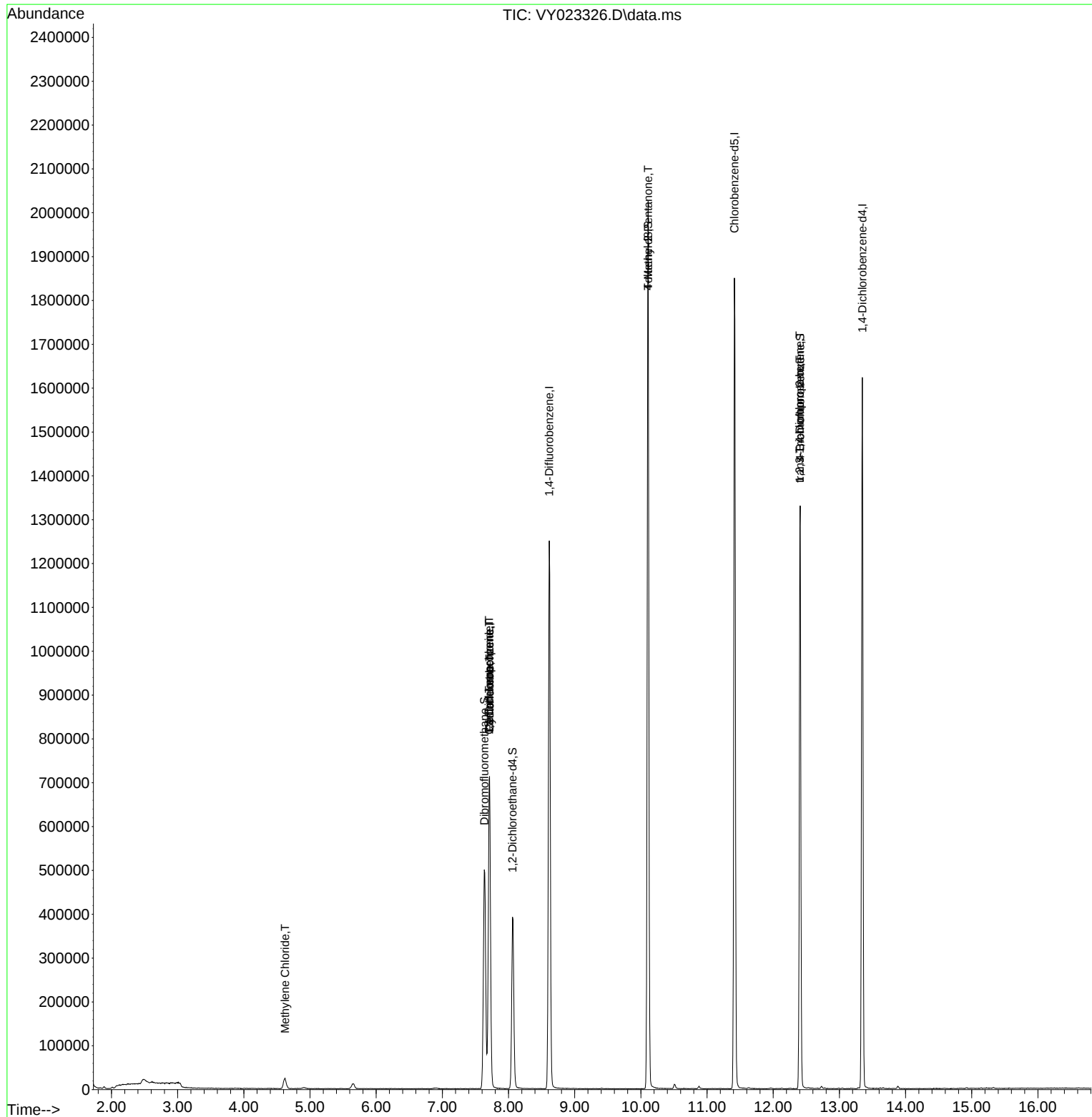
Internal Standards						
1) Pentafluorobenzene	7.713	168	582892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1114914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1035508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	429758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	306859	59.910	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.820%	
35) Dibromofluoromethane	7.634	113	364125	53.429	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.860%	
50) Toluene-d8	10.109	98	1328803	51.636	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.280%	
62) 4-Bromofluorobenzene	12.408	95	400746	49.484	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.960%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.622	84	18632	2.985	ug/l #	84
31) Cyclohexane	7.713	56	11019	1.229	ug/l #	7
36) 1,1-Dichloropropene	7.707	75	40998	4.224	ug/l #	49
38) Carbon Tetrachloride	7.707	117	55184	4.941	ug/l #	18
51) 4-Methyl-2-Pentanone	10.109	43	4989	1.298	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	203239	46.699	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	203239	127.353	ug/l #	14

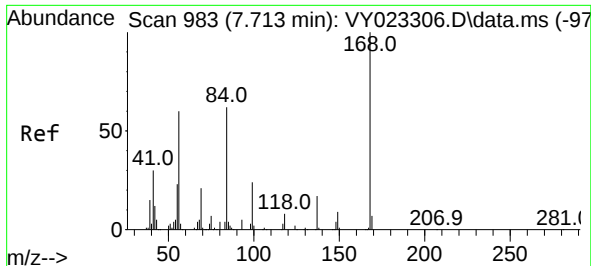
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023326.D
Acq On : 10 Sep 2025 12:02
Operator : SY/MD
Sample : Q3056-01
Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OK-02-090925

Quant Time: Sep 11 03:48:31 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

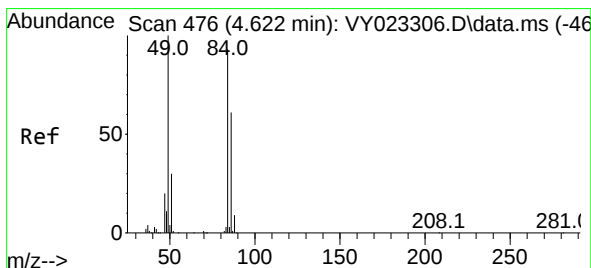
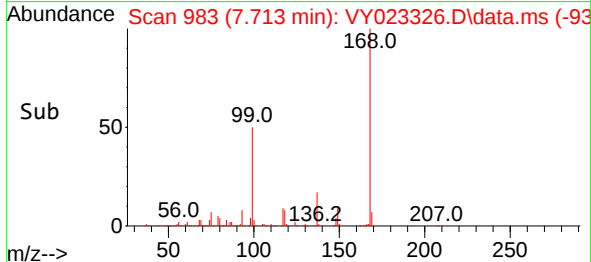
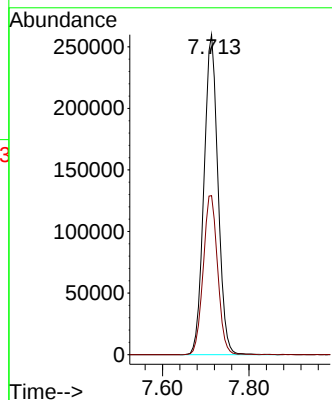
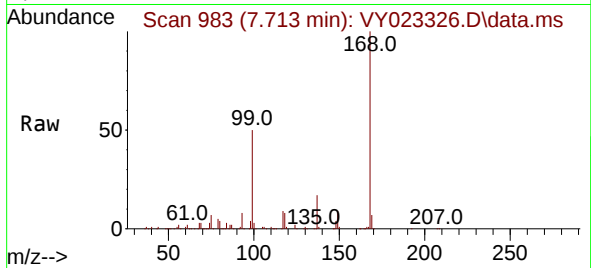




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023326.D
Acq: 10 Sep 2025 12:02

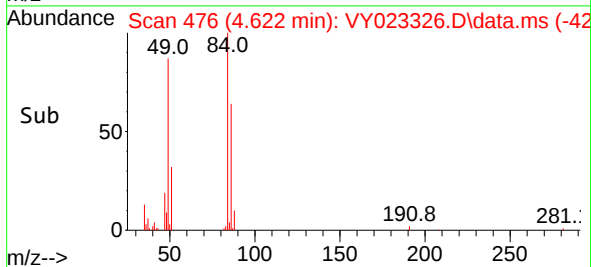
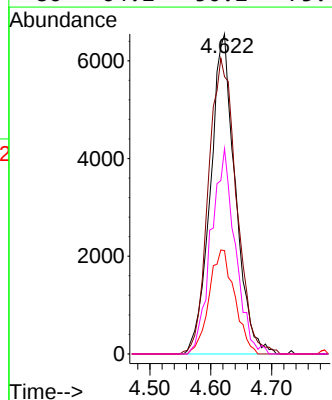
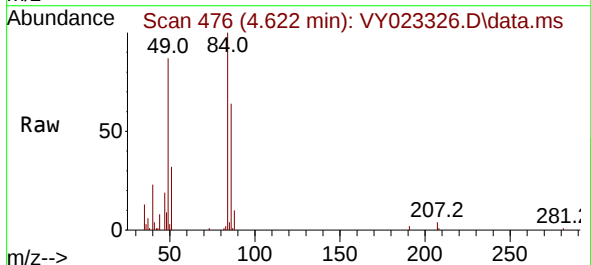
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-090925

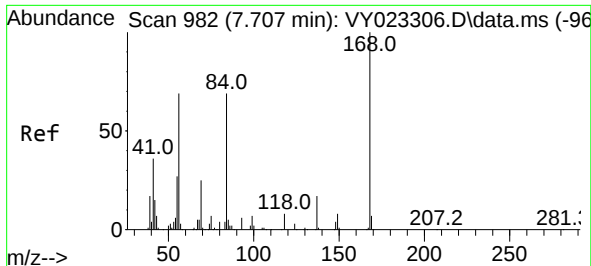
Tgt Ion:168 Resp: 582892
Ion Ratio Lower Upper
168 100
99 49.7 42.8 64.2



#20
Methylene Chloride
Concen: 2.985 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.018 min
Lab File: VY023326.D
Acq: 10 Sep 2025 12:02

Tgt Ion: 84 Resp: 18632
Ion Ratio Lower Upper
84 100
49 86.6 93.0 139.6#
51 32.3 29.0 43.4
86 64.2 50.2 75.4

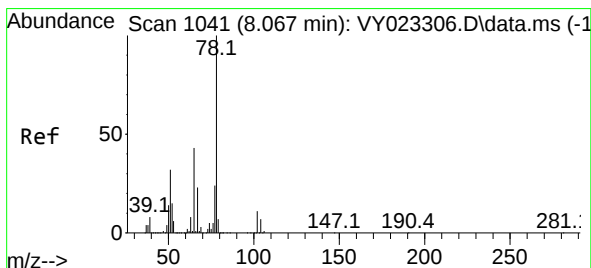
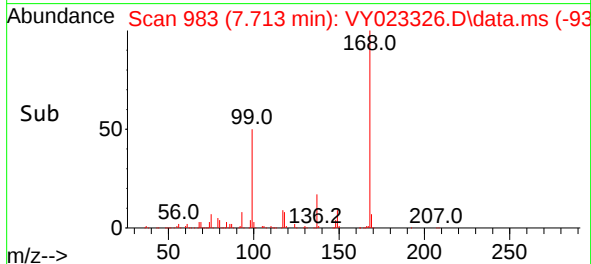
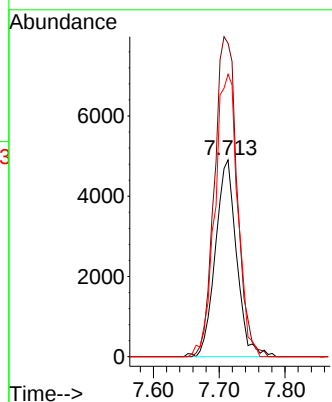
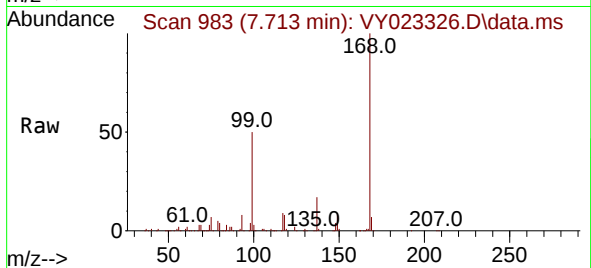




#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY023326.D
Acq: 10 Sep 2025 12:02

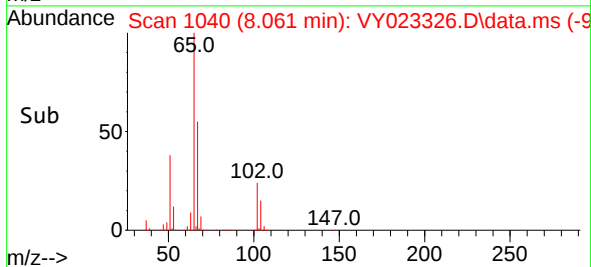
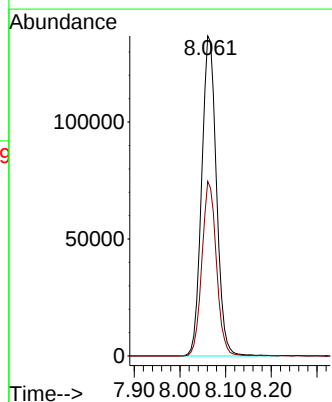
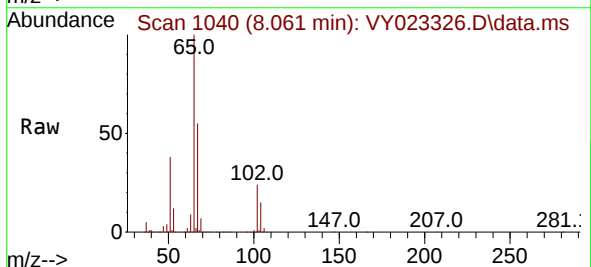
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-090925

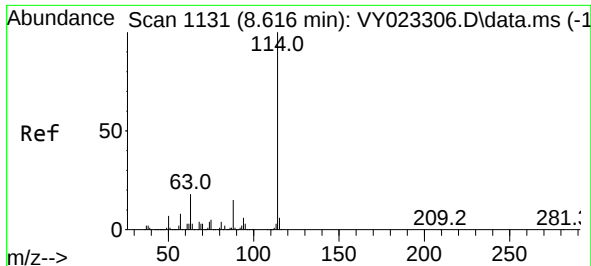
Tgt Ion: 56 Resp: 11019
Ion Ratio Lower Upper
56 100
69 159.2 28.2 42.2#
84 143.5 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 59.910 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023326.D
Acq: 10 Sep 2025 12:02

Tgt Ion: 65 Resp: 306859
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8

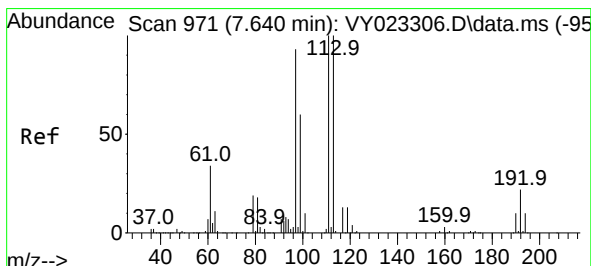
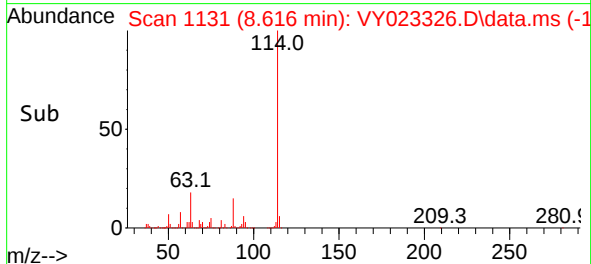
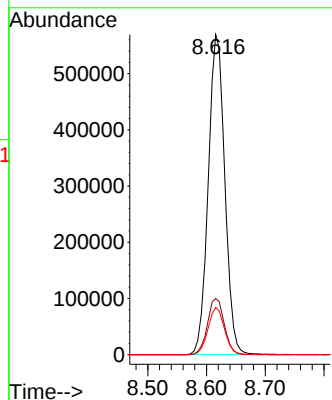
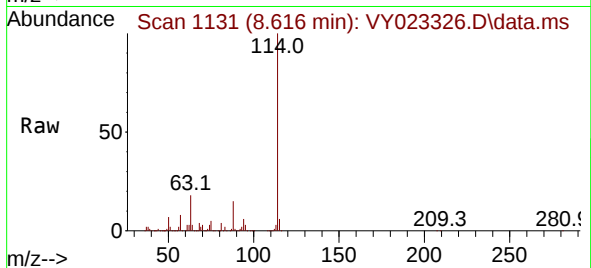




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023326.D
Acq: 10 Sep 2025 12:02

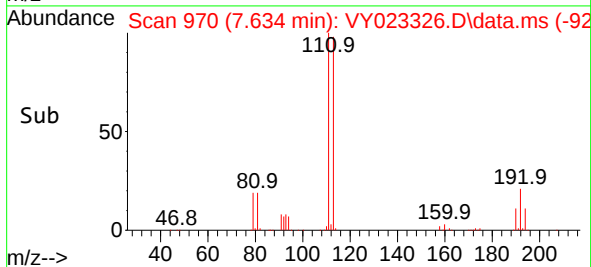
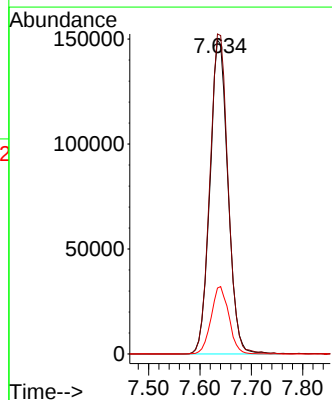
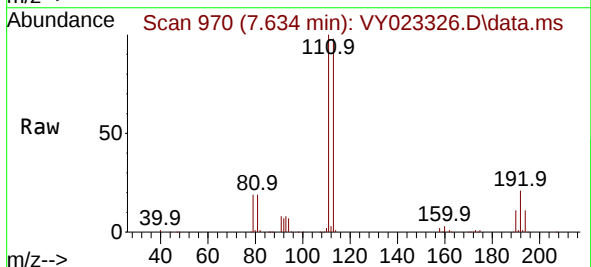
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-090925

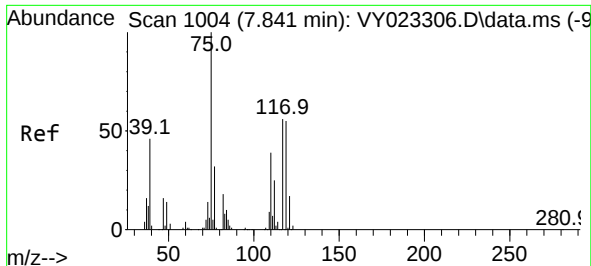
Tgt Ion:114 Resp: 1114914
Ion Ratio Lower Upper
114 100
63 17.6 0.0 38.4
88 14.7 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.429 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023326.D
Acq: 10 Sep 2025 12:02

Tgt Ion:113 Resp: 364125
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 21.1 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.224 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023326.D

Acq: 10 Sep 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-090925

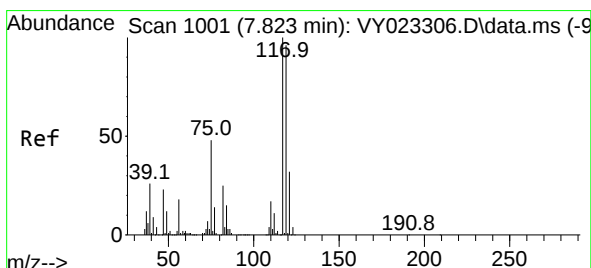
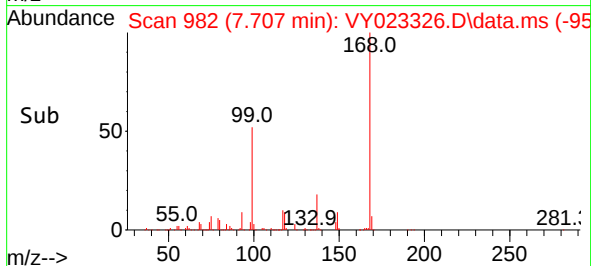
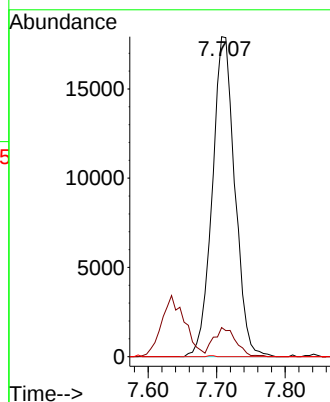
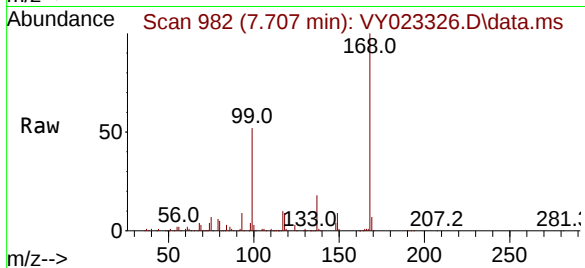
Tgt Ion: 75 Resp: 40998

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 4.941 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023326.D

Acq: 10 Sep 2025 12:02

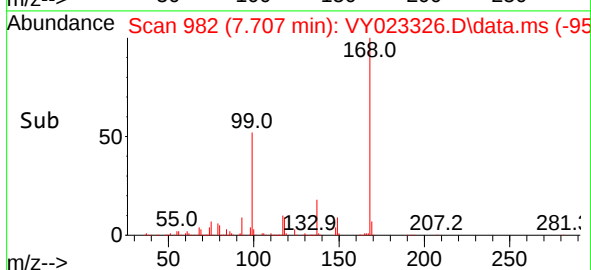
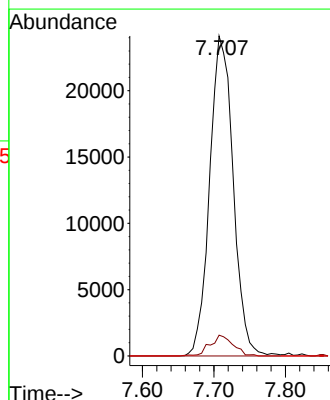
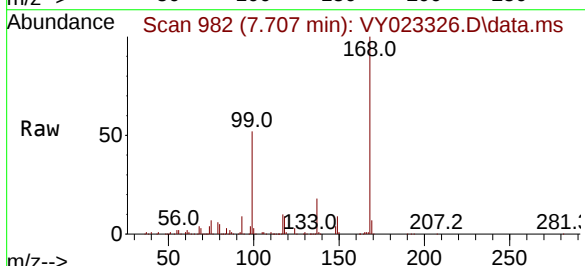
Tgt Ion: 117 Resp: 55184

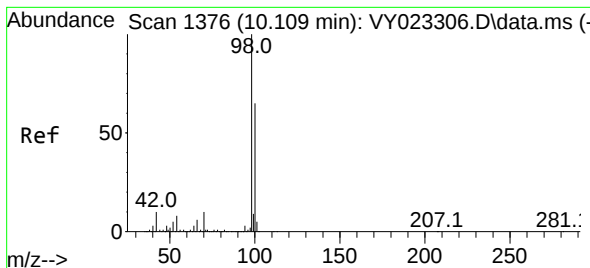
Ion Ratio Lower Upper

117 100

119 6.5 75.6 113.4#

121 0.0 25.8 38.8#





#50

Toluene-d8

Concen: 51.636 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023326.D

Acq: 10 Sep 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

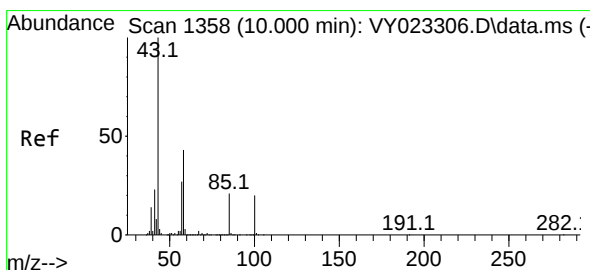
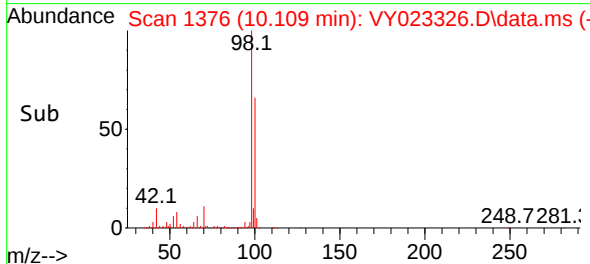
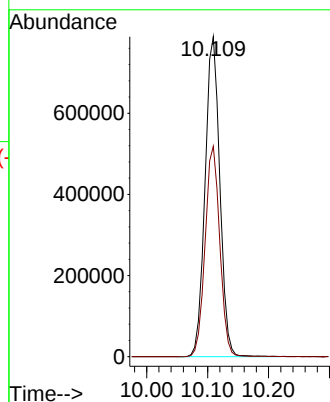
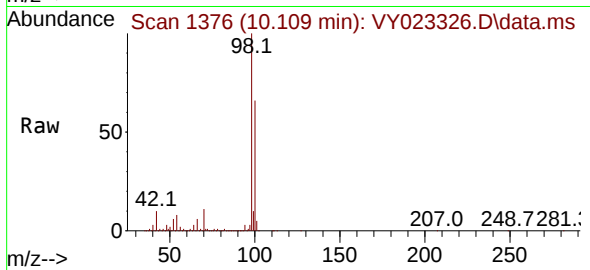
OK-02-090925

Tgt Ion: 98 Resp: 1328803

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.298 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.116 min

Lab File: VY023326.D

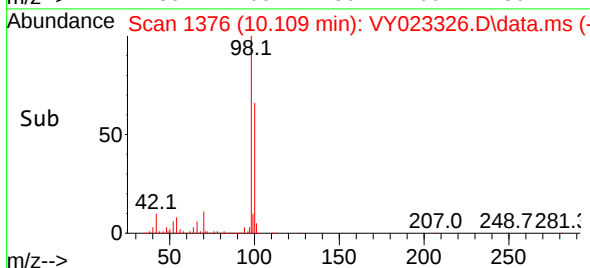
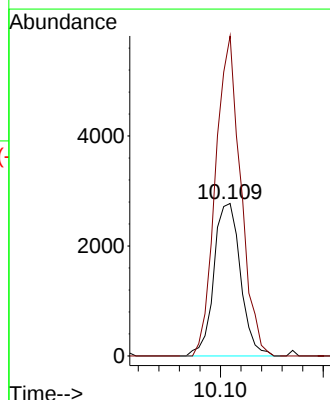
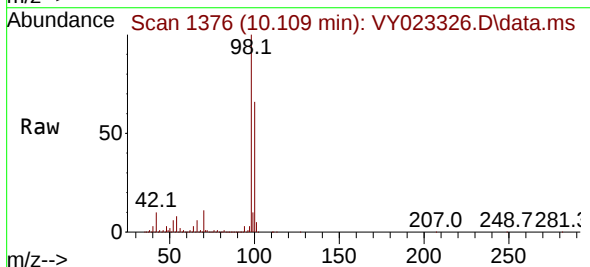
Acq: 10 Sep 2025 12:02

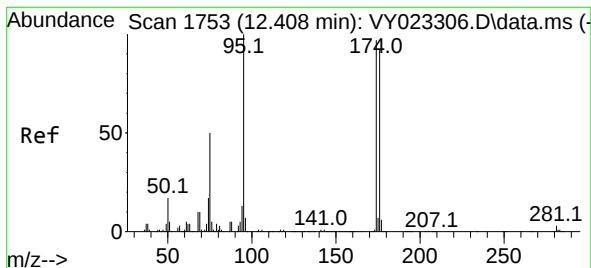
Tgt Ion: 43 Resp: 4989

Ion Ratio Lower Upper

43 100

58 198.6 33.5 50.3#

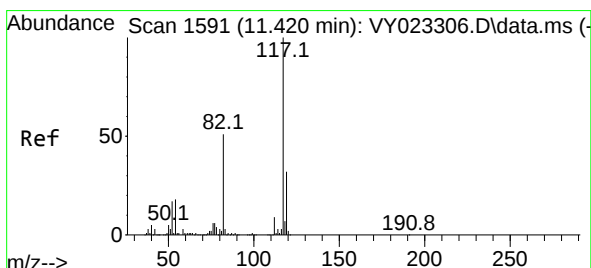
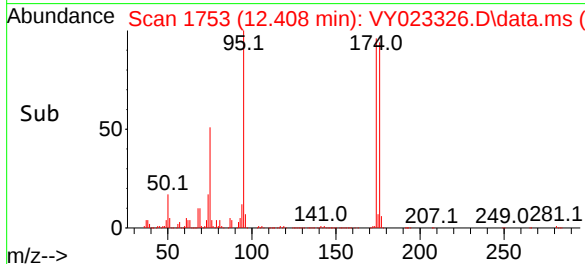
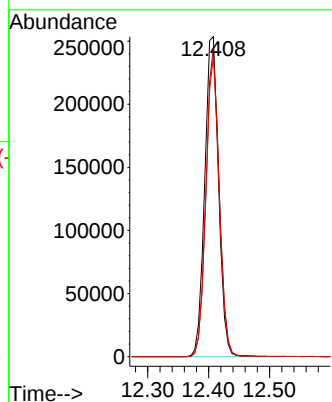
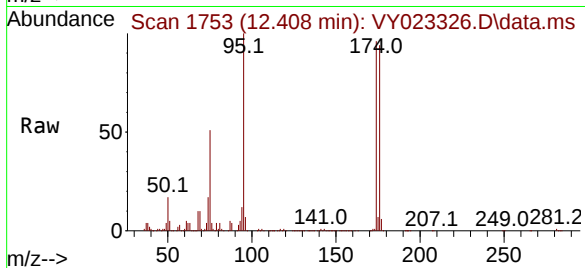




#62
4-Bromofluorobenzene
Concen: 49.484 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023326.D
Acq: 10 Sep 2025 12:02

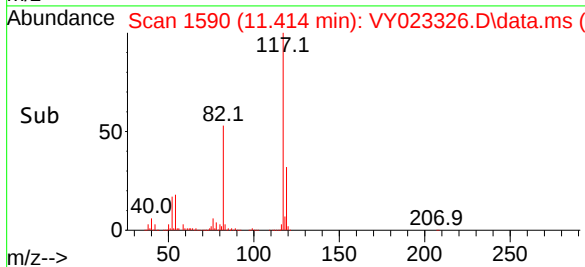
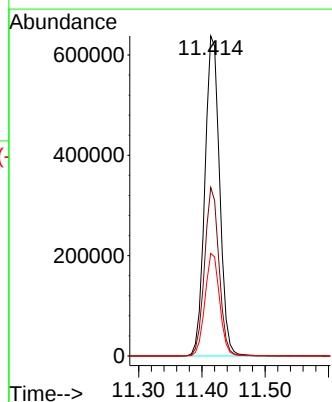
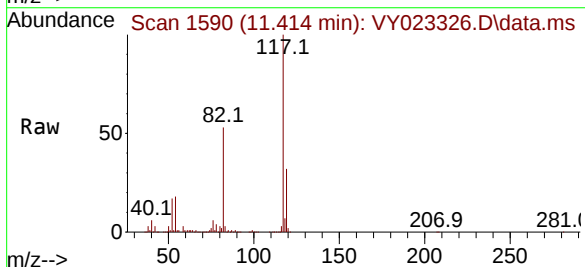
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-090925

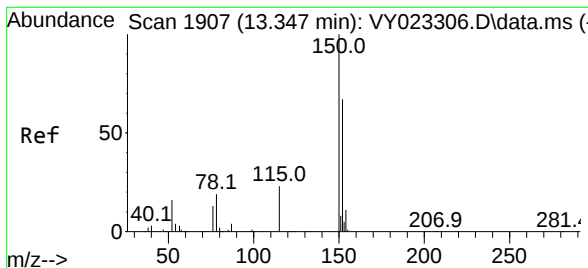
Tgt Ion: 95 Resp: 400746
Ion Ratio Lower Upper
95 100
174 92.5 0.0 171.6
176 90.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023326.D
Acq: 10 Sep 2025 12:02

Tgt Ion: 117 Resp: 1035508
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 32.1 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023326.D

Acq: 10 Sep 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-090925

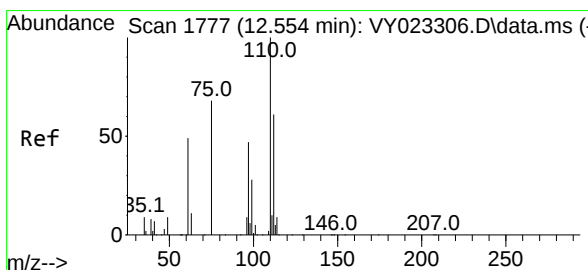
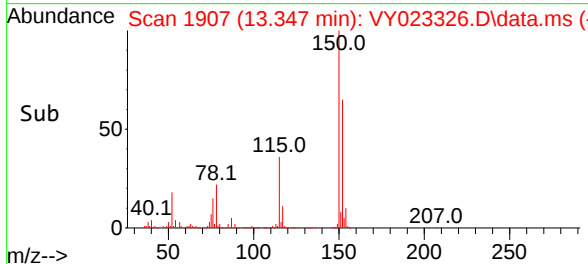
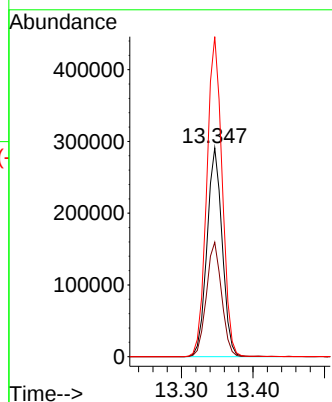
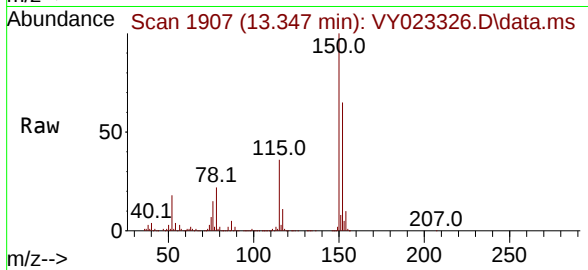
Tgt Ion:152 Resp: 429758

Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.6

150 155.7 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 46.699 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023326.D

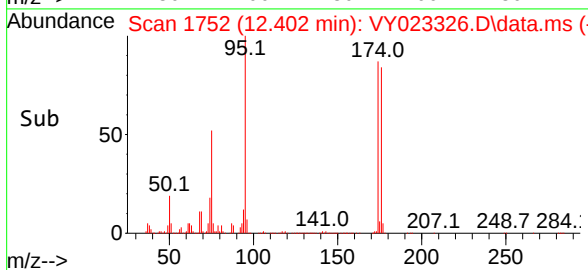
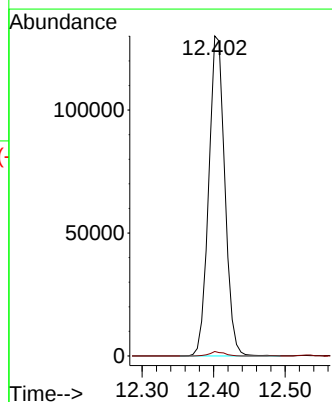
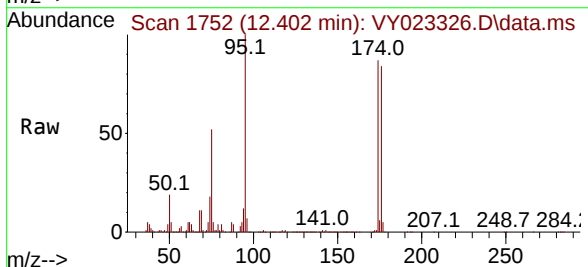
Acq: 10 Sep 2025 12:02

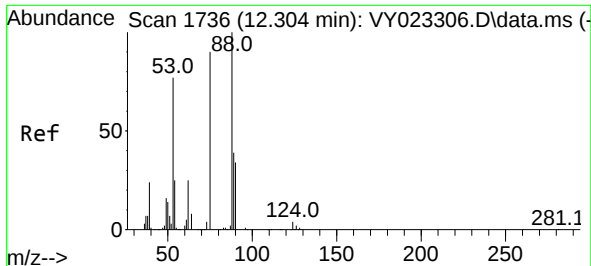
Tgt Ion: 75 Resp: 203239

Ion Ratio Lower Upper

75 100

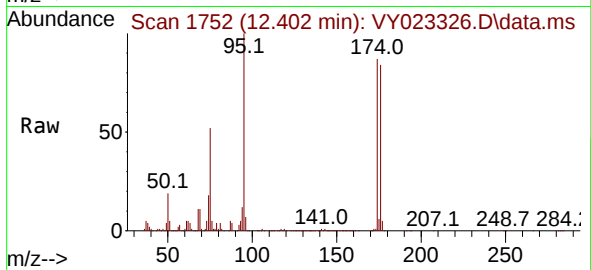
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.353 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023326.D
 Acq: 10 Sep 2025 12:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-090925



Tgt Ion: 75 Resp: 203239
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#

