

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023325.D
 Acq On : 10 Sep 2025 11:39
 Operator : SY/MD
 Sample : Q3055-01
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-090925

Quant Time: Sep 11 03:48:07 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)

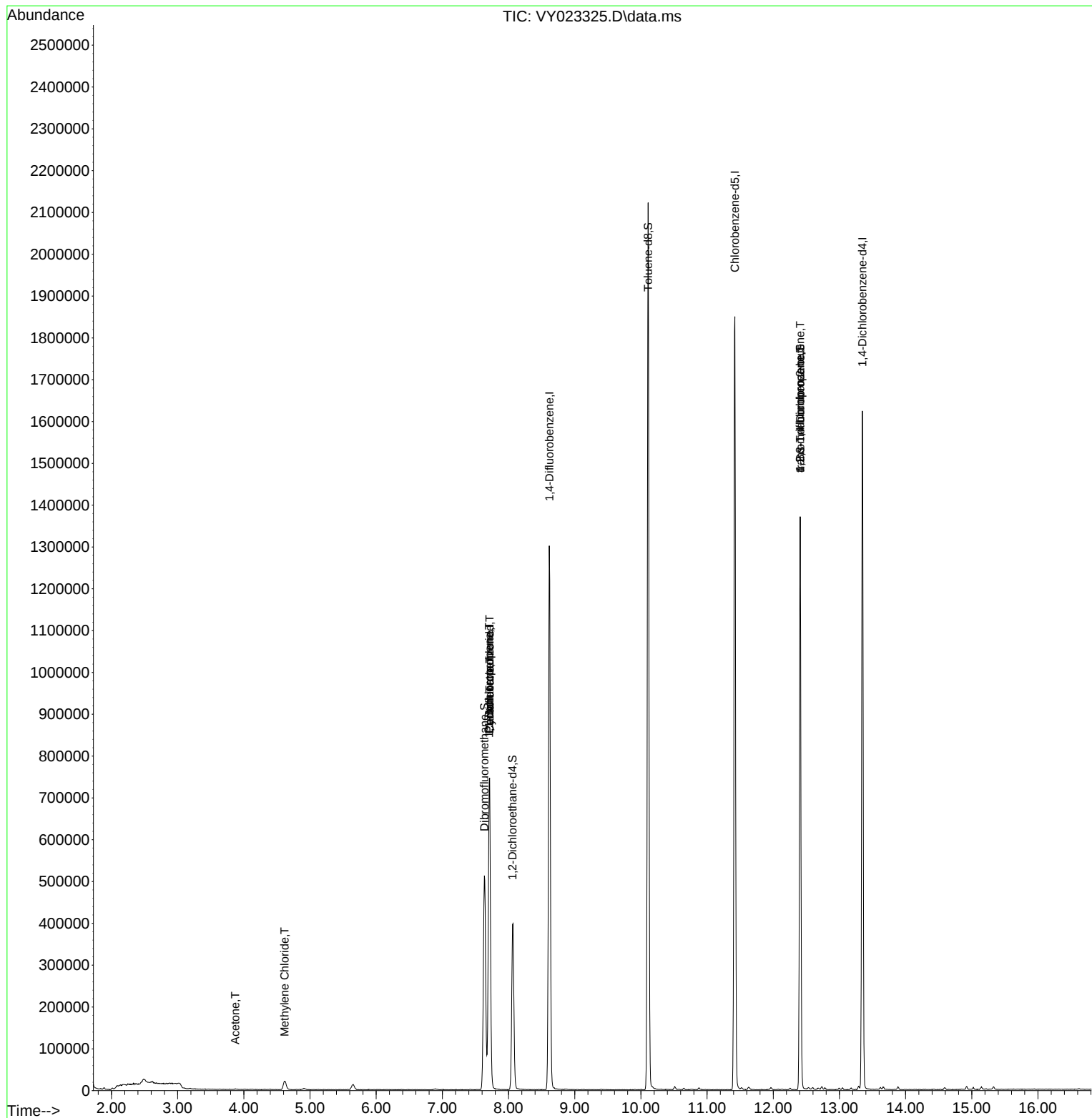
Internal Standards						
1) Pentafluorobenzene	7.713	168	610021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1154474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1044014	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	422459	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	315099	58.783	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.560%	
35) Dibromofluoromethane	7.634	113	373688	52.954	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.900%	
50) Toluene-d8	10.109	98	1368860	51.370	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.740%	
62) 4-Bromofluorobenzene	12.407	95	402254	47.968	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.940%	
Target Compounds						Qvalue
16) Acetone	3.872	43	1943	1.591	ug/l	97
20) Methylene Chloride	4.616	84	16645	2.548	ug/l	93
31) Cyclohexane	7.713	56	11504	1.226	ug/l #	11
36) 1,1-Dichloropropene	7.707	75	42942	4.272	ug/l #	50
38) Carbon Tetrachloride	7.713	117	56573	4.892	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	202201	47.263	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	202201	128.891	ug/l #	14

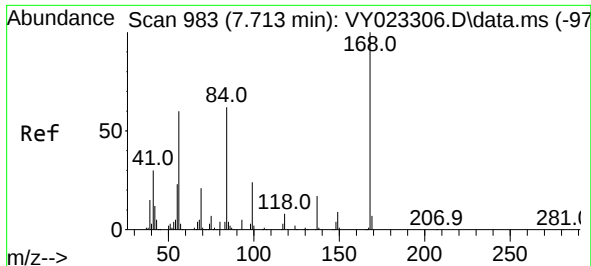
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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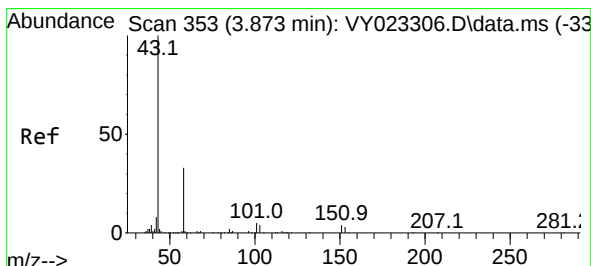
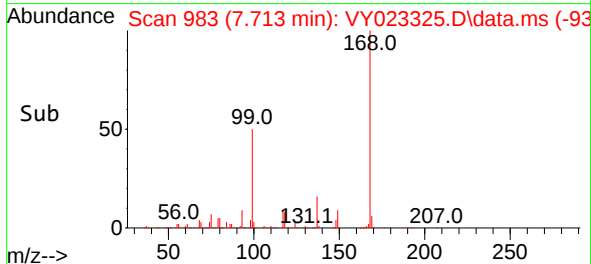
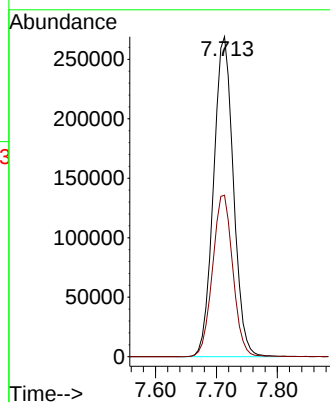
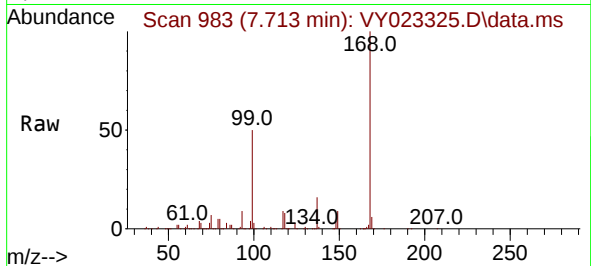




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023325.D
Acq: 10 Sep 2025 11:39

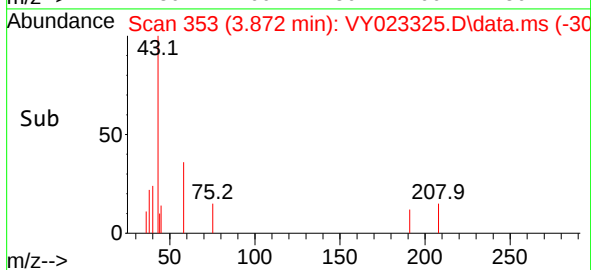
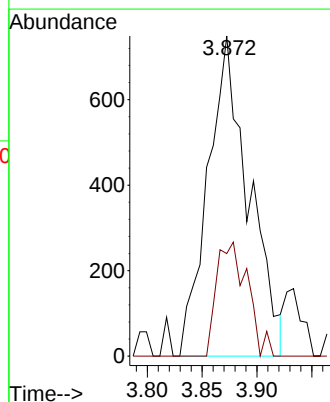
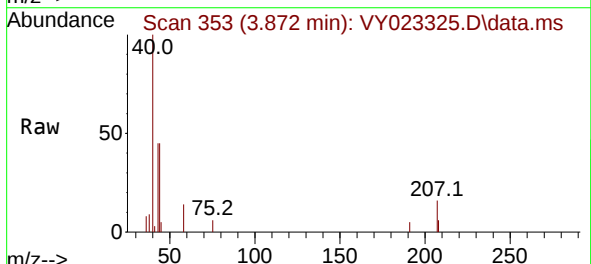
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-090925

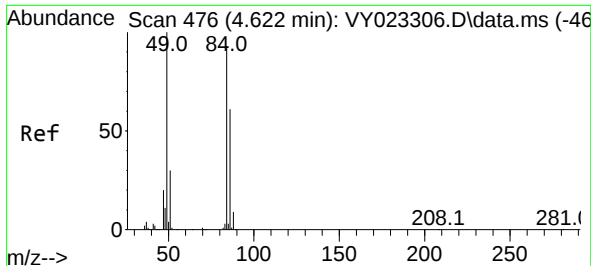
Tgt Ion:168 Resp: 610021
Ion Ratio Lower Upper
168 100
99 50.4 42.8 64.2



#16
Acetone
Concen: 1.591 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023325.D
Acq: 10 Sep 2025 11:39

Tgt Ion: 43 Resp: 1943
Ion Ratio Lower Upper
43 100
58 32.0 27.1 40.7

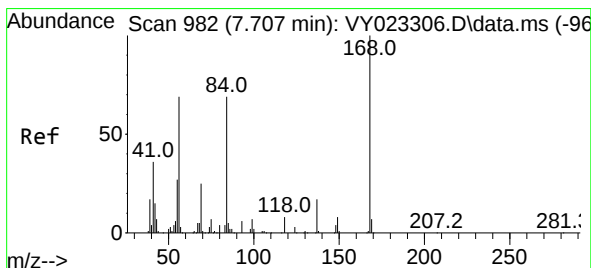
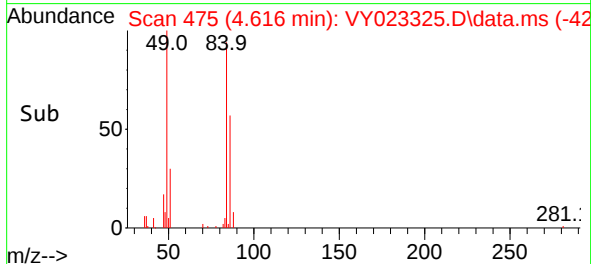
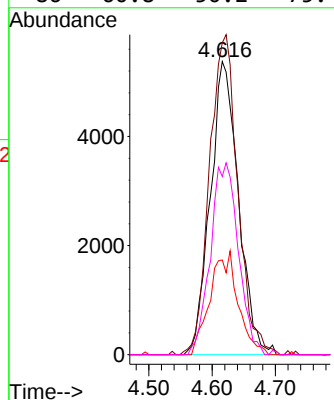
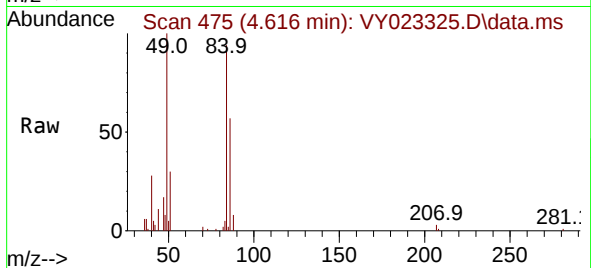




#20
Methylene Chloride
Concen: 2.548 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023325.D
Acq: 10 Sep 2025 11:39

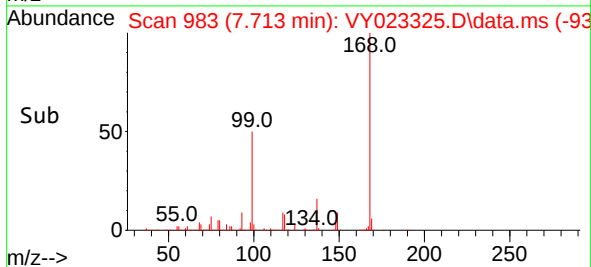
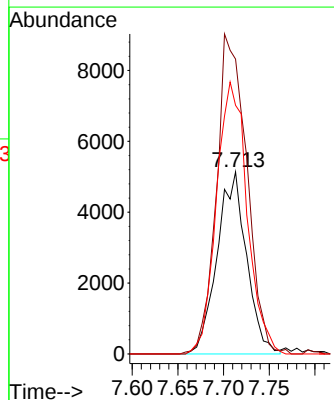
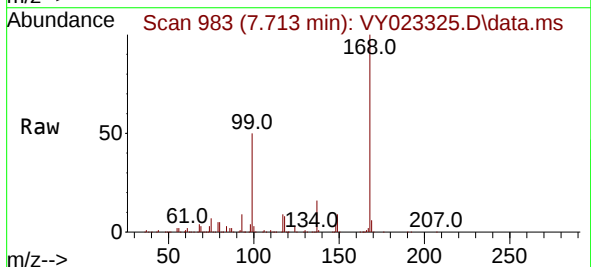
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-090925

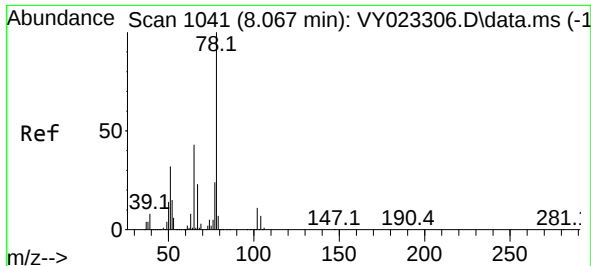
Tgt Ion:	84	Resp:	16645
Ion	Ratio	Lower	Upper
84	100		
49	106.4	93.0	139.6
51	32.3	29.0	43.4
86	60.8	50.2	75.4



#31
Cyclohexane
Concen: 1.226 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.018 min
Lab File: VY023325.D
Acq: 10 Sep 2025 11:39

Tgt Ion:	56	Resp:	11504
Ion	Ratio	Lower	Upper
56	100		
69	161.8	28.2	42.2#
84	136.5	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 58.783 ug/l

RT: 8.061 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023325.D

Acq: 10 Sep 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

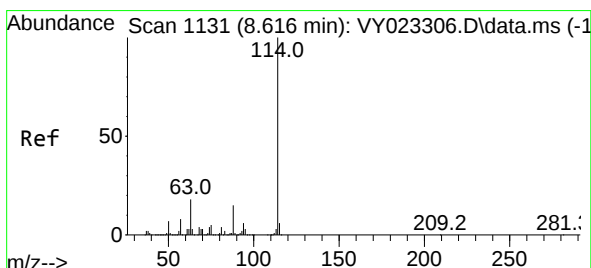
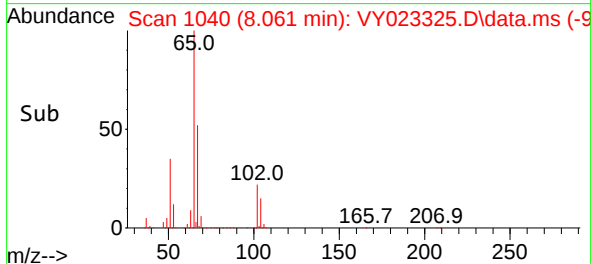
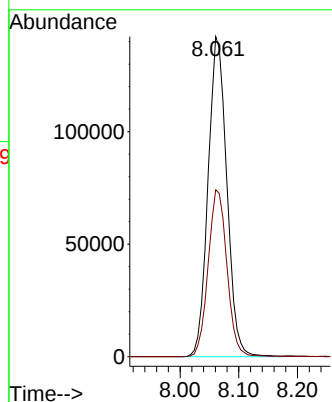
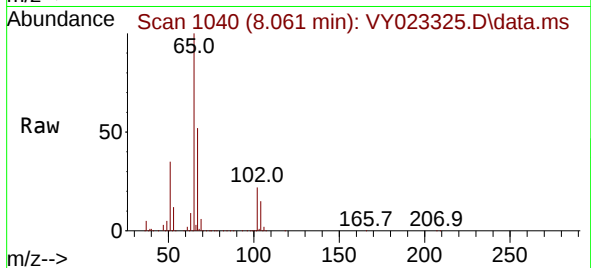
OR-03-090925

Tgt Ion: 65 Resp: 315099

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023325.D

Acq: 10 Sep 2025 11:39

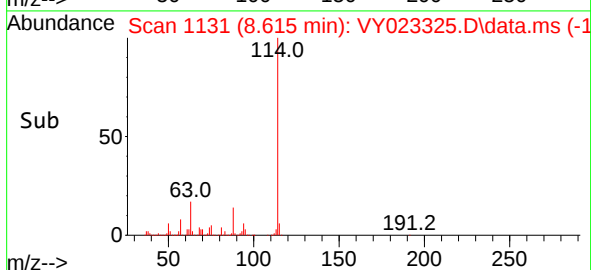
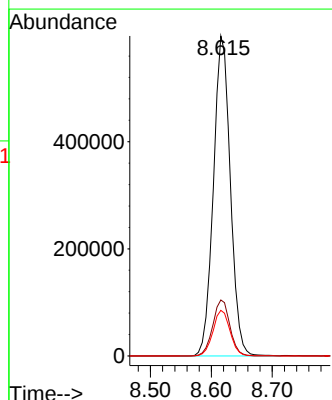
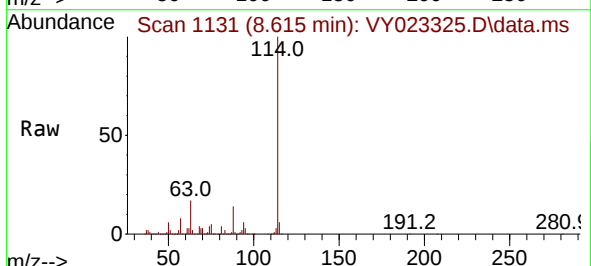
Tgt Ion:114 Resp: 1154474

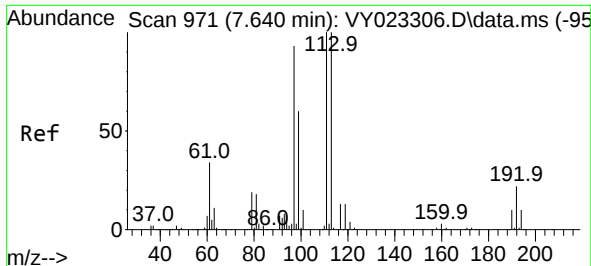
Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

88 14.3 0.0 30.0

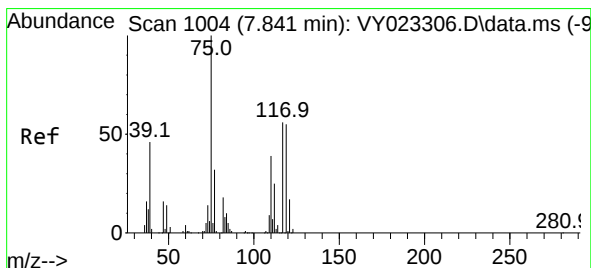
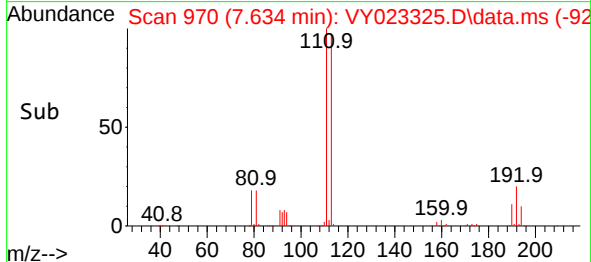
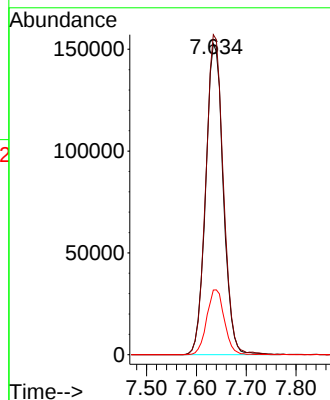
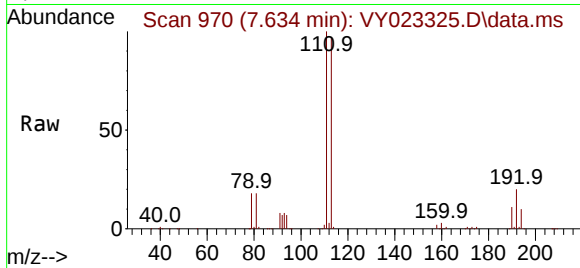




#35
Dibromofluoromethane
Concen: 52.954 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023325.D
Acq: 10 Sep 2025 11:39

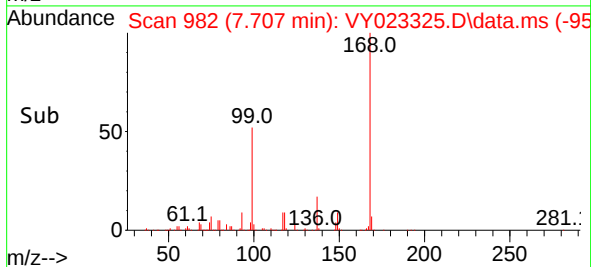
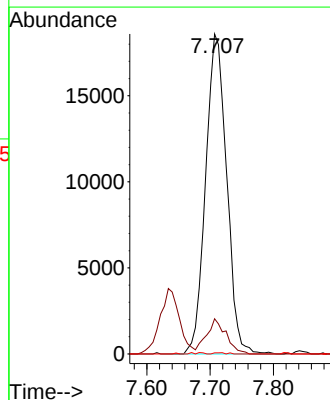
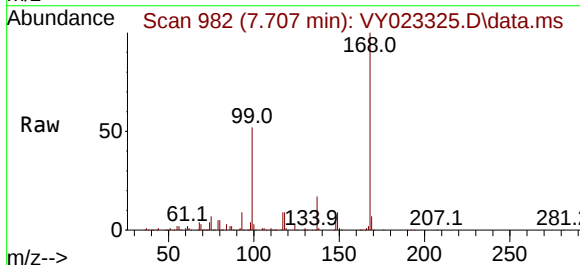
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-090925

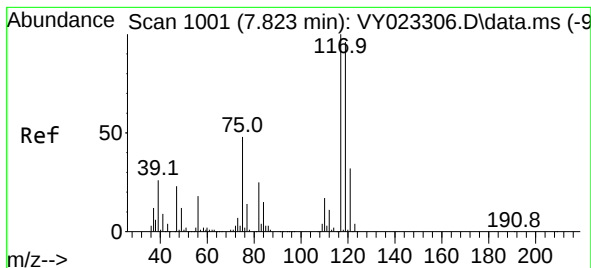
Tgt Ion:113 Resp: 373688
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 20.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.272 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023325.D
Acq: 10 Sep 2025 11:39

Tgt Ion: 75 Resp: 42942
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.4#
77 0.2 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 4.892 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.104 min

Lab File: VY023325.D

Acq: 10 Sep 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-090925

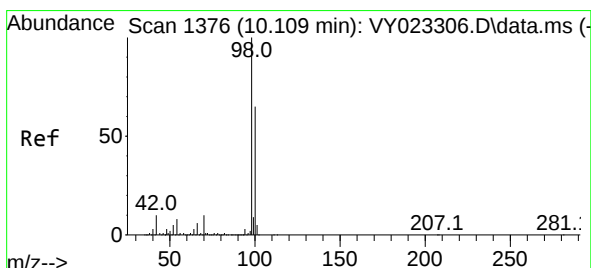
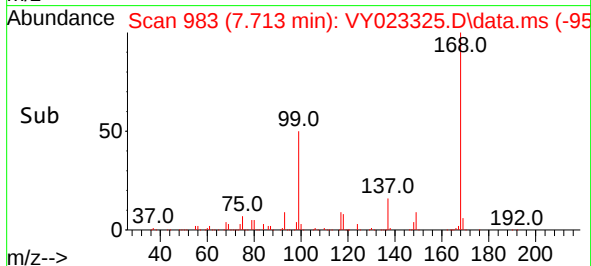
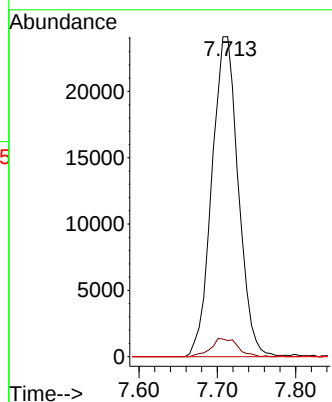
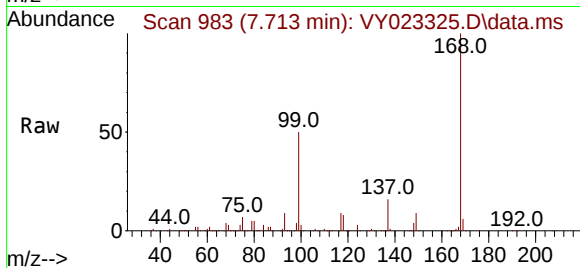
Tgt Ion:117 Resp: 56573

Ion Ratio Lower Upper

117 100

119 5.1 75.6 113.4#

121 0.0 25.8 38.8#



#50

Toluene-d8

Concen: 51.370 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023325.D

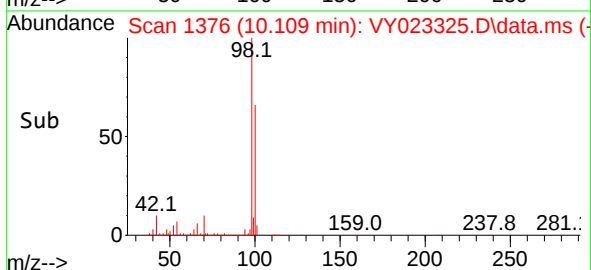
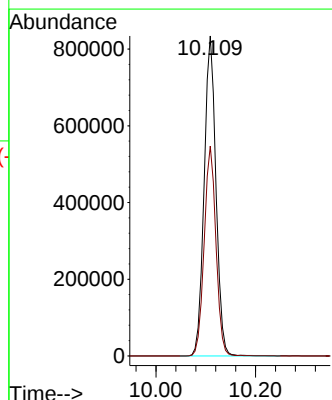
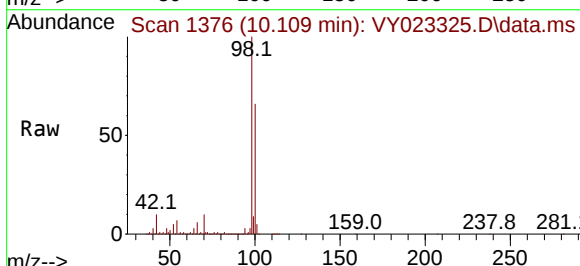
Acq: 10 Sep 2025 11:39

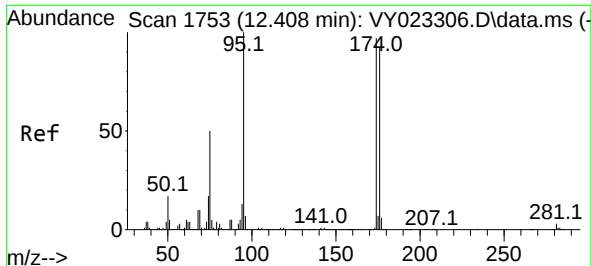
Tgt Ion: 98 Resp: 1368860

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5

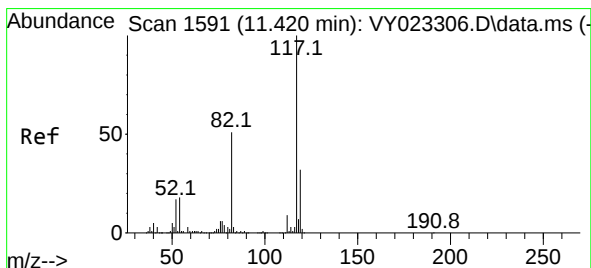
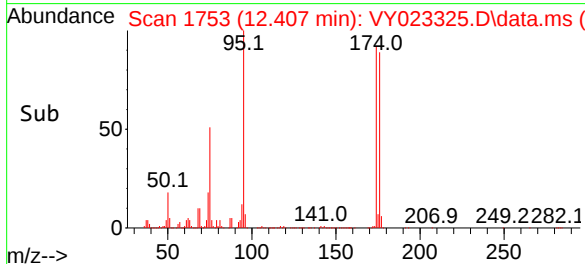
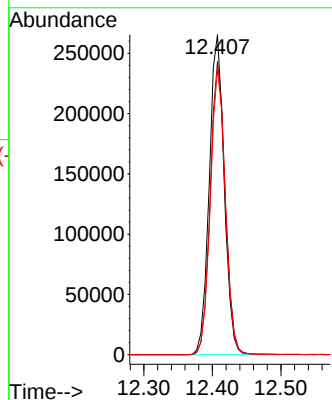
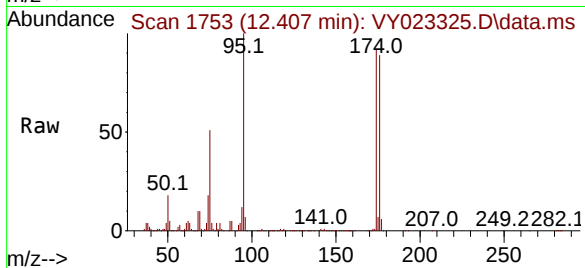




#62
4-Bromofluorobenzene
Concen: 47.968 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023325.D
Acq: 10 Sep 2025 11:39

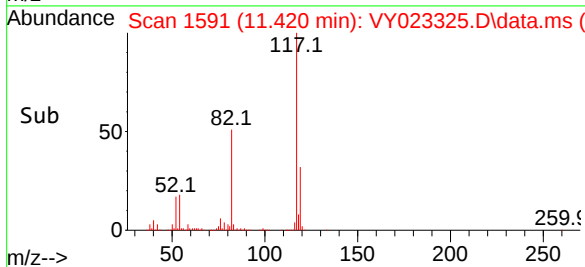
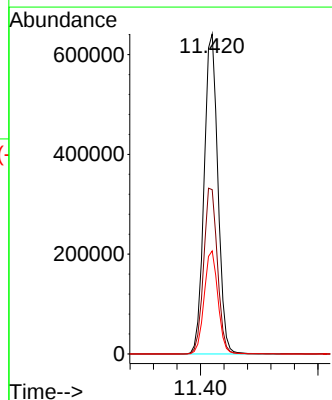
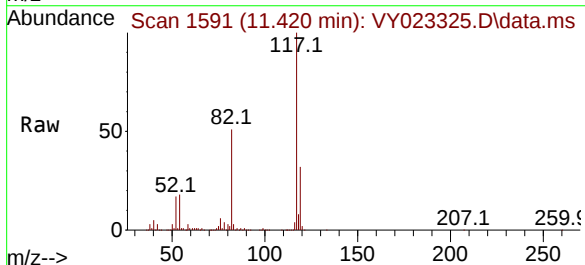
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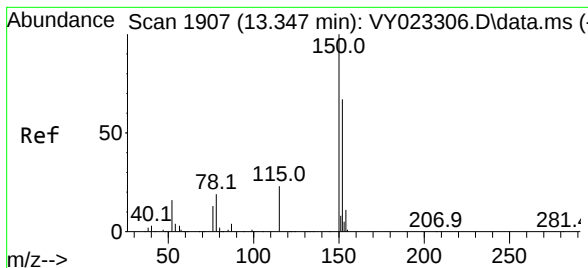
Tgt Ion: 95 Resp: 402254
Ion Ratio Lower Upper
95 100
174 92.6 0.0 171.6
176 89.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.012 min
Lab File: VY023325.D
Acq: 10 Sep 2025 11:39

Tgt Ion: 117 Resp: 1044014
Ion Ratio Lower Upper
117 100
82 51.3 43.4 65.0
119 32.2 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: VY023325.D

Acq: 10 Sep 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-090925

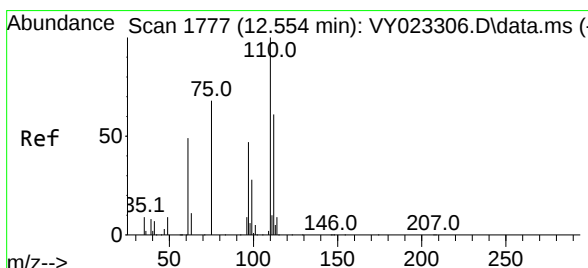
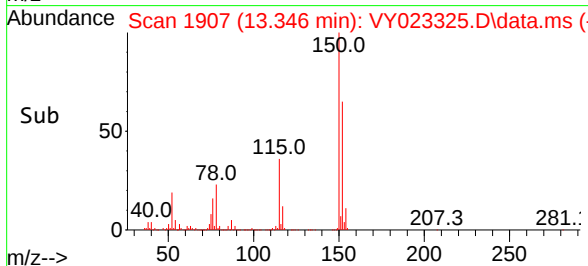
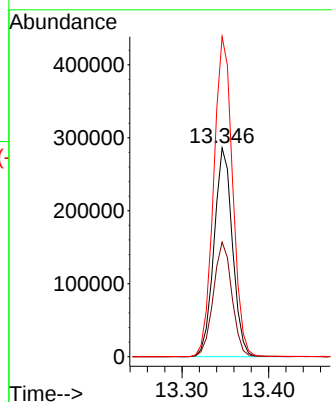
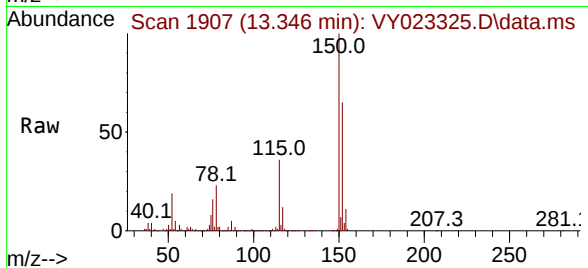
Tgt Ion:152 Resp: 422459

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.6

150 157.3 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 47.263 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.140 min

Lab File: VY023325.D

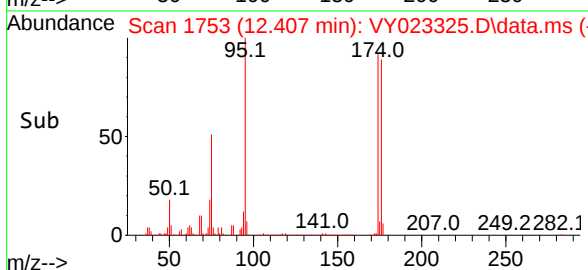
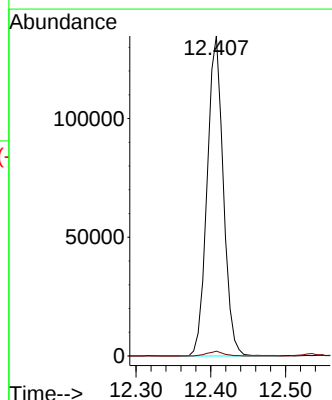
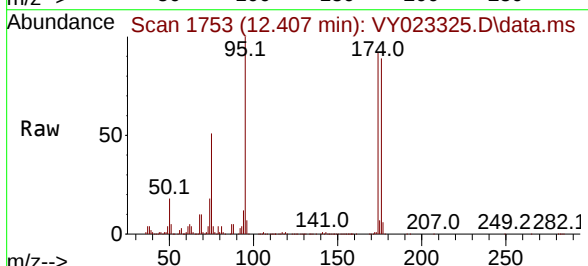
Acq: 10 Sep 2025 11:39

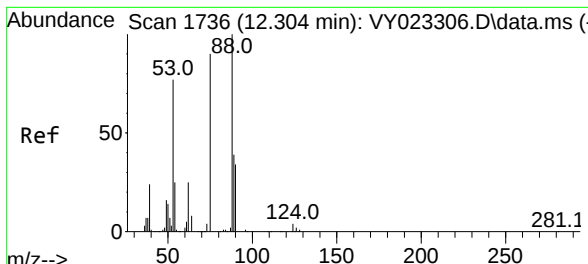
Tgt Ion: 75 Resp: 202201

Ion Ratio Lower Upper

75 100

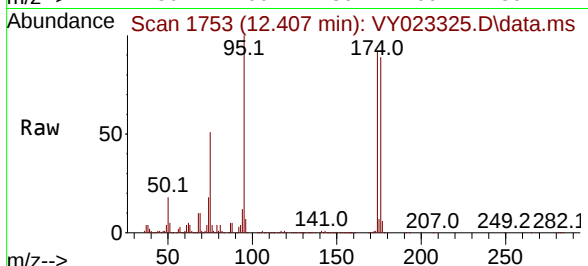
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.891 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023325.D
 Acq: 10 Sep 2025 11:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-090925



Tgt Ion: 75 Resp: 202201
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

