

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022298.D
 Acq On : 16 May 2025 17:59
 Operator : SY/MD
 Sample : Q1984-19
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TB01-050725

Quant Time: May 21 16:44:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

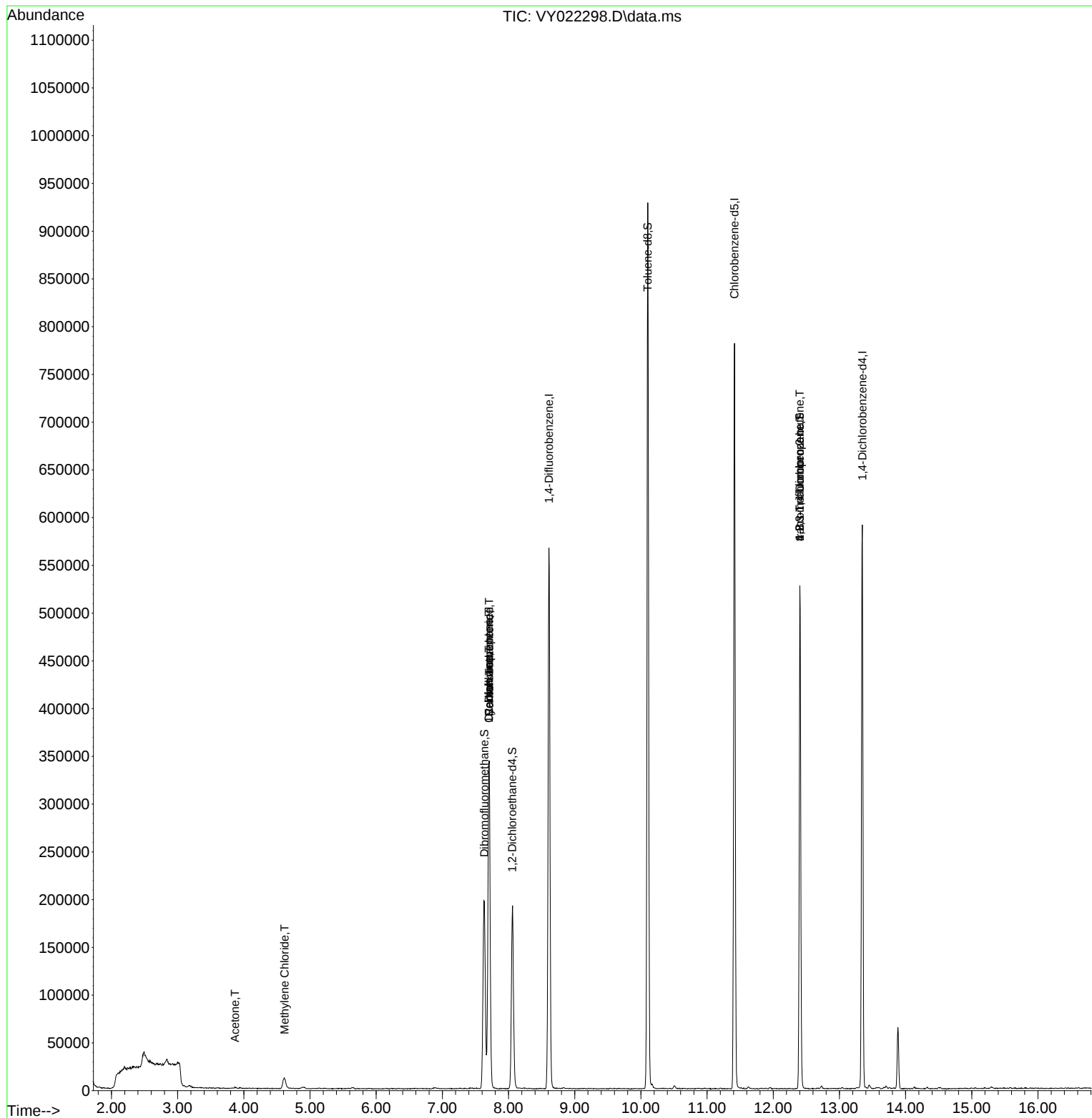
Internal Standards						
1) Pentafluorobenzene	7.707	168	261424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	469953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	375976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	137120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	139002	48.651	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.300%		
35) Dibromofluoromethane	7.634	113	139515	49.739	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.480%		
50) Toluene-d8	10.103	98	561856	48.909	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.820%		
62) 4-Bromofluorobenzene	12.402	95	145431	39.940	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.880%		
Target Compounds					Qvalue	
16) Acetone	3.867	43	1061	1.980	ug/l #	88
20) Methylene Chloride	4.616	84	7854	2.269	ug/l	87
31) Cyclohexane	7.701	56	7516	1.300	ug/l #	32
36) 1,1-Dichloropropene	7.701	75	23017	4.982	ug/l #	51
38) Carbon Tetrachloride	7.707	117	26474	5.536	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	85120	61.274	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	85120	124.126	ug/l #	12

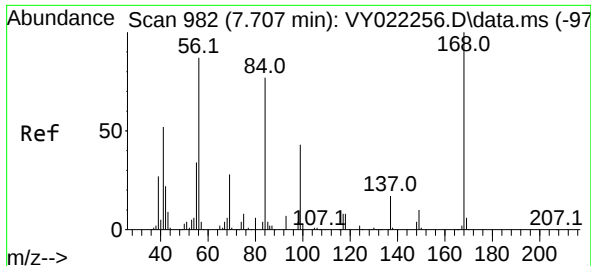
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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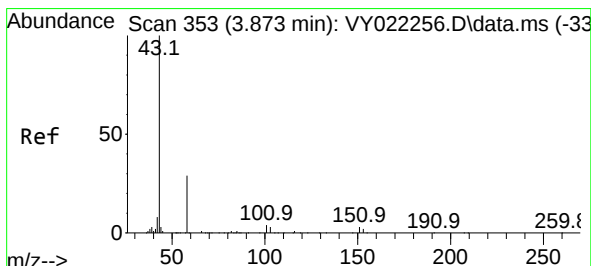
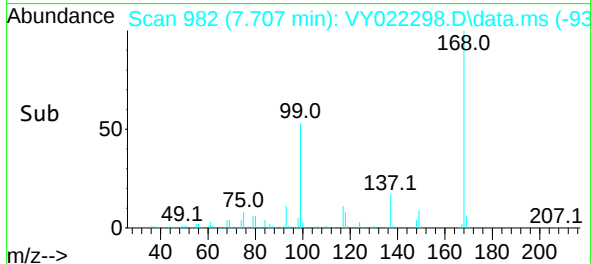
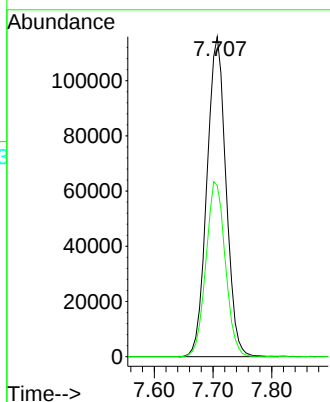
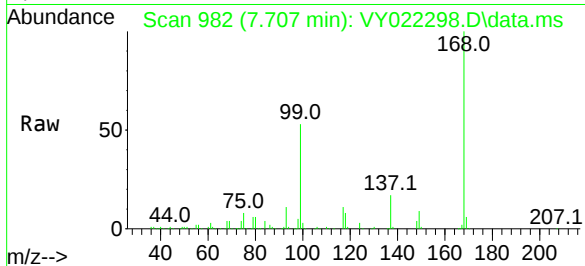




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

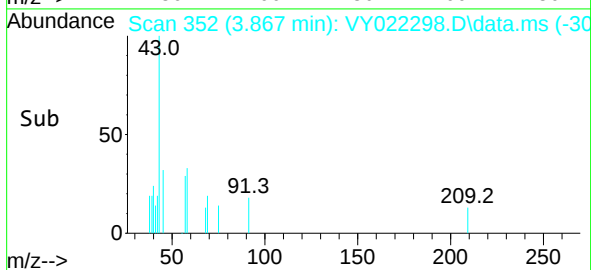
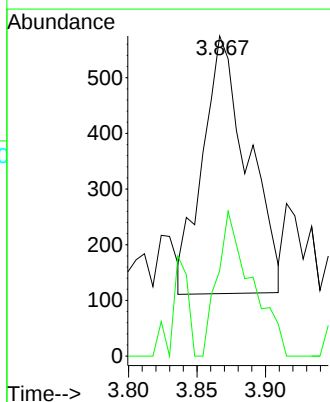
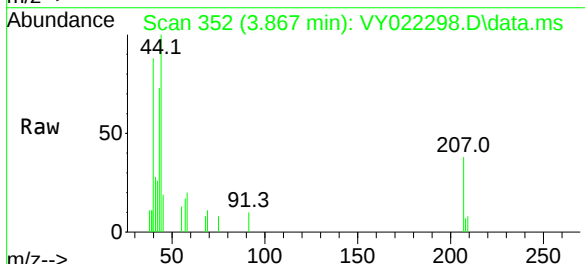
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TB01-050725

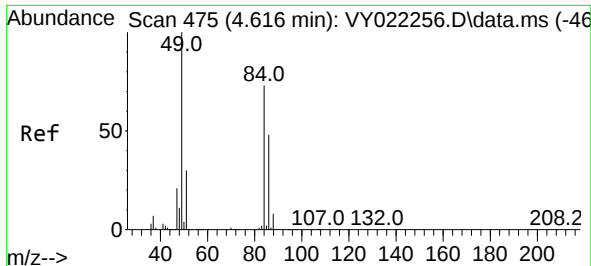
Tgt Ion:168 Resp: 261424
Ion Ratio Lower Upper
168 100
99 53.4 44.2 66.4



#16
Acetone
Concen: 1.980 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Tgt Ion: 43 Resp: 1061
Ion Ratio Lower Upper
43 100
58 23.1 23.6 35.4#

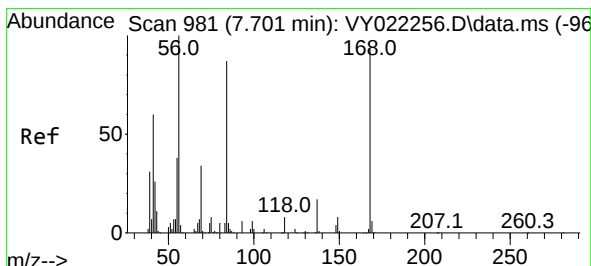
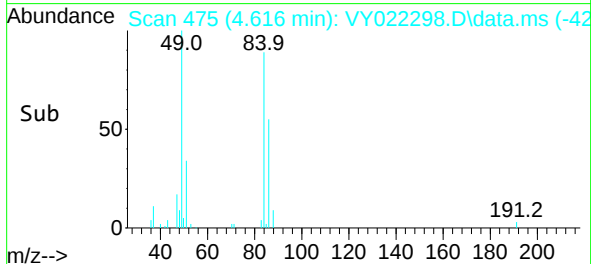
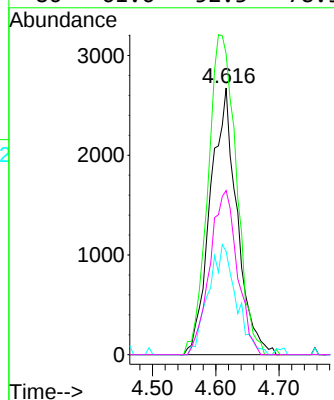
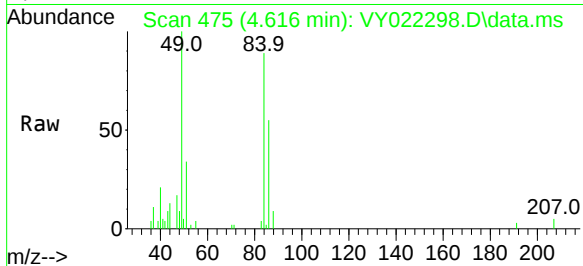




#20
Methylene Chloride
Concen: 2.269 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

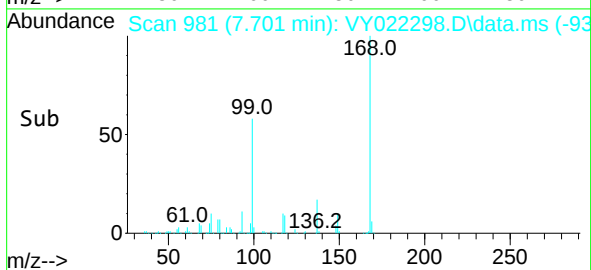
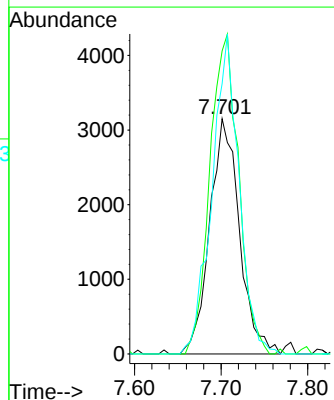
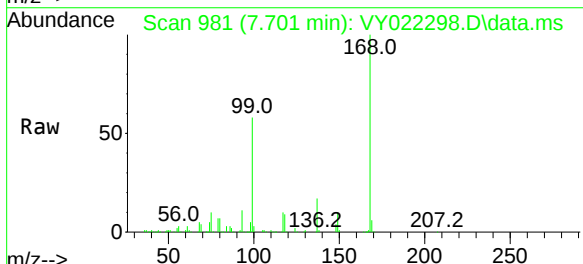
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TB01-050725

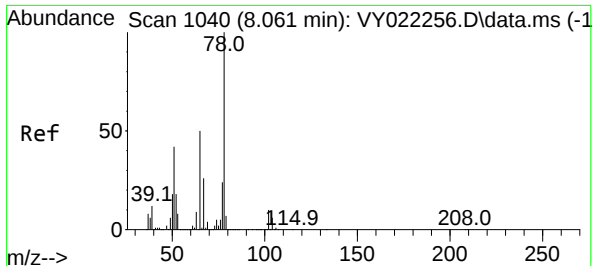
Tgt Ion:	84	Resp:	7854
Ion	Ratio	Lower	Upper
84	100		
49	112.8	109.6	164.4
51	38.7	32.4	48.6
86	61.6	52.3	78.5



#31
Cyclohexane
Concen: 1.300 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Tgt Ion:	56	Resp:	7516
Ion	Ratio	Lower	Upper
56	100		
69	128.9	27.4	41.2#
84	114.9	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 48.651 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022298.D

Acq: 16 May 2025 17:59

Instrument :

MSVOA_Y

ClientSampleId :

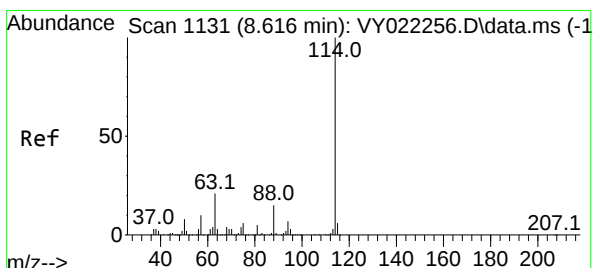
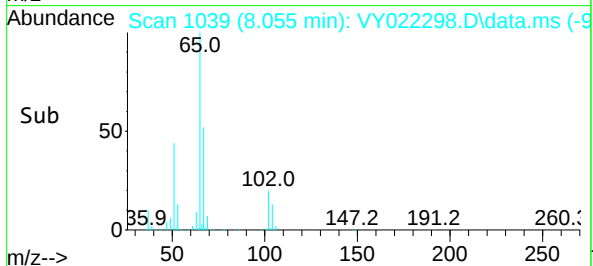
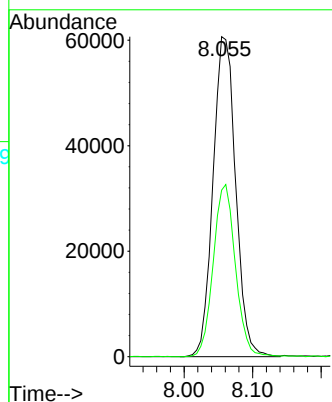
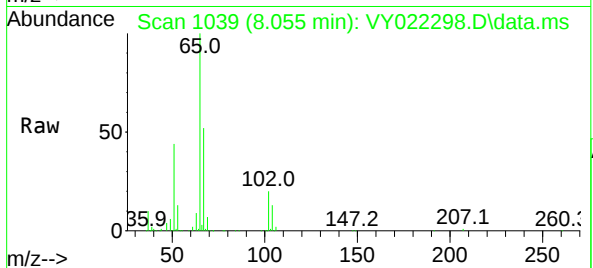
OU4-TB01-050725

Tgt Ion: 65 Resp: 139002

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022298.D

Acq: 16 May 2025 17:59

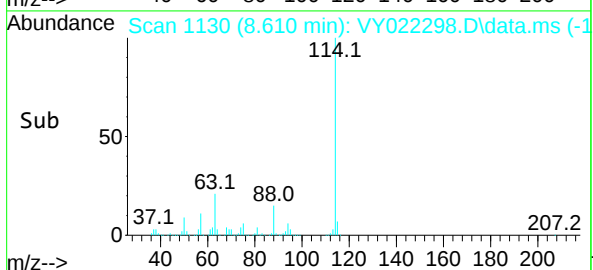
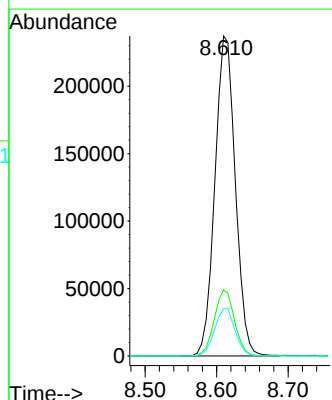
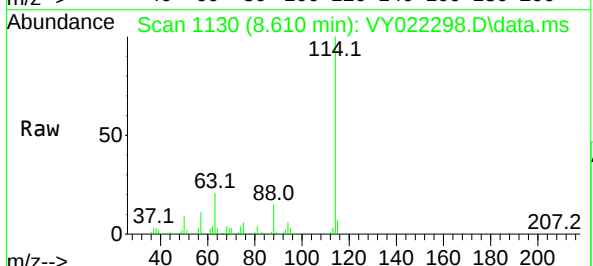
Tgt Ion: 114 Resp: 469953

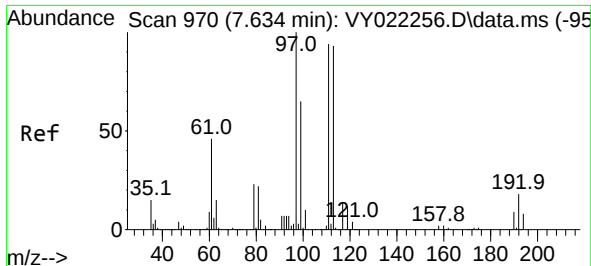
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.0

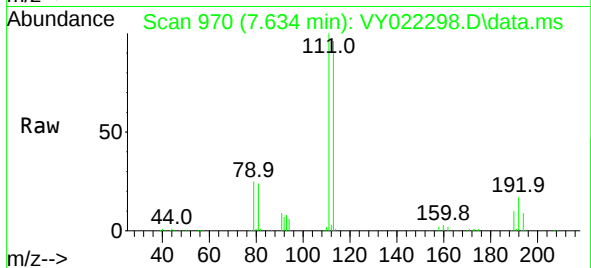
88 14.9 0.0 29.4



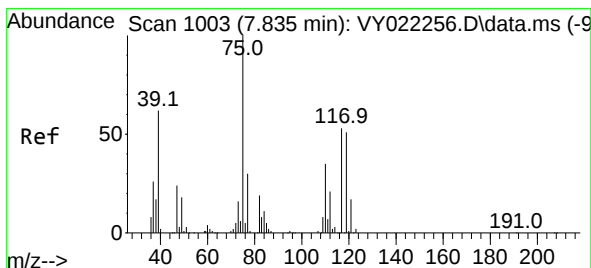
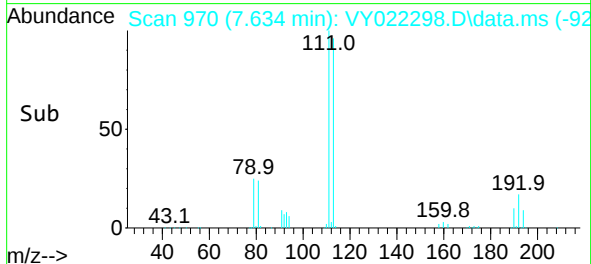
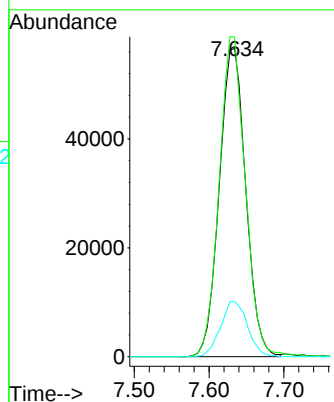


#35
Dibromofluoromethane
Concen: 49.739 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022298.D
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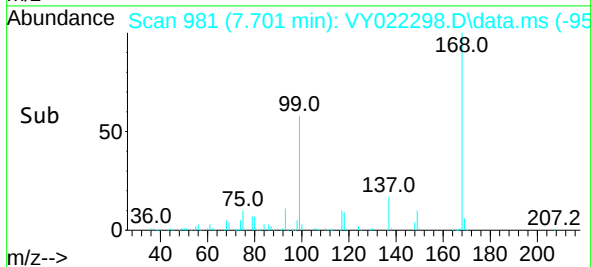
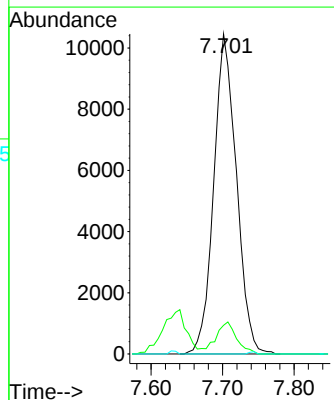
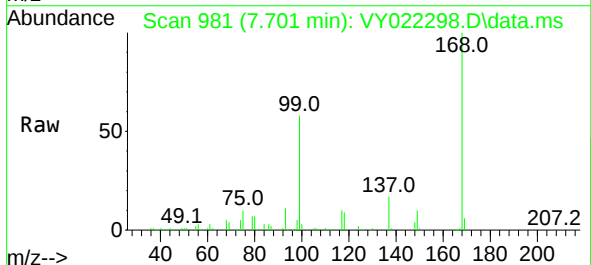


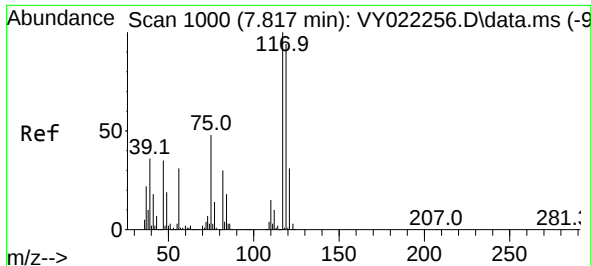
Tgt Ion:113 Resp: 139515
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 18.2 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.982 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

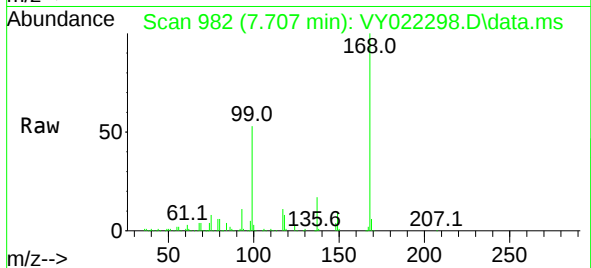
Tgt Ion: 75 Resp: 23017
Ion Ratio Lower Upper
75 100
110 8.8 16.6 49.8#
77 0.0 24.6 37.0#



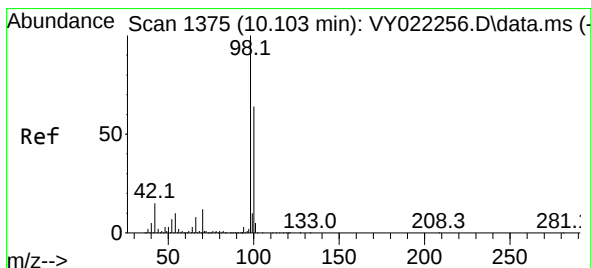
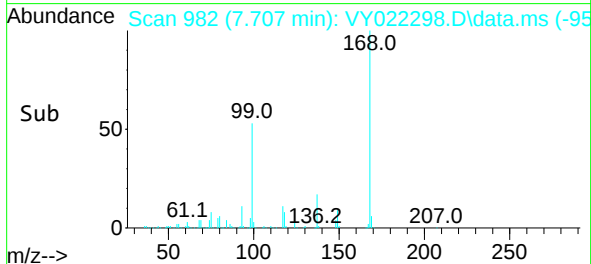
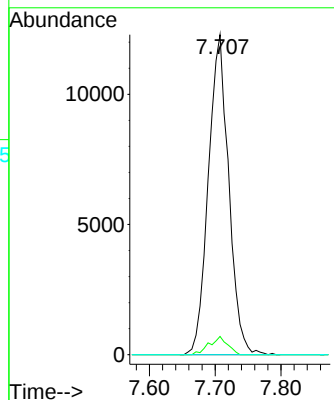


#38
Carbon Tetrachloride
Concen: 5.536 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TB01-050725

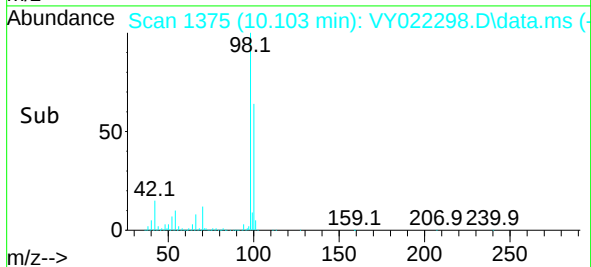
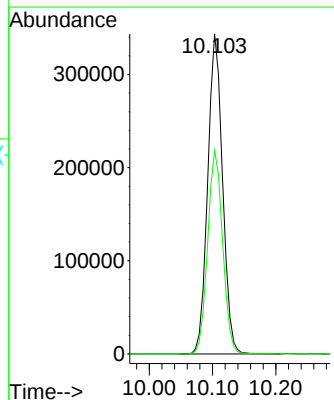
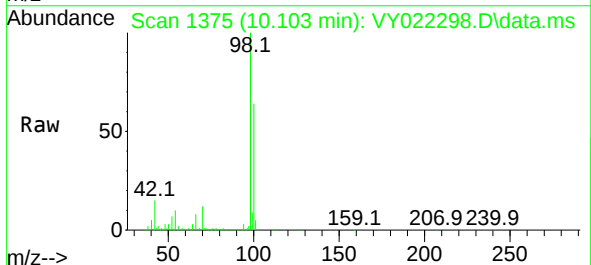


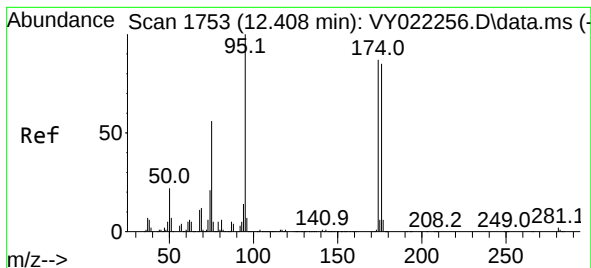
Tgt Ion:117 Resp: 26474
Ion Ratio Lower Upper
117 100
119 5.7 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.909 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Tgt Ion: 98 Resp: 561856
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8

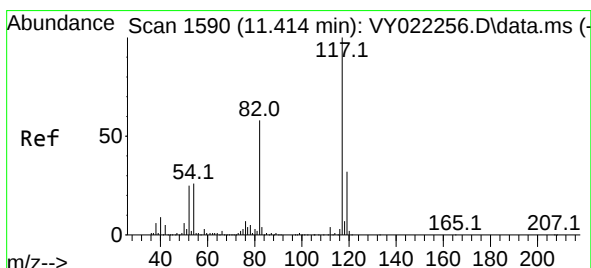
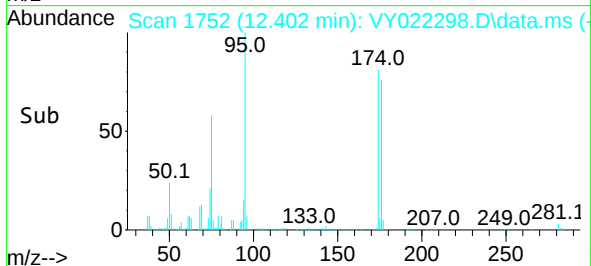
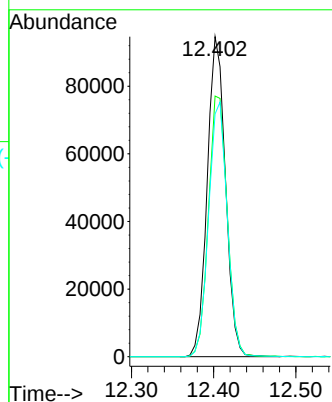
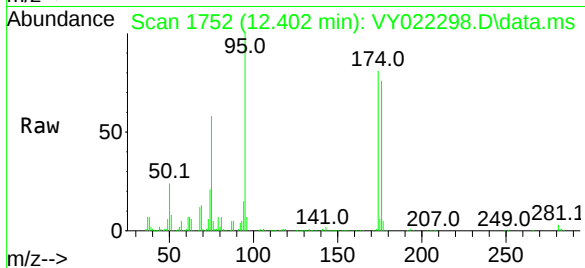




#62
4-Bromofluorobenzene
Concen: 39.940 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

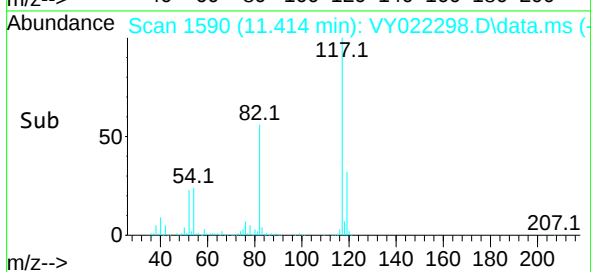
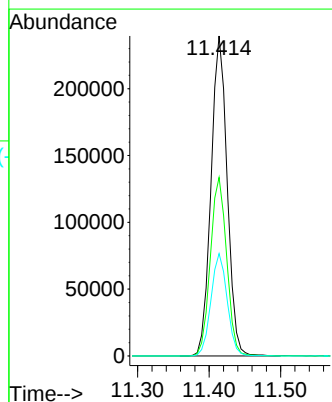
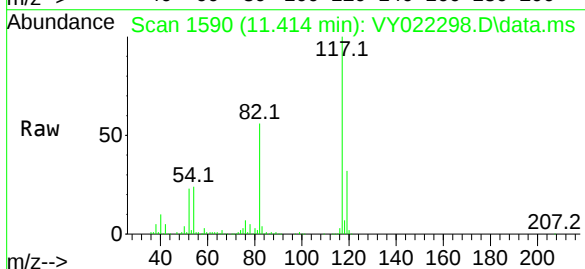
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TB01-050725

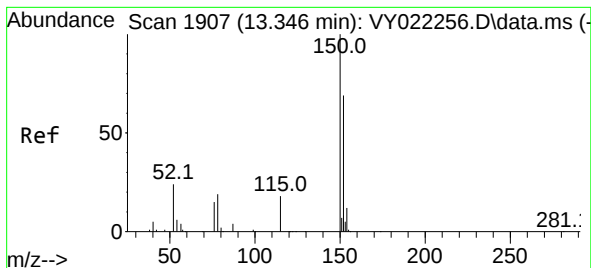
Tgt Ion: 95 Resp: 145431
Ion Ratio Lower Upper
95 100
174 84.2 0.0 166.8
176 81.5 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Tgt Ion: 117 Resp: 375976
Ion Ratio Lower Upper
117 100
82 55.8 46.6 70.0
119 32.0 25.8 38.6

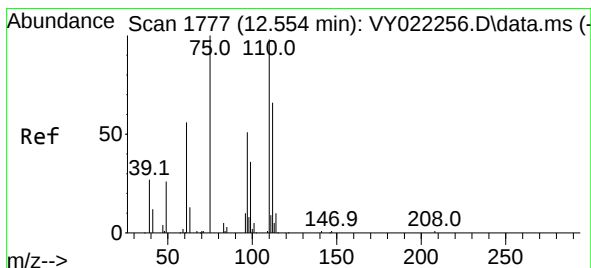
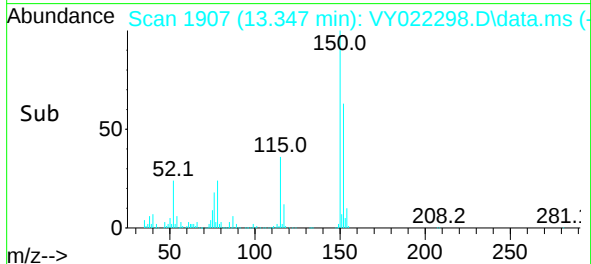
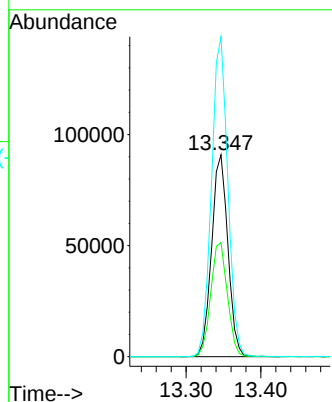
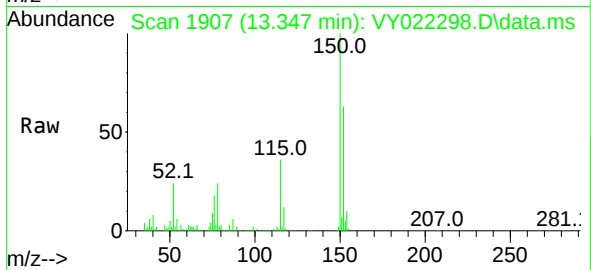




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

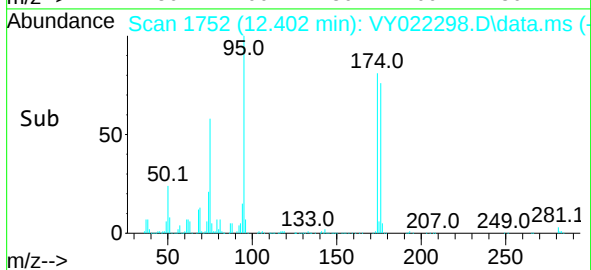
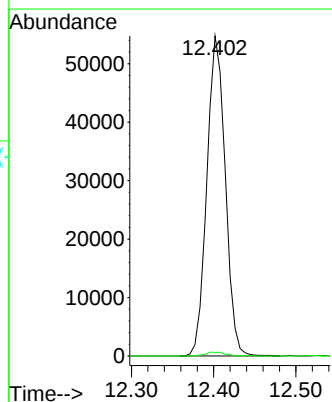
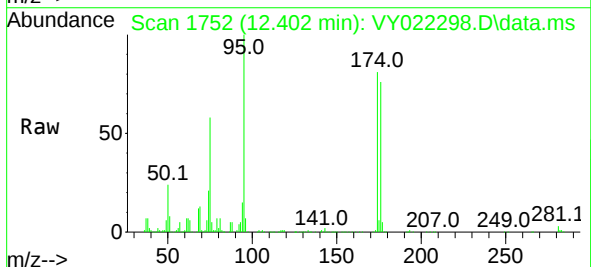
Instrument :
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OU4-TB01-050725

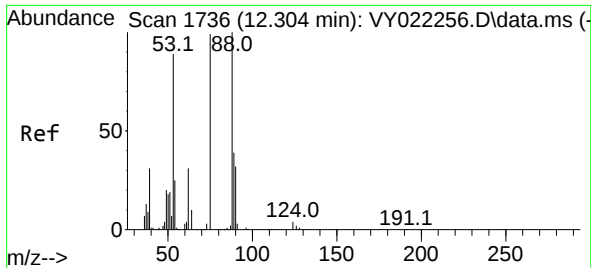
Tgt Ion:152 Resp: 137120
Ion Ratio Lower Upper
152 100
115 57.9 29.4 88.2
150 158.8 0.0 353.8



#76
1,2,3-Trichloropropane
Concen: 61.274 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

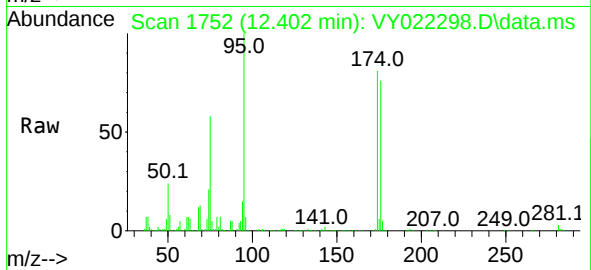
Tgt Ion: 75 Resp: 85120
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.126 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022298.D
 Acq: 16 May 2025 17:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TB01-050725



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.8	113.8#
89	0.0	36.2	54.2#

