

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022391.D
 Acq On : 22 May 2025 13:22
 Operator : SY/MD
 Sample : Q2074-03
 Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-15

Quant Time: May 23 03:37:00 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)

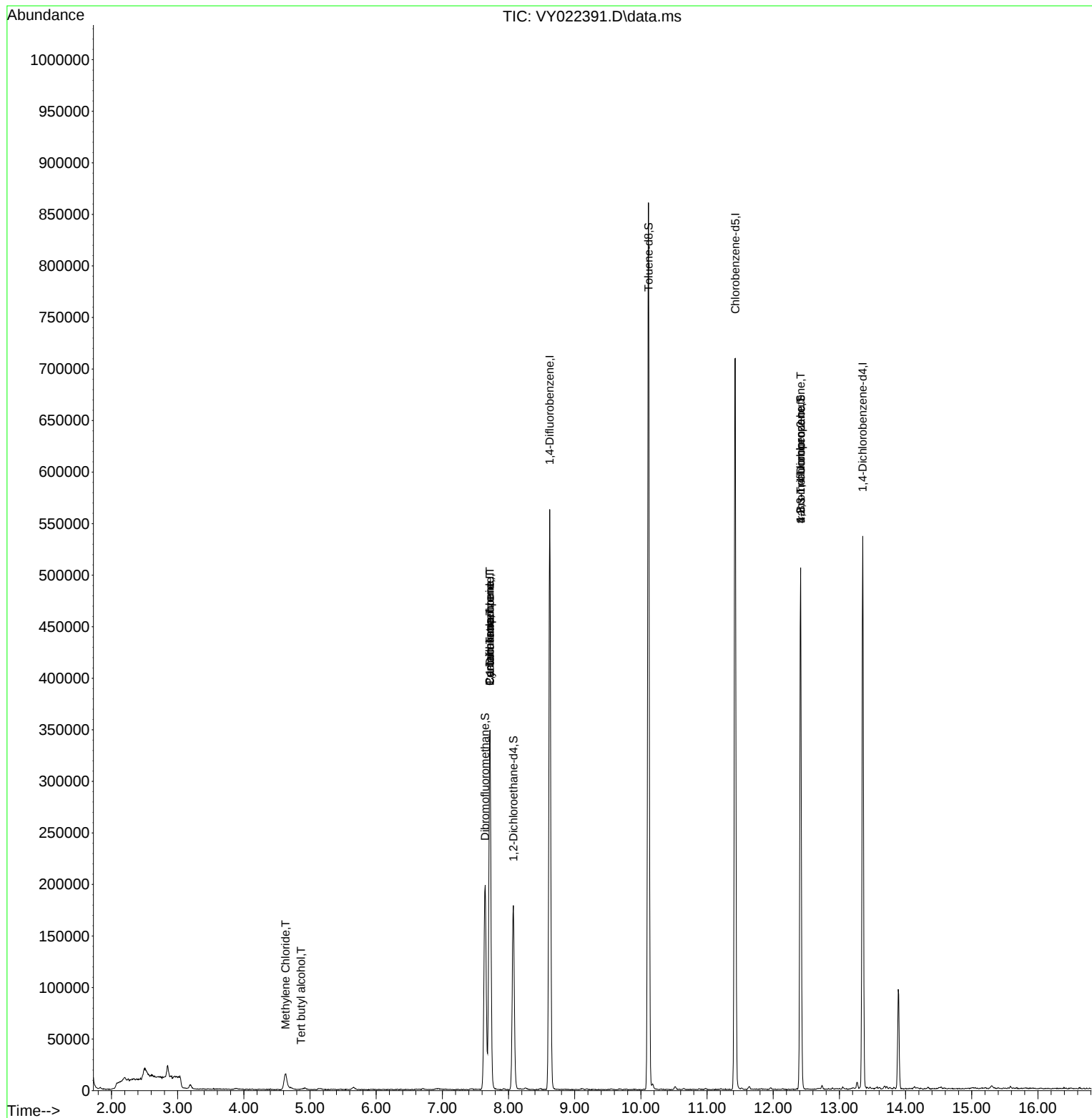
Internal Standards						
1) Pentafluorobenzene	7.720	168	266999	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	463257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	360854	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	125655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	132004	45.237	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.480%		
35) Dibromofluoromethane	7.646	113	136878	49.504	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.000%		
50) Toluene-d8	10.115	98	545447	48.166	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.340%		
62) 4-Bromofluorobenzene	12.414	95	133077	37.075	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	74.160%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.866	59	640	2.872	ug/l #	100
20) Methylene Chloride	4.629	84	10342	2.925	ug/l	86
31) Cyclohexane	7.720	56	7169	1.214	ug/l #	14
36) 1,1-Dichloropropene	7.720	75	22900	5.028	ug/l #	50
38) Carbon Tetrachloride	7.720	117	26791	5.683	ug/l #	15
76) 1,2,3-Trichloropropane	12.414	75	77668	61.011	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	77668	123.593	ug/l #	12

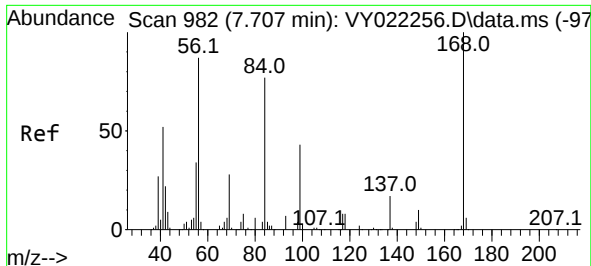
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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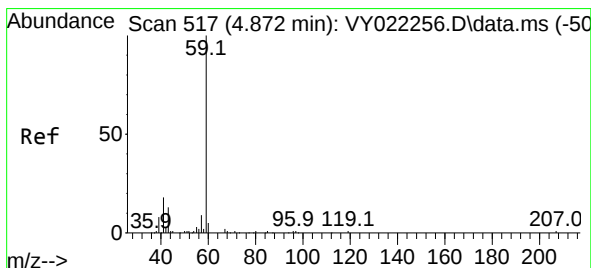
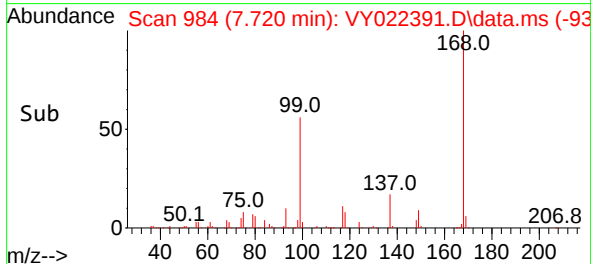
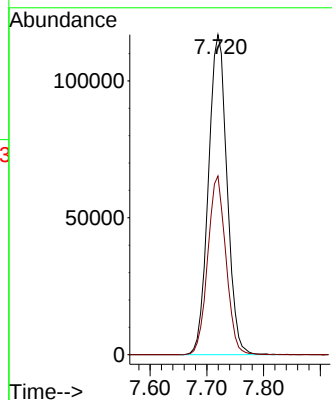
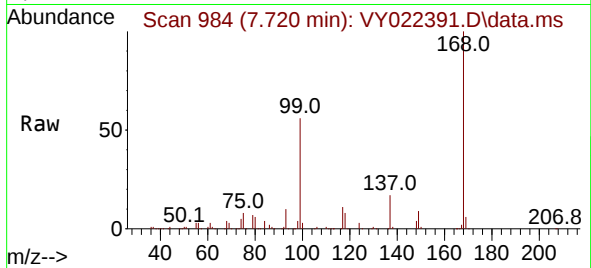




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY022391.D
Acq: 22 May 2025 13:22

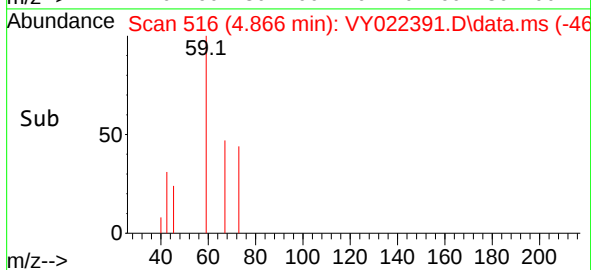
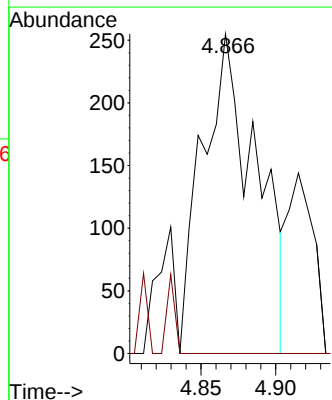
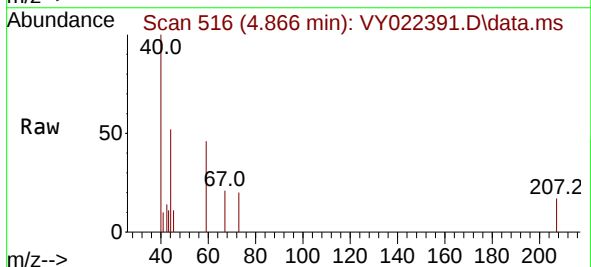
Instrument :
MSVOA_Y
ClientSampleId :
TP-15

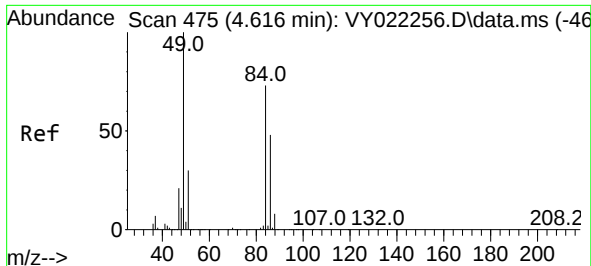
Tgt Ion:168 Resp: 266999
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#11
Tert butyl alcohol
Concen: 2.872 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY022391.D
Acq: 22 May 2025 13:22

Tgt Ion: 59 Resp: 640
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

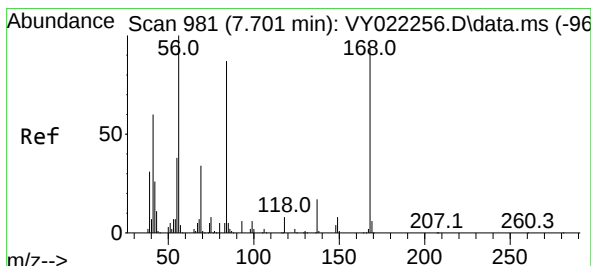
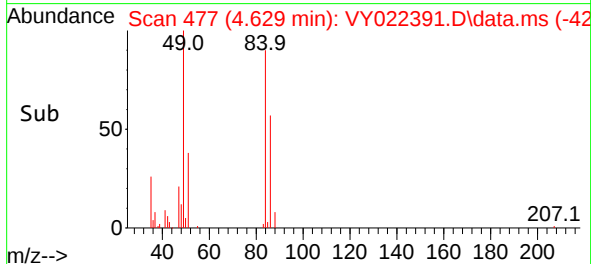
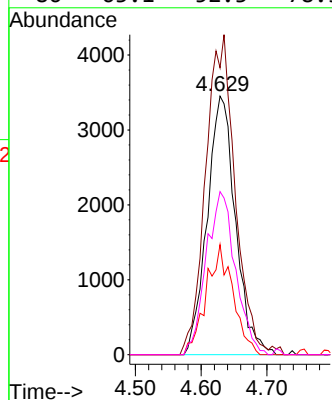
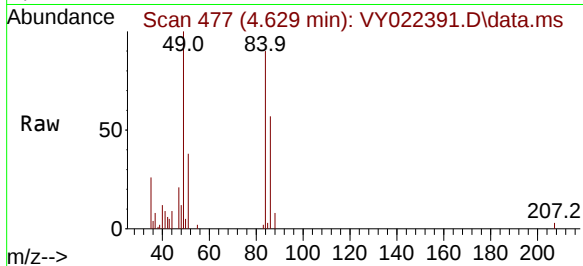




#20
Methylene Chloride
Concen: 2.925 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY022391.D
Acq: 22 May 2025 13:22

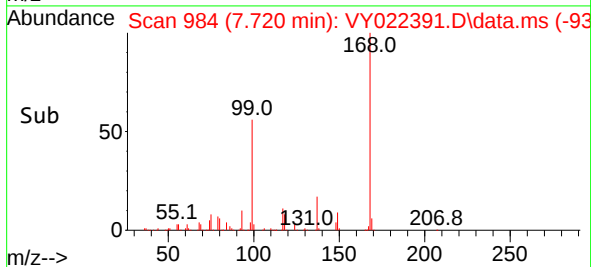
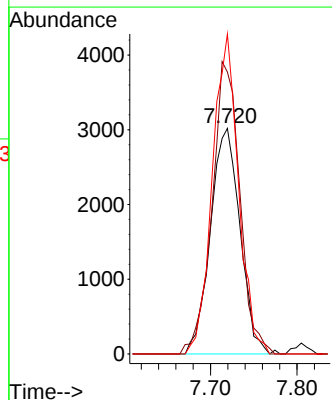
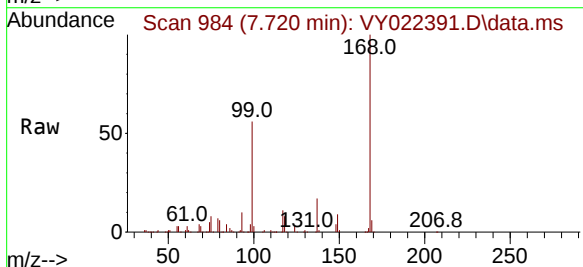
Instrument :
MSVOA_Y
ClientSampleId :
TP-15

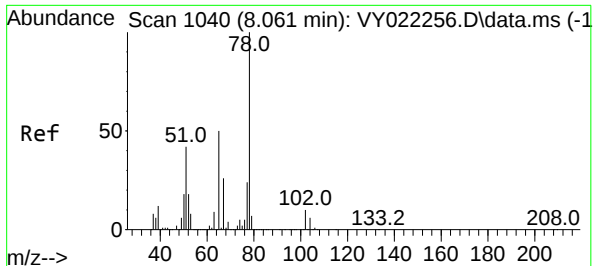
Tgt Ion:	84	Resp:	10342
Ion	Ratio	Lower	Upper
84	100		
49	111.0	109.6	164.4
51	42.6	32.4	48.6
86	63.1	52.3	78.5



#31
Cyclohexane
Concen: 1.214 ug/l
RT: 7.720 min Scan# 984
Delta R.T. 0.018 min
Lab File: VY022391.D
Acq: 22 May 2025 13:22

Tgt Ion:	56	Resp:	7169
Ion	Ratio	Lower	Upper
56	100		
69	125.0	27.4	41.2#
84	141.8	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 45.237 ug/l

RT: 8.073 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY022391.D

Acq: 22 May 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

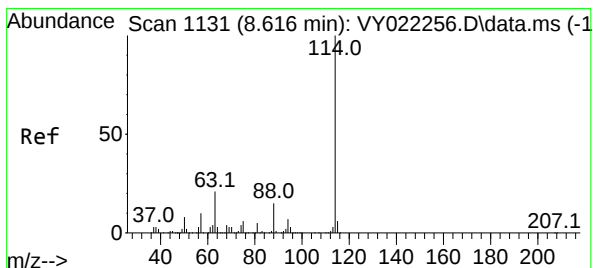
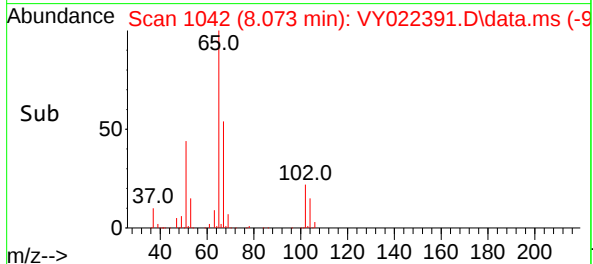
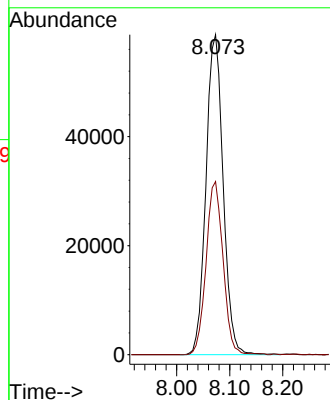
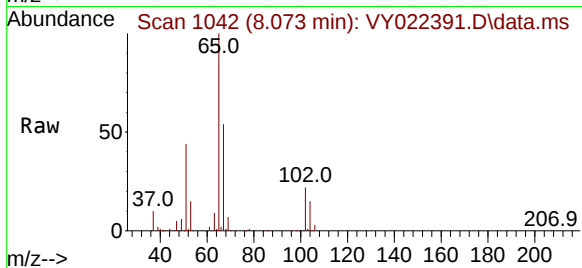
TP-15

Tgt Ion: 65 Resp: 132004

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022391.D

Acq: 22 May 2025 13:22

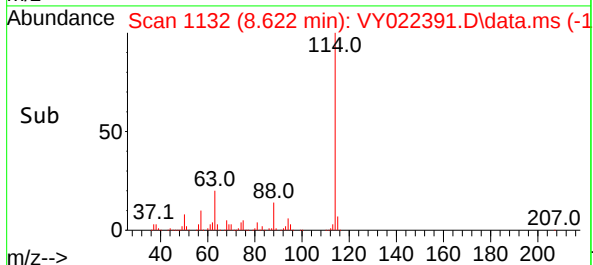
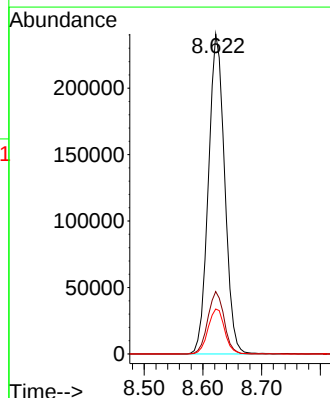
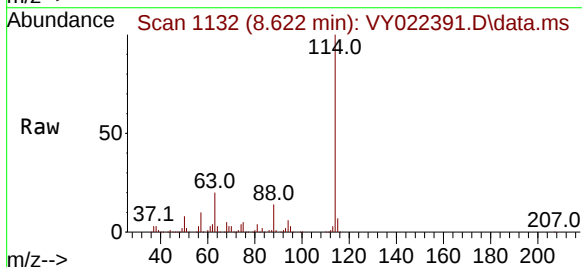
Tgt Ion: 114 Resp: 463257

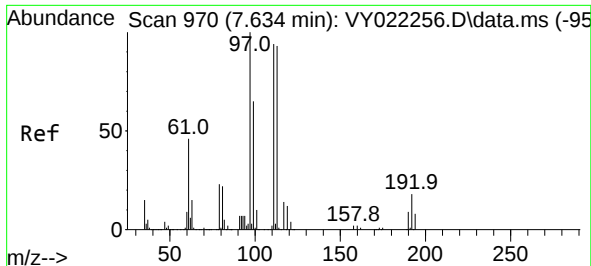
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.0

88 14.0 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.504 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY022391.D

Acq: 22 May 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-15

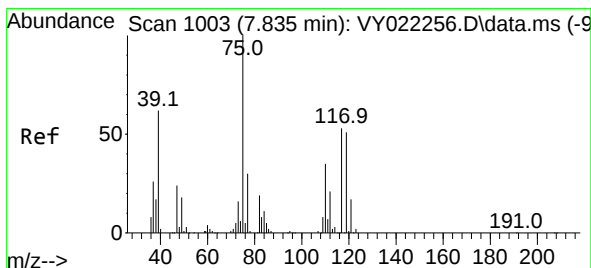
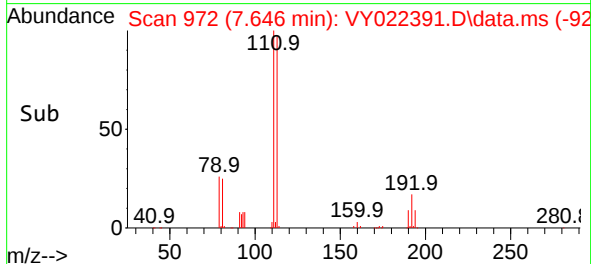
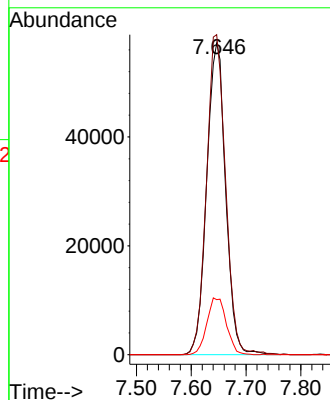
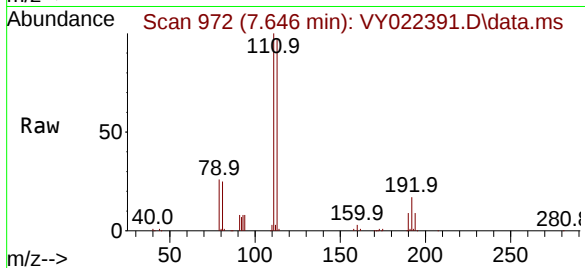
Tgt Ion:113 Resp: 136878

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 18.8 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.028 ug/l

RT: 7.720 min Scan# 984

Delta R.T. -0.116 min

Lab File: VY022391.D

Acq: 22 May 2025 13:22

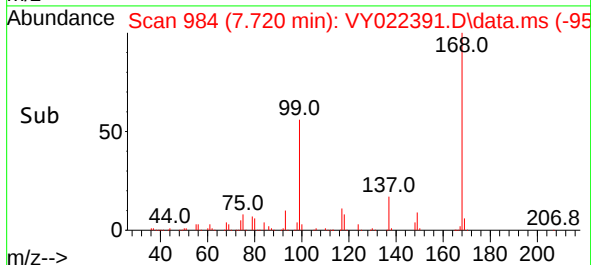
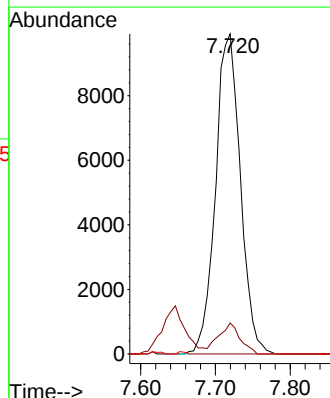
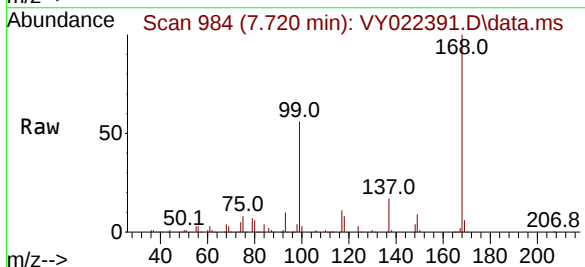
Tgt Ion: 75 Resp: 22900

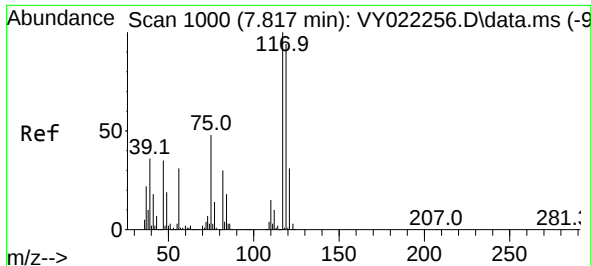
Ion Ratio Lower Upper

75 100

110 8.3 16.6 49.8#

77 0.0 24.6 37.0#

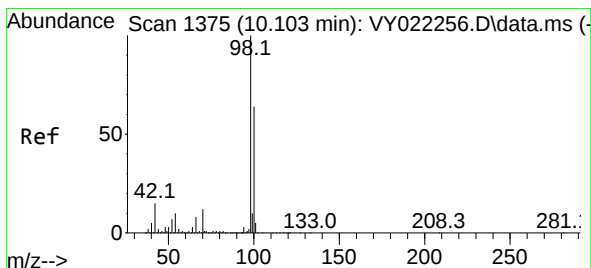
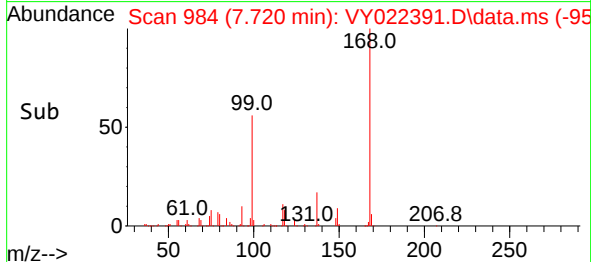
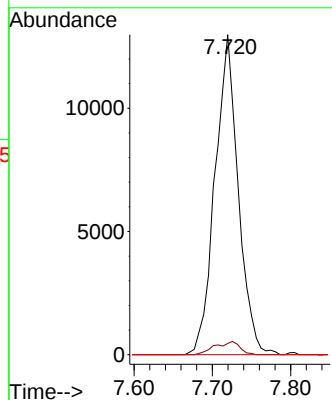
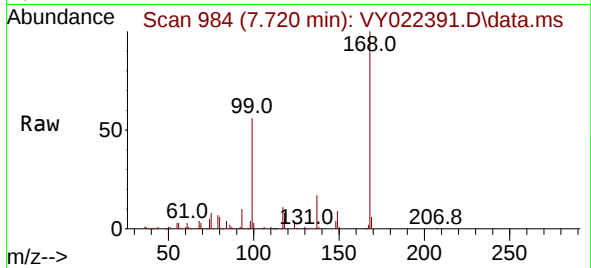




#38
Carbon Tetrachloride
Concen: 5.683 ug/l
RT: 7.720 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY022391.D
Acq: 22 May 2025 13:22

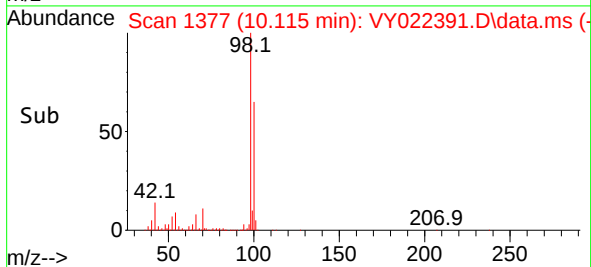
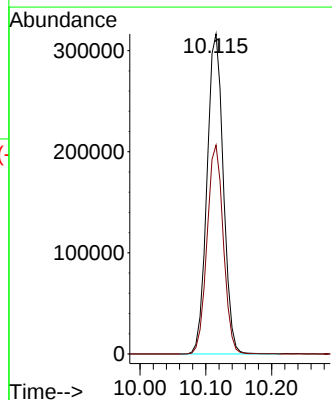
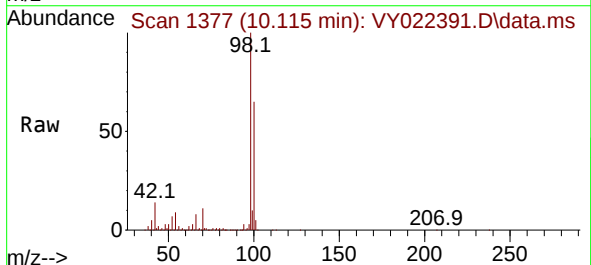
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ClientSampleId :
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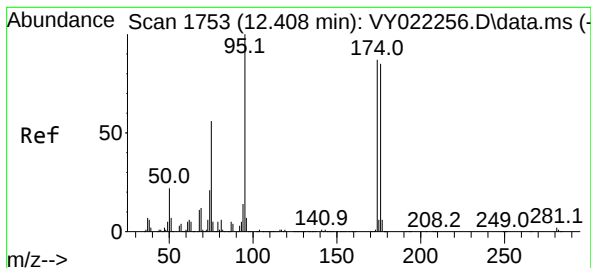
Tgt Ion:117 Resp: 26791
Ion Ratio Lower Upper
117 100
119 3.5 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.166 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022391.D
Acq: 22 May 2025 13:22

Tgt Ion: 98 Resp: 545447
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8

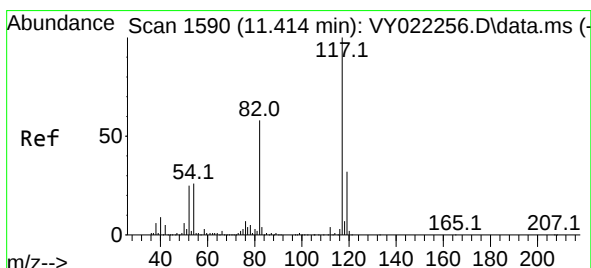
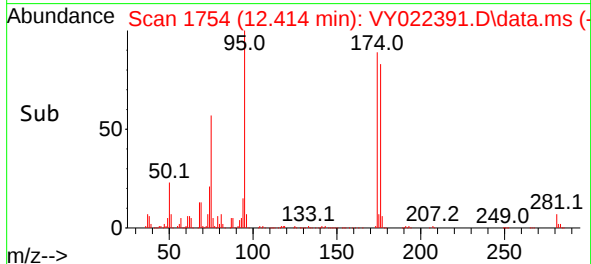
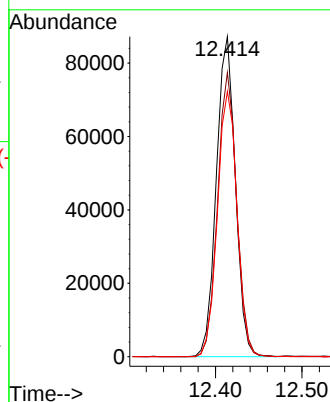
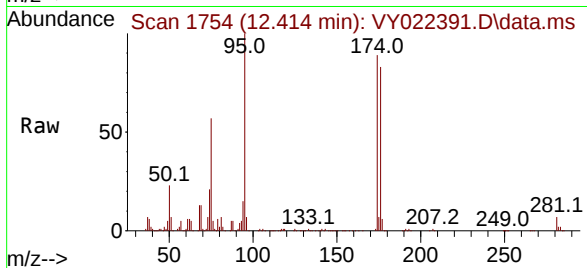




#62
4-Bromofluorobenzene
Concen: 37.075 ug/l
RT: 12.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022391.D
Acq: 22 May 2025 13:22

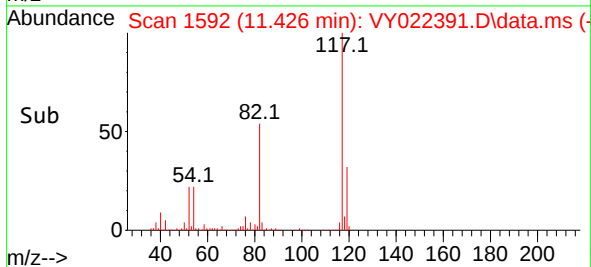
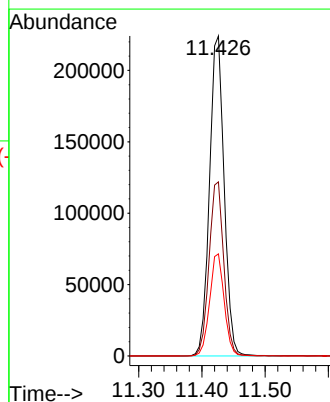
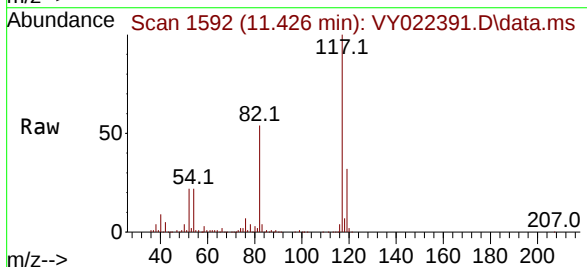
Instrument :
MSVOA_Y
ClientSampleId :
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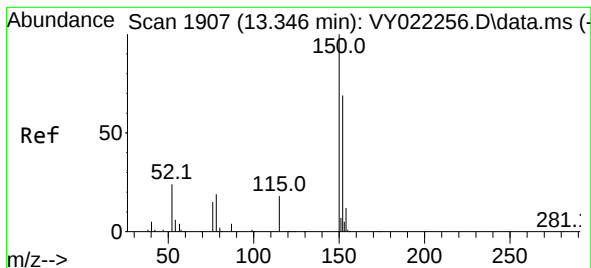
Tgt Ion: 95 Resp: 133077
Ion Ratio Lower Upper
95 100
174 89.2 0.0 166.8
176 85.3 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.012 min
Lab File: VY022391.D
Acq: 22 May 2025 13:22

Tgt Ion: 117 Resp: 360854
Ion Ratio Lower Upper
117 100
82 54.4 46.6 70.0
119 31.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY022391.D

Acq: 22 May 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-15

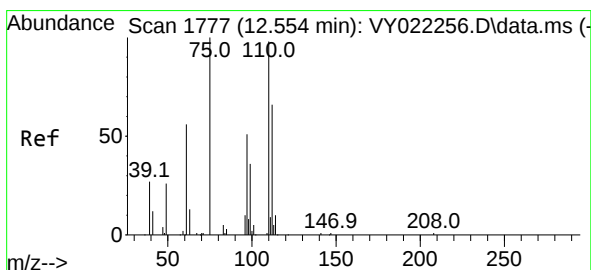
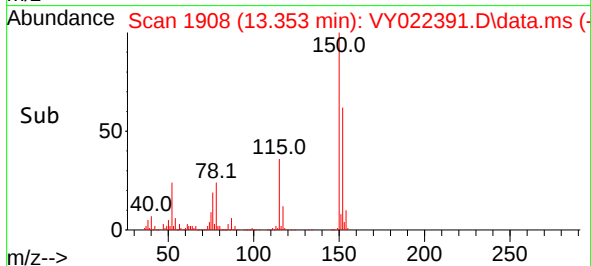
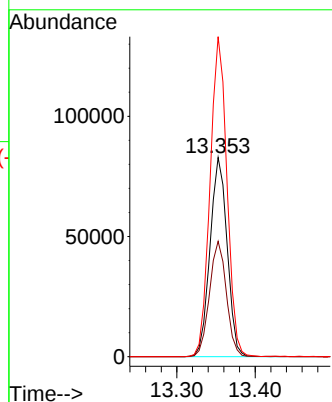
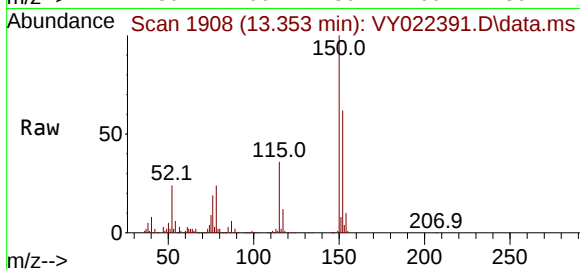
Tgt Ion:152 Resp: 125655

Ion Ratio Lower Upper

152 100

115 57.2 29.4 88.2

150 158.0 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 61.011 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.140 min

Lab File: VY022391.D

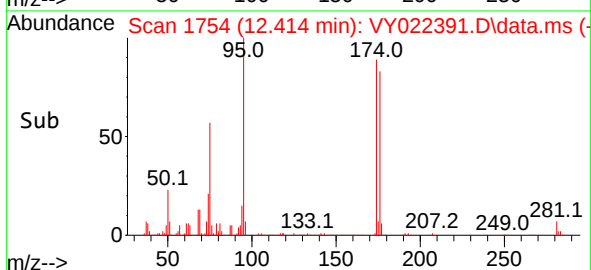
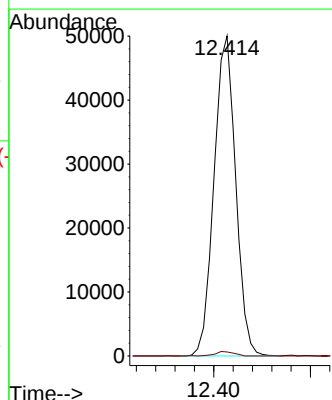
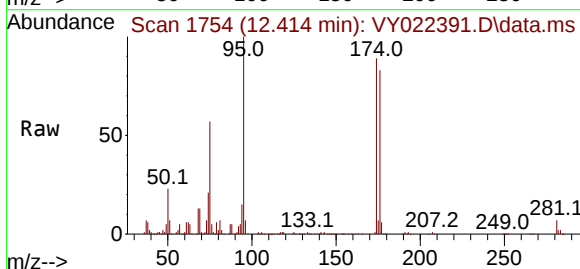
Acq: 22 May 2025 13:22

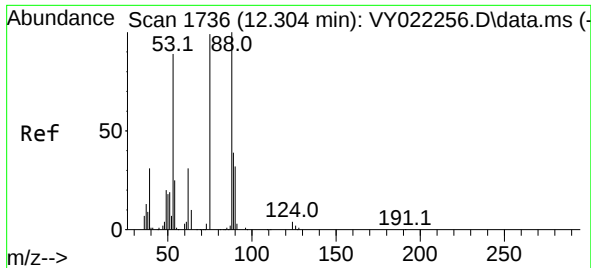
Tgt Ion: 75 Resp: 77668

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.593 ug/l
 RT: 12.414 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022391.D
 Acq: 22 May 2025 13:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-15

Tgt Ion: 75 Resp: 77668
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.1 36.2 54.2#

