

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022291.D
 Acq On : 16 May 2025 15:15
 Operator : SY/MD
 Sample : Q2010-03
 Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-14

Quant Time: May 17 01:34:31 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)

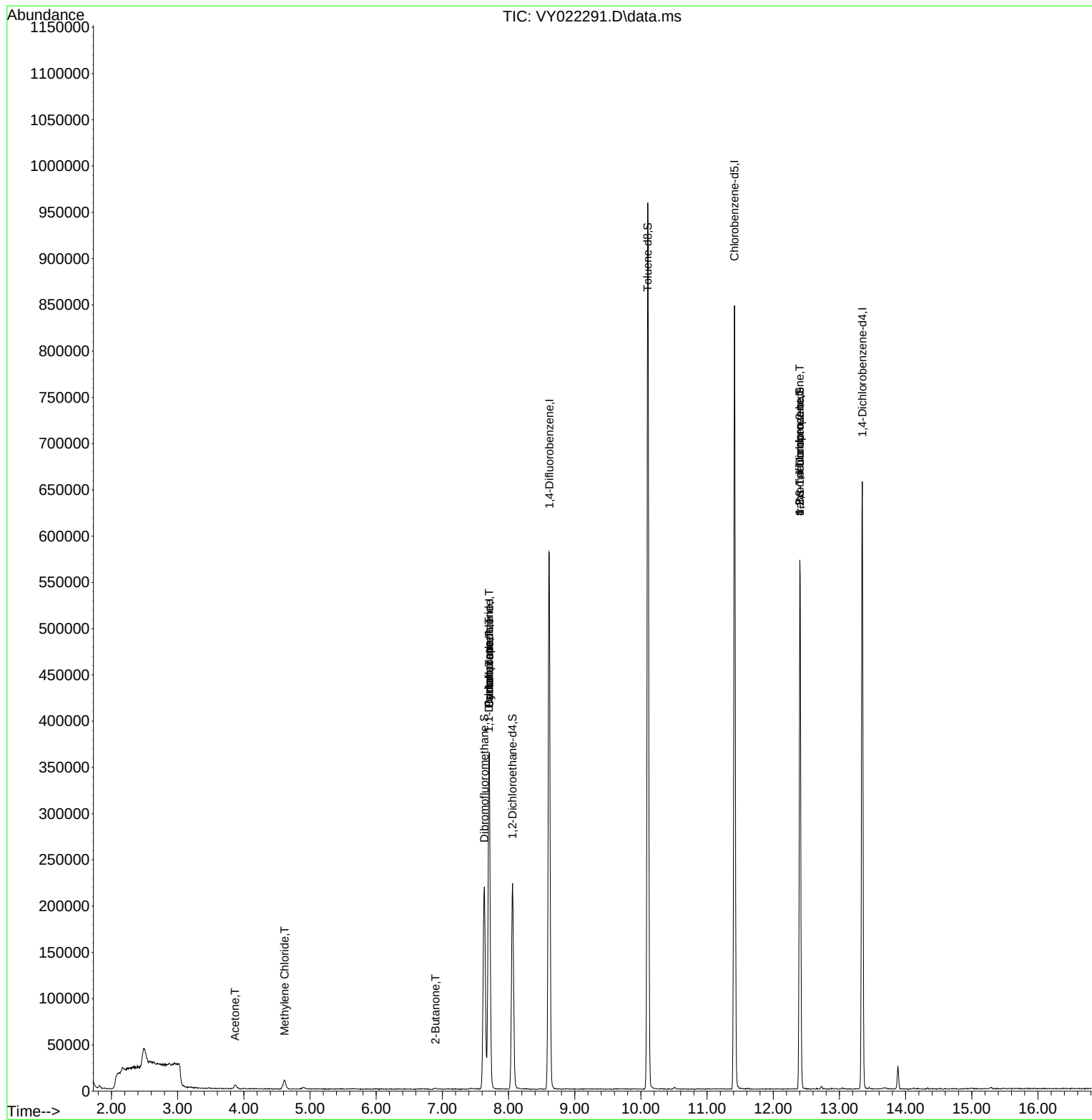
Internal Standards						
1) Pentafluorobenzene	7.707	168	268422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	485395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	403756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	155516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	164222	55.980	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.960%	
35) Dibromofluoromethane	7.634	113	151447	52.275	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.540%	
50) Toluene-d8	10.103	98	586282	49.411	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.820%	
62) 4-Bromofluorobenzene	12.402	95	161355	42.903	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.800%	
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	6913	12.567	ug/l	95
20) Methylene Chloride	4.616	84	6412	1.804	ug/l	85
25) 2-Butanone	6.896	43	1099	1.194	ug/l #	47
31) Cyclohexane	7.707	56	7314	1.232	ug/l #	20
36) 1,1-Dichloropropene	7.701	75	23217	4.865	ug/l #	51
38) Carbon Tetrachloride	7.707	117	27591	5.586	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	93241	59.180	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	93241	119.884	ug/l #	12

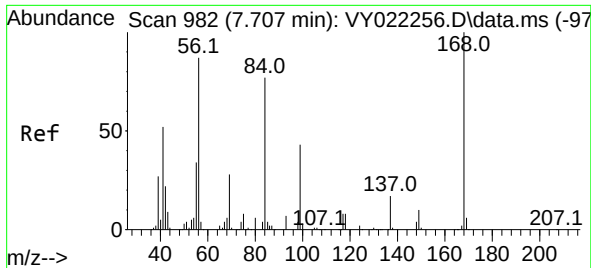
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

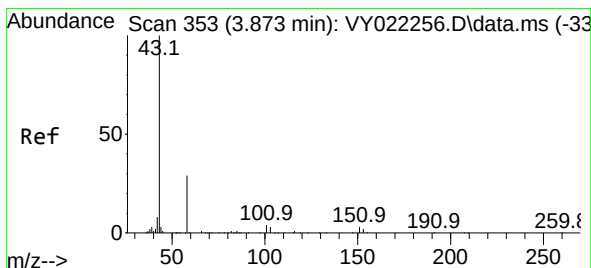
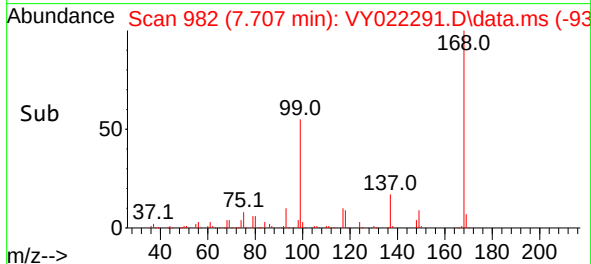
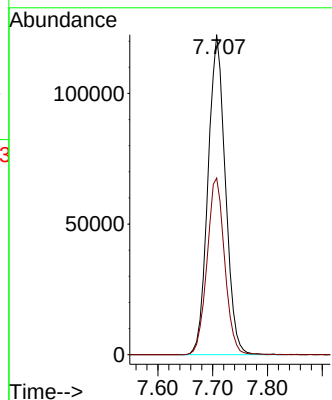
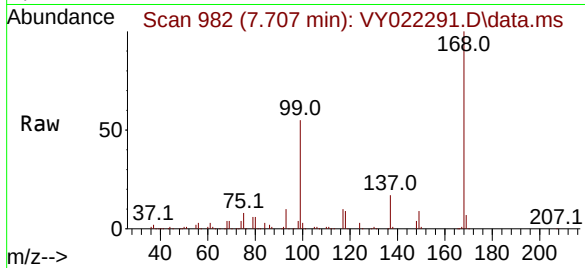




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

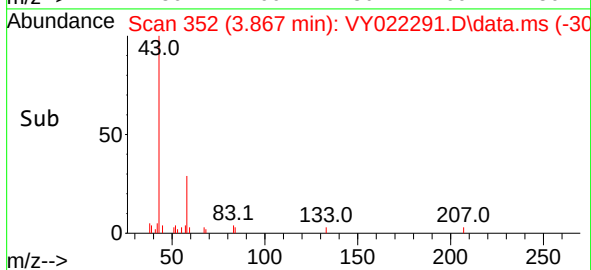
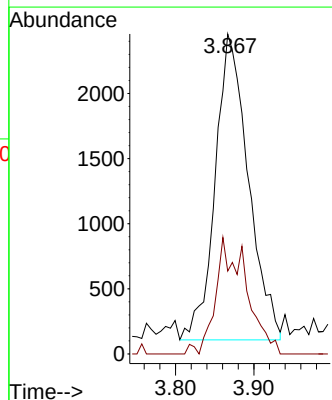
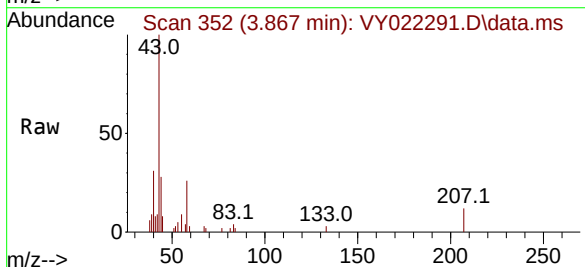
Instrument :
MSVOA_Y
ClientSampleId :
TP-14

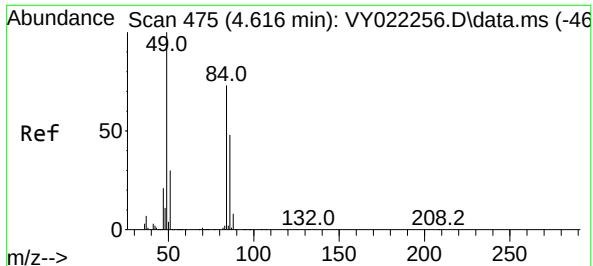
Tgt Ion:168 Resp: 268422
Ion Ratio Lower Upper
168 100
99 55.2 44.2 66.4



#16
Acetone
Concen: 12.567 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion: 43 Resp: 6913
Ion Ratio Lower Upper
43 100
58 27.1 23.6 35.4

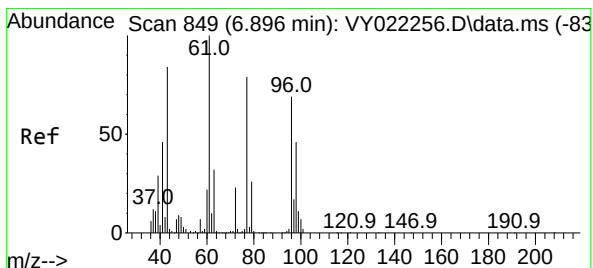
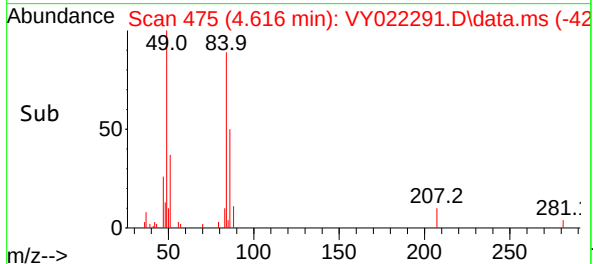
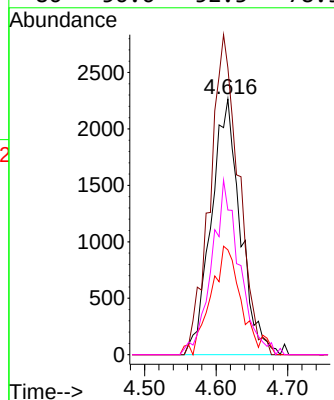
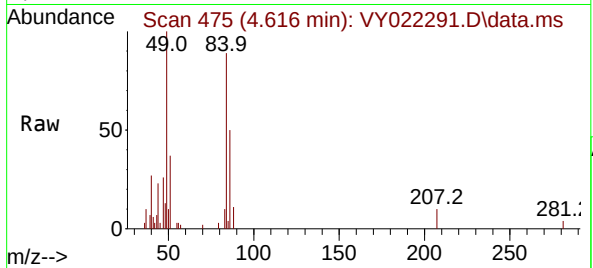




#20
Methylene Chloride
Concen: 1.804 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

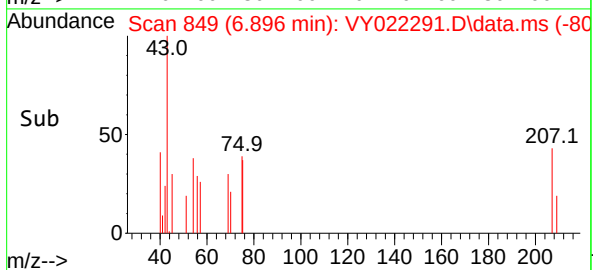
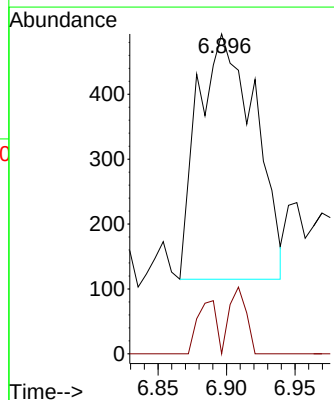
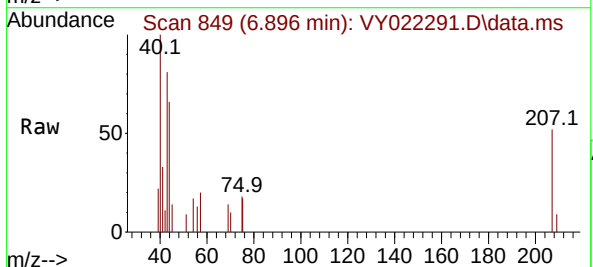
Instrument :
MSVOA_Y
ClientSampleId :
TP-14

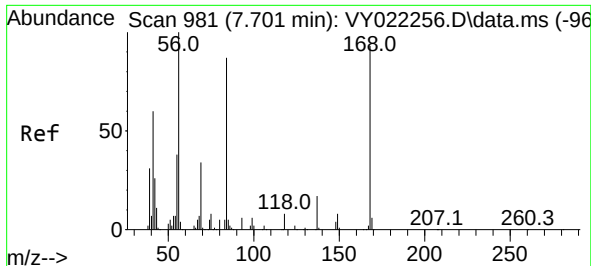
Tgt Ion: 84	Resp: 6412		
Ion	Ratio	Lower	Upper
84	100		
49	112.2	109.6	164.4
51	41.0	32.4	48.6
86	56.6	52.3	78.5



#25
2-Butanone
Concen: 1.194 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion: 43	Resp: 1099
Ion Ratio	Lower Upper
43 100	
72 0.0	22.1 33.1#

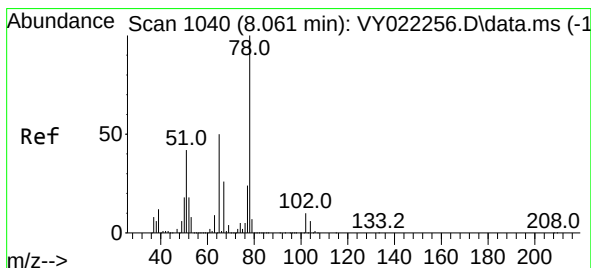
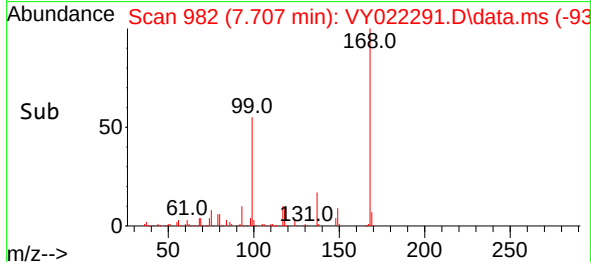
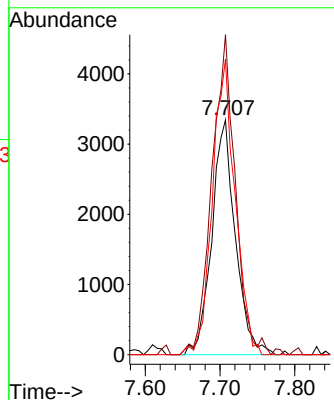
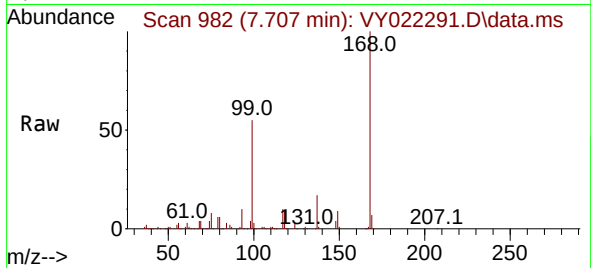




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

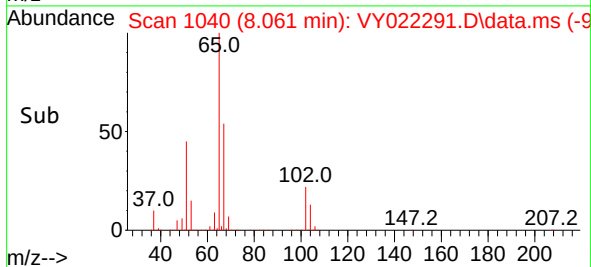
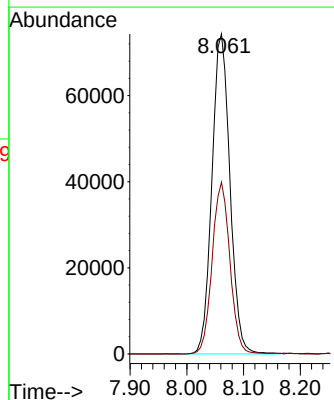
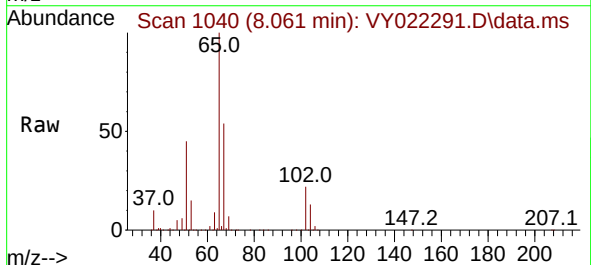
Instrument :
MSVOA_Y
ClientSampleId :
TP-14

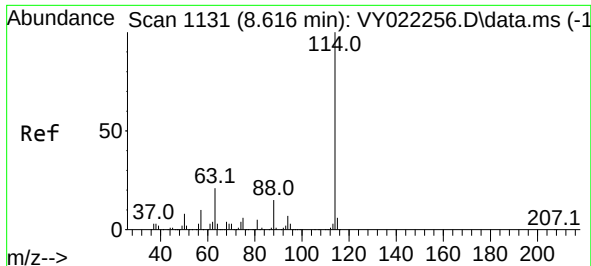
Tgt Ion: 56 Resp: 7314
Ion Ratio Lower Upper
56 100
69 136.3 27.4 41.2#
84 125.9 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 55.980 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion: 65 Resp: 164222
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.6

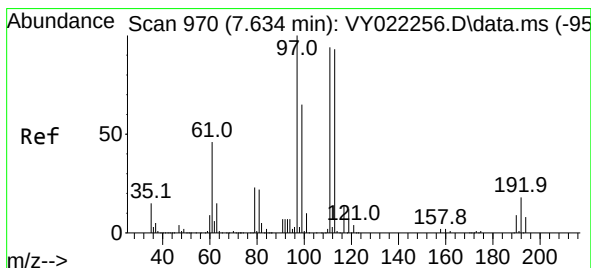
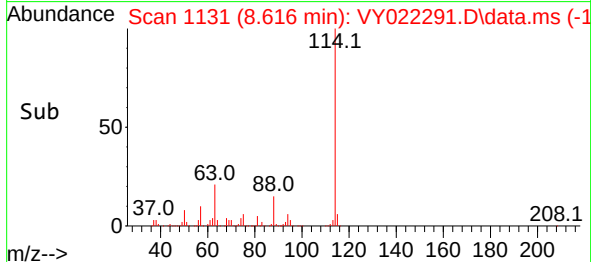
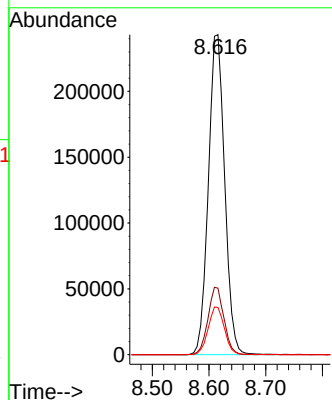
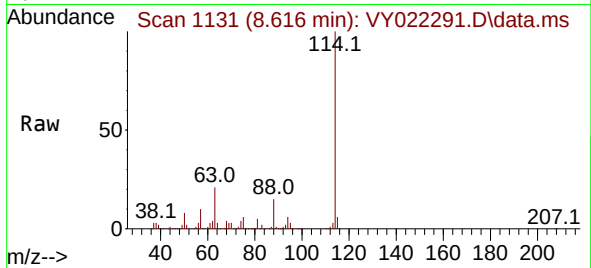




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY022291.D
 Acq: 16 May 2025 15:15

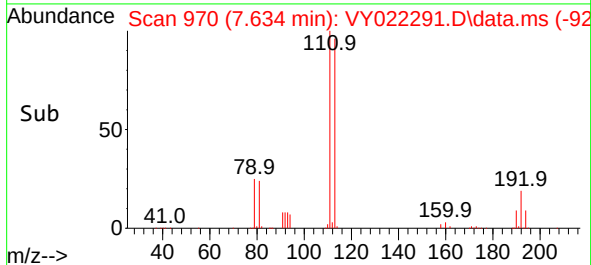
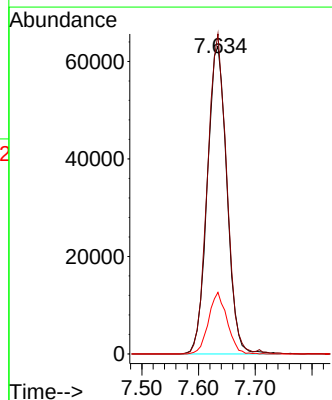
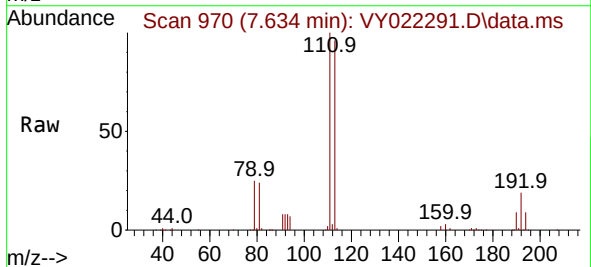
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-14

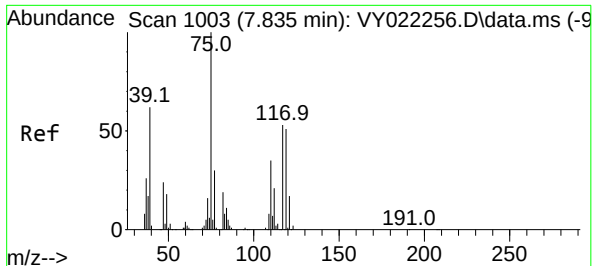
Tgt Ion:114 Resp: 485395
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.0
 88 14.7 0.0 29.4



#35
 Dibromofluoromethane
 Concen: 52.275 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VY022291.D
 Acq: 16 May 2025 15:15

Tgt Ion:113 Resp: 151447
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.6 123.8
 192 19.0 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.865 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY022291.D

Acq: 16 May 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

TP-14

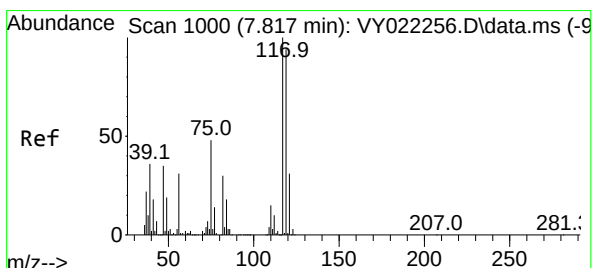
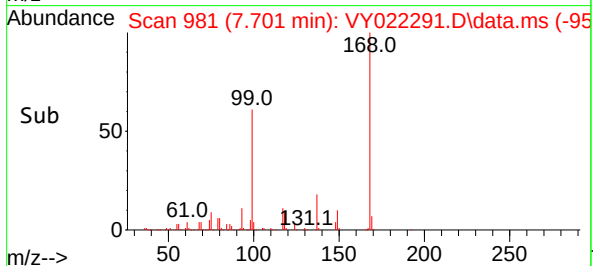
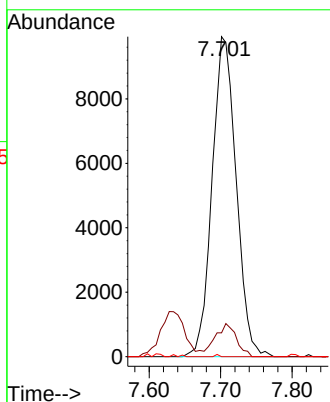
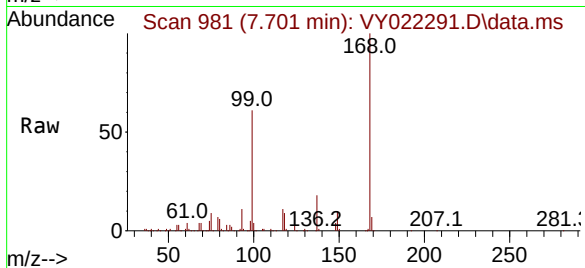
Tgt Ion: 75 Resp: 23217

Ion Ratio Lower Upper

75 100

110 9.0 16.6 49.8#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.586 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022291.D

Acq: 16 May 2025 15:15

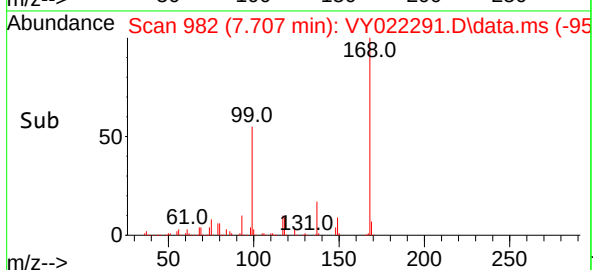
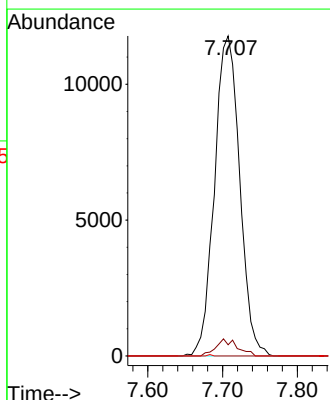
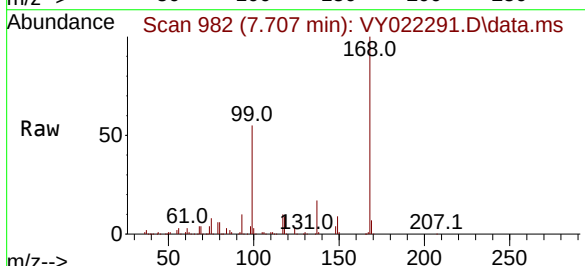
Tgt Ion: 117 Resp: 27591

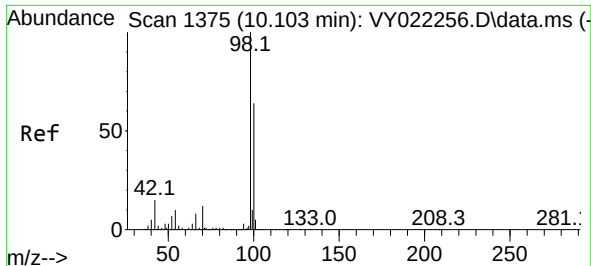
Ion Ratio Lower Upper

117 100

119 3.5 75.3 112.9#

121 0.0 24.7 37.1#

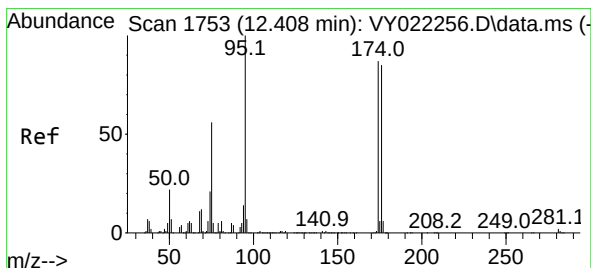
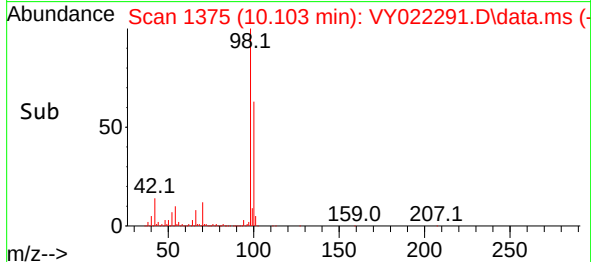
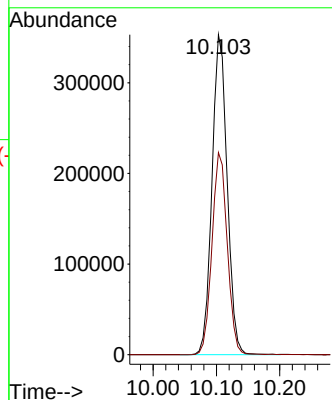
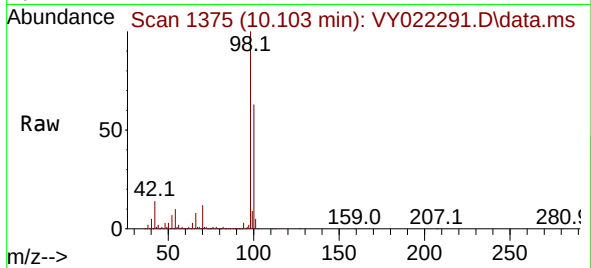




#50
Toluene-d8
Concen: 49.411 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

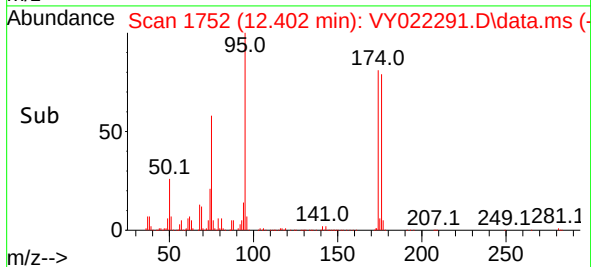
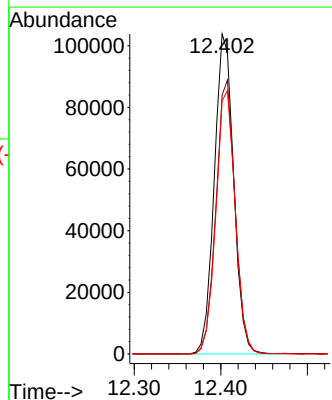
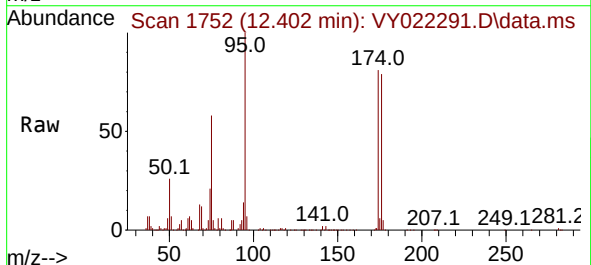
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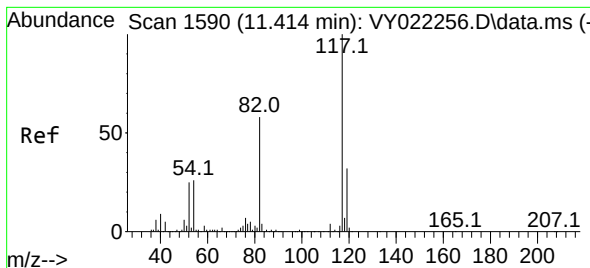
Tgt Ion: 98 Resp: 586282
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 42.903 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion: 95 Resp: 161355
Ion Ratio Lower Upper
95 100
174 84.6 0.0 166.8
176 82.4 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022291.D

Acq: 16 May 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

TP-14

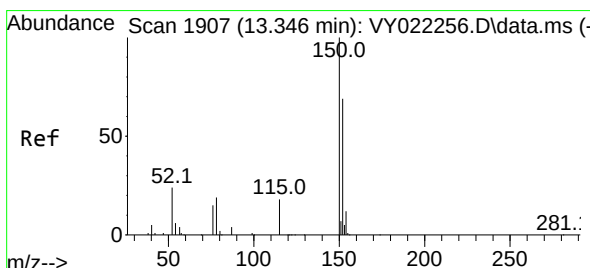
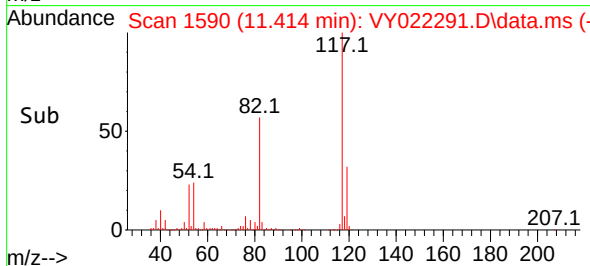
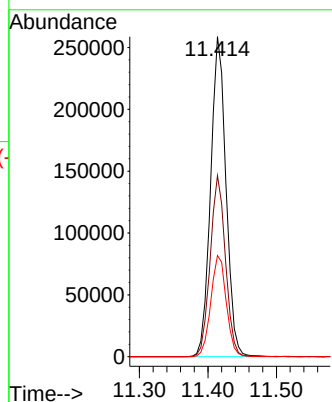
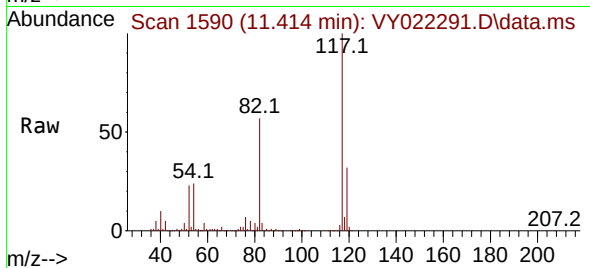
Tgt Ion:117 Resp: 403756

Ion Ratio Lower Upper

117 100

82 56.6 46.6 70.0

119 31.6 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: VY022291.D

Acq: 16 May 2025 15:15

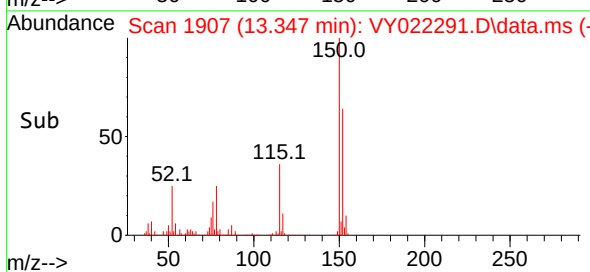
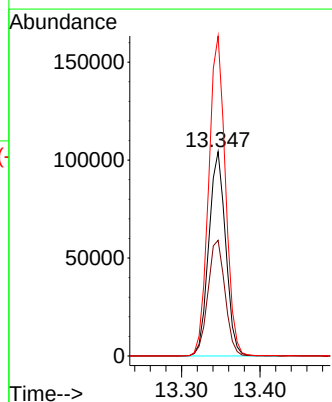
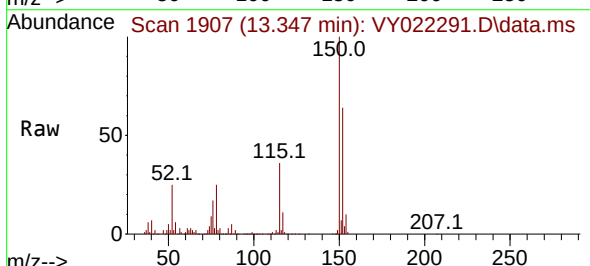
Tgt Ion:152 Resp: 155516

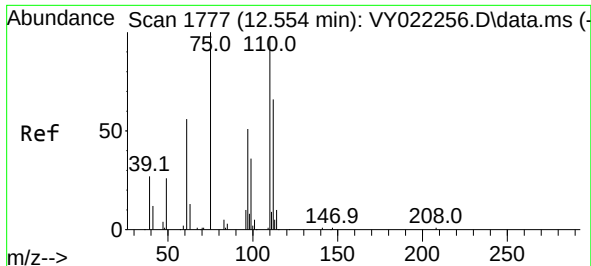
Ion Ratio Lower Upper

152 100

115 57.7 29.4 88.2

150 155.8 0.0 353.8

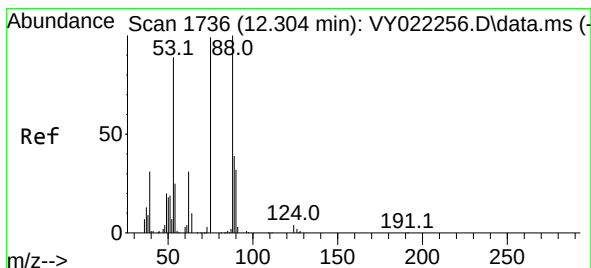
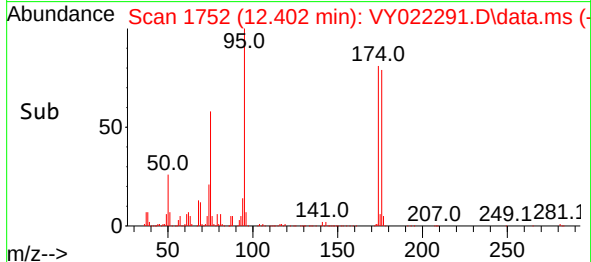
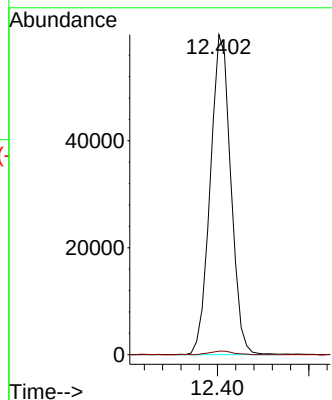
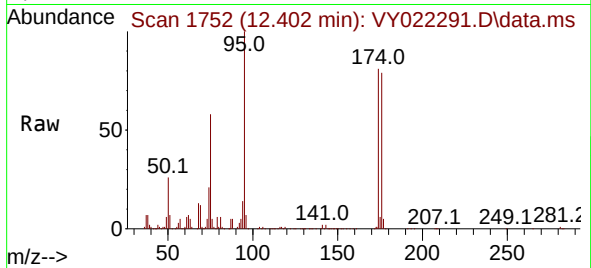




#76
1,2,3-Trichloropropane
Concen: 59.180 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Tgt Ion: 75 Resp: 93241
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.884 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion: 75 Resp: 93241
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 36.2 54.2#

