

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022395.D
 Acq On : 22 May 2025 14:55
 Operator : SY/MD
 Sample : Q2074-07
 Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-40

Quant Time: May 23 03:38:26 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)

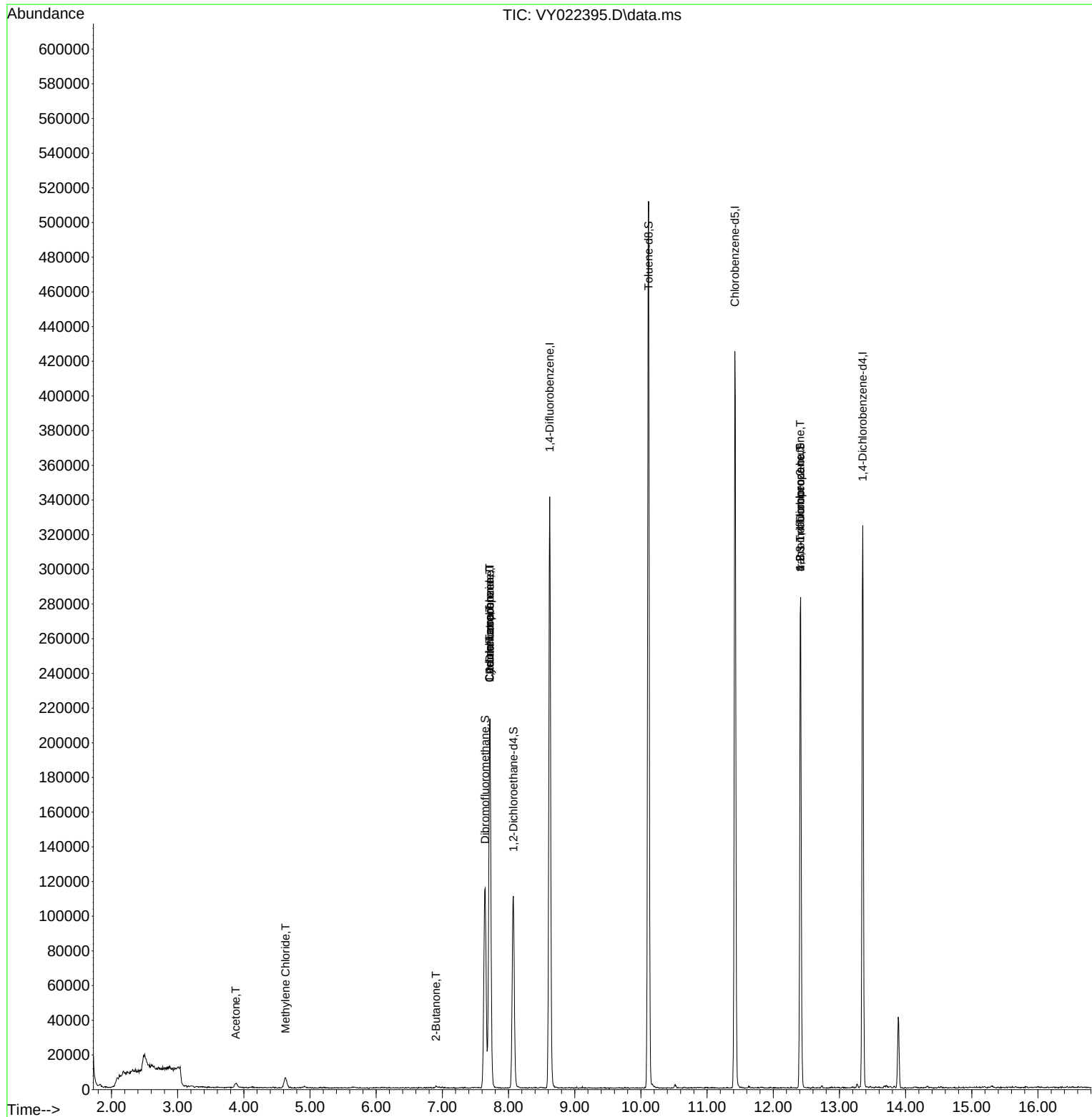
Internal Standards						
1) Pentafluorobenzene	7.719	168	163884	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	278478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	213324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	75609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	83592	46.671	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.340%
35) Dibromofluoromethane	7.646	113	81440	48.998	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.000%
50) Toluene-d8	10.115	98	324899	47.728	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.460%
62) 4-Bromofluorobenzene	12.407	95	78682	36.466	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.940%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	5169	15.391	ug/l #	88
20) Methylene Chloride	4.628	84	4338	1.999	ug/l #	68
25) 2-Butanone	6.902	43	1044	1.858	ug/l #	84
31) Cyclohexane	7.713	56	4349	1.200	ug/l #	9
36) 1,1-Dichloropropene	7.713	75	14173	5.177	ug/l #	52
38) Carbon Tetrachloride	7.713	117	16683	5.887	ug/l #	15
76) 1,2,3-Trichloropropane	12.407	75	46424	60.606	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	46424	122.772	ug/l #	12

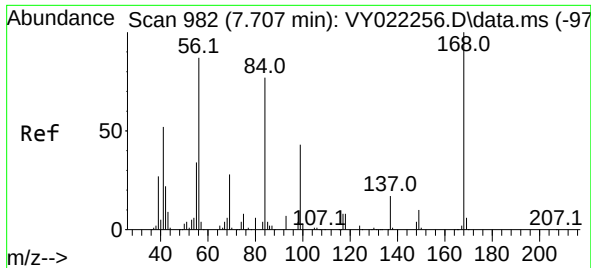
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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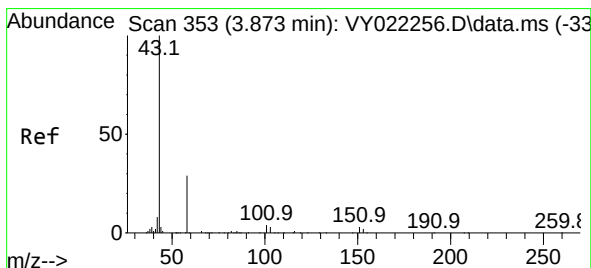
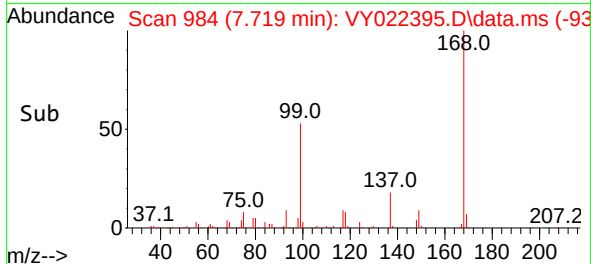
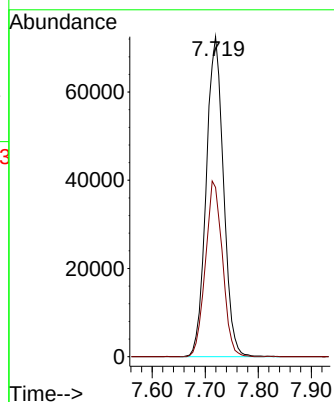
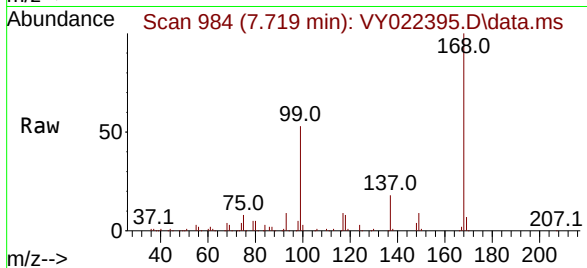




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

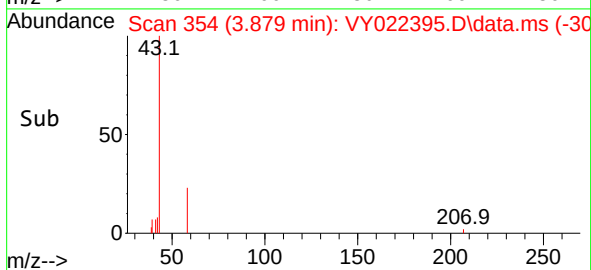
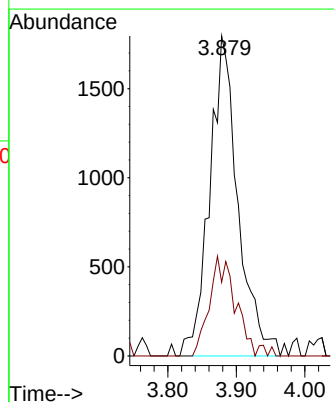
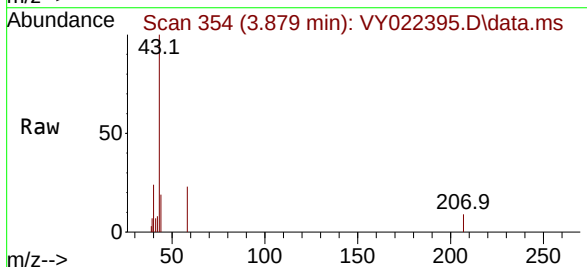
Instrument :
MSVOA_Y
ClientSampleId :
TP-40

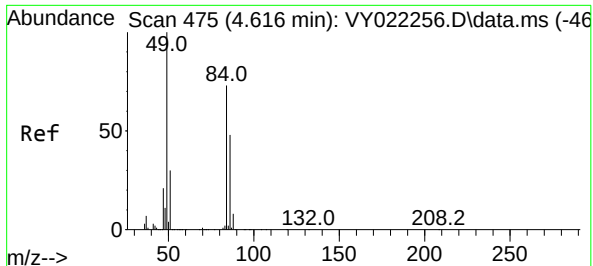
Tgt Ion:168 Resp: 163884
Ion Ratio Lower Upper
168 100
99 52.9 44.2 66.4



#16
Acetone
Concen: 15.391 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

Tgt Ion: 43 Resp: 5169
Ion Ratio Lower Upper
43 100
58 23.1 23.6 35.4#

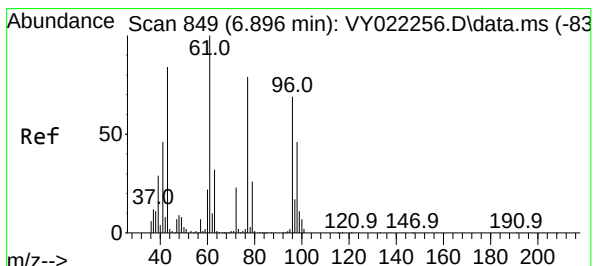
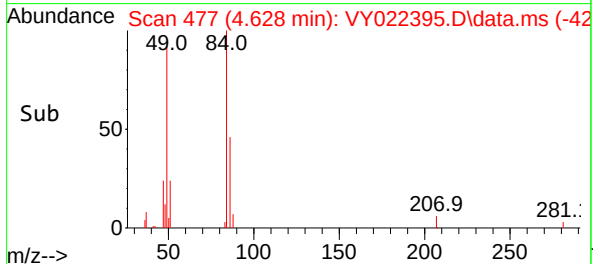
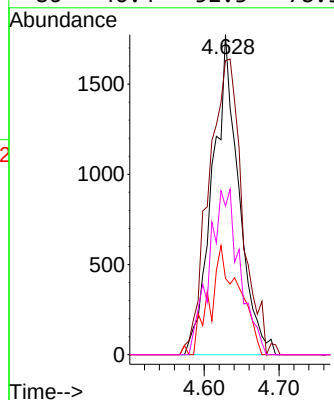
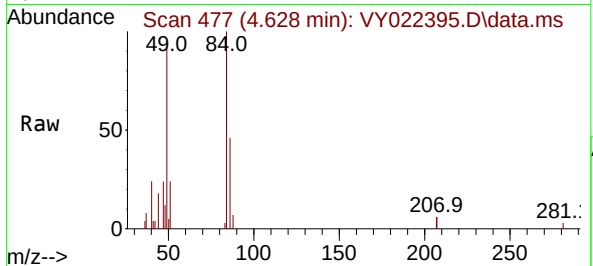




#20
Methylene Chloride
Concen: 1.999 ug/l
RT: 4.628 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

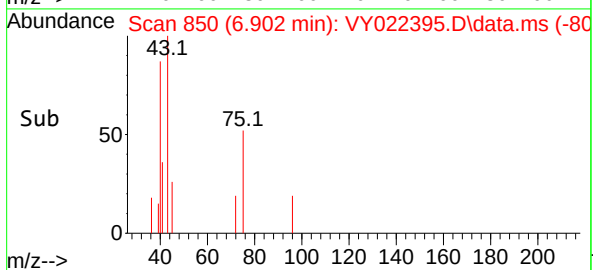
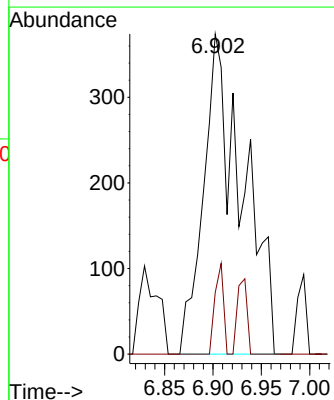
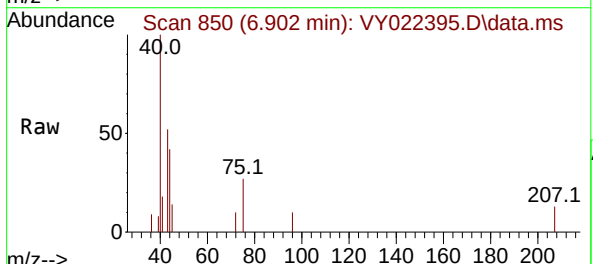
Instrument :
MSVOA_Y
ClientSampleId :
TP-40

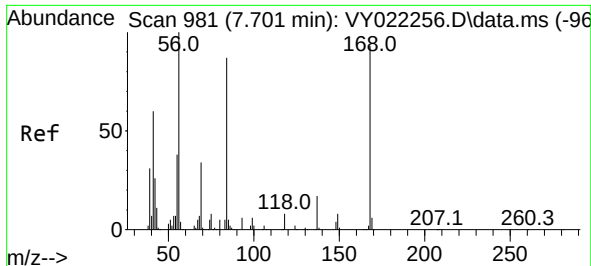
Tgt Ion:	84	Resp:	4338
Ion	Ratio	Lower	Upper
84	100		
49	91.9	109.6	164.4#
51	23.8	32.4	48.6#
86	46.4	52.3	78.5#



#25
2-Butanone
Concen: 1.858 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

Tgt Ion:	43	Resp:	1044
Ion	Ratio	Lower	Upper
43	100		
72	19.3	22.1	33.1#

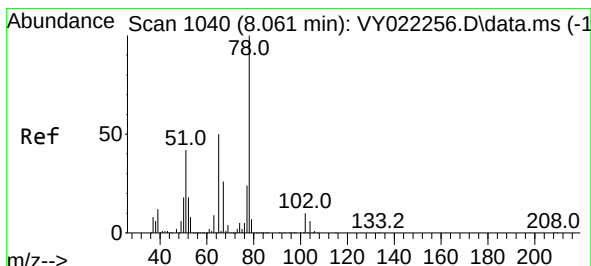
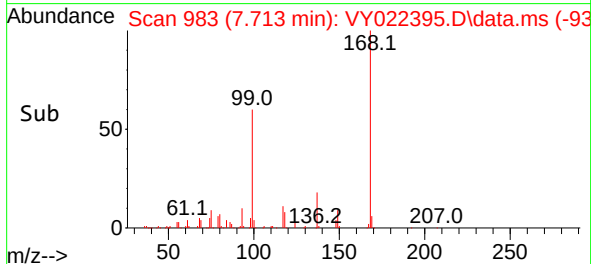
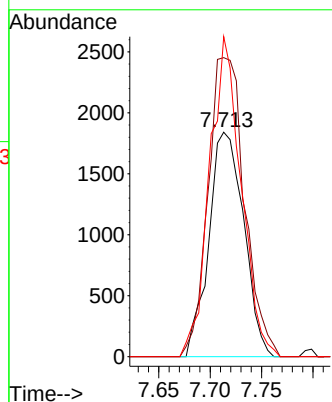
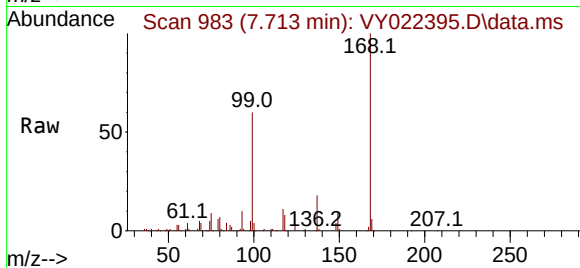




#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

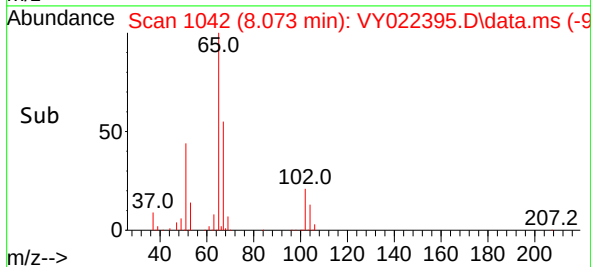
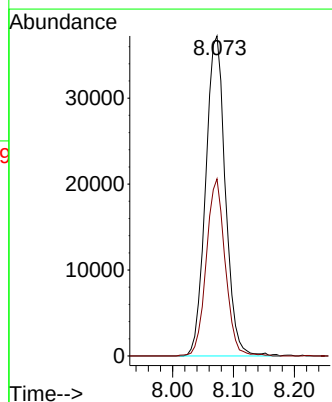
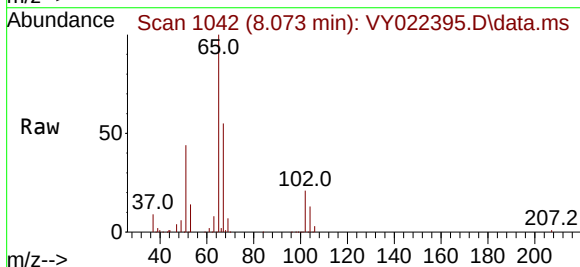
Instrument :
MSVOA_Y
ClientSampleId :
TP-40

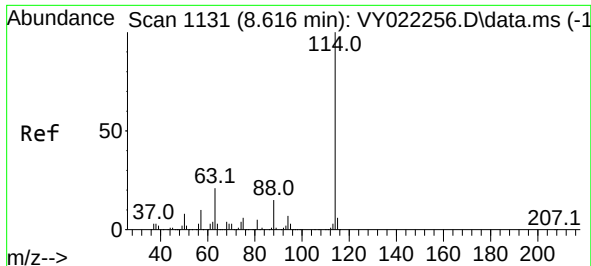
Tgt Ion: 56 Resp: 4349
Ion Ratio Lower Upper
56 100
69 133.2 27.4 41.2#
84 142.5 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 46.671 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

Tgt Ion: 65 Resp: 83592
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.6

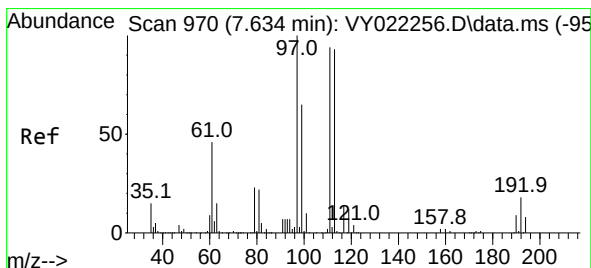
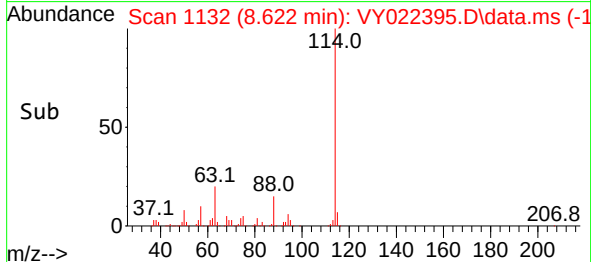
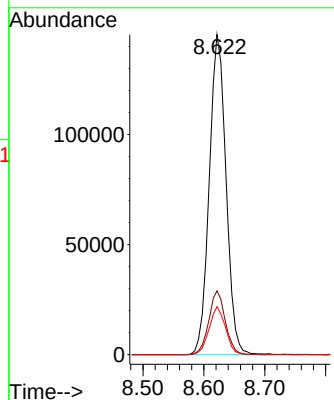
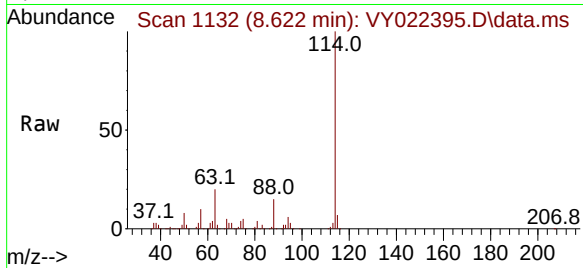




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

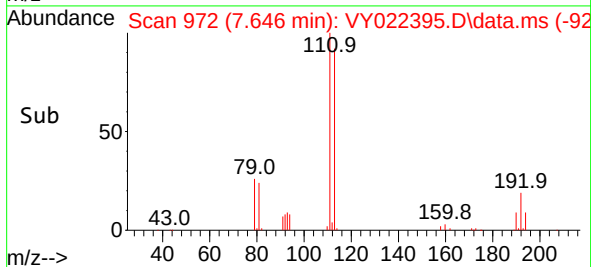
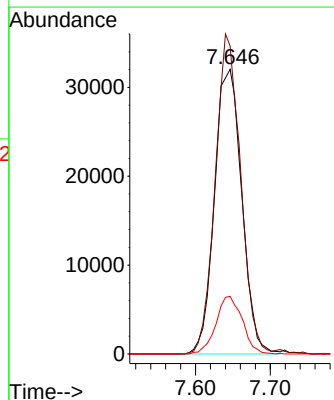
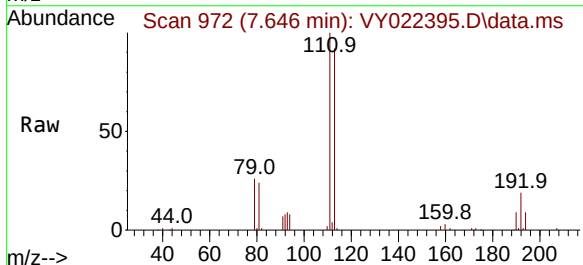
Instrument :
MSVOA_Y
ClientSampleId :
TP-40

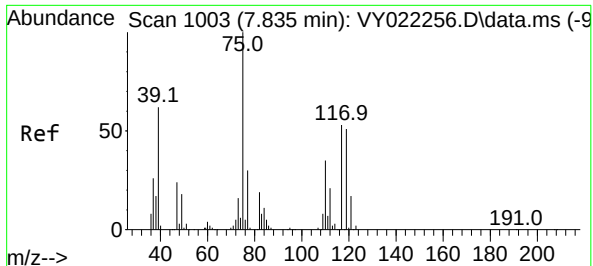
Tgt Ion:114 Resp: 278478
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.0
88 15.0 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.998 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

Tgt Ion:113 Resp: 81440
Ion Ratio Lower Upper
113 100
111 104.2 82.6 123.8
192 19.6 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.177 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY022395.D

Acq: 22 May 2025 14:55

Instrument :

MSVOA_Y

ClientSampleId :

TP-40

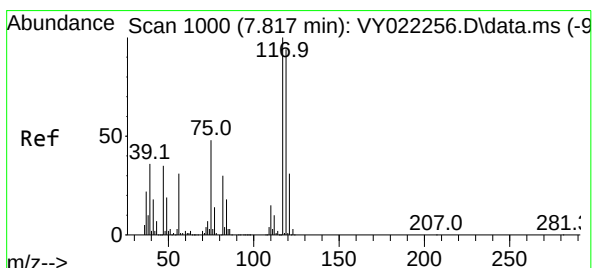
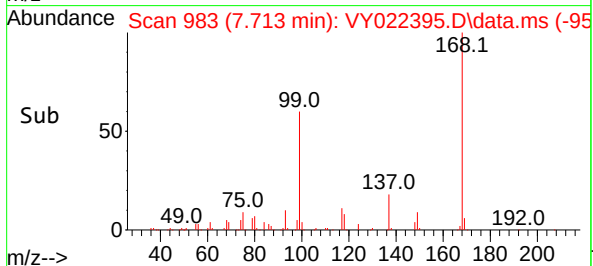
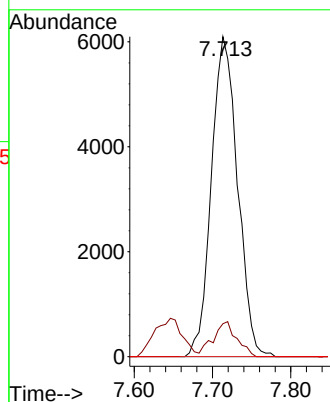
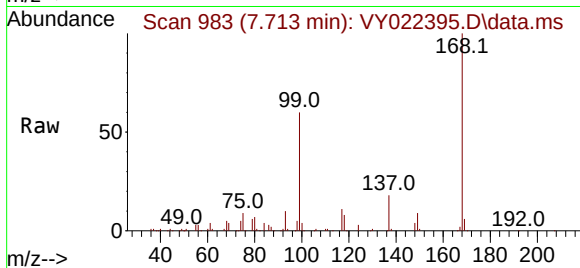
Tgt Ion: 75 Resp: 14173

Ion Ratio Lower Upper

75 100

110 9.8 16.6 49.8#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.887 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY022395.D

Acq: 22 May 2025 14:55

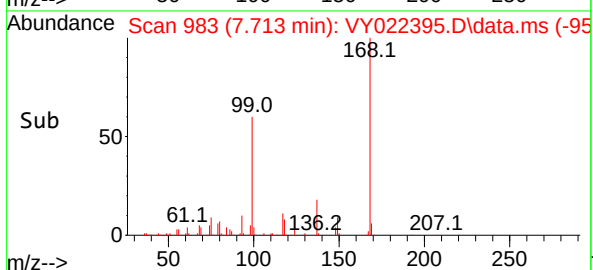
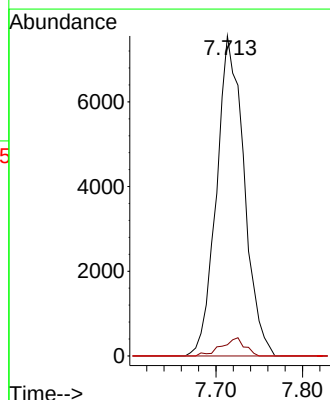
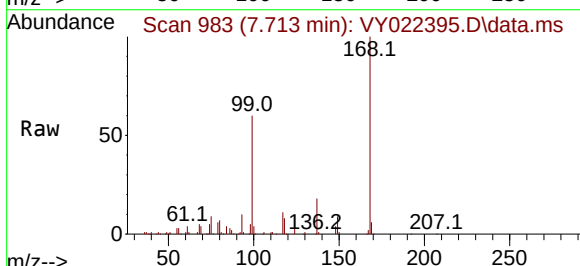
Tgt Ion: 117 Resp: 16683

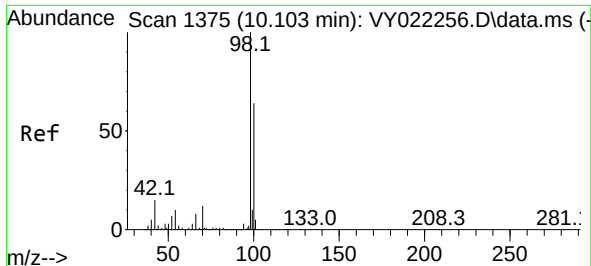
Ion Ratio Lower Upper

117 100

119 3.5 75.3 112.9#

121 0.0 24.7 37.1#

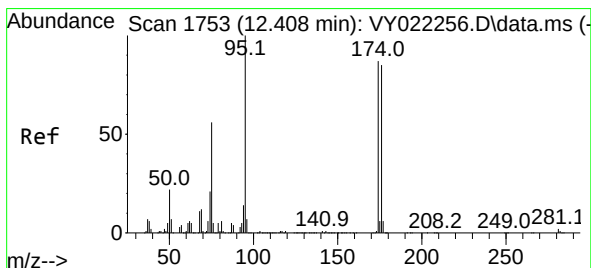
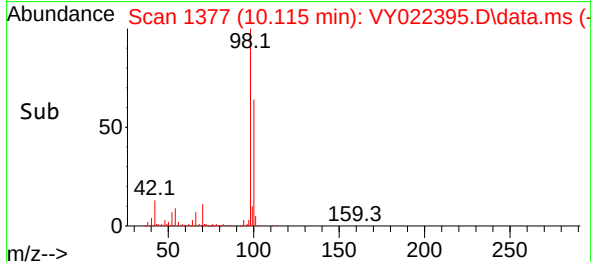
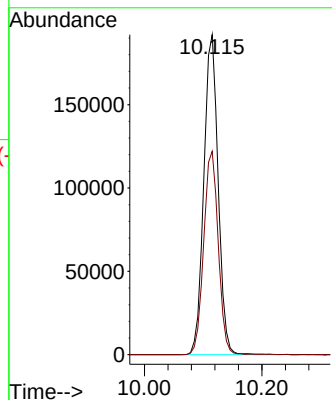
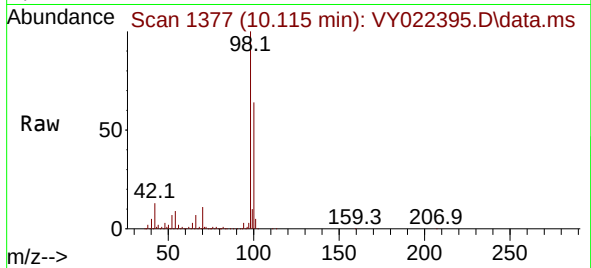




#50
Toluene-d8
Concen: 47.728 ug/l
RT: 10.115 min Scan# 1375
Delta R.T. 0.012 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

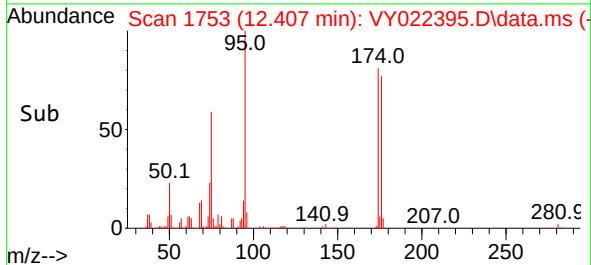
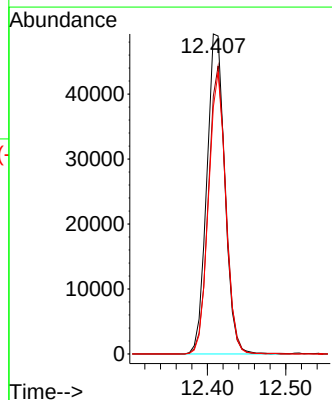
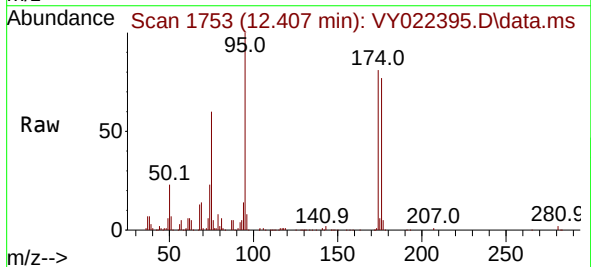
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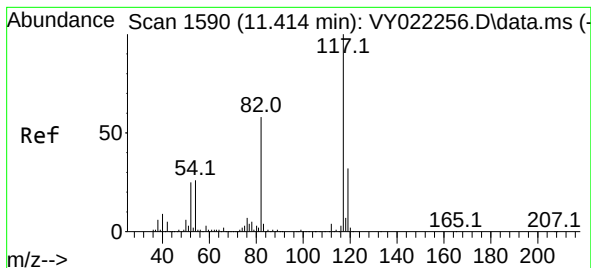
Tgt Ion: 98 Resp: 324899
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 36.466 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

Tgt Ion: 95 Resp: 78682
Ion Ratio Lower Upper
95 100
174 87.1 0.0 166.8
176 83.9 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022395.D

Acq: 22 May 2025 14:55

Instrument :

MSVOA_Y

ClientSampleId :

TP-40

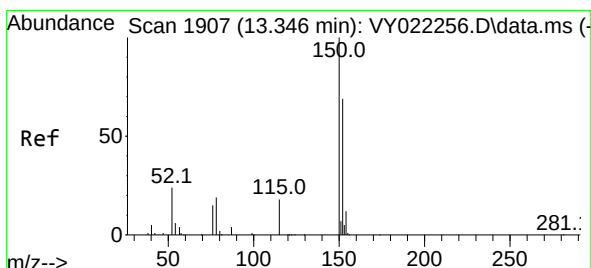
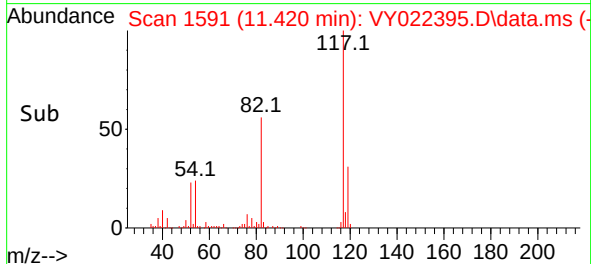
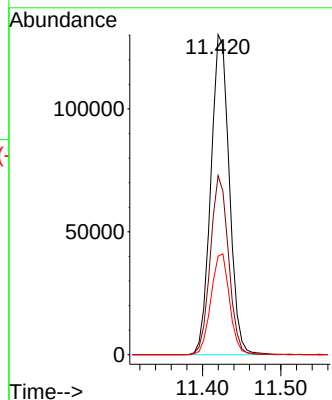
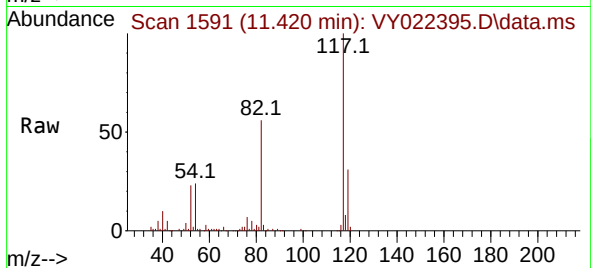
Tgt Ion:117 Resp: 213324

Ion Ratio Lower Upper

117 100

82 56.0 46.6 70.0

119 30.8 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022395.D

Acq: 22 May 2025 14:55

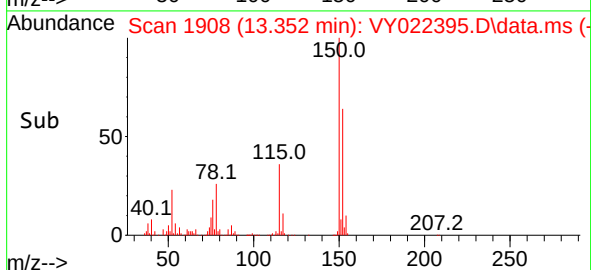
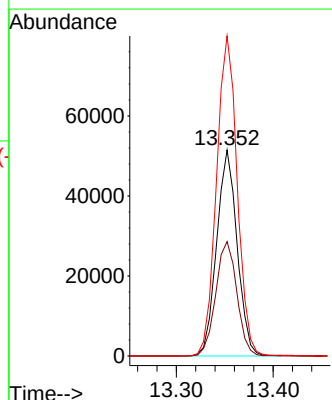
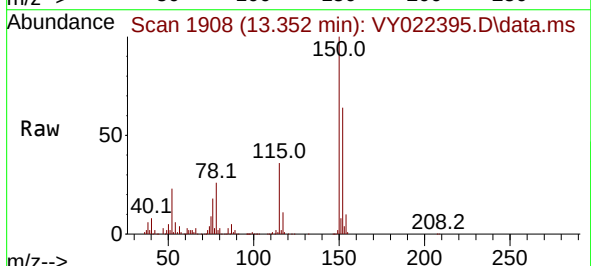
Tgt Ion:152 Resp: 75609

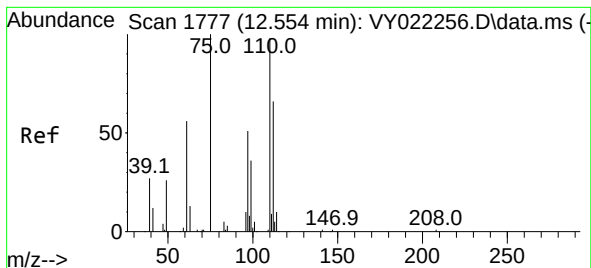
Ion Ratio Lower Upper

152 100

115 57.3 29.4 88.2

150 157.1 0.0 353.8





#76

1,2,3-Trichloropropane

Concen: 60.606 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022395.D

Acq: 22 May 2025 14:55

Instrument :

MSVOA_Y

ClientSampleId :

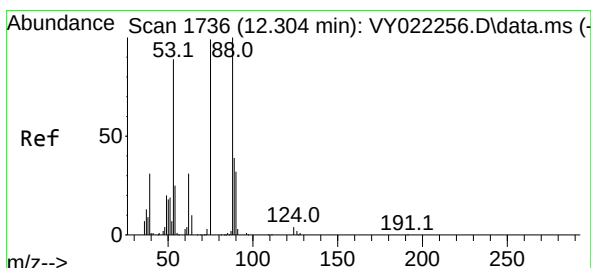
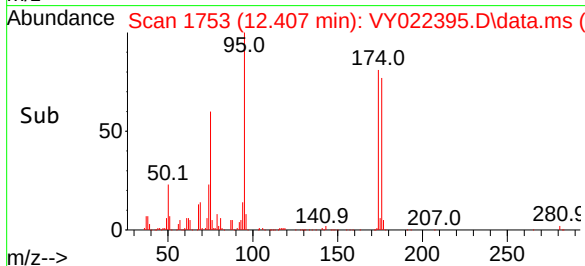
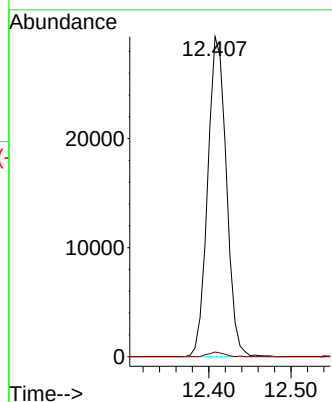
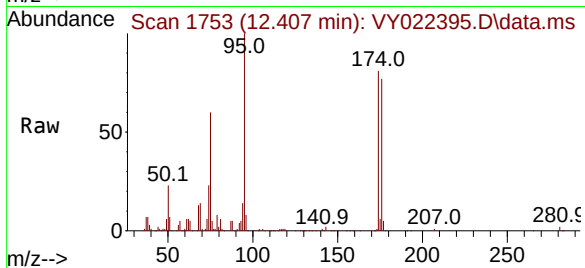
TP-40

Tgt Ion: 75 Resp: 46424

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.772 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY022395.D

Acq: 22 May 2025 14:55

Tgt Ion: 75 Resp: 46424

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.1 36.2 54.2#

