

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022392.D
 Acq On : 22 May 2025 13:45
 Operator : SY/MD
 Sample : Q2074-04
 Misc : 7.61g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-20

Quant Time: May 23 03:37:22 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)

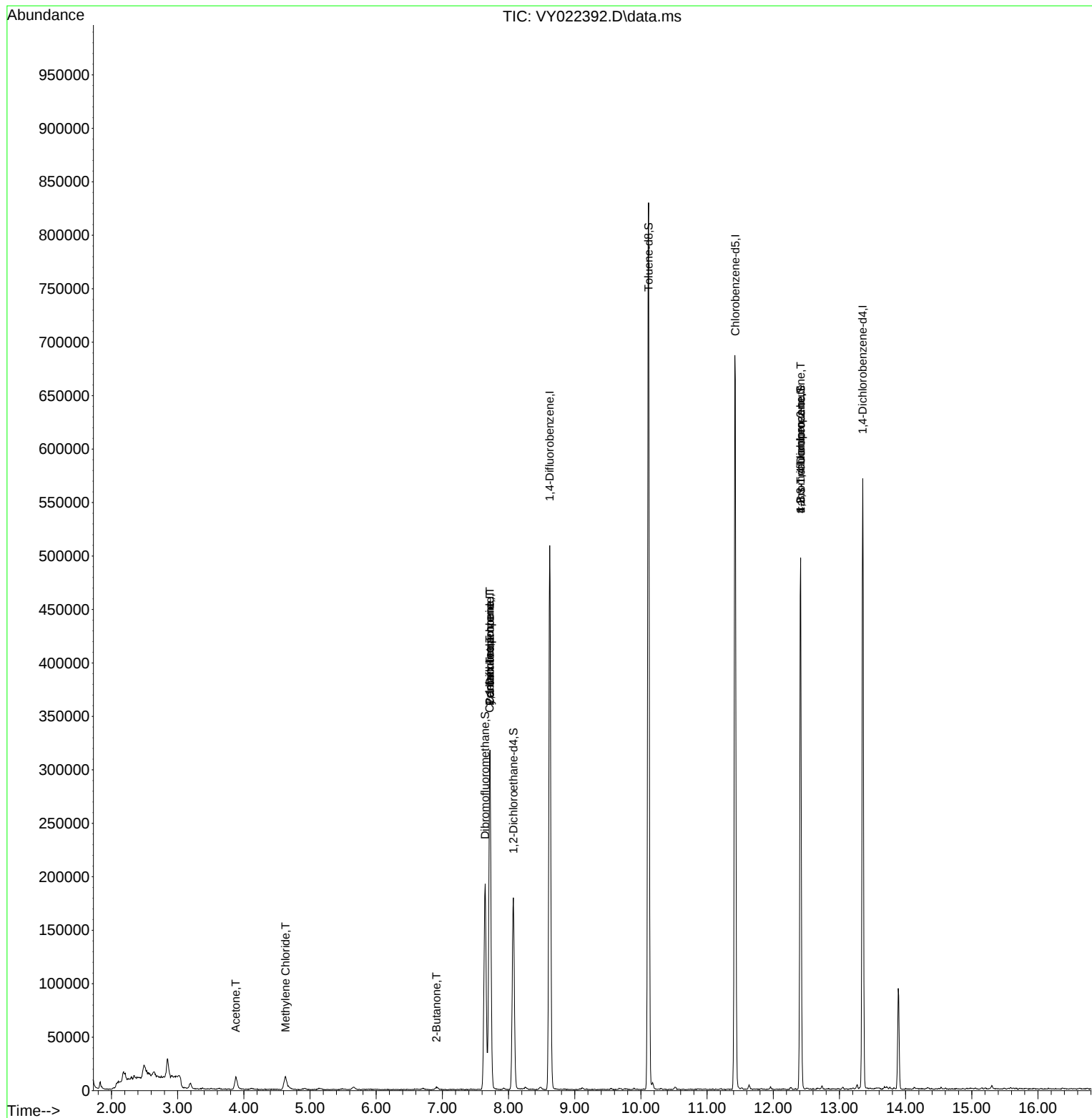
Internal Standards						
1) Pentafluorobenzene	7.719	168	243454	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	431875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	349983	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	131238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	132631	49.848	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.700%
35) Dibromofluoromethane	7.646	113	130701	50.705	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.400%
50) Toluene-d8	10.115	98	520772	49.329	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.660%
62) 4-Bromofluorobenzene	12.414	95	134355	40.151	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.300%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	20631	41.353	ug/l	95
20) Methylene Chloride	4.629	84	7617	2.363	ug/l	86
25) 2-Butanone	6.909	43	3046	3.650	ug/l	96
31) Cyclohexane	7.713	56	6474	1.203	ug/l #	16
36) 1,1-Dichloropropene	7.719	75	20477	4.823	ug/l #	51
38) Carbon Tetrachloride	7.719	117	24286	5.526	ug/l #	16
76) 1,2,3-Trichloropropane	12.414	75	78334	58.916	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	78334	119.350	ug/l #	12

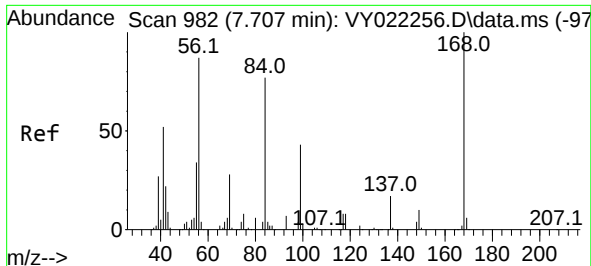
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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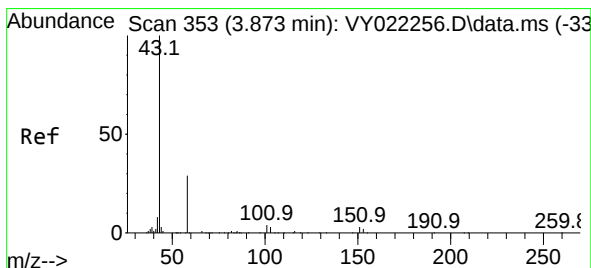
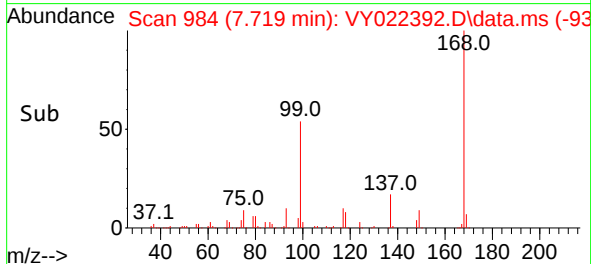
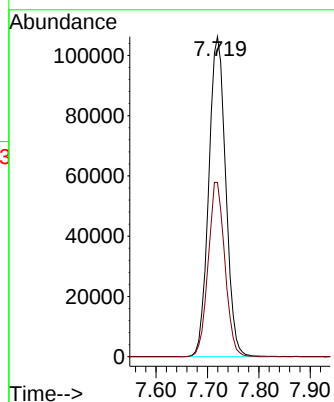
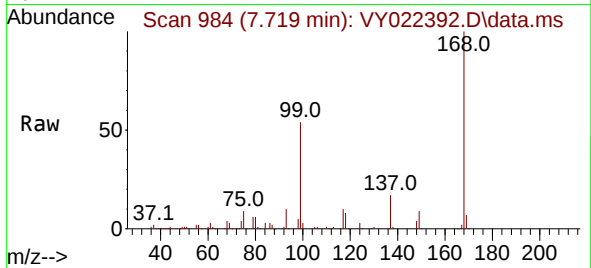




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

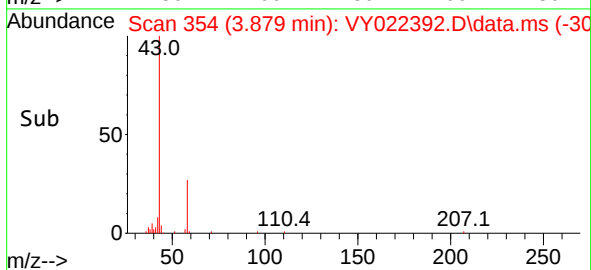
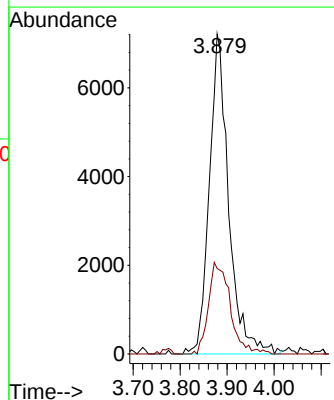
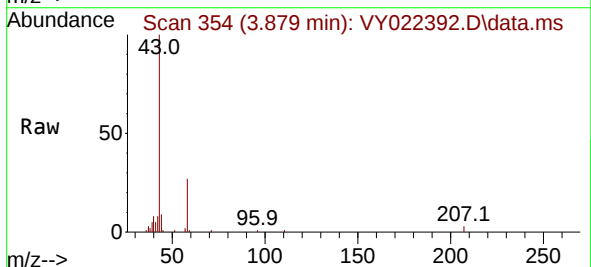
Instrument :
MSVOA_Y
ClientSampleId :
TP-20

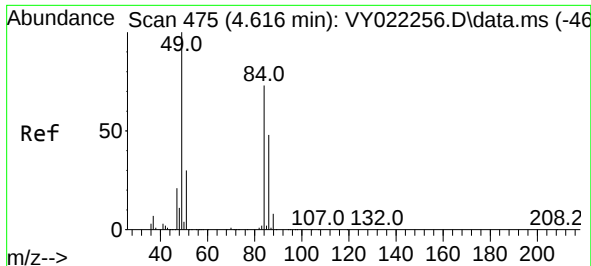
Tgt Ion:168 Resp: 243454
Ion Ratio Lower Upper
168 100
99 54.4 44.2 66.4



#16
Acetone
Concen: 41.353 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

Tgt Ion: 43 Resp: 20631
Ion Ratio Lower Upper
43 100
58 26.7 23.6 35.4

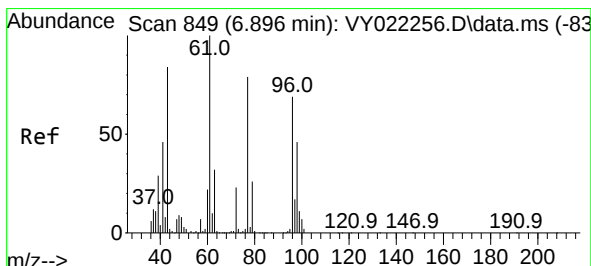
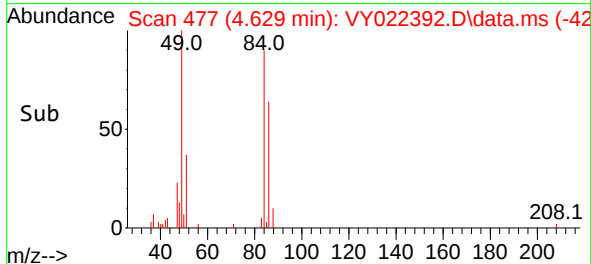
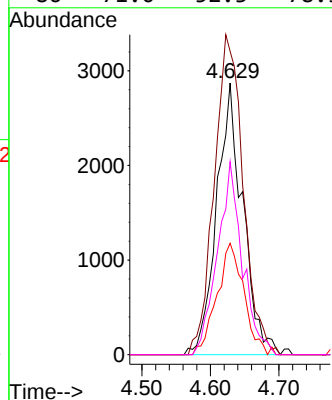
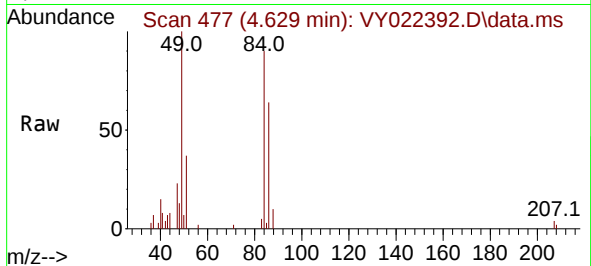




#20
Methylene Chloride
Concen: 2.363 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

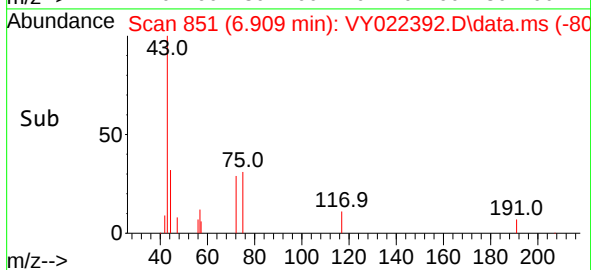
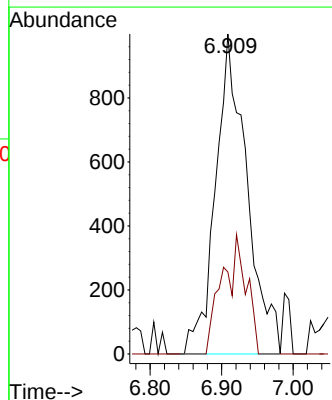
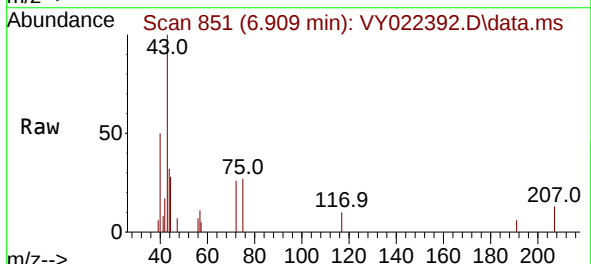
Instrument :
MSVOA_Y
ClientSampleId :
TP-20

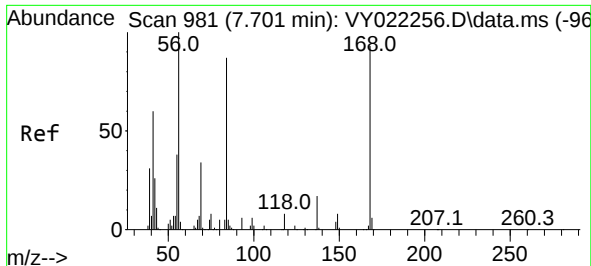
Tgt Ion:	84	Resp:	7617
Ion	Ratio	Lower	Upper
84	100		
49	111.7	109.6	164.4
51	41.0	32.4	48.6
86	71.0	52.3	78.5



#25
2-Butanone
Concen: 3.650 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.012 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

Tgt Ion:	43	Resp:	3046
Ion	Ratio	Lower	Upper
43	100		
72	25.6	22.1	33.1

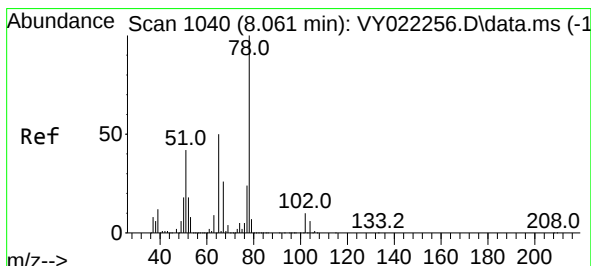
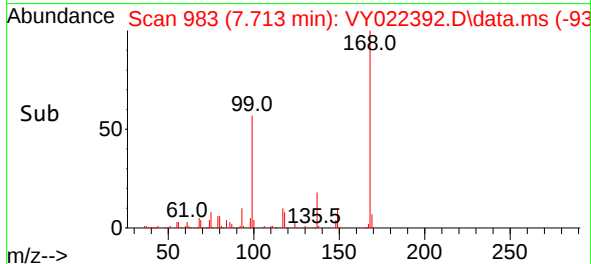
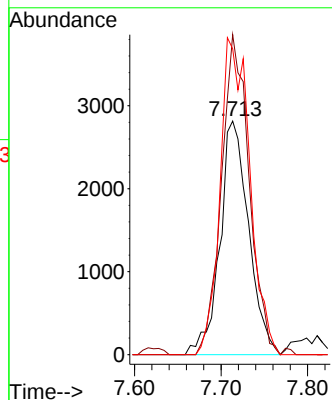
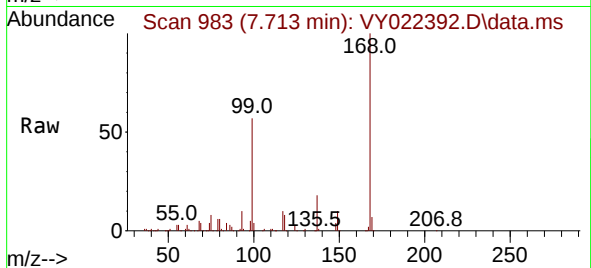




#31
Cyclohexane
Concen: 1.203 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

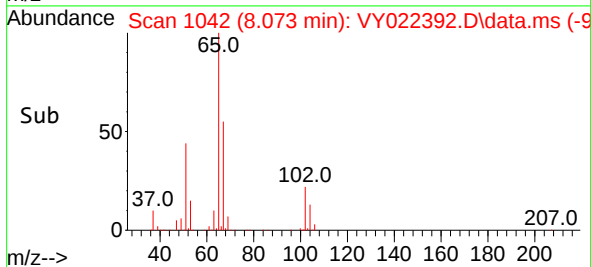
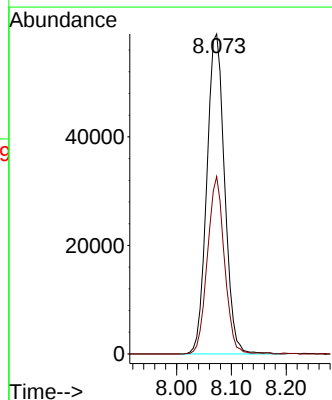
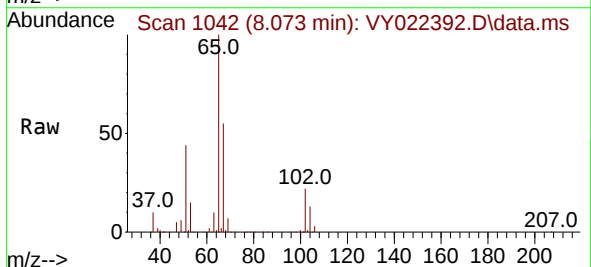
Instrument :
MSVOA_Y
ClientSampleId :
TP-20

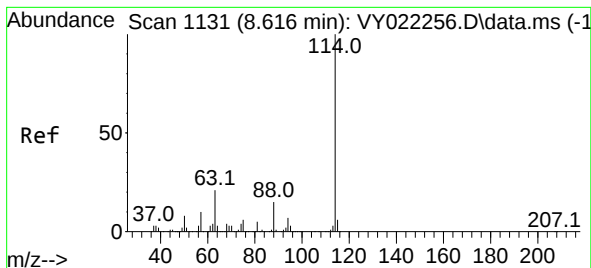
Tgt Ion: 56 Resp: 6474
Ion Ratio Lower Upper
56 100
69 137.0 27.4 41.2#
84 131.0 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 49.848 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

Tgt Ion: 65 Resp: 132631
Ion Ratio Lower Upper
65 100
67 52.9 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: VY022392.D

Acq: 22 May 2025 13:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-20

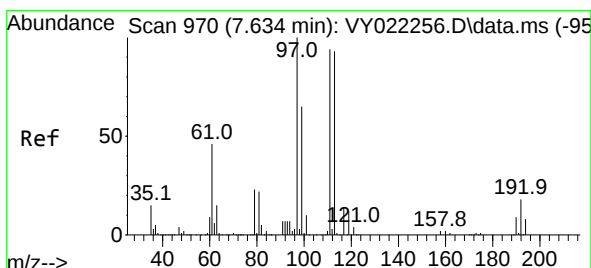
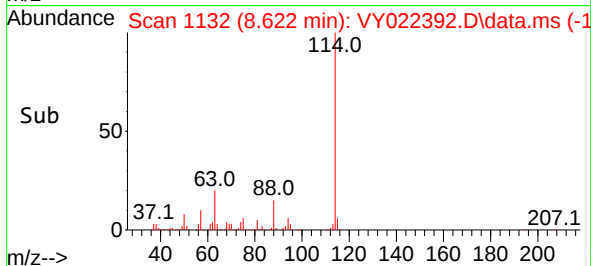
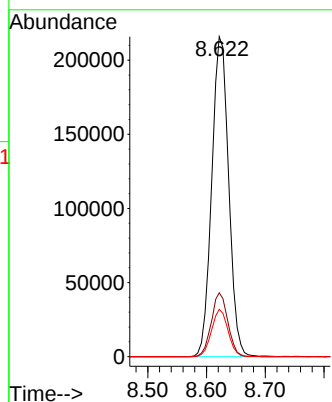
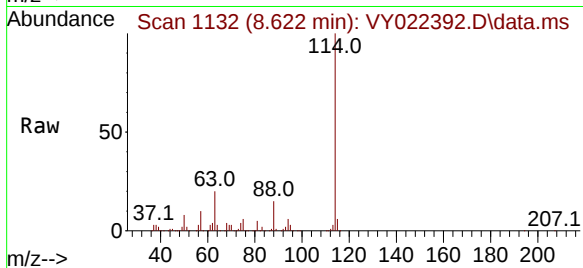
Tgt Ion:114 Resp: 431875

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.0

88 14.8 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.705 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY022392.D

Acq: 22 May 2025 13:45

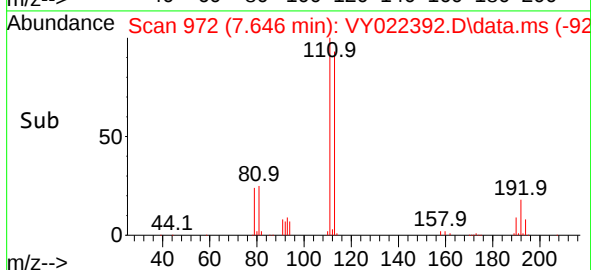
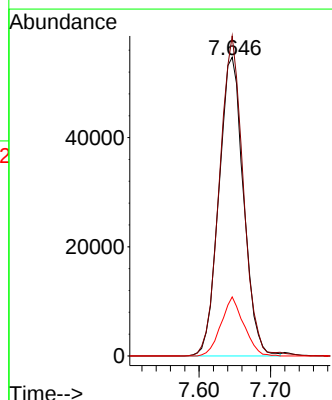
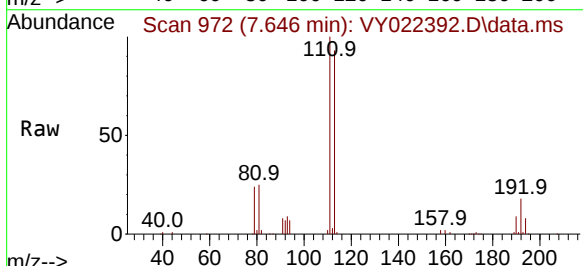
Tgt Ion:113 Resp: 130701

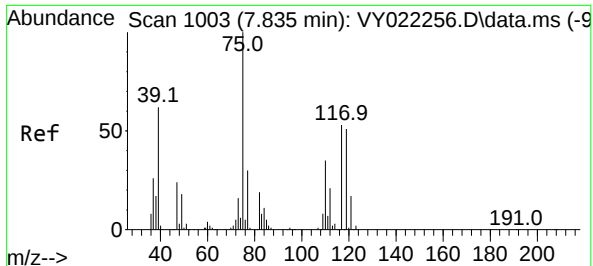
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 18.3 15.2 22.8

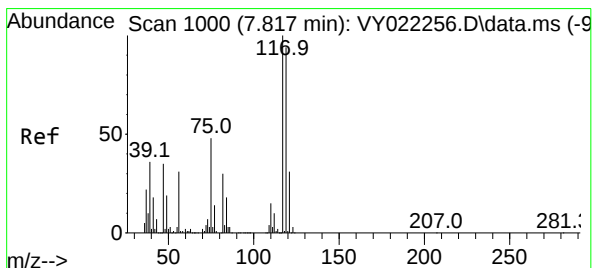
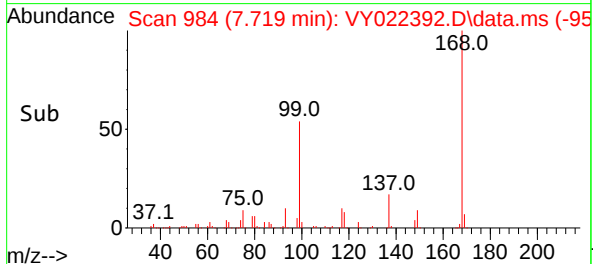
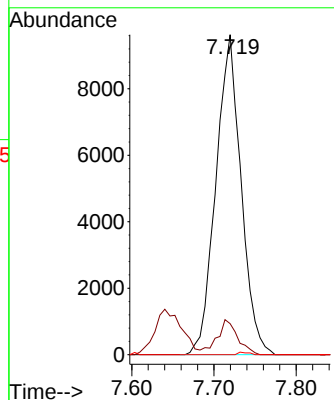
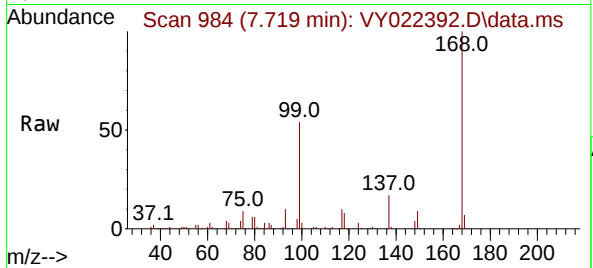




#36
1,1-Dichloropropene
Concen: 4.823 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.116 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

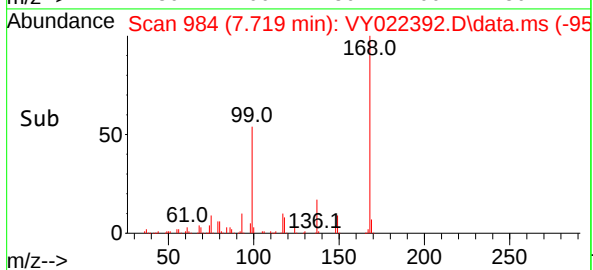
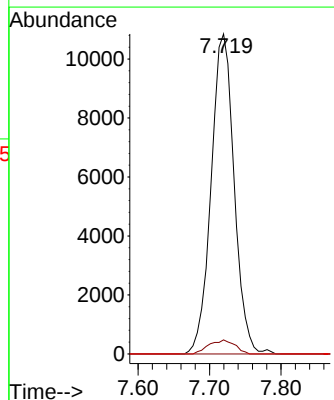
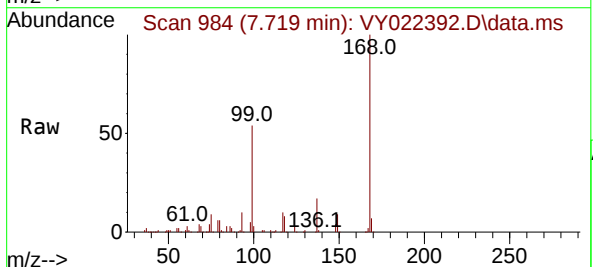
Instrument :
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ClientSampleId :
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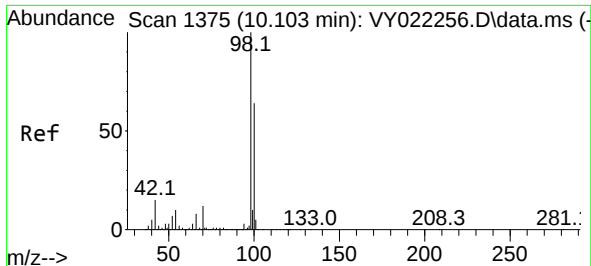
Tgt Ion: 75 Resp: 20477
Ion Ratio Lower Upper
75 100
110 8.9 16.6 49.8#
77 0.3 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.526 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.097 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

Tgt Ion: 117 Resp: 24286
Ion Ratio Lower Upper
117 100
119 4.4 75.3 112.9#
121 0.0 24.7 37.1#

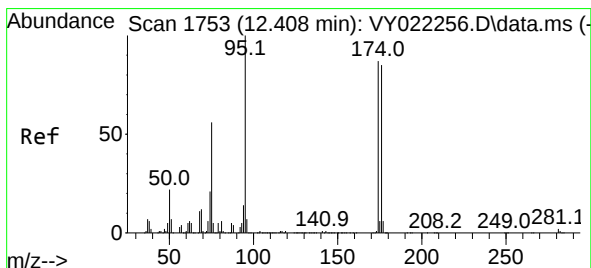
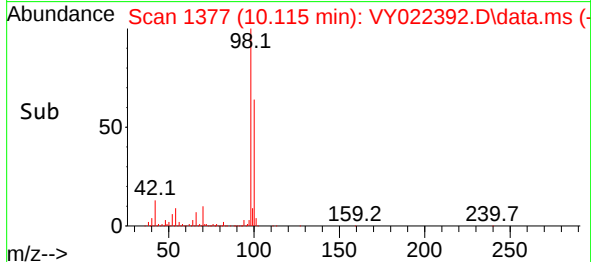
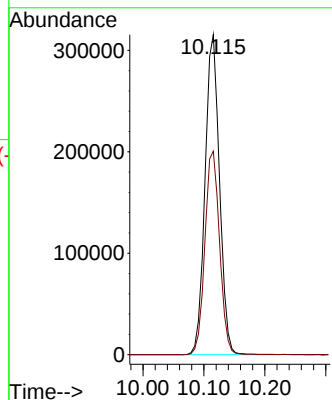
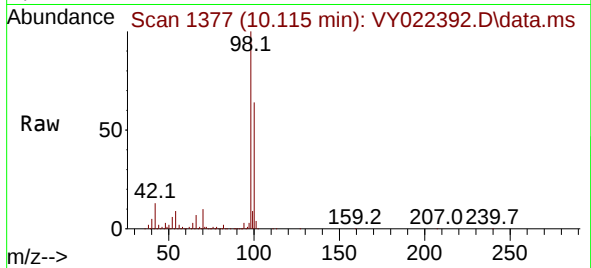




#50
Toluene-d8
Concen: 49.329 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

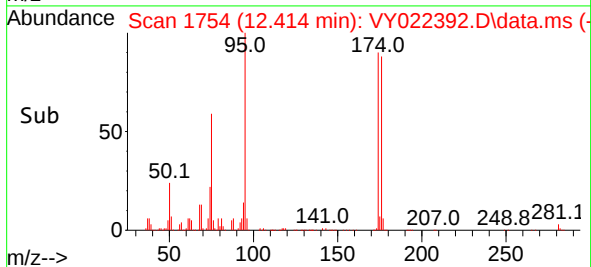
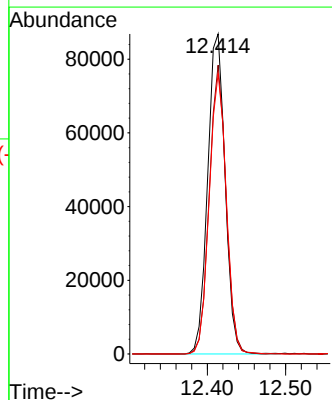
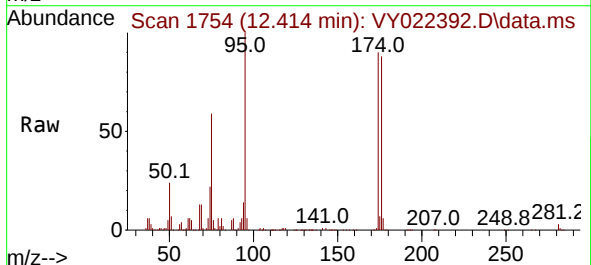
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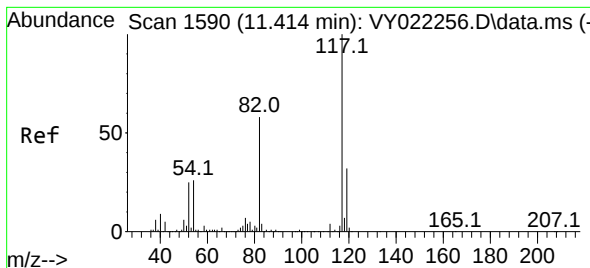
Tgt Ion: 98 Resp: 520772
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.151 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

Tgt Ion: 95 Resp: 134355
Ion Ratio Lower Upper
95 100
174 86.6 0.0 166.8
176 85.8 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY022392.D

Acq: 22 May 2025 13:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-20

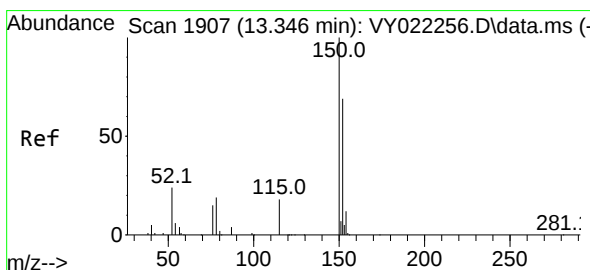
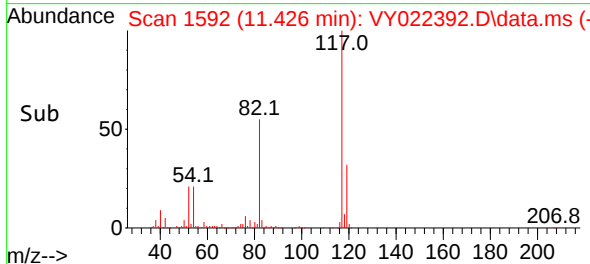
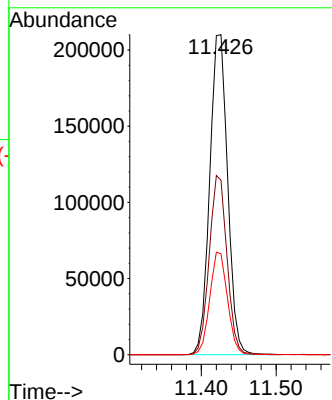
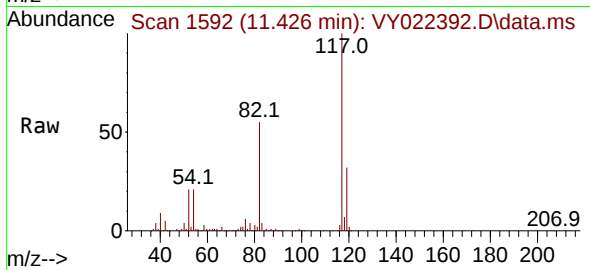
Tgt Ion:117 Resp: 349983

Ion Ratio Lower Upper

117 100

82 54.5 46.6 70.0

119 31.5 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022392.D

Acq: 22 May 2025 13:45

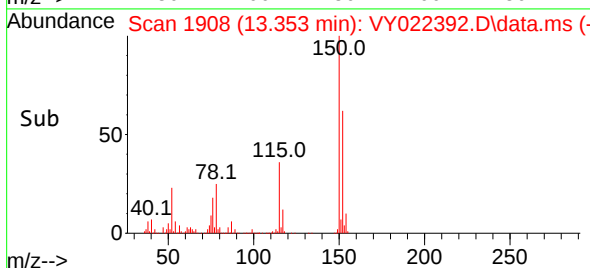
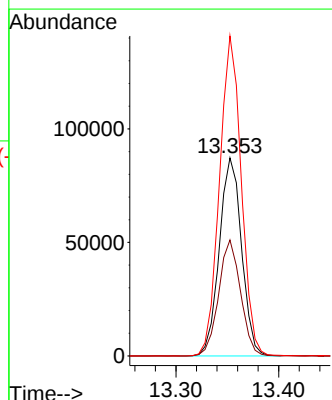
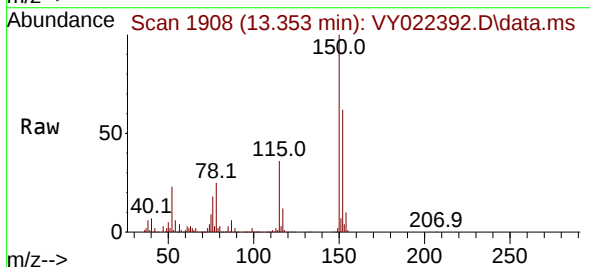
Tgt Ion:152 Resp: 131238

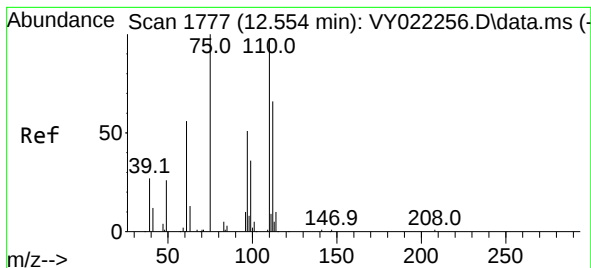
Ion Ratio Lower Upper

152 100

115 57.5 29.4 88.2

150 158.0 0.0 353.8

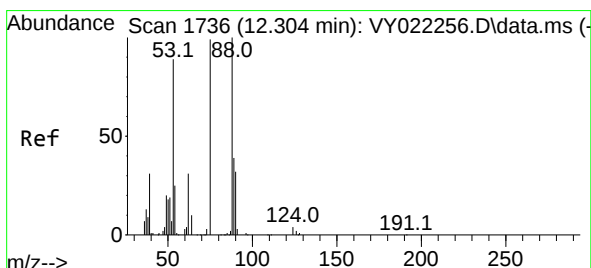
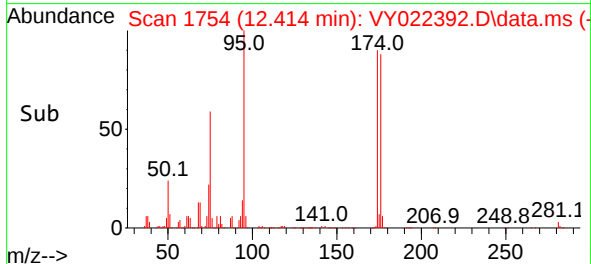
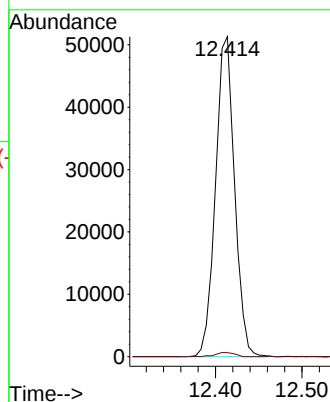
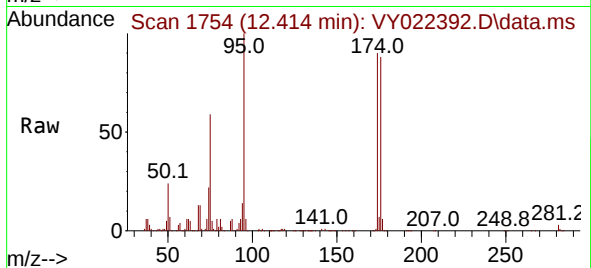




#76
1,2,3-Trichloropropane
Concen: 58.916 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.140 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

Instrument :
MSVOA_Y
ClientSampleId :
TP-20

Tgt Ion: 75 Resp: 78334
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.350 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.110 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

Tgt Ion: 75 Resp: 78334
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.1 36.2 54.2#

