

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061725\
 Data File : VY022721.D
 Acq On : 17 Jun 2025 14:01
 Operator : SY/MD
 Sample : Q2338-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 04:41:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	61367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	110162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	87832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	30887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	35712	52.031	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.060%	
35) Dibromofluoromethane	7.640	113	34285	52.142	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.280%	
50) Toluene-d8	10.109	98	130358	49.065	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.120%	
62) 4-Bromofluorobenzene	12.408	95	31680	40.020	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.040%	
Target Compounds						
					Qvalue	
16) Acetone	3.854	43	266	1.908	ug/l	93
20) Methylene Chloride	4.629	84	2590	3.271	ug/l	97
31) Cyclohexane	7.713	56	1736	1.316	ug/l #	26
36) 1,1-Dichloropropene	7.713	75	5866	5.497	ug/l #	50
38) Carbon Tetrachloride	7.707	117	6334	5.786	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	650	1.268	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	18686	52.881	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	18686	127.705	ug/l #	11

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

Abundance

TIC: VY022721.D\data.ms

Time-->

Acetone, T

Methylene Chloride, T

Dibromofluoromethane, S

1,2-Dichloroethane-d4, S

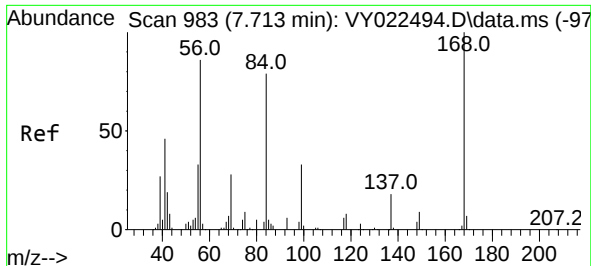
1,4-Difluorobenzene, I

1,1,1-Trichloro-2,2,2-trifluoroethane, T

Chlorobenzene-d5, I

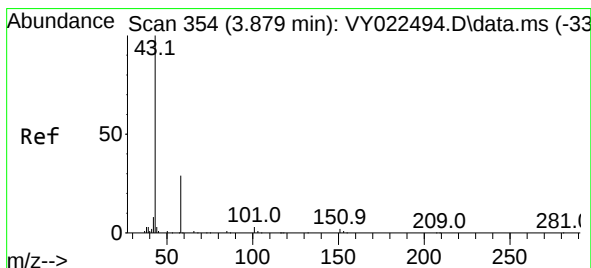
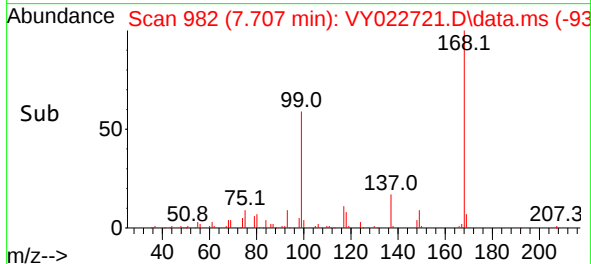
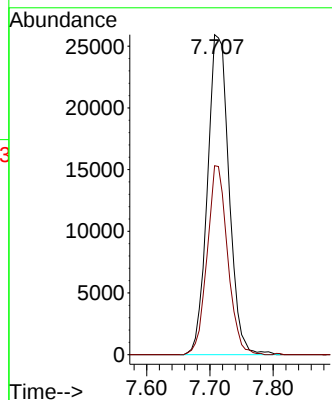
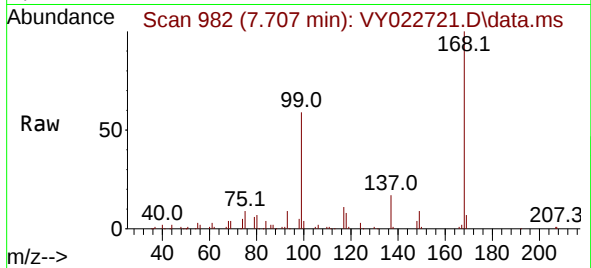
1,1,2,2-Tetrachloroethane, S

1,4-Dichlorobenzene-d4, I



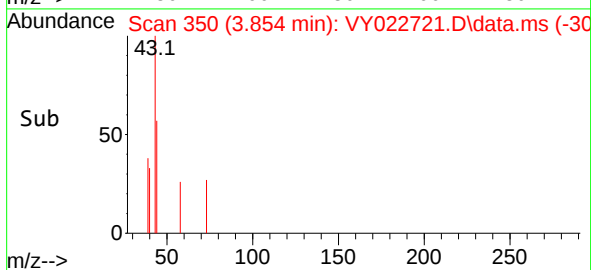
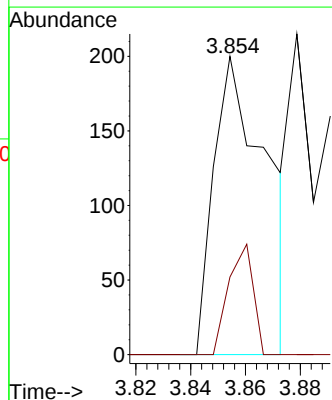
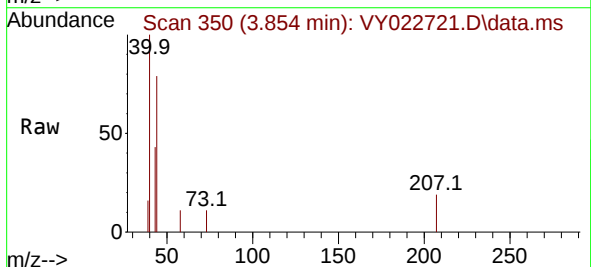
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022721.D
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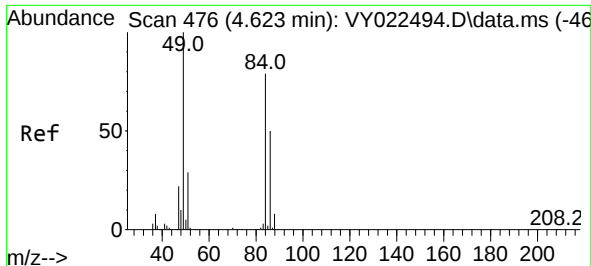
Tgt Ion:168 Resp: 61367
Ion Ratio Lower Upper
168 100
99 59.0 44.3 66.5



#16
Acetone
Concen: 1.908 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.024 min
Lab File: VY022721.D
Acq: 17 Jun 2025 14:01

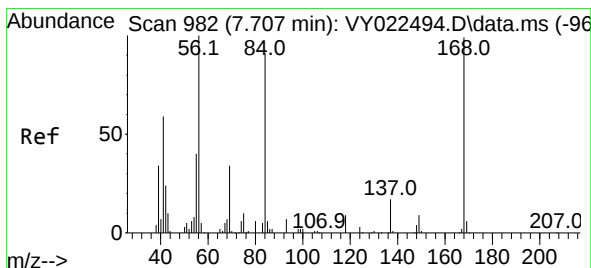
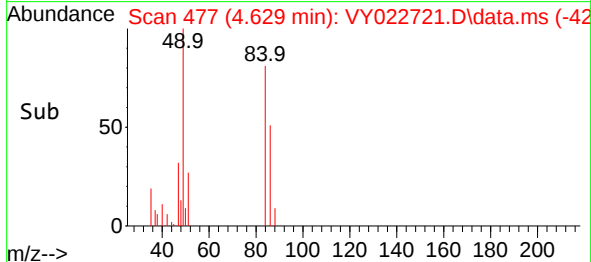
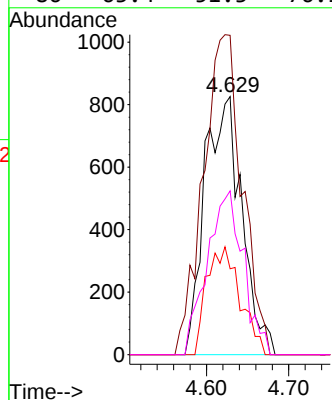
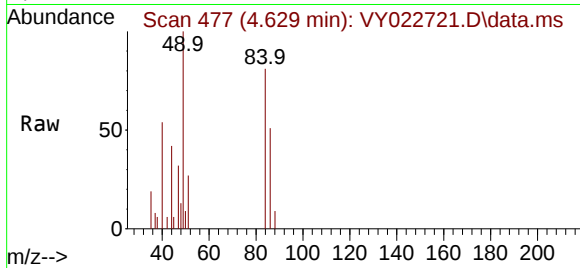
Tgt Ion: 43 Resp: 266
Ion Ratio Lower Upper
43 100
58 26.0 24.0 36.0





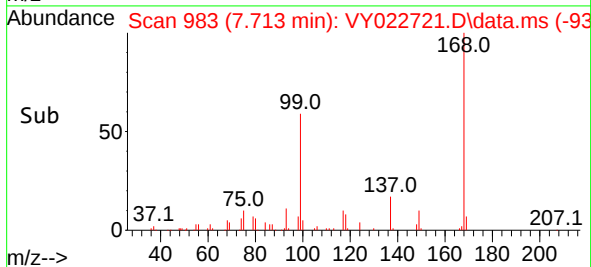
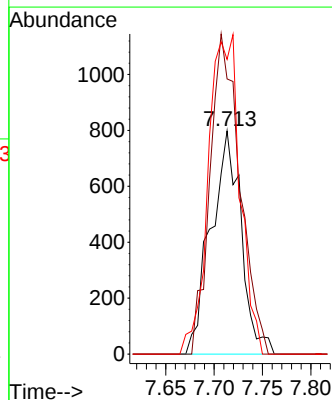
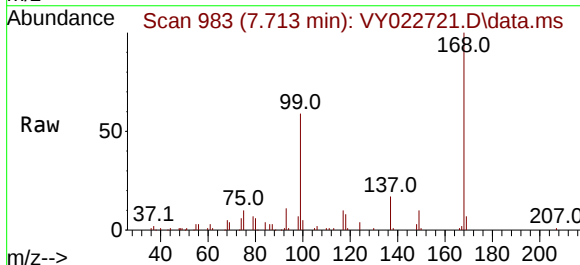
#20
Methylene Chloride
Concen: 3.271 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY022721.D
Acq: 17 Jun 2025 14:01

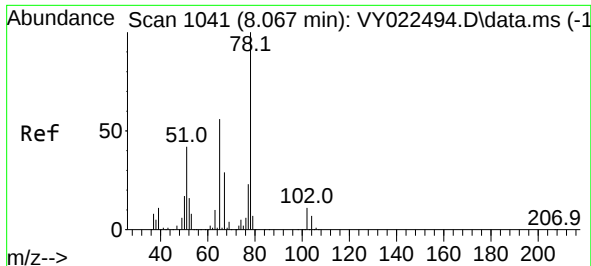
Tgt Ion: 84	Resp: 2590
Ion Ratio	Lower Upper
84 100	
49 123.7	101.9 152.9
51 33.3	29.8 44.8
86 63.4	51.3 76.9



#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022721.D
Acq: 17 Jun 2025 14:01

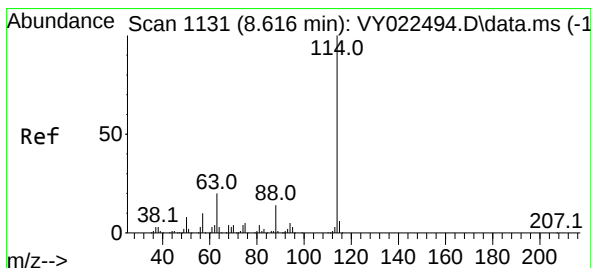
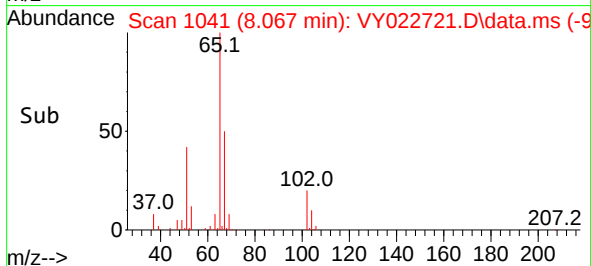
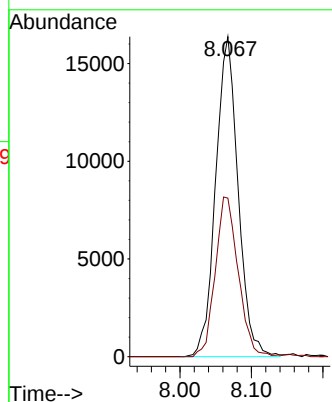
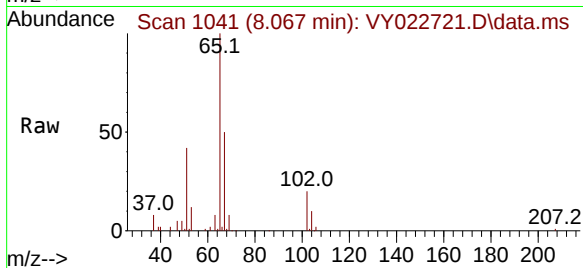
Tgt Ion: 56	Resp: 1736
Ion Ratio	Lower Upper
56 100	
69 123.3	27.0 40.6#
84 132.1	72.6 109.0#





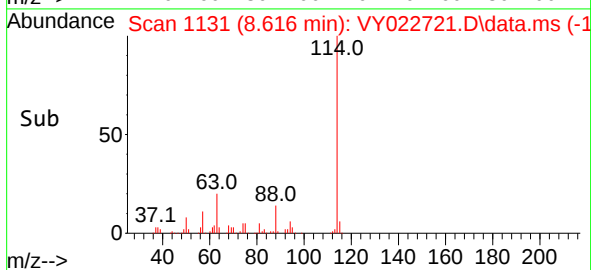
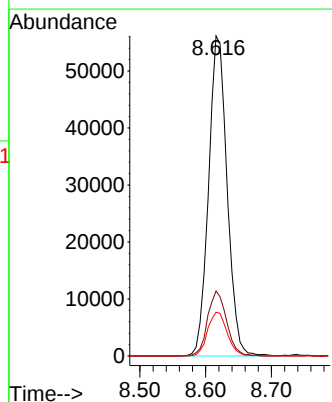
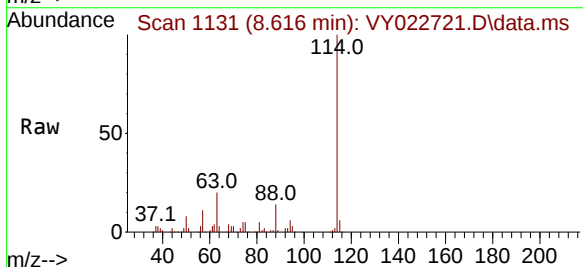
#33
1,2-Dichloroethane-d4
Concen: 52.031 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022721.D
Acq: 17 Jun 2025 14:01

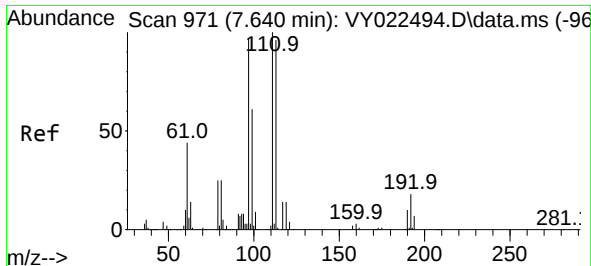
Tgt Ion: 65 Resp: 35712
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022721.D
Acq: 17 Jun 2025 14:01

Tgt Ion: 114 Resp: 110162
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 13.6 0.0 27.8





#35

Dibromofluoromethane

Concen: 52.142 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY022721.D

Acq: 17 Jun 2025 14:01

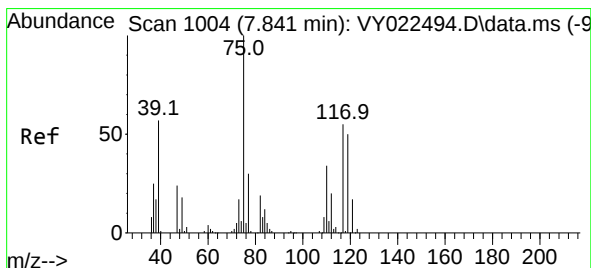
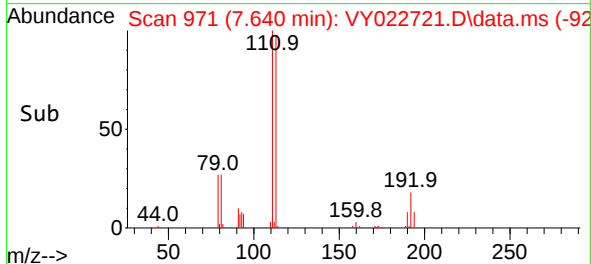
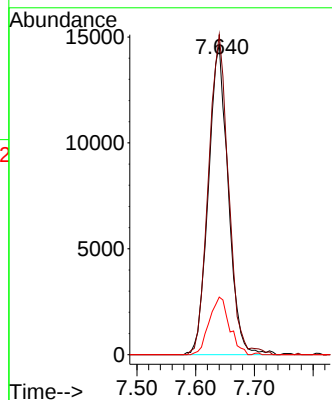
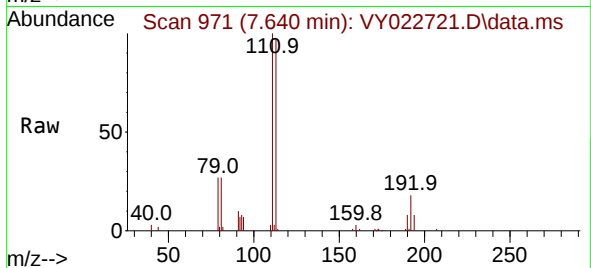
Tgt Ion:113 Resp: 34285

Ion Ratio Lower Upper

113 100

111 104.4 81.1 121.7

192 18.9 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.497 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY022721.D

Acq: 17 Jun 2025 14:01

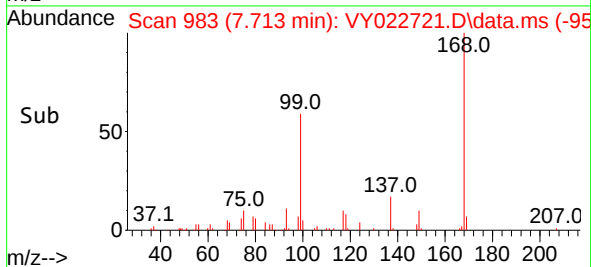
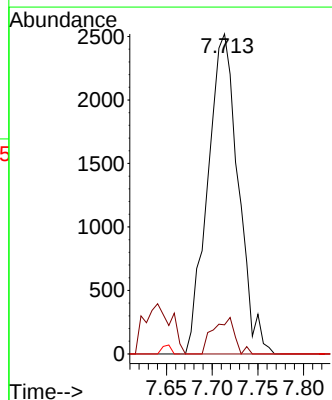
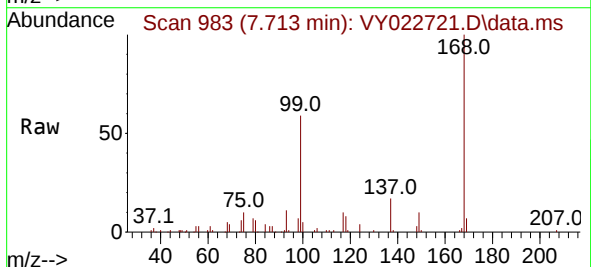
Tgt Ion: 75 Resp: 5866

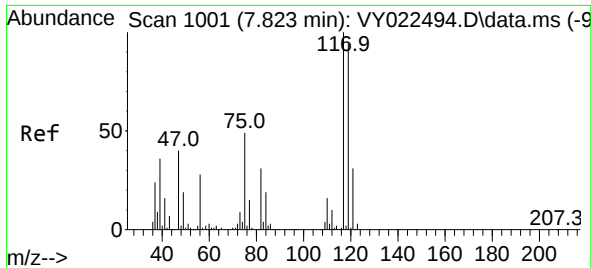
Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.7#

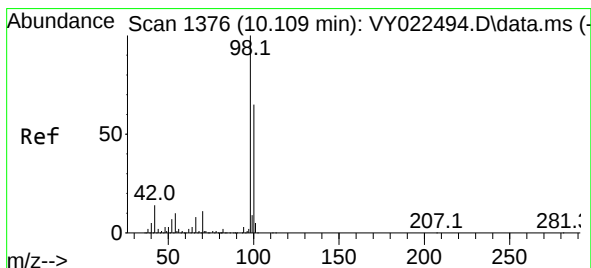
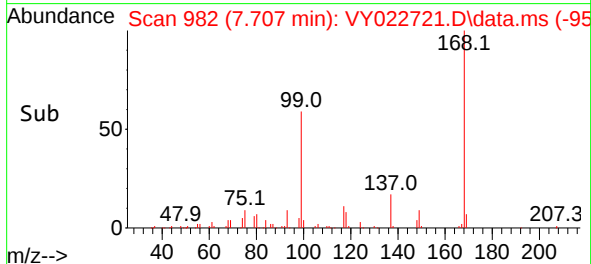
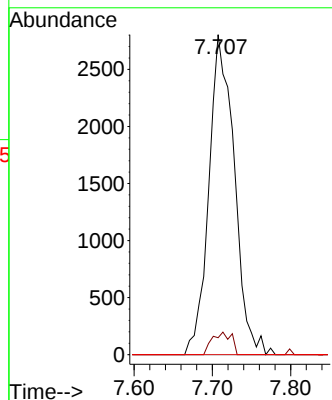
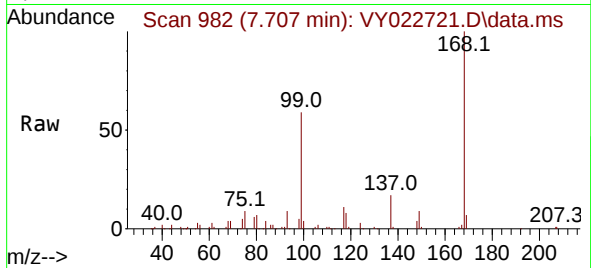
77 0.0 24.8 37.2#





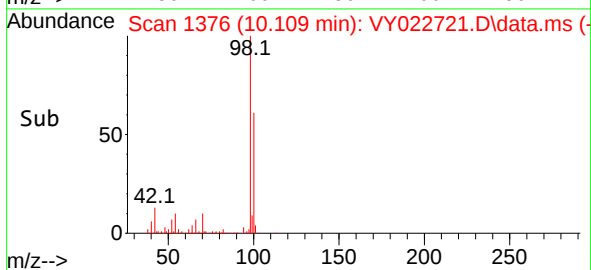
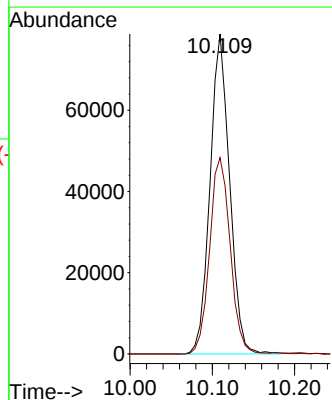
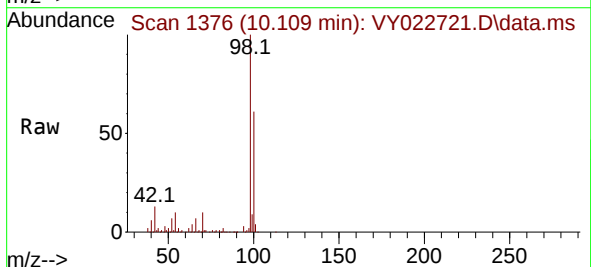
#38
Carbon Tetrachloride
Concen: 5.786 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY022721.D
Acq: 17 Jun 2025 14:01

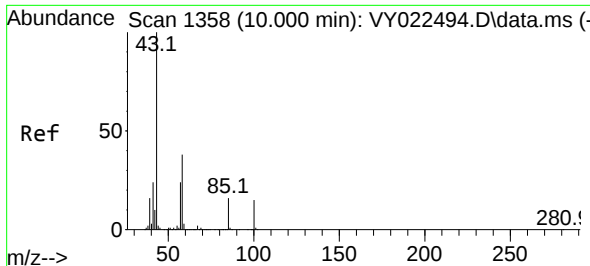
Tgt Ion:117 Resp: 6334
Ion Ratio Lower Upper
117 100
119 5.3 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.065 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022721.D
Acq: 17 Jun 2025 14:01

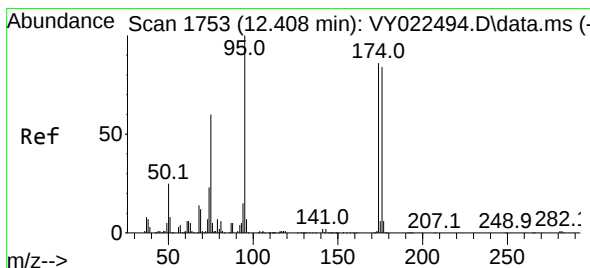
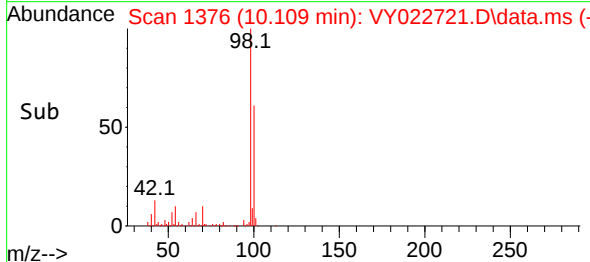
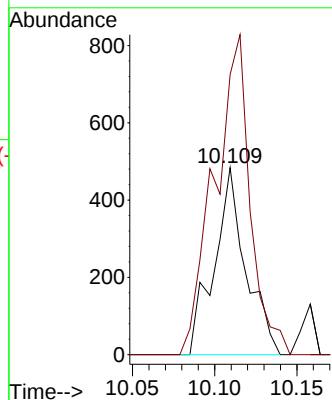
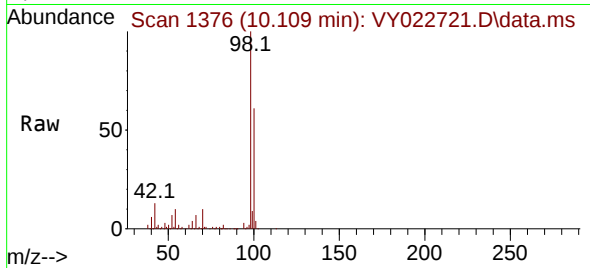
Tgt Ion: 98 Resp: 130358
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0





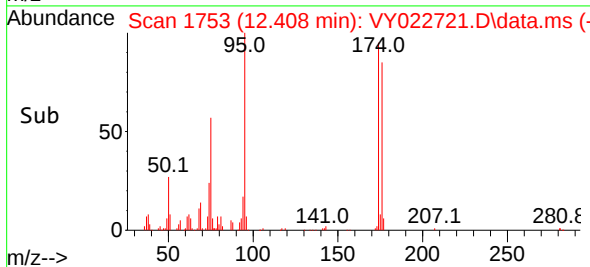
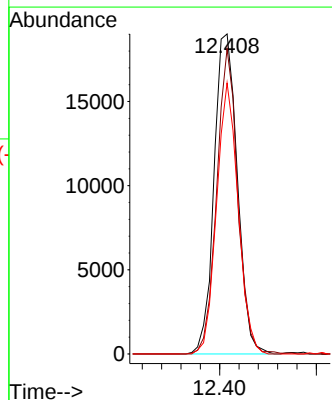
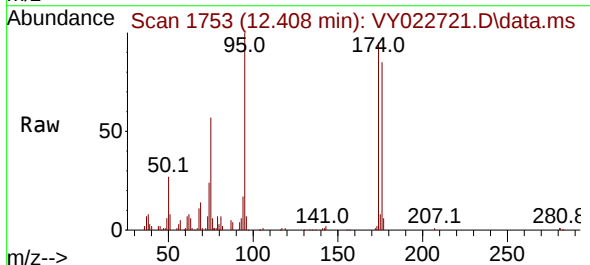
#51
4-Methyl-2-Pentanone
Concen: 1.268 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY022721.D
Acq: 17 Jun 2025 14:01

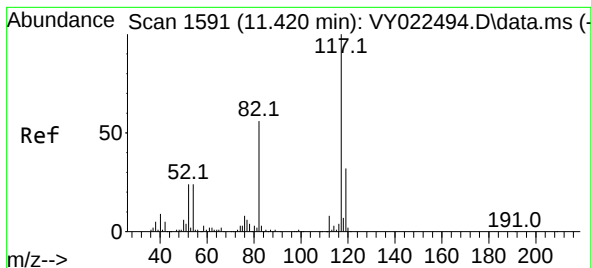
Tgt Ion: 43 Resp: 650
Ion Ratio Lower Upper
43 100
58 192.2 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 40.020 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022721.D
Acq: 17 Jun 2025 14:01

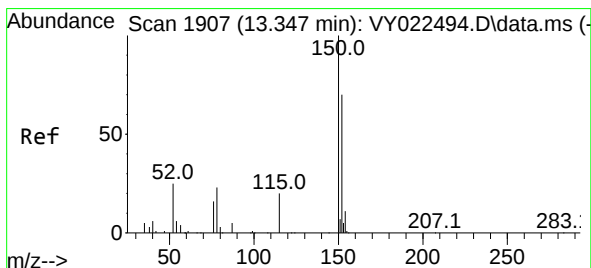
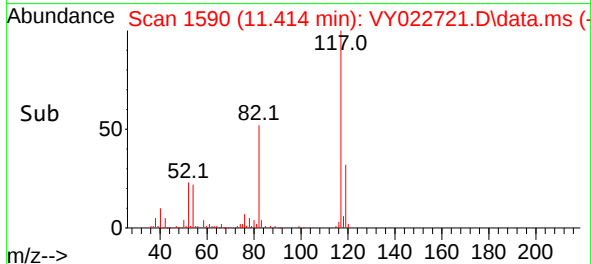
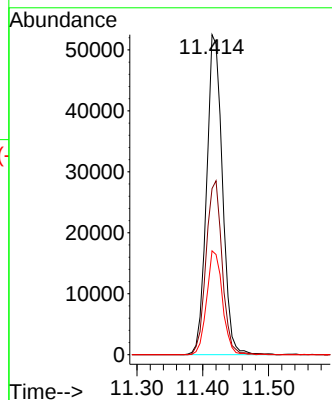
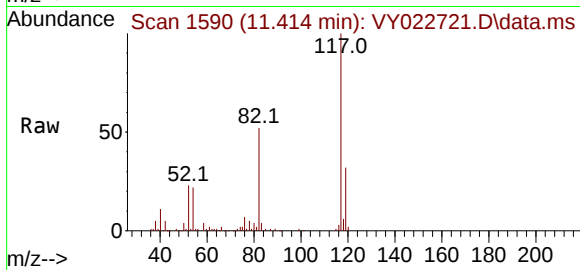
Tgt Ion: 95 Resp: 31680
Ion Ratio Lower Upper
95 100
174 86.2 0.0 170.0
176 78.4 0.0 166.2





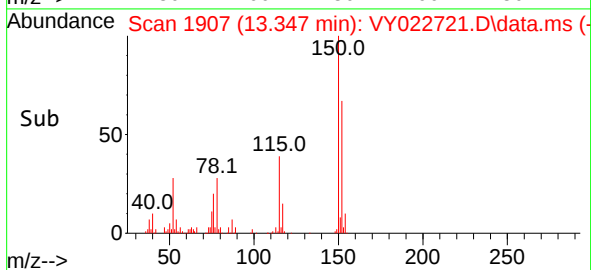
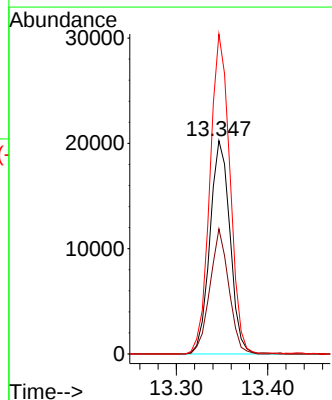
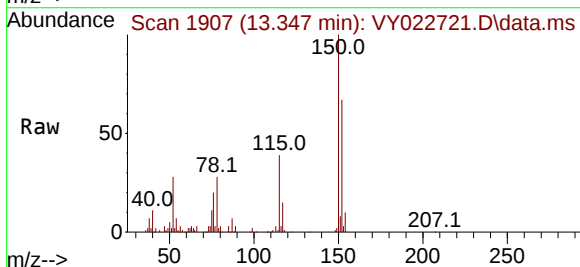
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022721.D
Acq: 17 Jun 2025 14:01

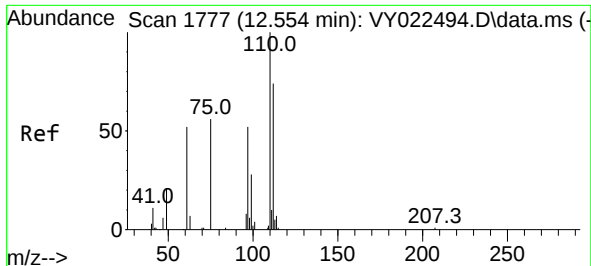
Tgt Ion:	117	Resp:	87832
Ion	Ratio	Lower	Upper
117	100		
82	51.9	44.6	66.8
119	32.5	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022721.D
Acq: 17 Jun 2025 14:01

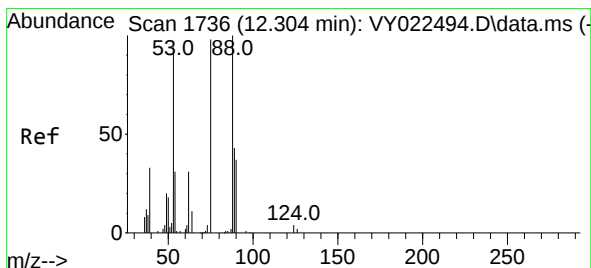
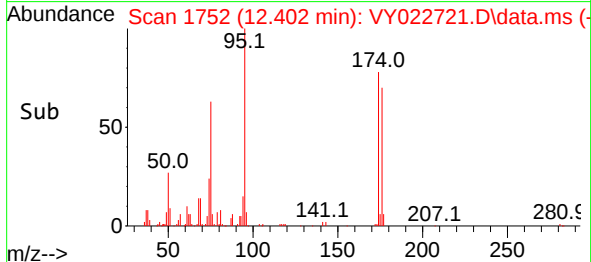
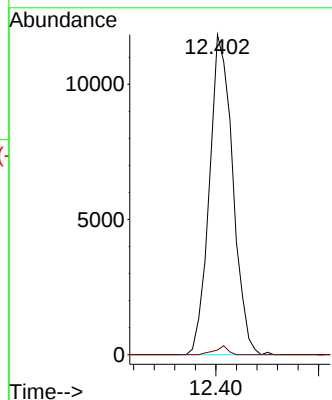
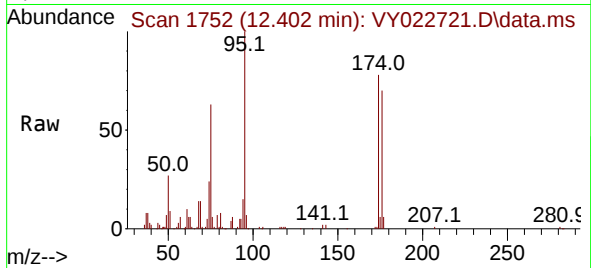
Tgt Ion:	152	Resp:	30887
Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.9	86.7
150	149.4	0.0	349.6





#76
1,2,3-Trichloropropane
Concen: 52.881 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022721.D
Acq: 17 Jun 2025 14:01

Tgt Ion: 75 Resp: 18686
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.705 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022721.D
Acq: 17 Jun 2025 14:01

Tgt Ion: 75 Resp: 18686
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.0 35.7 53.5#

