

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061725\
 Data File : VY022717.D
 Acq On : 17 Jun 2025 11:27
 Operator : SY/MD
 Sample : Q2322-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 04:39:56 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

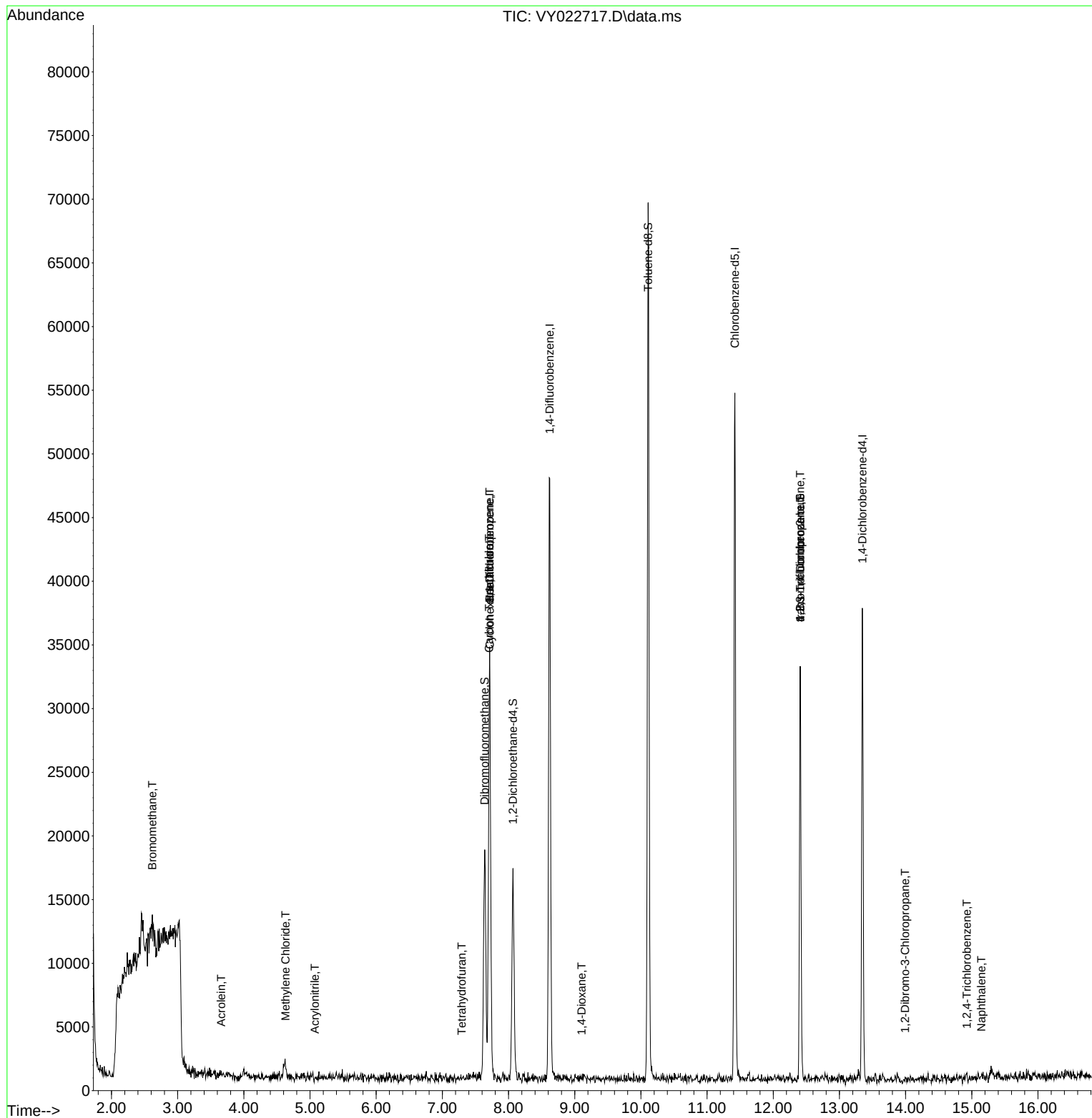
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

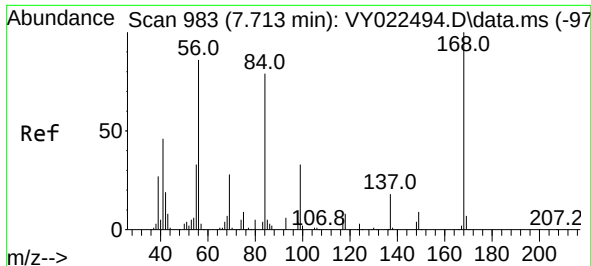
Internal Standards						
1) Pentafluorobenzene	7.713	168	23487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	39502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	27611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	8663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	11836	45.057	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.120%		
35) Dibromofluoromethane	7.640	113	12655	53.673	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.340%		
50) Toluene-d8	10.109	98	44895	47.124	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.240%		
62) 4-Bromofluorobenzene	12.408	95	9420	33.186	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	66.380%		
Target Compounds						Qvalue
5) Bromomethane	2.617	94	1586	2.296	ug/l #	55
13) Acrolein	3.659	56	54	2.309	ug/l #	14
15) Acrylonitrile	5.074	53	79	1.354	ug/l #	17
20) Methylene Chloride	4.629	84	865	2.854	ug/l #	55
29) Tetrahydrofuran	7.293	42	139	2.801	ug/l #	31
31) Cyclohexane	7.720	56	794	1.573	ug/l #	65
36) 1,1-Dichloropropene	7.713	75	2443	6.384	ug/l #	44
38) Carbon Tetrachloride	7.707	117	2697	6.870	ug/l #	17
49) 1,4-Dioxane	9.103	88	21	11.796	ug/l #	24
76) 1,2,3-Trichloropropane	12.408	75	5581	56.312	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	5581	135.991	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	13.993	75	41	2.412	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.926	180	147	1.044	ug/l #	64
95) Naphthalene	15.145	128	287	1.062	ug/l #	69

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

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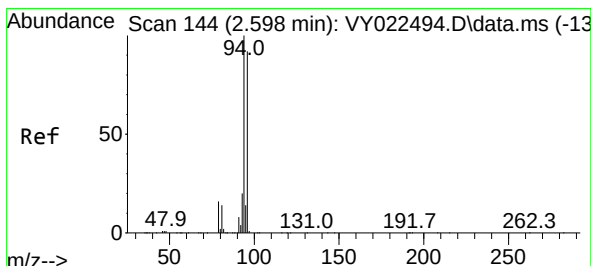
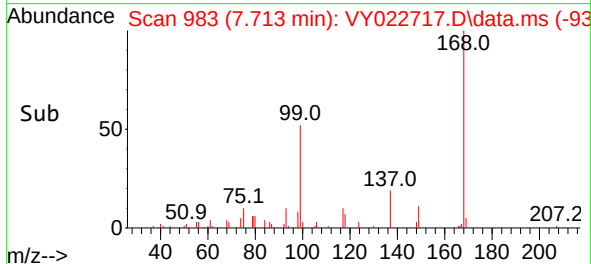
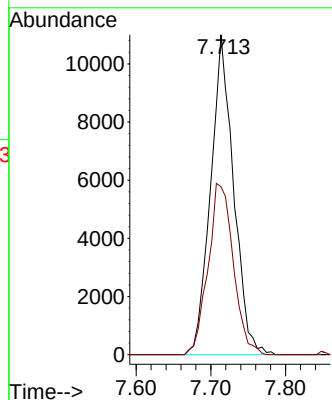
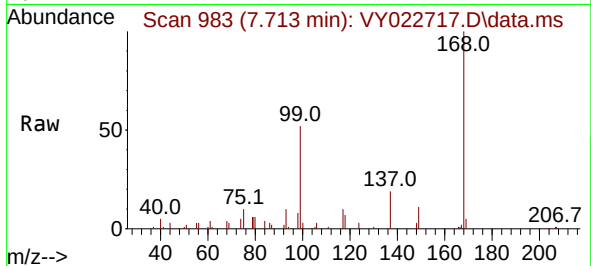
Quant Time: Jun 18 04:39:56 2025
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Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration





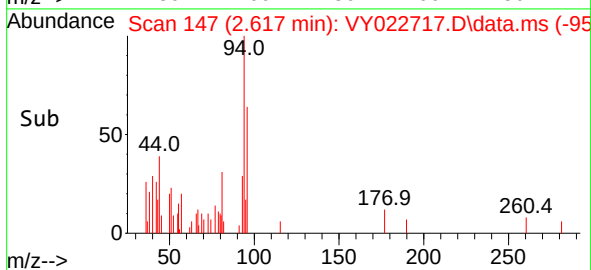
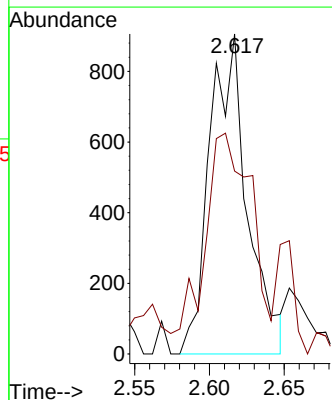
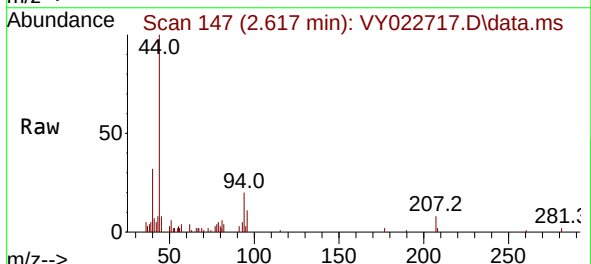
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

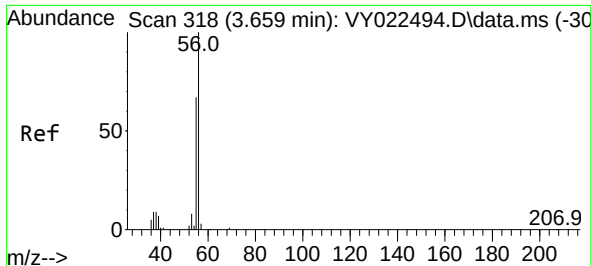
Tgt Ion:168 Resp: 23487
Ion Ratio Lower Upper
168 100
99 52.4 44.3 66.5



#5
Bromomethane
Concen: 2.296 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.018 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

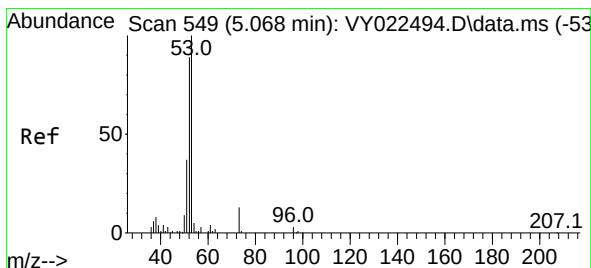
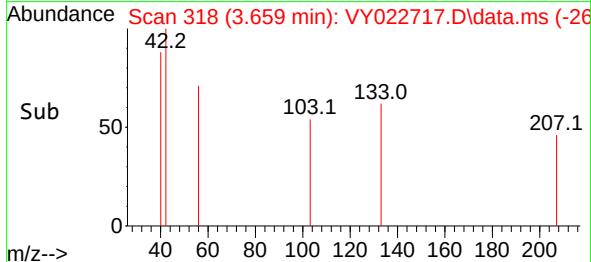
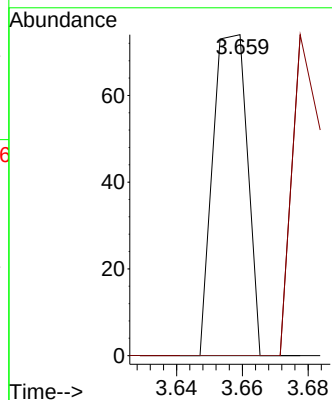
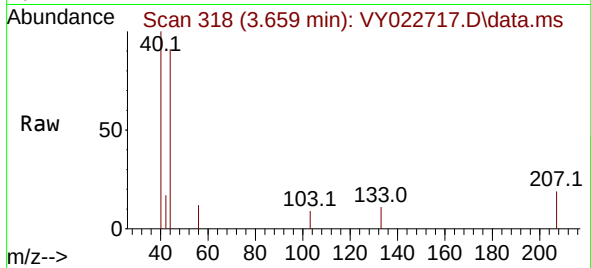
Tgt Ion: 94 Resp: 1586
Ion Ratio Lower Upper
94 100
96 49.3 74.0 111.0#





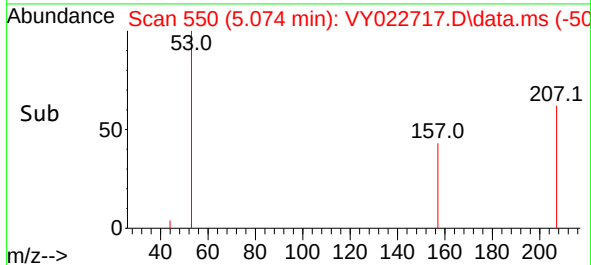
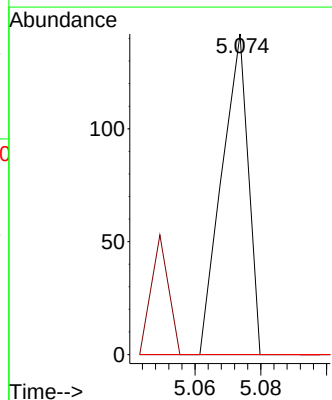
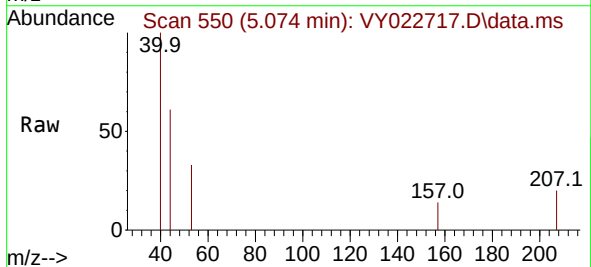
#13
Acrolein
Concen: 2.309 ug/l
RT: 3.659 min Scan# 318
Delta R.T. 0.000 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

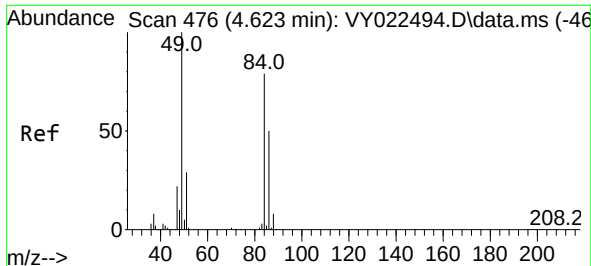
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#



#15
Acrylonitrile
Concen: 1.354 ug/l
RT: 5.074 min Scan# 550
Delta R.T. 0.006 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

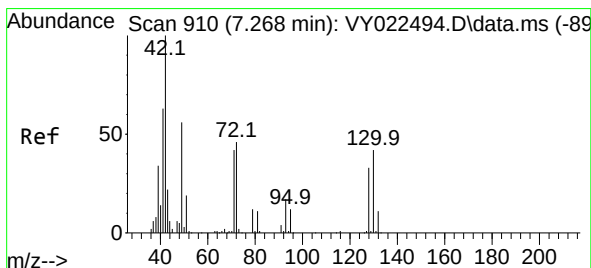
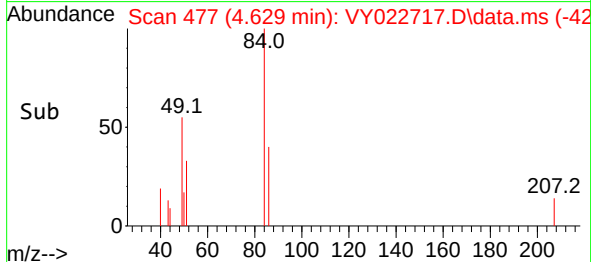
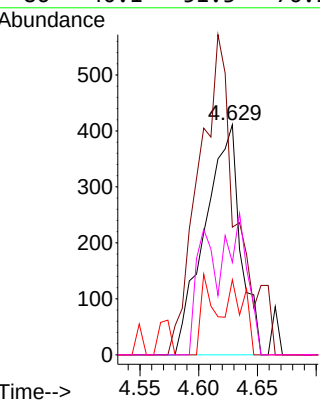
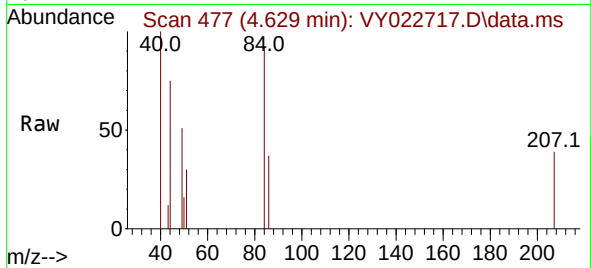
Tgt Ion: 53 Resp: 79
Ion Ratio Lower Upper
53 100
52 0.0 65.7 98.5#
51 0.0 30.1 45.1#





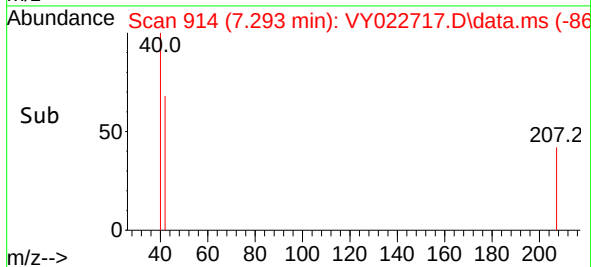
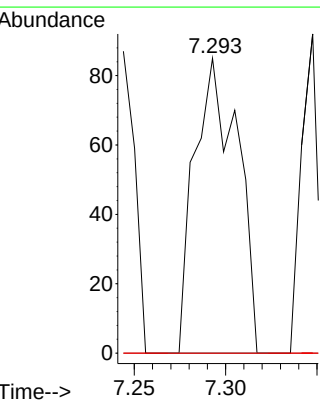
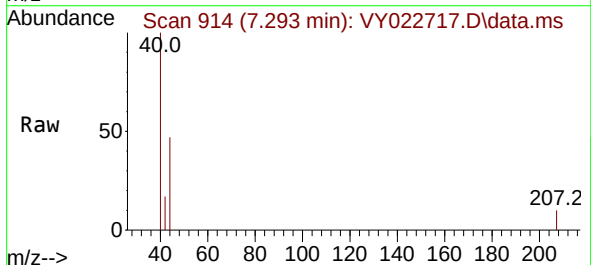
#20
Methylene Chloride
Concen: 2.854 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

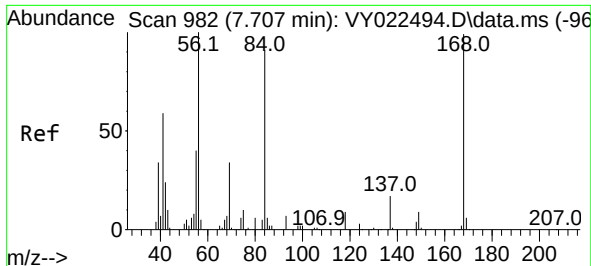
Tgt Ion:	84	Resp:	865
Ion	Ratio	Lower	Upper
84	100		
49	55.5	101.9	152.9#
51	32.6	29.8	44.8
86	40.1	51.3	76.9#



#29
Tetrahydrofuran
Concen: 2.801 ug/l
RT: 7.293 min Scan# 914
Delta R.T. 0.024 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

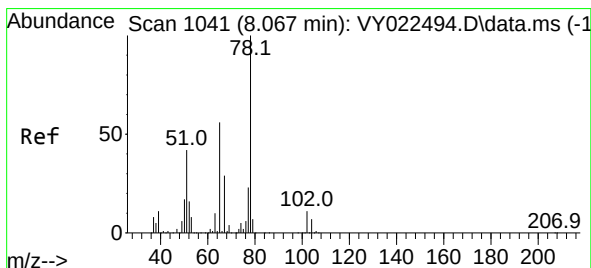
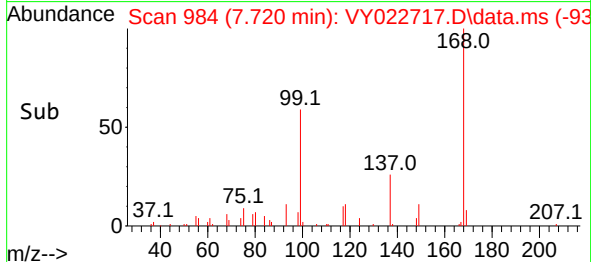
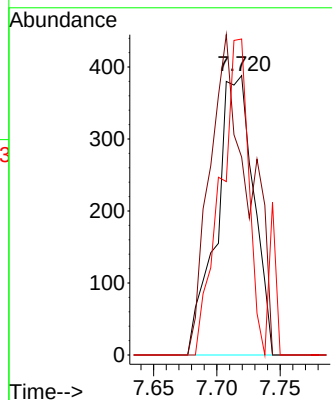
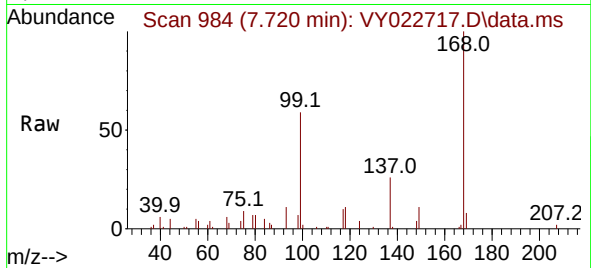
Tgt Ion:	42	Resp:	139
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.4	56.2#
71	0.0	34.2	51.2#





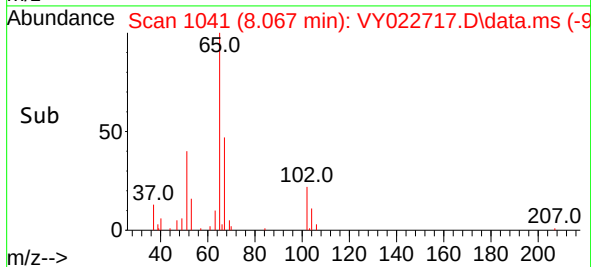
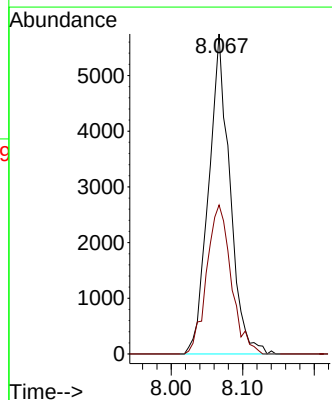
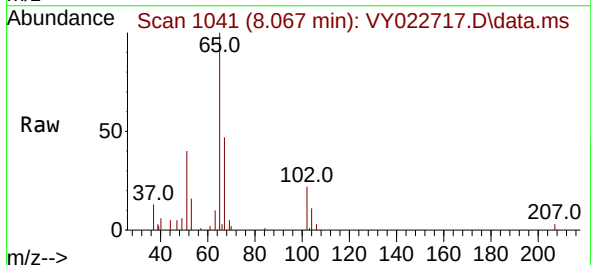
#31
Cyclohexane
Concen: 1.573 ug/l
RT: 7.720 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

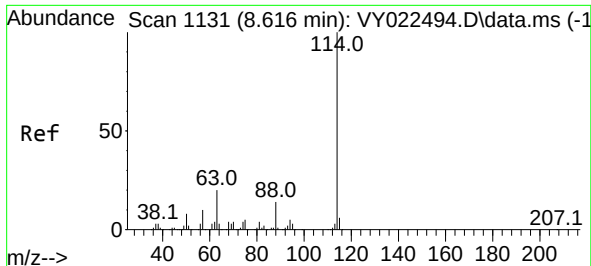
Tgt Ion: 56 Resp: 794
Ion Ratio Lower Upper
56 100
69 70.9 27.0 40.6#
84 113.1 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 45.057 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

Tgt Ion: 65 Resp: 11836
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

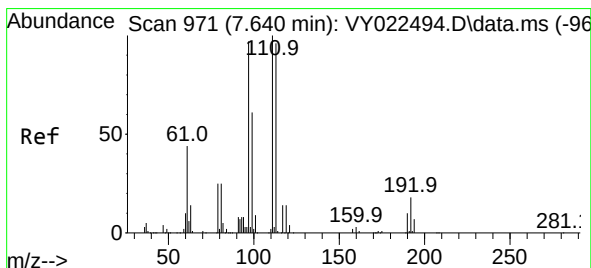
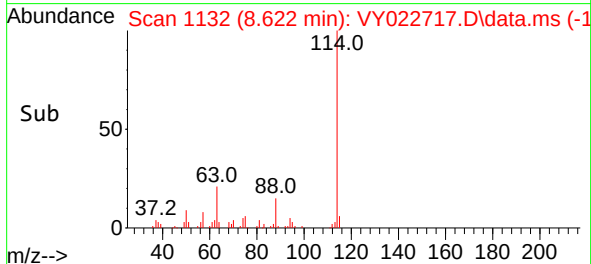
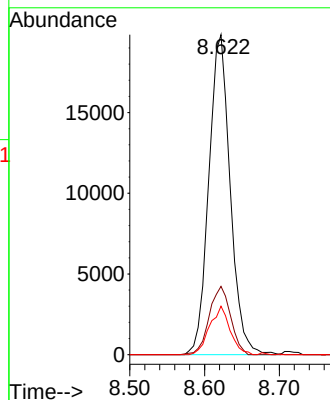
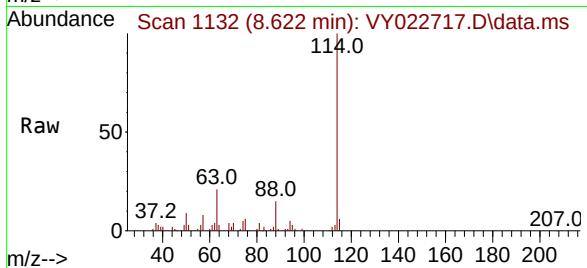
RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022717.D

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Tgt Ion:	114	Resp:	39502
Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	40.8
88	15.2	0.0	27.8



#35

Dibromofluoromethane

Concen: 53.673 ug/l

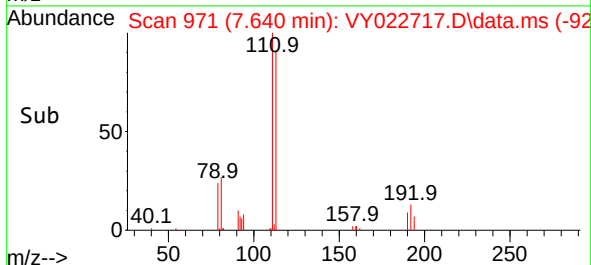
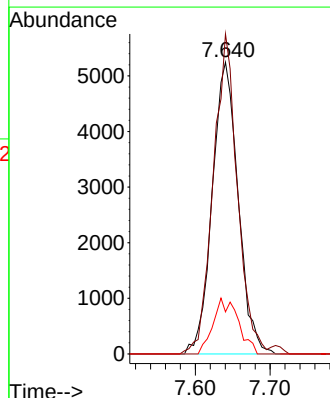
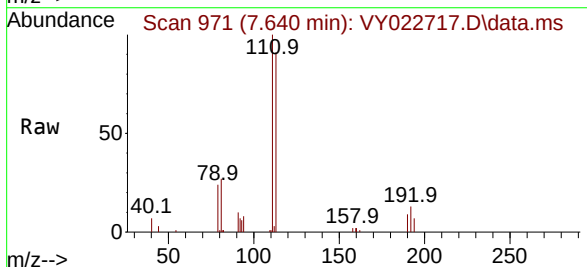
RT: 7.640 min Scan# 971

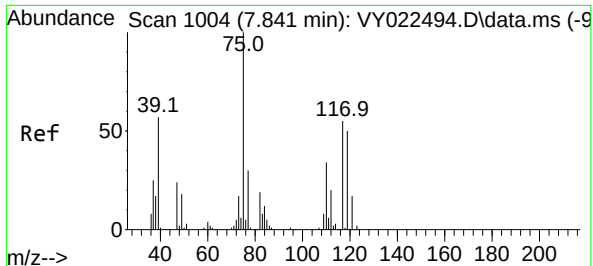
Delta R.T. 0.000 min

Lab File: VY022717.D

Acq: 17 Jun 2025 11:27

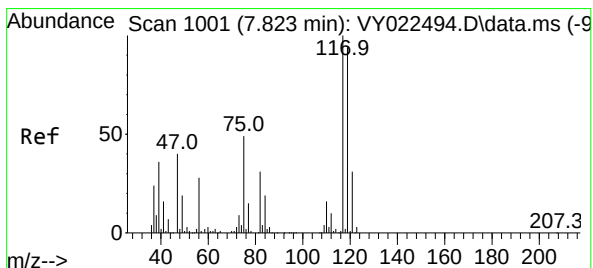
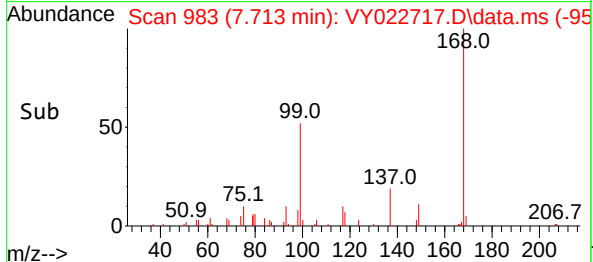
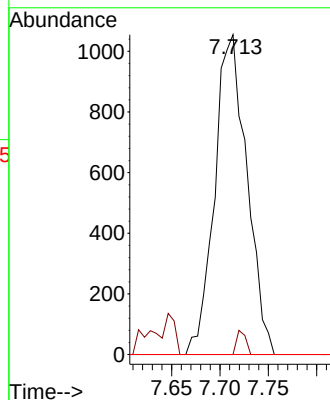
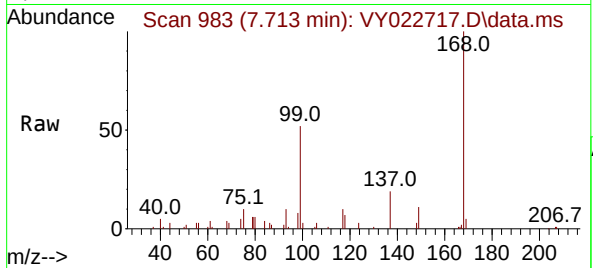
Tgt Ion:	113	Resp:	12655
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.1	121.7
192	18.5	14.2	21.2





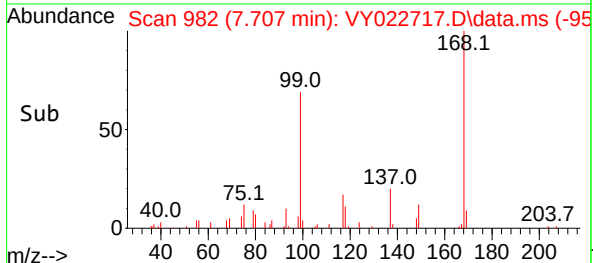
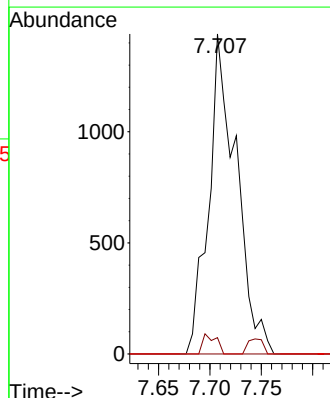
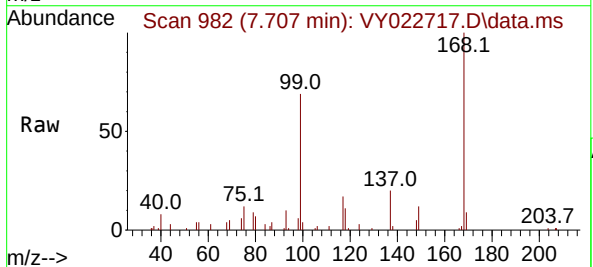
#36
1,1-Dichloropropene
Concen: 6.384 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

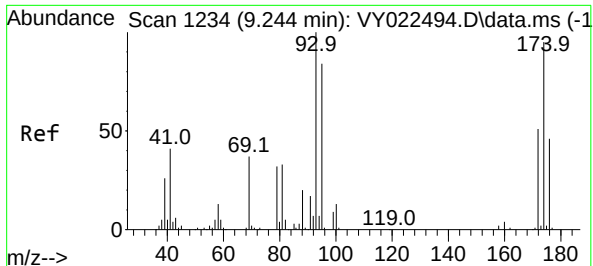
Tgt Ion: 75 Resp: 2443
Ion Ratio Lower Upper
75 100
110 2.1 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.870 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

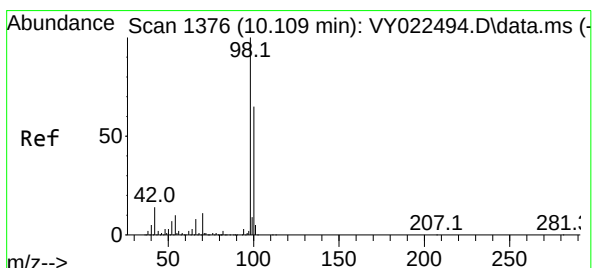
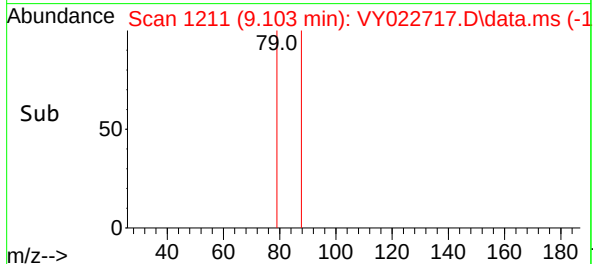
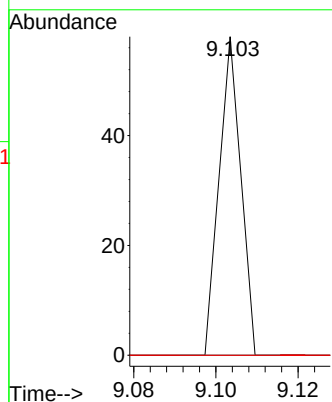
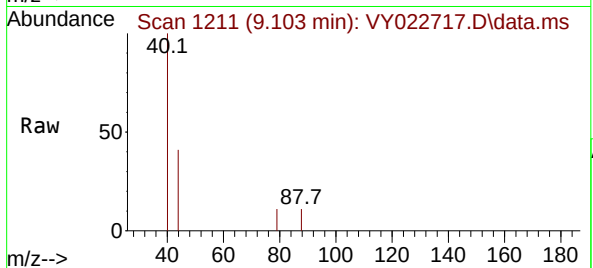
Tgt Ion: 117 Resp: 2697
Ion Ratio Lower Upper
117 100
119 5.1 75.0 112.6#
121 0.0 25.0 37.4#





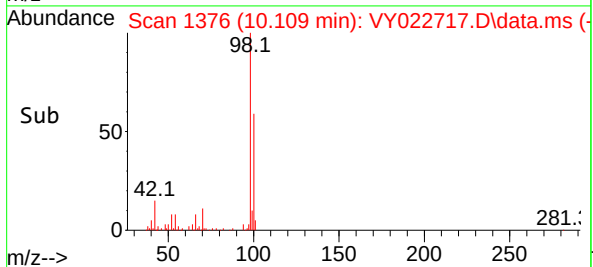
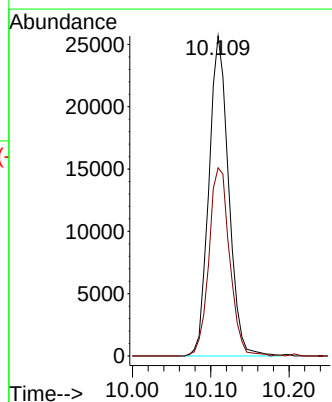
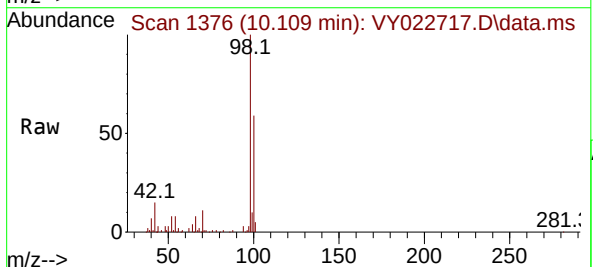
#49
1,4-Dioxane
Concen: 11.796 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.140 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

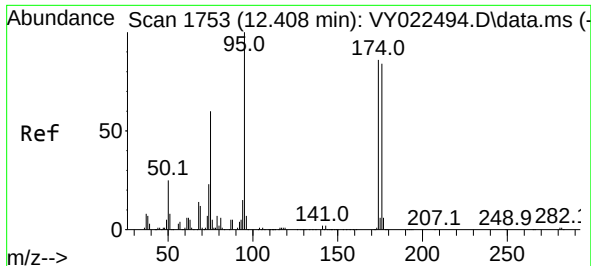
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.2#
58 0.0 54.9 82.3#



#50
Toluene-d8
Concen: 47.124 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

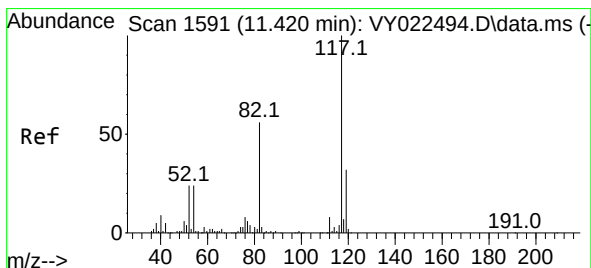
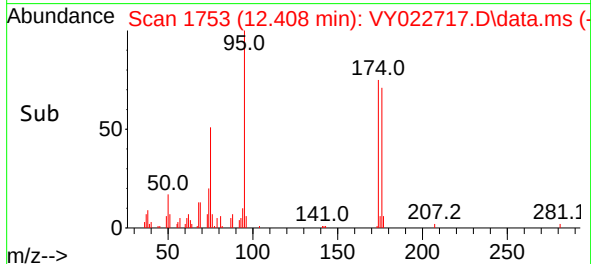
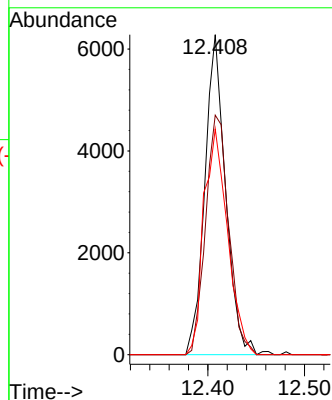
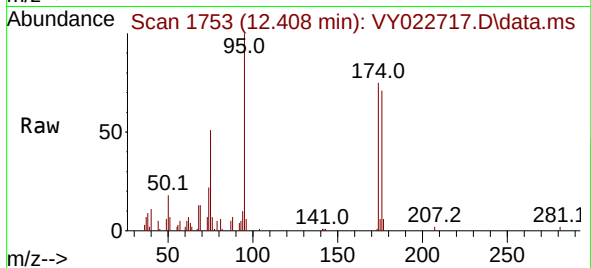
Tgt Ion: 98 Resp: 44895
Ion Ratio Lower Upper
98 100
100 61.9 51.4 77.0





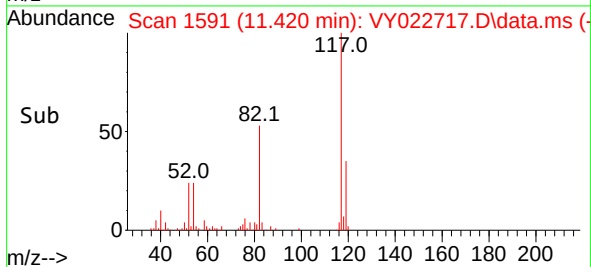
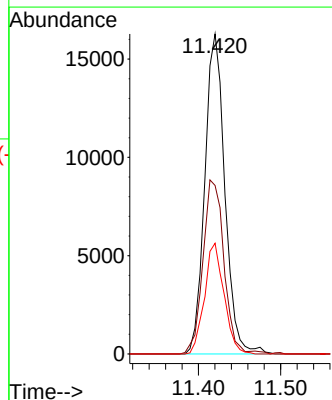
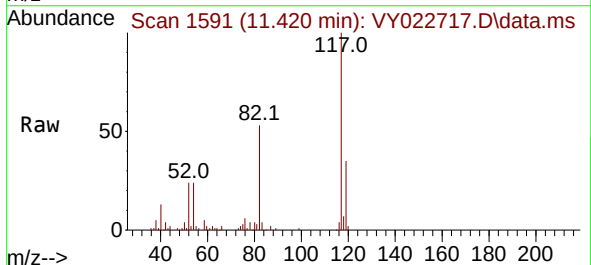
#62
4-Bromofluorobenzene
Concen: 33.186 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

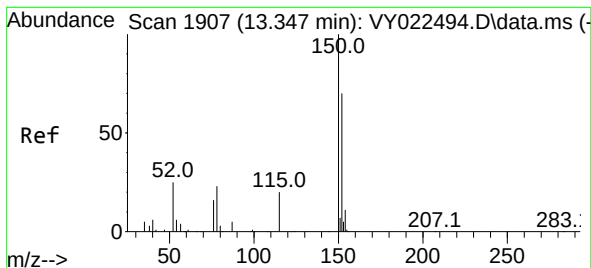
Tgt Ion: 95 Resp: 9420
Ion Ratio Lower Upper
95 100
174 83.0 0.0 170.0
176 80.2 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

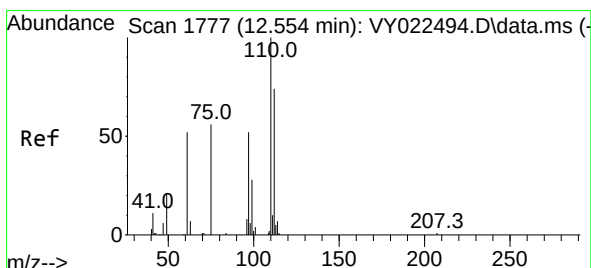
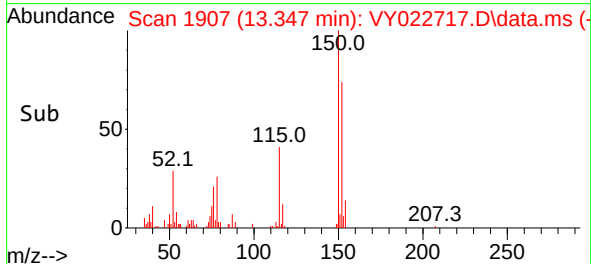
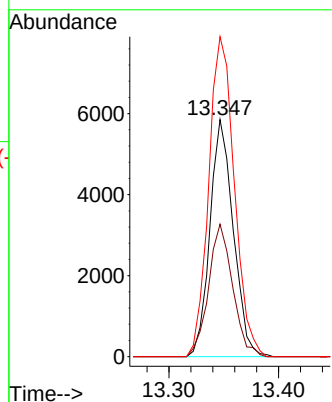
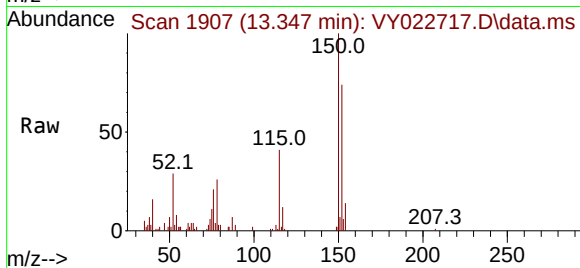
Tgt Ion: 117 Resp: 27611
Ion Ratio Lower Upper
117 100
82 52.6 44.6 66.8
119 34.6 25.4 38.0





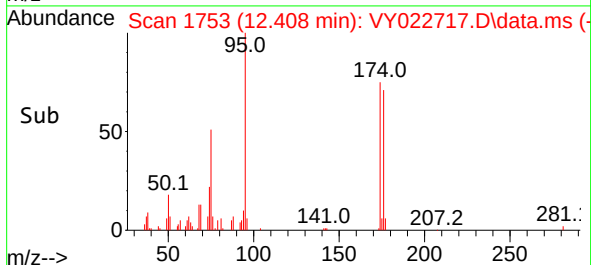
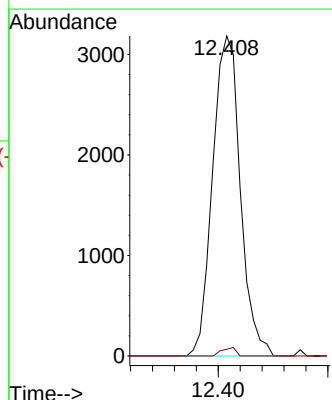
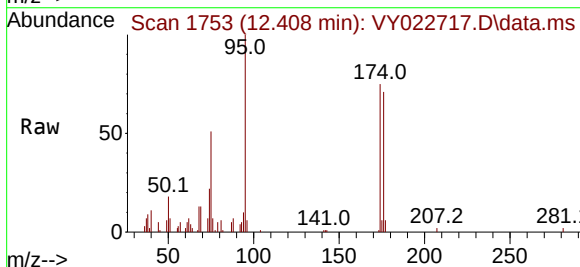
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022717.D
 Acq: 17 Jun 2025 11:27

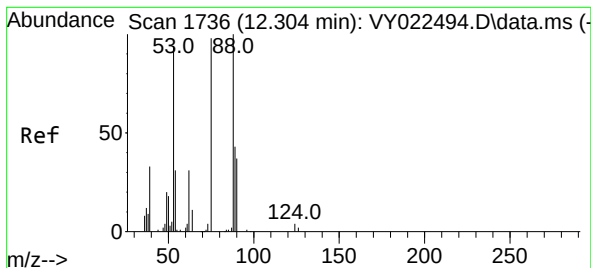
Tgt Ion:152 Resp: 8663
 Ion Ratio Lower Upper
 152 100
 115 57.6 28.9 86.7
 150 148.0 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 56.312 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022717.D
 Acq: 17 Jun 2025 11:27

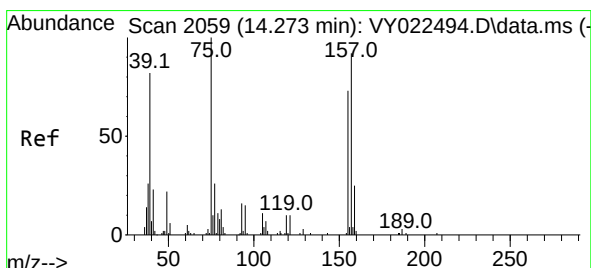
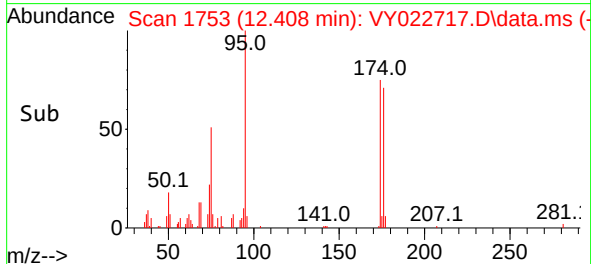
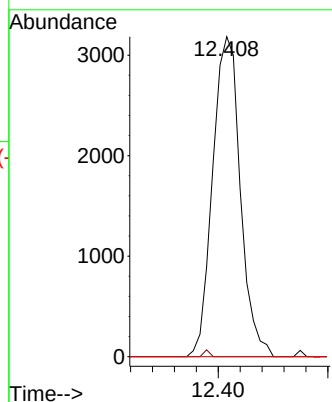
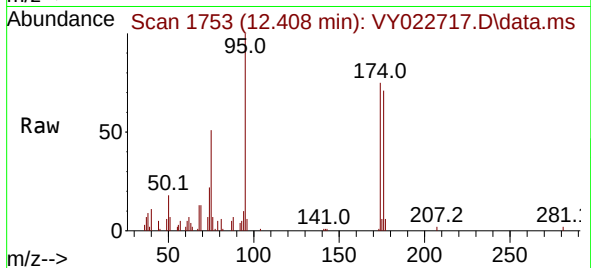
Tgt Ion: 75 Resp: 5581
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





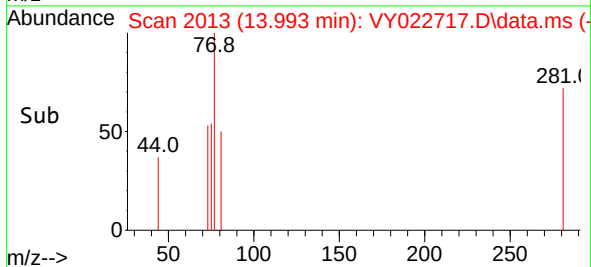
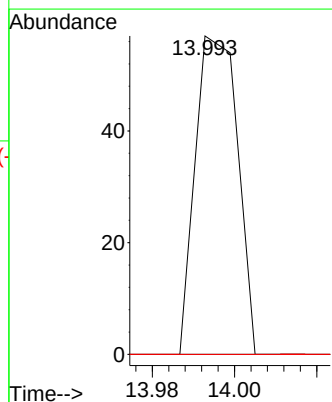
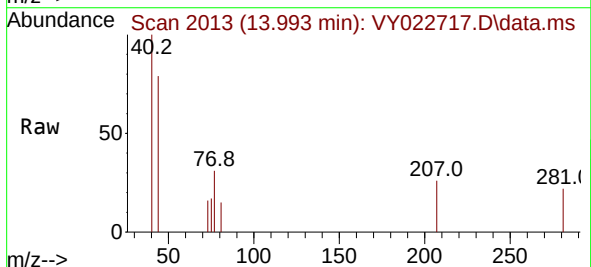
#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.991 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY022717.D
 Acq: 17 Jun 2025 11:27

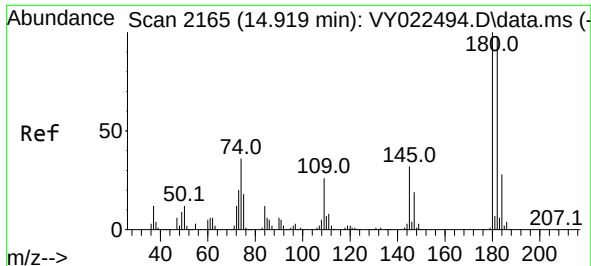
Tgt Ion: 75 Resp: 5581
 Ion Ratio Lower Upper
 75 100
 53 0.4 78.5 117.7#
 89 0.0 35.7 53.5#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.412 ug/l
 RT: 13.993 min Scan# 2013
 Delta R.T. -0.280 min
 Lab File: VY022717.D
 Acq: 17 Jun 2025 11:27

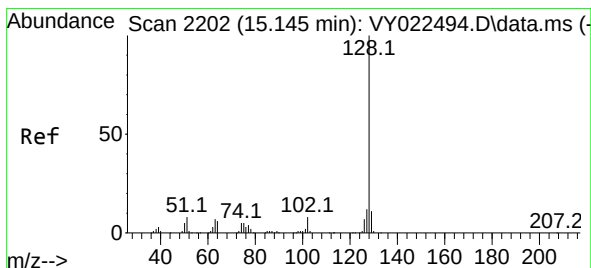
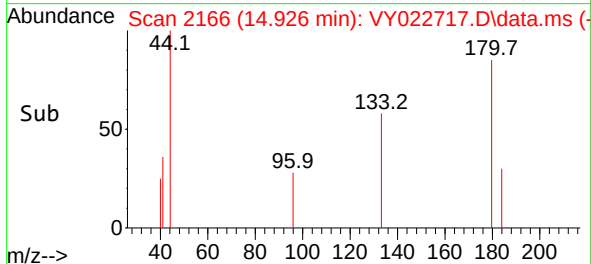
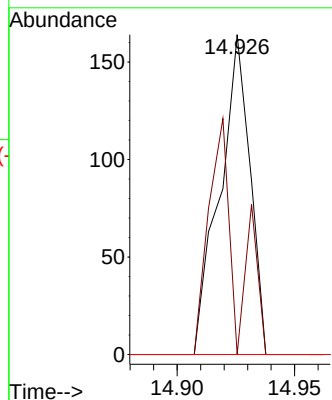
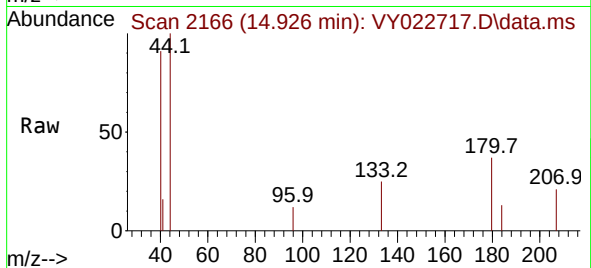
Tgt Ion: 75 Resp: 41
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.9 119.6#
 157 0.0 54.0 162.0#





#93
1,2,4-Trichlorobenzene
Concen: 1.044 ug/l
RT: 14.926 min Scan# 2166
Delta R.T. 0.006 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

Tgt Ion:180 Resp: 147
Ion Ratio Lower Upper
180 100
182 68.0 48.4 145.3
145 0.0 15.5 46.5#



#95
Naphthalene
Concen: 1.062 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY022717.D
Acq: 17 Jun 2025 11:27

Tgt Ion:128 Resp: 287
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.9 13.3#

