

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011425\
 Data File : VY020814.D
 Acq On : 14 Jan 2025 11:24
 Operator : SY/MD
 Sample : Q1068-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 03:27:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

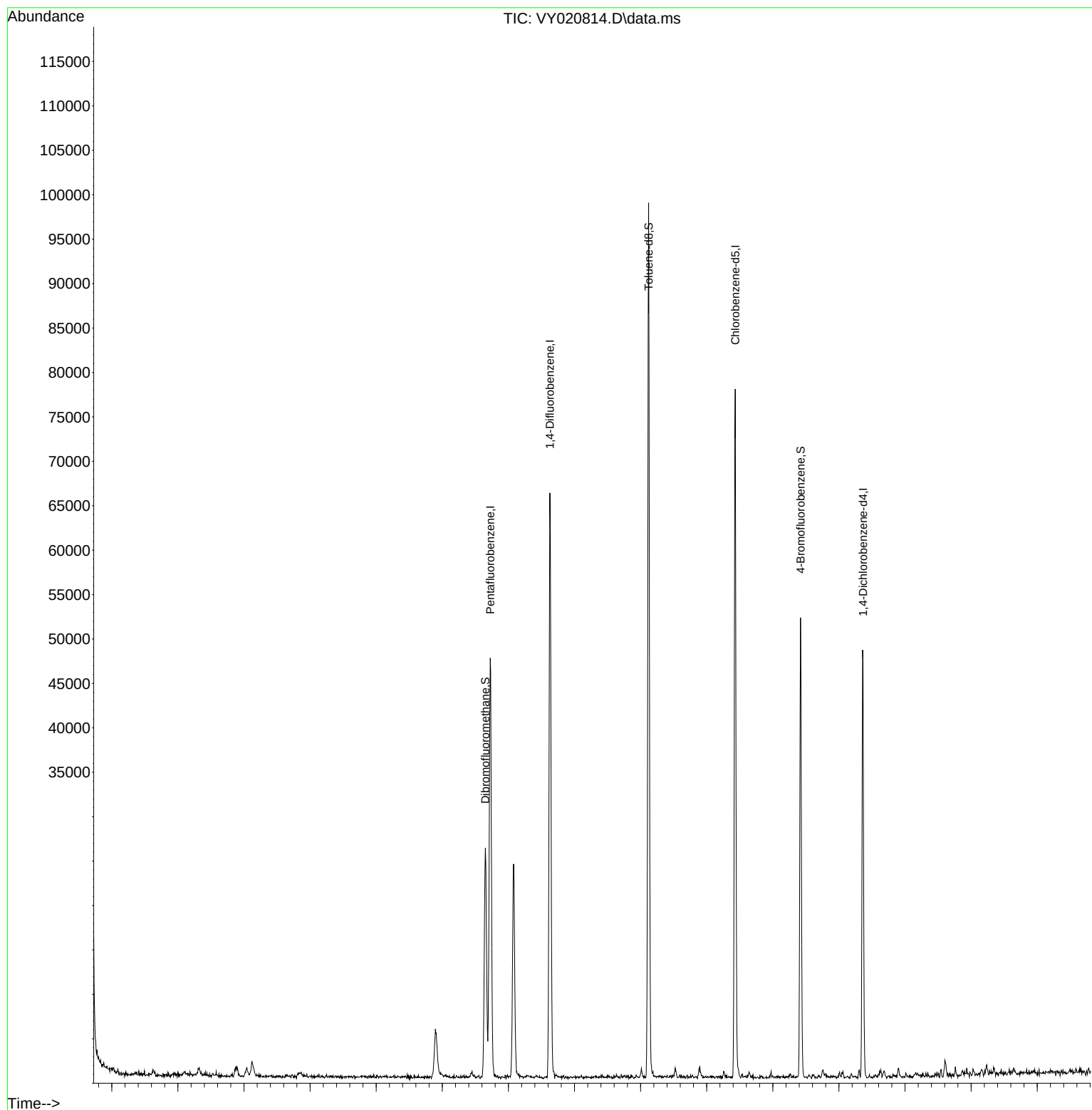
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

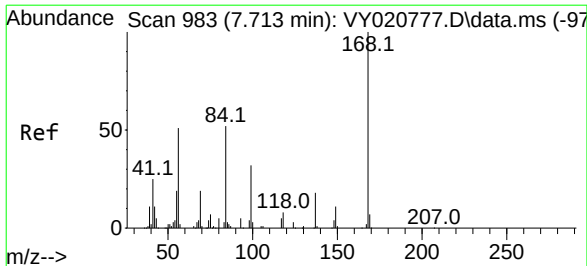
Internal Standards						
1) Pentafluorobenzene	7.725	168	38537	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.627	114	59940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.432	117	45080	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.364	152	13327	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	20243	61.801	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.600%
35) Dibromofluoromethane	7.652	113	19065	50.770	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.540%
50) Toluene-d8	10.121	98	65788	50.256	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.520%
62) 4-Bromofluorobenzene	12.419	95	16293	33.704	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	67.400%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.043	142	1399	3.805	ug/l	96
16) Acetone	3.884	43	2116	45.429	ug/l	94
51) 4-Methyl-2-Pentanone	10.017	43	720	3.717	ug/l #	85
93) 1,2,4-Trichlorobenzene	14.931	180	298	1.250	ug/l	95
96) 1,2,3-Trichlorobenzene	15.340	180	323	1.618	ug/l	93

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

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ALS Vial : 5 Sample Multiplier: 1

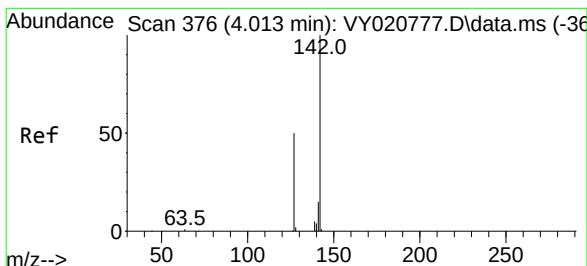
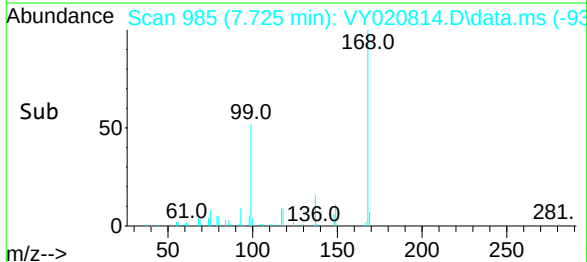
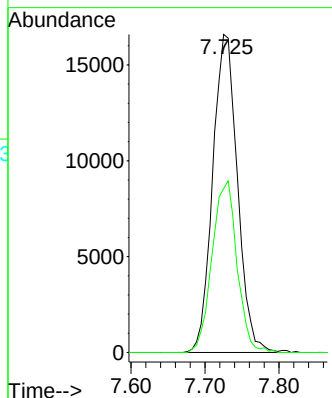
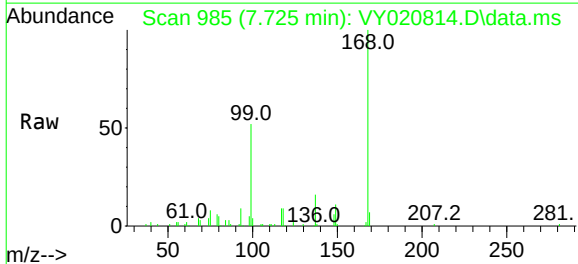
Quant Time: Jan 15 03:27:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 01:31:46 2025
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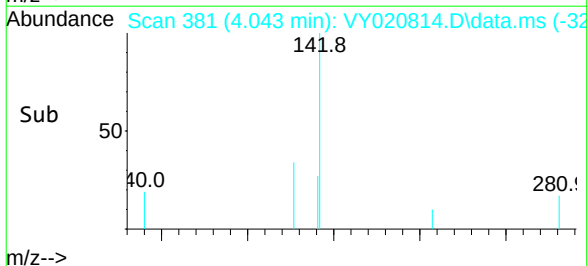
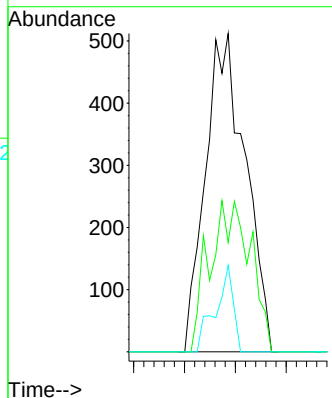
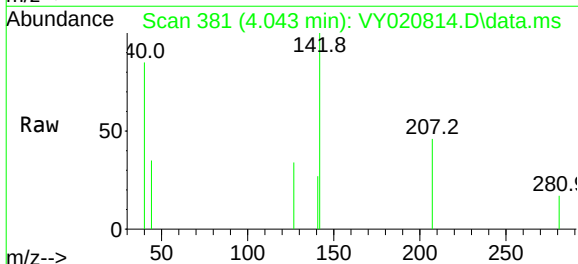
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 985
Delta R.T. 0.012 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

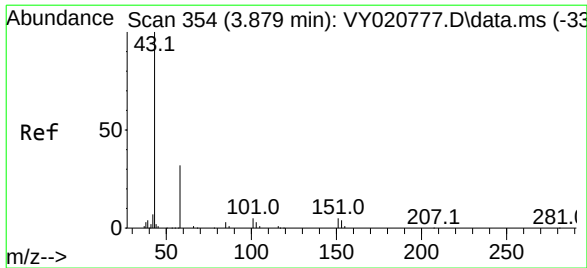
Tgt Ion:168 Resp: 38537
Ion Ratio Lower Upper
168 100
99 51.5 44.3 66.5



#10
Methyl Iodide
Concen: 3.805 ug/l
RT: 4.043 min Scan# 381
Delta R.T. 0.030 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

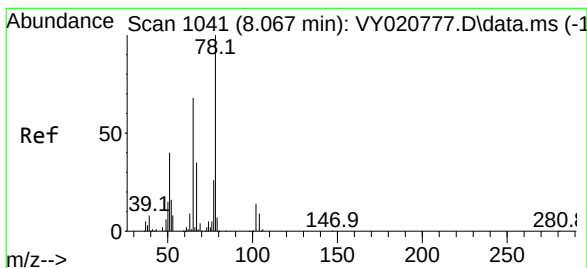
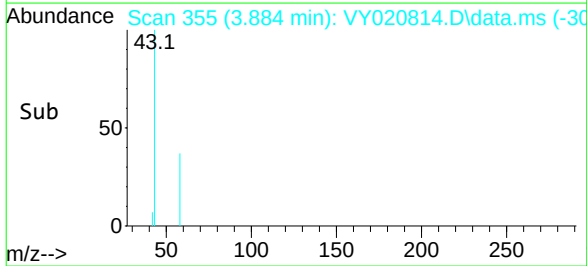
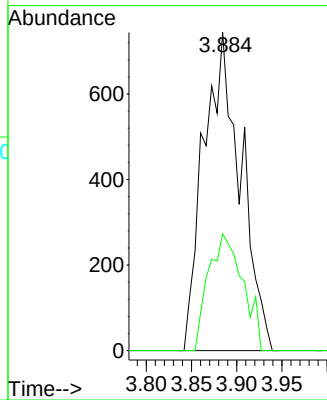
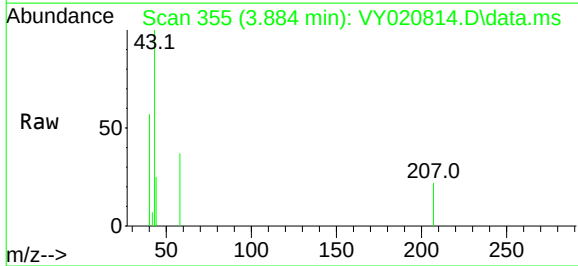
Tgt Ion:142 Resp: 1399
Ion Ratio Lower Upper
142 100
127 48.7 41.0 61.6
141 12.2 11.6 17.4





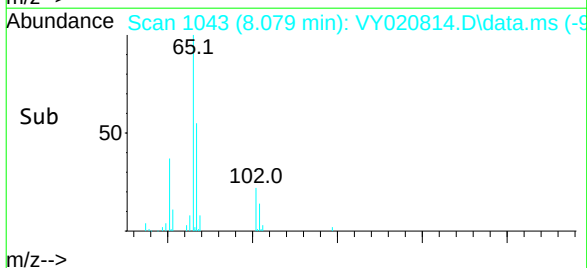
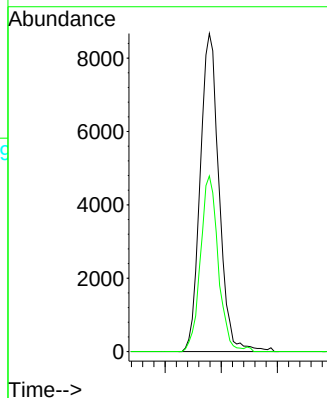
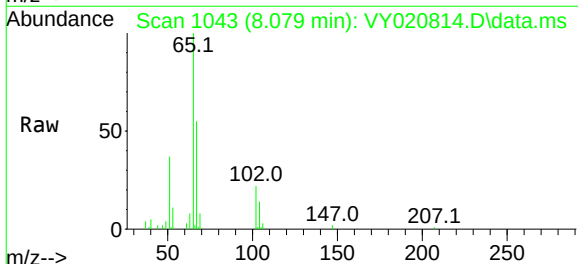
#16
Acetone
Concen: 45.429 ug/l
RT: 3.884 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

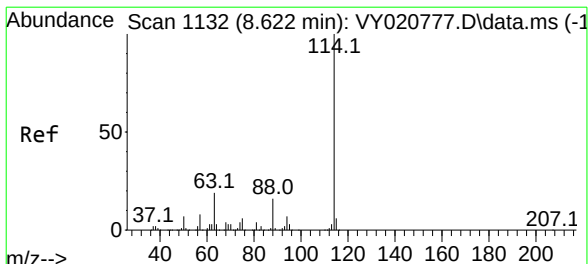
Tgt Ion: 43 Resp: 2116
Ion Ratio Lower Upper
43 100
58 36.7 26.7 40.1



#33
1,2-Dichloroethane-d4
Concen: 61.801 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

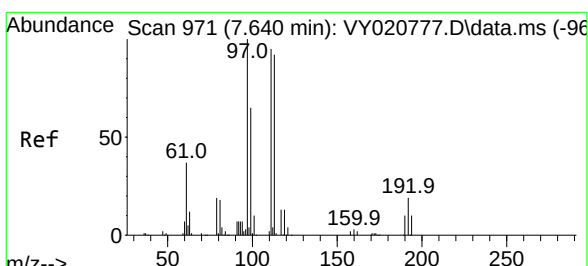
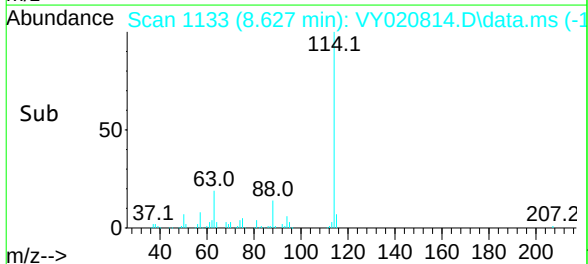
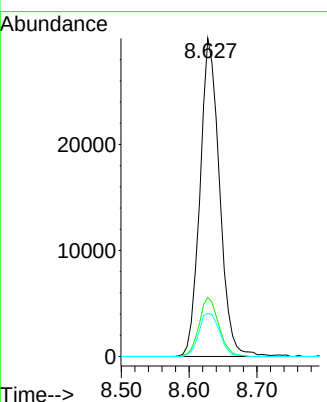
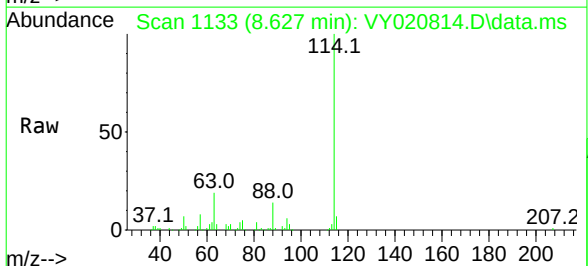
Tgt Ion: 65 Resp: 20243
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.8





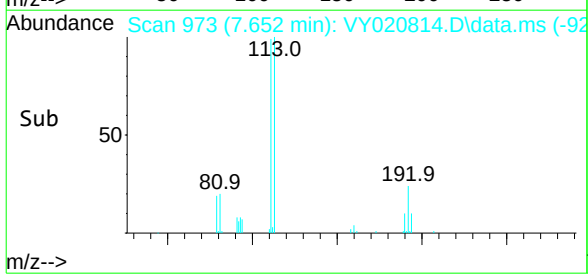
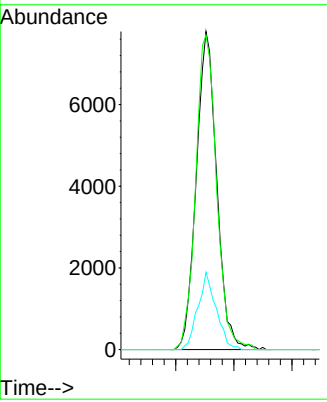
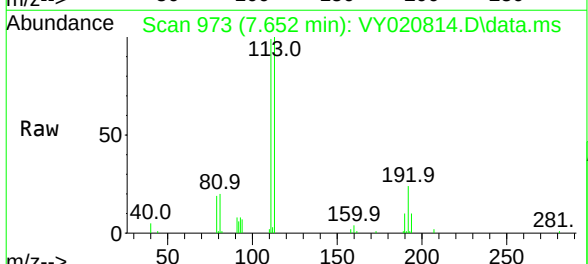
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.627 min Scan# 1133
 Delta R.T. 0.006 min
 Lab File: VY020814.D
 Acq: 14 Jan 2025 11:24

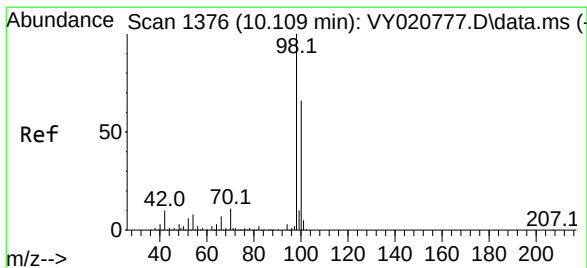
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.4
88	13.5	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 50.770 ug/l
 RT: 7.652 min Scan# 973
 Delta R.T. 0.012 min
 Lab File: VY020814.D
 Acq: 14 Jan 2025 11:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.7	122.5
192	21.7	16.7	25.1





#50

Toluene-d8

Concen: 50.256 ug/l

RT: 10.121 min Scan# 1378

Delta R.T. 0.012 min

Lab File: VY020814.D

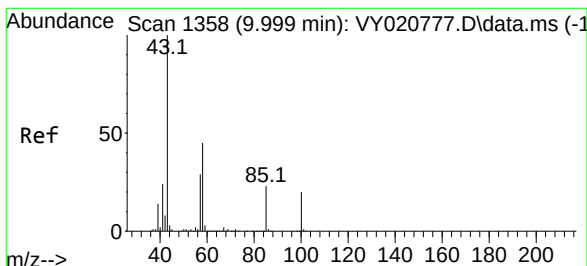
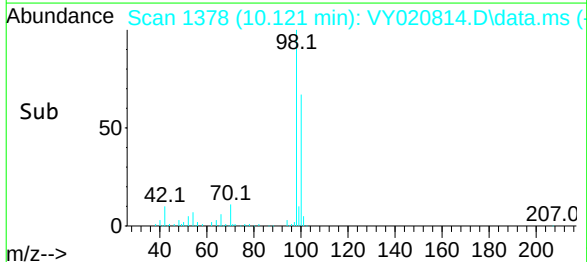
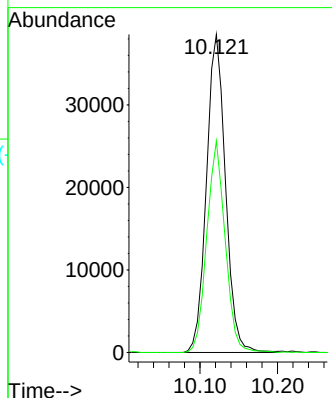
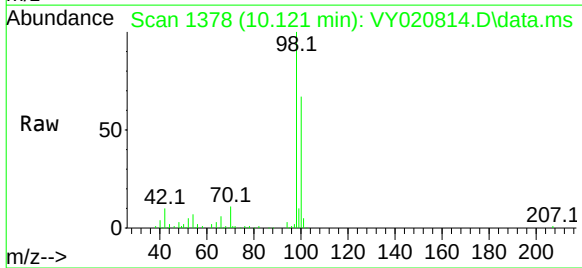
Acq: 14 Jan 2025 11:24

Tgt Ion: 98 Resp: 65788

Ion Ratio Lower Upper

98 100

100 64.4 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 3.717 ug/l

RT: 10.017 min Scan# 1361

Delta R.T. 0.018 min

Lab File: VY020814.D

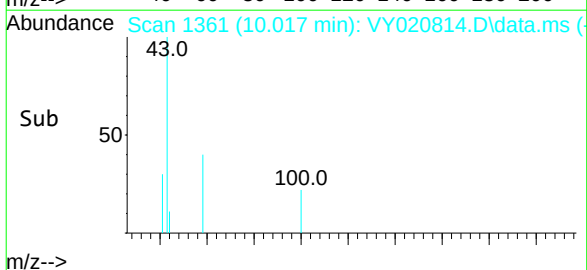
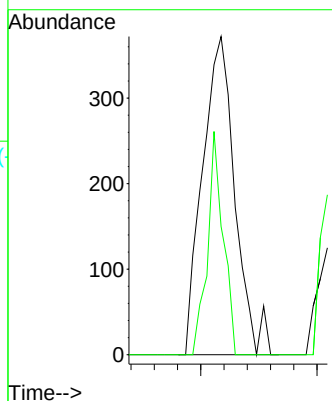
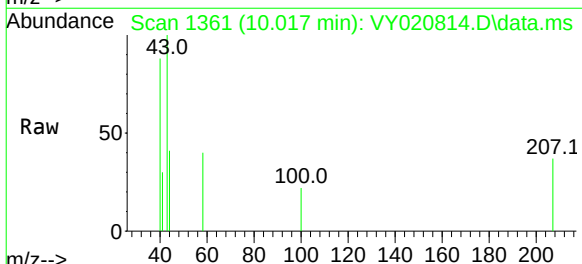
Acq: 14 Jan 2025 11:24

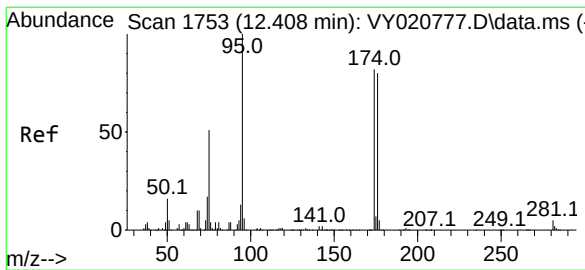
Tgt Ion: 43 Resp: 720

Ion Ratio Lower Upper

43 100

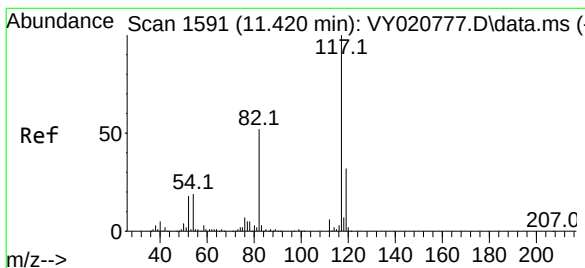
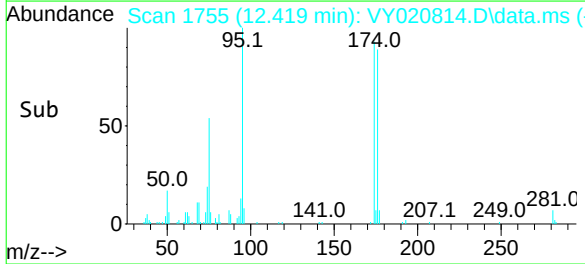
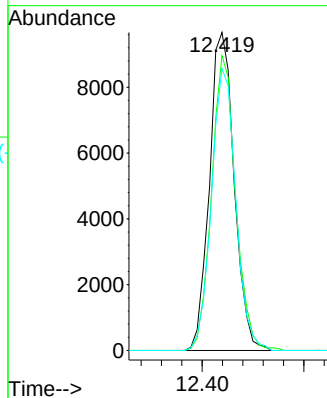
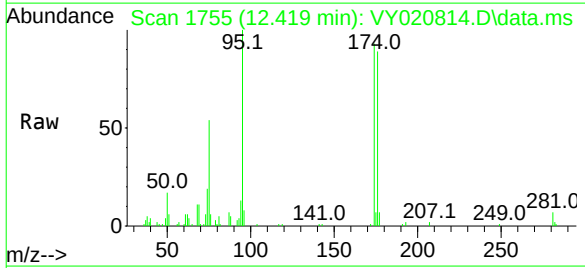
58 33.9 34.8 52.2#





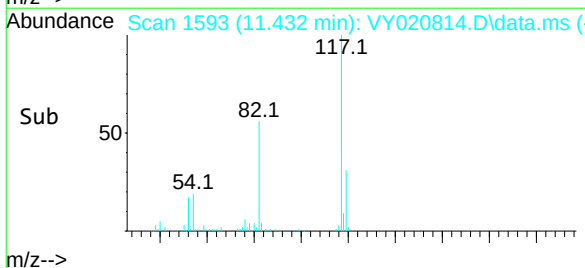
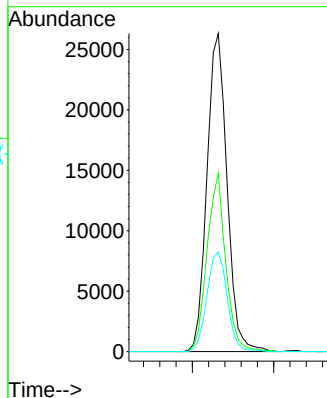
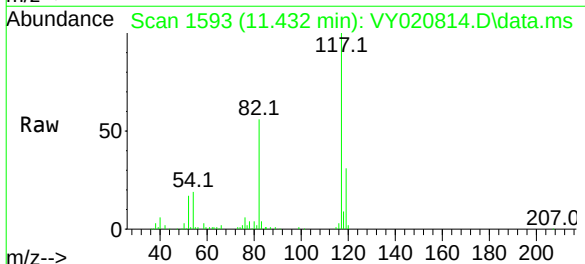
#62
4-Bromofluorobenzene
Concen: 33.704 ug/l
RT: 12.419 min Scan# 1755
Delta R.T. 0.012 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

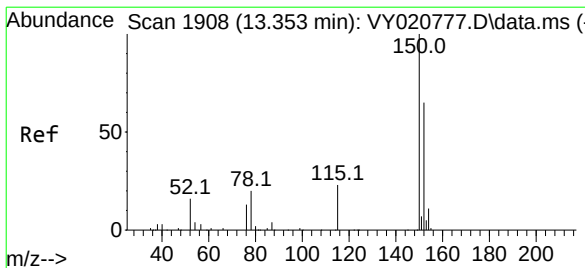
Tgt Ion:	95	Resp:	16293
Ion Ratio	Lower	Upper	
95	100		
174	90.2	0.0	178.0
176	87.2	0.0	172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.432 min Scan# 1593
Delta R.T. 0.012 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

Tgt Ion:	117	Resp:	45080
Ion Ratio	Lower	Upper	
117	100		
82	56.2	41.8	62.6
119	31.3	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

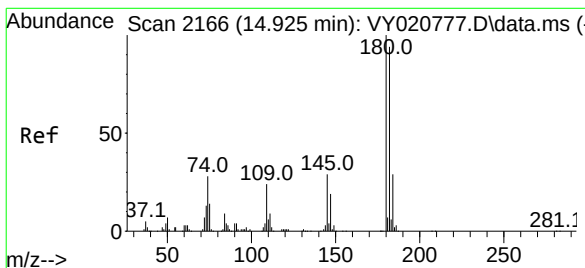
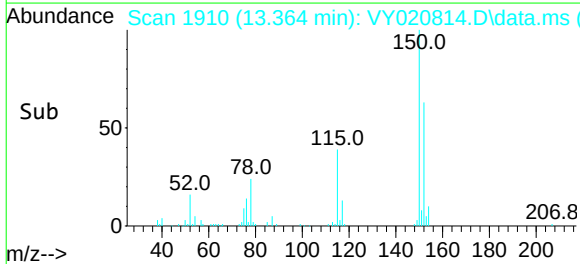
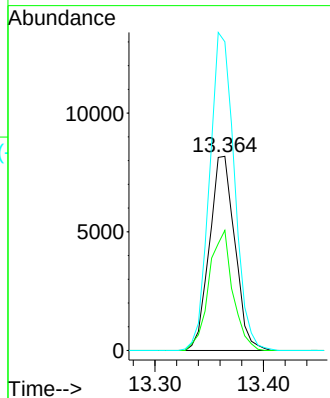
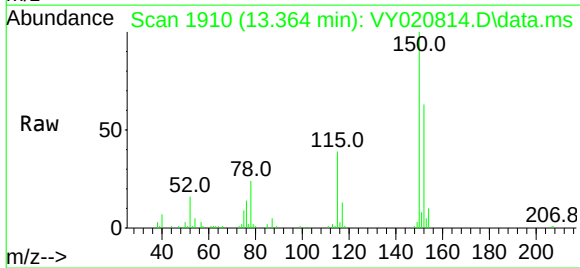
RT: 13.364 min Scan# 1910

Delta R.T. 0.012 min

Lab File: VY020814.D

Acq: 14 Jan 2025 11:24

Tgt Ion:	152	Resp:	13327
Ion Ratio	Lower	Upper	
152	100		
115	58.0	29.0	87.0
150	160.4	0.0	347.4



#93

1,2,4-Trichlorobenzene

Concen: 1.250 ug/l

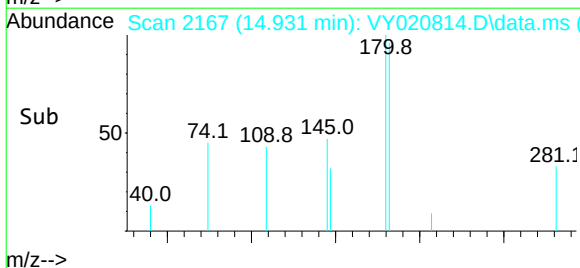
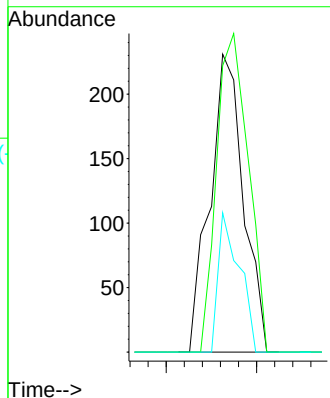
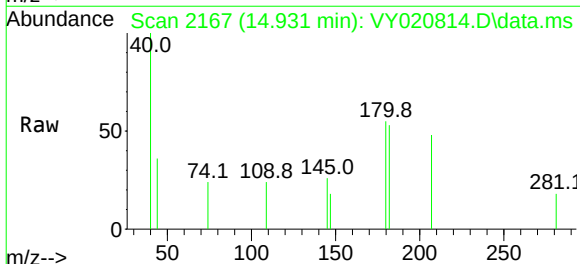
RT: 14.931 min Scan# 2167

Delta R.T. 0.006 min

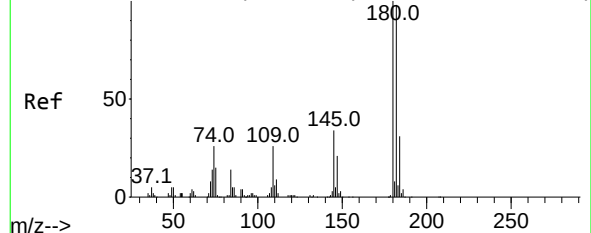
Lab File: VY020814.D

Acq: 14 Jan 2025 11:24

Tgt Ion:	180	Resp:	298
Ion Ratio	Lower	Upper	
180	100		
182	101.0	47.6	142.9
145	29.5	15.0	45.1



Abundance Scan 2233 (15.334 min): VY020777.D\data.ms (-



#96

1,2,3-Trichlorobenzene

Concen: 1.618 ug/l

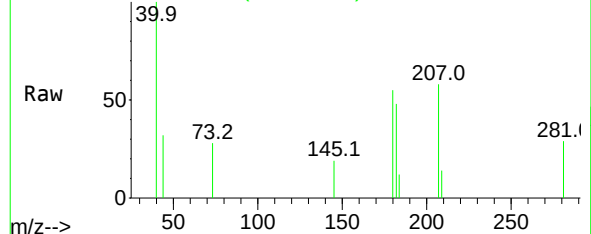
RT: 15.340 min Scan# 2234

Delta R.T. 0.006 min

Lab File: VY020814.D

Acq: 14 Jan 2025 11:24

Abundance Scan 2234 (15.340 min): VY020814.D\data.ms (-



Tgt Ion:	180	Resp:	323
Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.1	144.3
145	18.6	16.1	48.2

Abundance Scan 2234 (15.340 min): VY020814.D\data.ms (-

