

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
 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

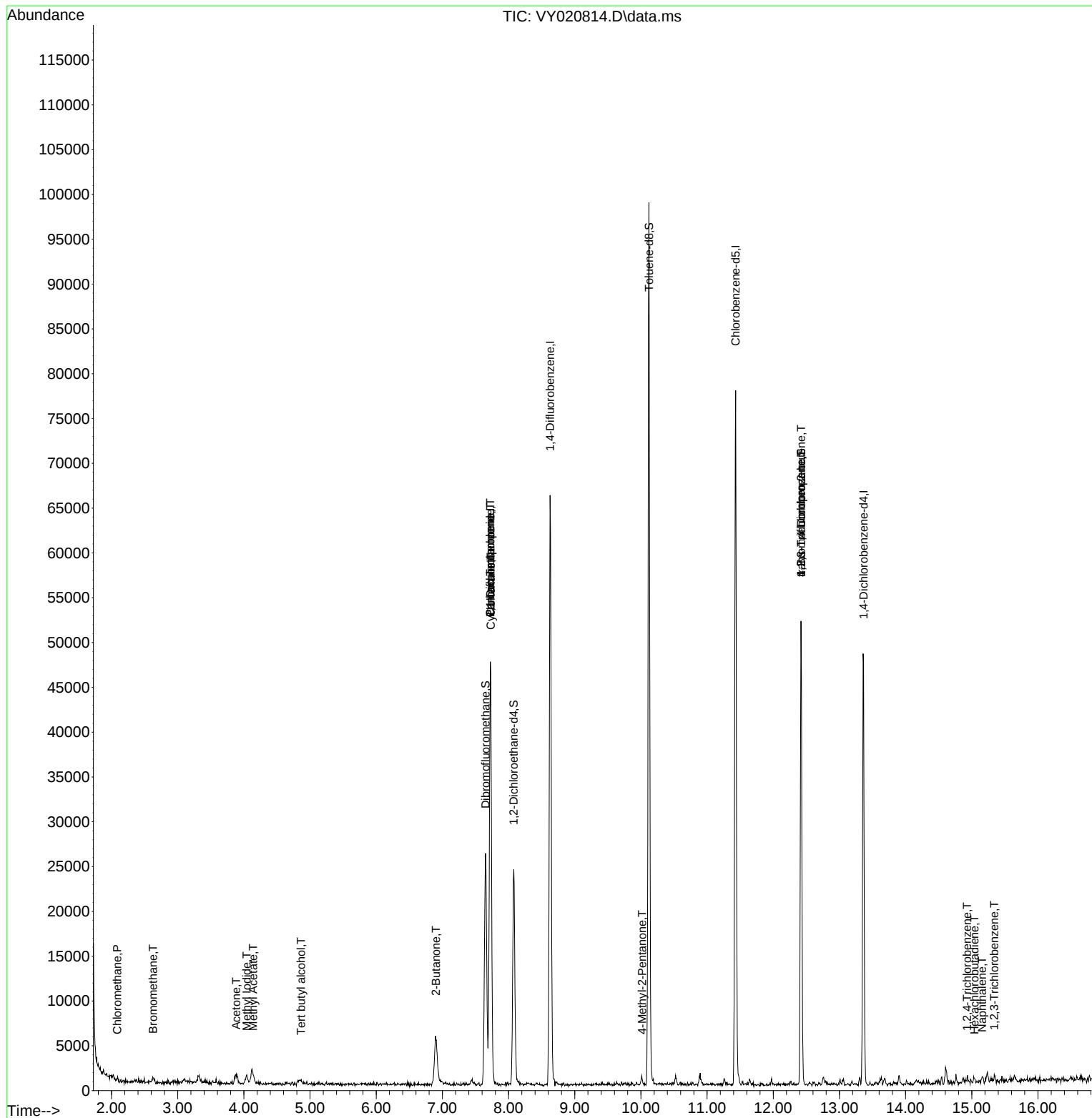
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	20243	61.801	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.600%
35) Dibromofluoromethane	7.652	113	19065	50.770	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.540%
50) Toluene-d8	10.121	98	65788	50.256	ug/l	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%

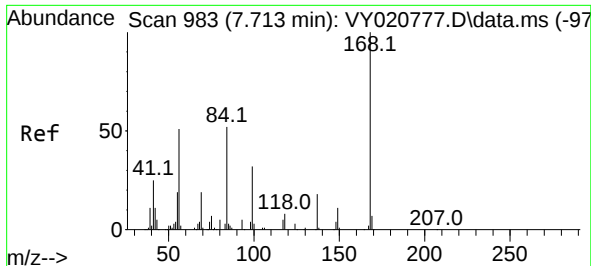
Target Compounds					Qvalue	
3) Chloromethane	2.086	50	153	1.027	ug/l	# 41
5) Bromomethane	2.629	94	307	2.604	ug/l	87
10) Methyl Iodide	4.043	142	1399	3.805	ug/l	96
11) Tert butyl alcohol	4.866	59	800	32.322	ug/l	# 73
16) Acetone	3.884	43	2116	45.429	ug/l	94
18) Methyl Acetate	4.140	43	294	1.869	ug/l	# 46
25) 2-Butanone	6.902	43	225	2.941	ug/l	# 45
31) Cyclohexane	7.731	56	697	1.462	ug/l	# 46
36) 1,1-Dichloropropene	7.725	75	2860	5.971	ug/l	# 47
38) Carbon Tetrachloride	7.725	117	3852	5.777	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.017	43	720	3.717	ug/l	# 85
76) 1,2,3-Trichloropropane	12.419	75	8045	68.992	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.419	75	8045	145.471	ug/l	# 14
93) 1,2,4-Trichlorobenzene	14.931	180	298	1.250	ug/l	95
94) Hexachlorobutadiene	15.041	225	173	1.030	ug/l	# 50
95) Naphthalene	15.157	128	894	2.279	ug/l	# 69
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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Acq On : 14 Jan 2025 11:24
Operator : SY/MD
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Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

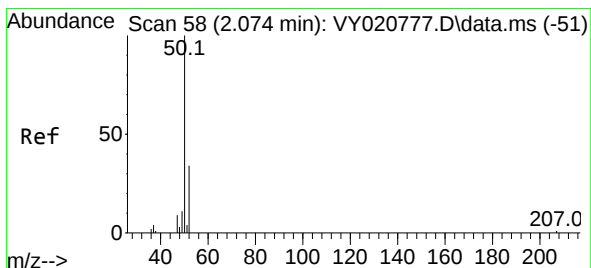
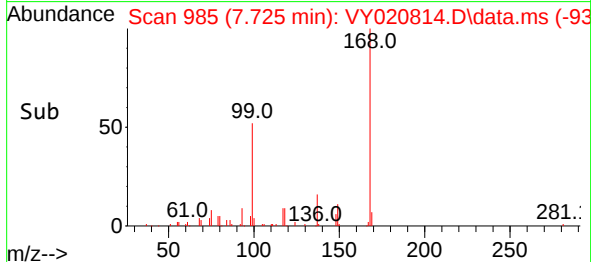
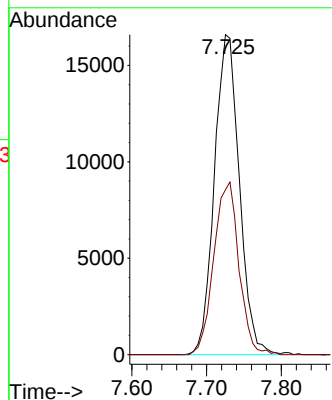
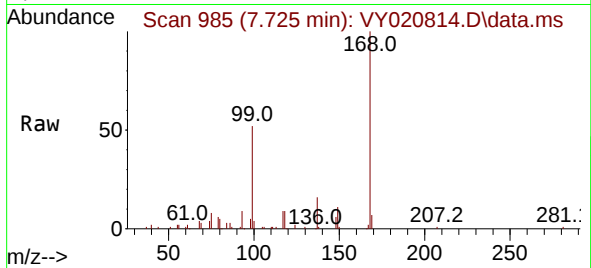
Quant Time: Jan 15 03:27:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
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QLast Update : Tue Jan 07 01:31:46 2025
Response via : Initial Calibration





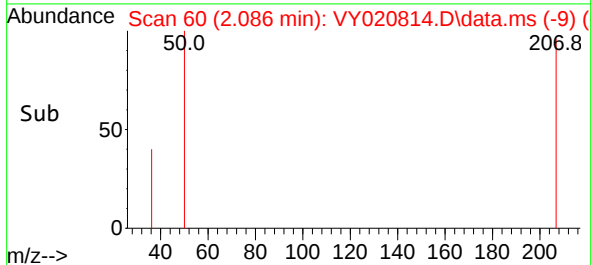
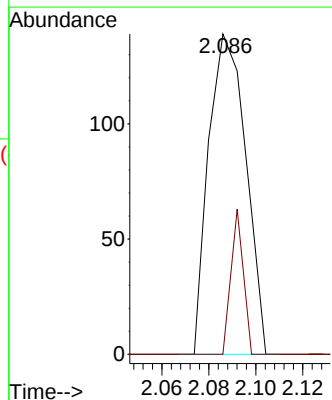
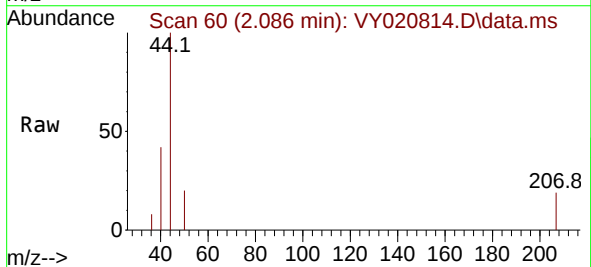
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 985
Delta R.T. 0.012 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

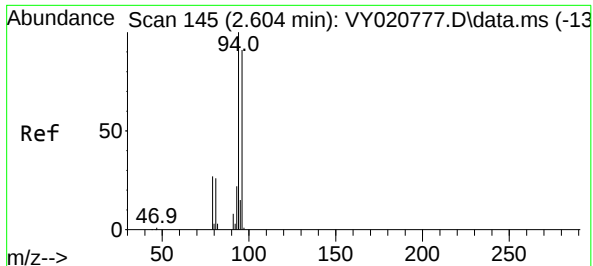
Tgt Ion:168 Resp: 38537
Ion Ratio Lower Upper
168 100
99 51.5 44.3 66.5



#3
Chloromethane
Concen: 1.027 ug/l
RT: 2.086 min Scan# 60
Delta R.T. 0.012 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

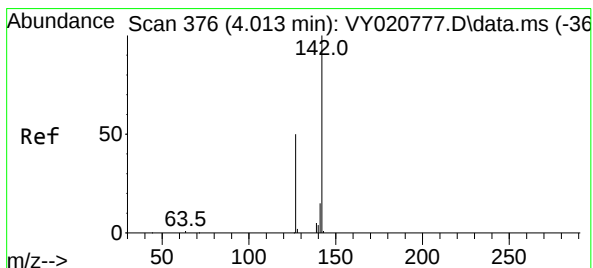
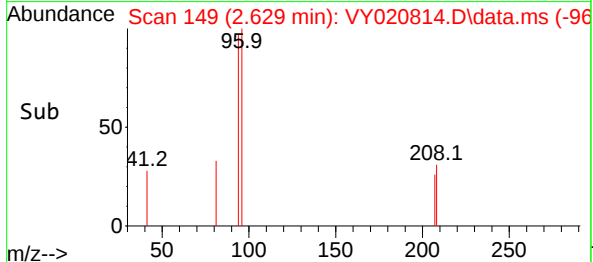
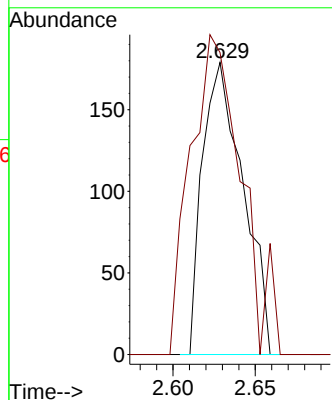
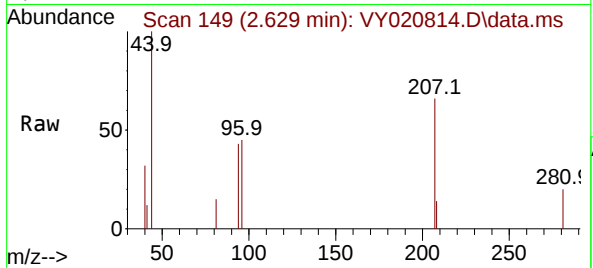
Tgt Ion: 50 Resp: 153
Ion Ratio Lower Upper
50 100
52 0.0 27.3 40.9#





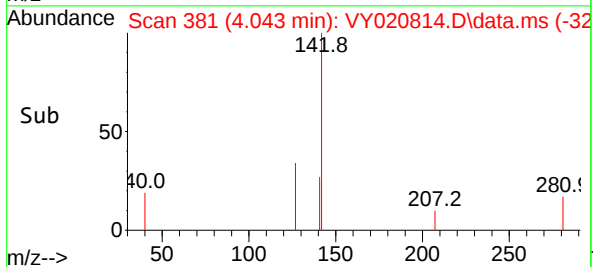
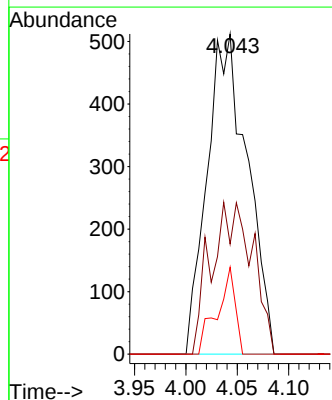
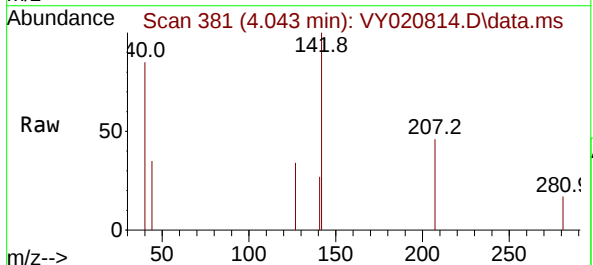
#5
Bromomethane
Concen: 2.604 ug/l
RT: 2.629 min Scan# 149
Delta R.T. 0.024 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

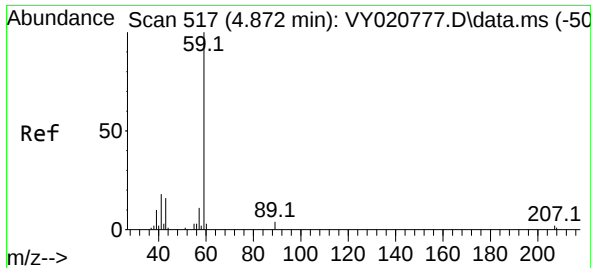
Tgt Ion: 94 Resp: 307
Ion Ratio Lower Upper
94 100
96 103.4 72.6 109.0



#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

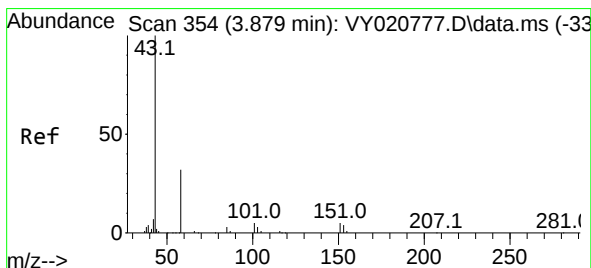
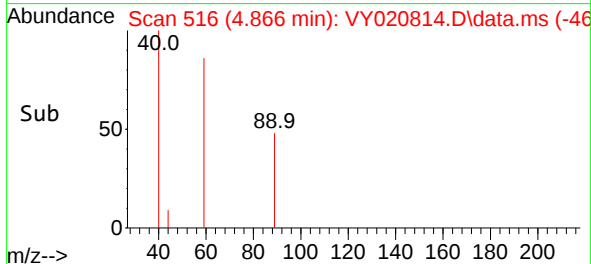
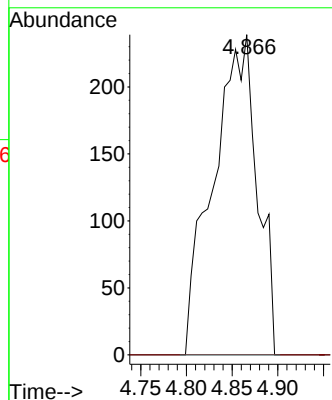
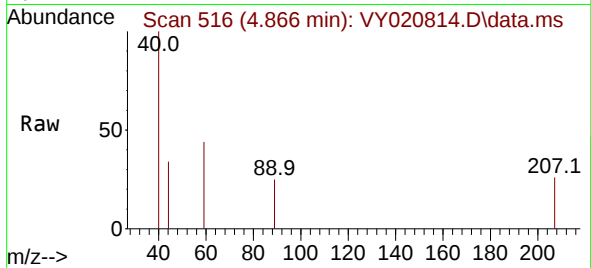
Tgt Ion:142 Resp: 1399
Ion Ratio Lower Upper
142 100
127 48.7 41.0 61.6
141 12.2 11.6 17.4





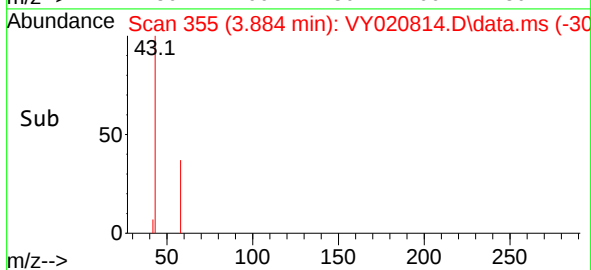
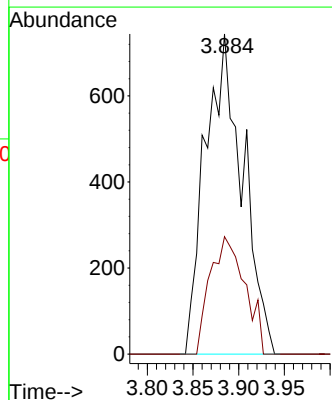
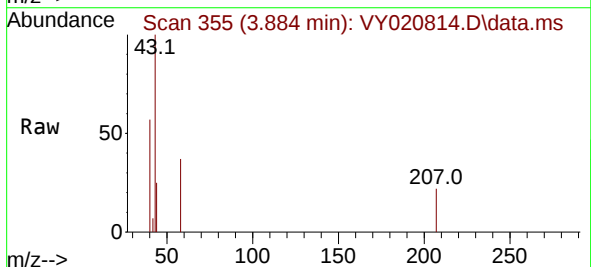
#11
Tert butyl alcohol
Concen: 32.322 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

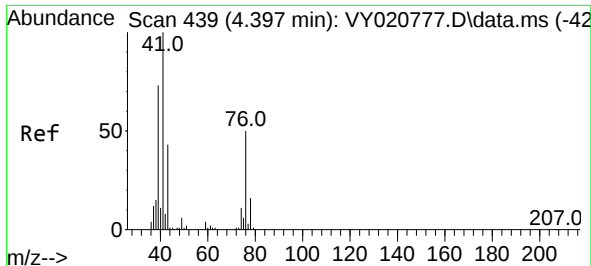
Tgt Ion: 59 Resp: 800
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#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

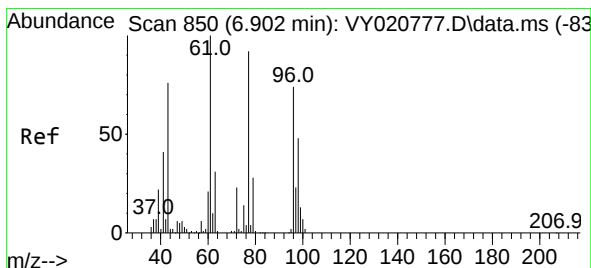
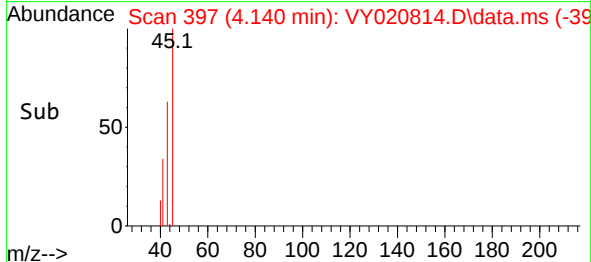
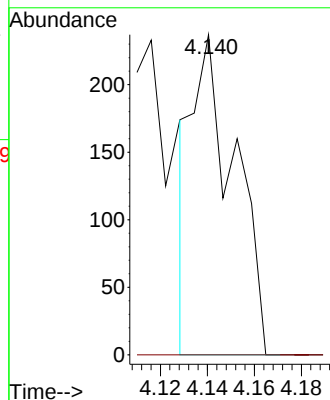
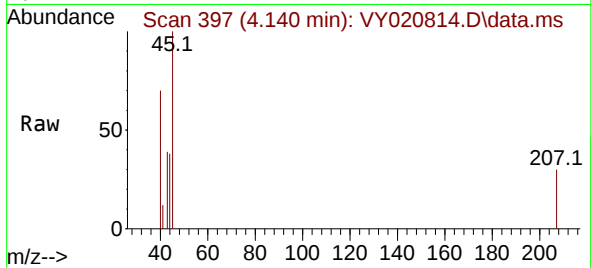
Tgt Ion: 43 Resp: 2116
Ion Ratio Lower Upper
43 100
58 36.7 26.7 40.1





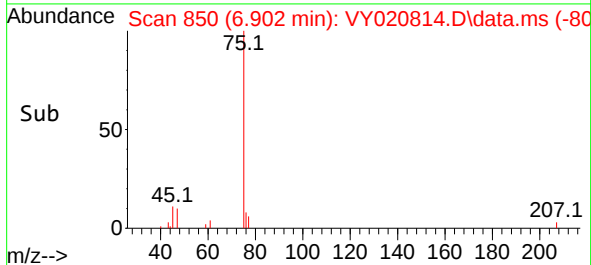
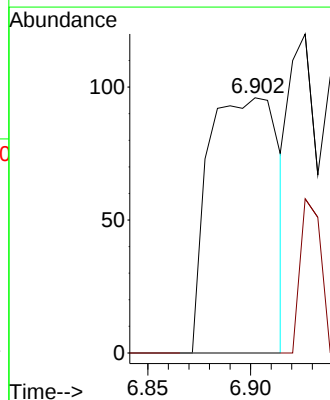
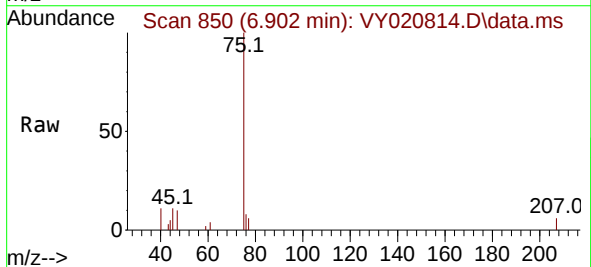
#18
Methyl Acetate
Concen: 1.869 ug/l
RT: 4.140 min Scan# 397
Delta R.T. -0.256 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

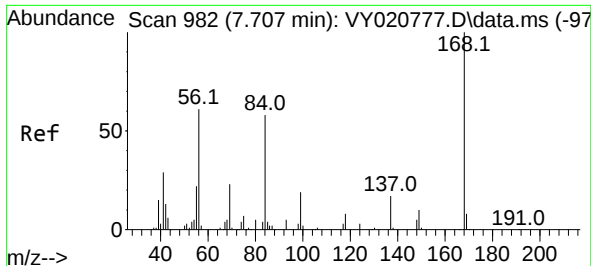
Tgt Ion: 43 Resp: 294
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.6#



#25
2-Butanone
Concen: 2.941 ug/l
RT: 6.902 min Scan# 850
Delta R.T. -0.000 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

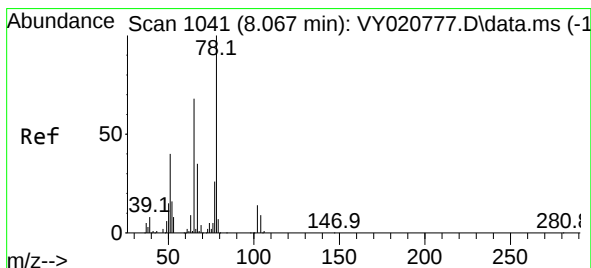
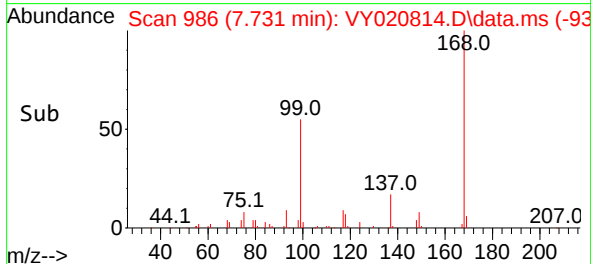
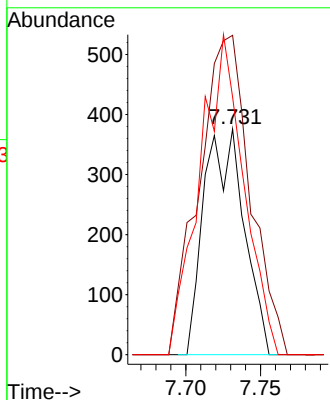
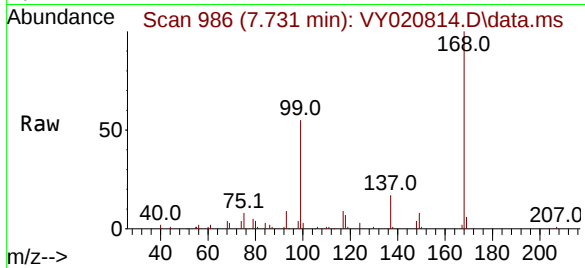
Tgt Ion: 43 Resp: 225
Ion Ratio Lower Upper
43 100
72 0.0 24.0 36.0#





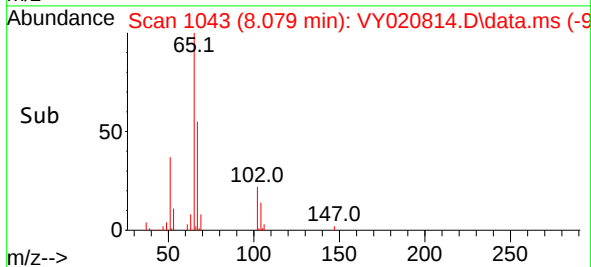
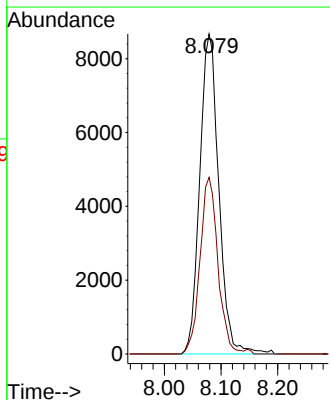
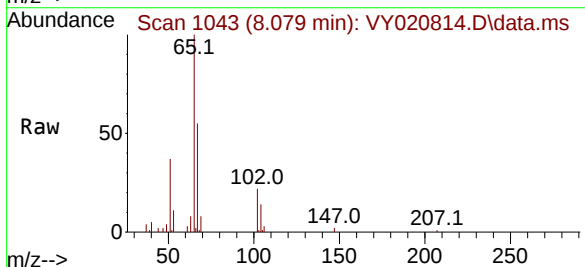
#31
Cyclohexane
Concen: 1.462 ug/l
RT: 7.731 min Scan# 986
Delta R.T. 0.024 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

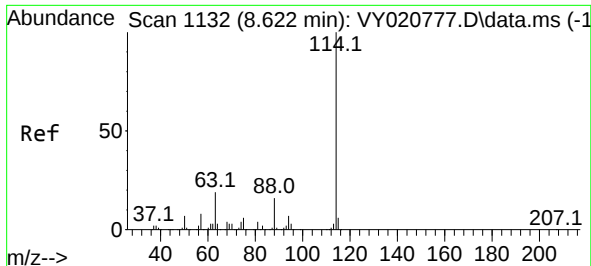
Tgt Ion: 56 Resp: 697
Ion Ratio Lower Upper
56 100
69 125.0 30.5 45.7#
84 114.1 76.6 115.0



#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

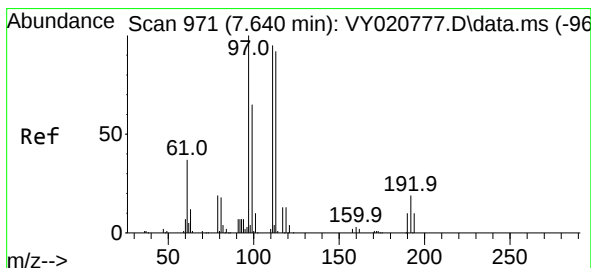
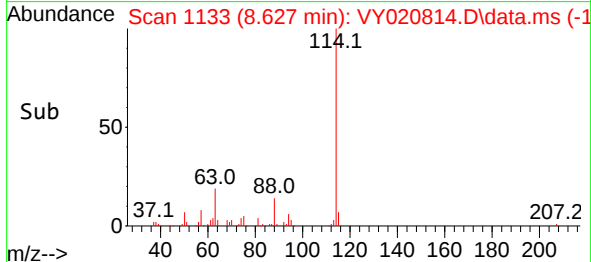
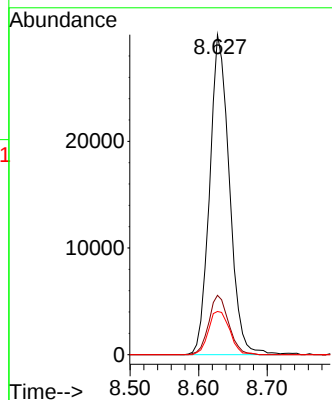
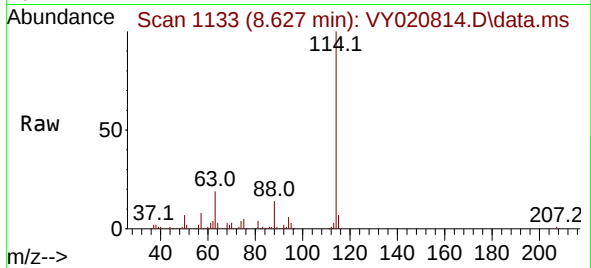
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Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.8





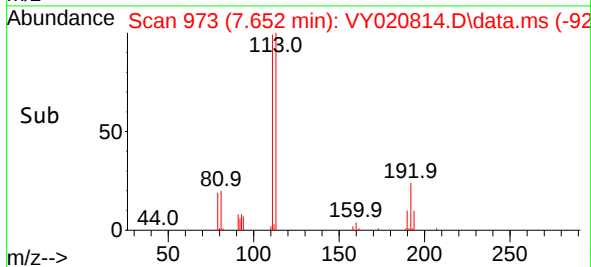
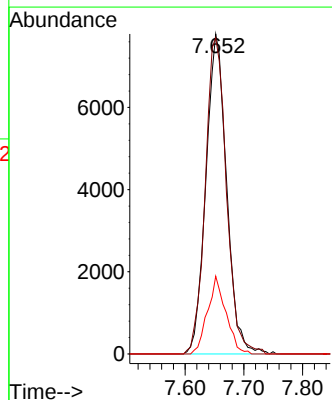
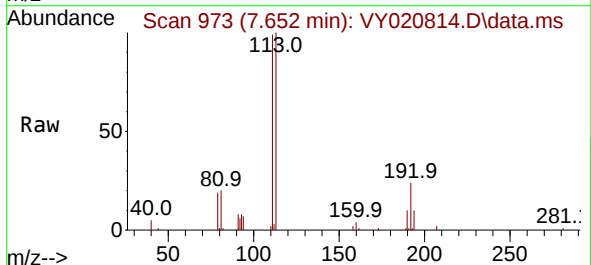
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.627 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

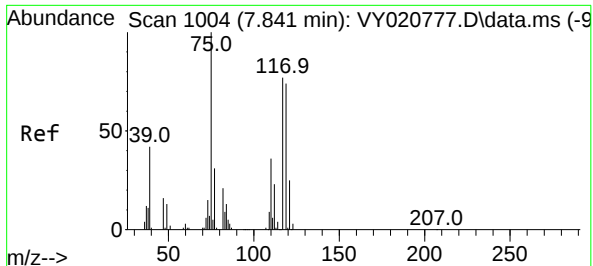
Tgt Ion:114 Resp: 59940
Ion Ratio Lower Upper
114 100
63 18.6 0.0 38.4
88 13.5 0.0 31.2



#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

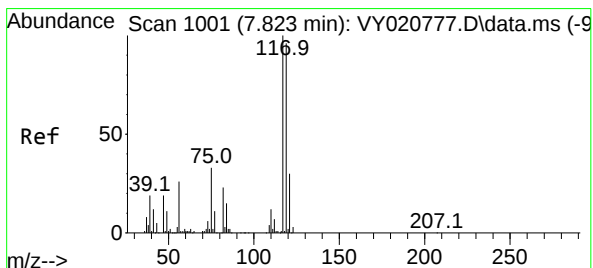
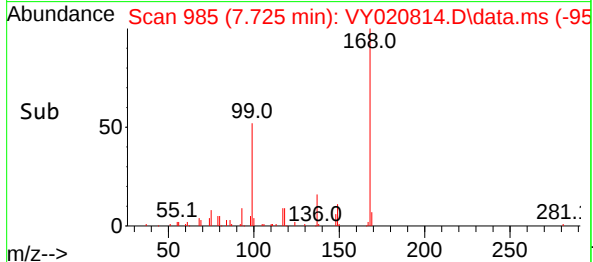
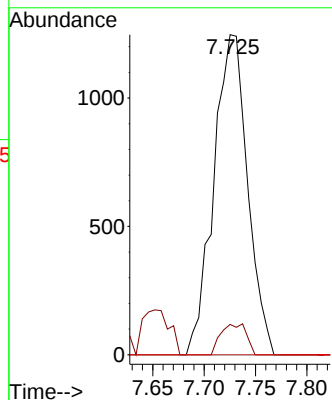
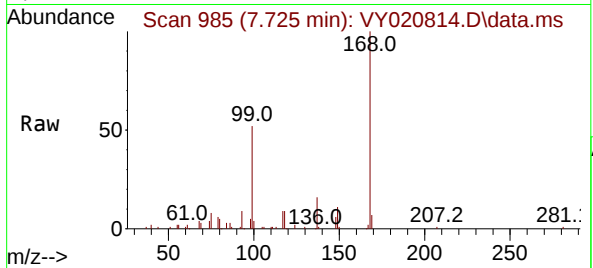
Tgt Ion:113 Resp: 19065
Ion Ratio Lower Upper
113 100
111 100.9 81.7 122.5
192 21.7 16.7 25.1





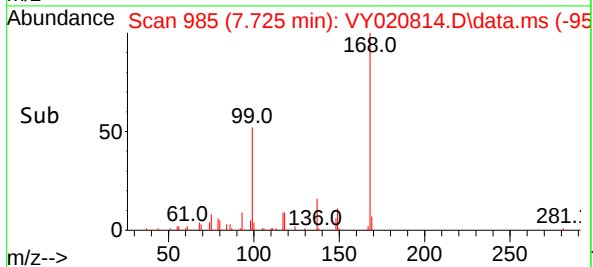
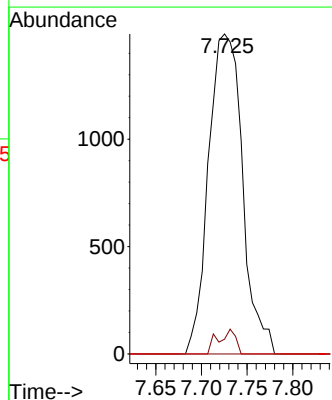
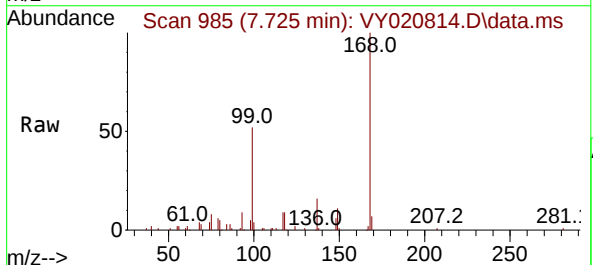
#36
 1,1-Dichloropropene
 Concen: 5.971 ug/l
 RT: 7.725 min Scan# 985
 Delta R.T. -0.116 min
 Lab File: VY020814.D
 Acq: 14 Jan 2025 11:24

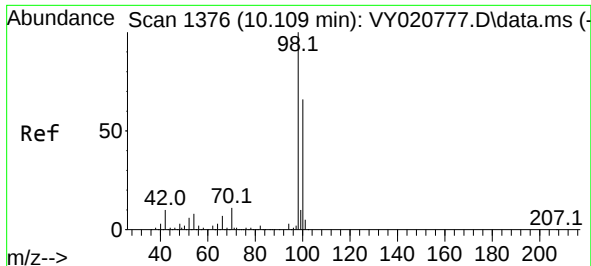
Tgt Ion: 75 Resp: 2860
 Ion Ratio Lower Upper
 75 100
 110 7.2 18.5 55.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.777 ug/l
 RT: 7.725 min Scan# 985
 Delta R.T. -0.098 min
 Lab File: VY020814.D
 Acq: 14 Jan 2025 11:24

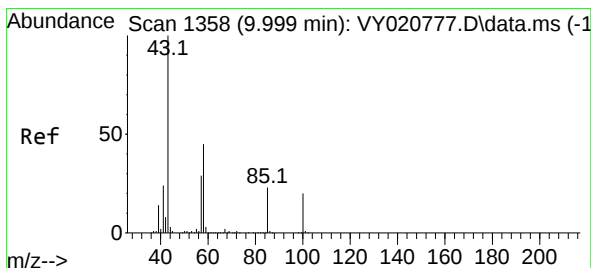
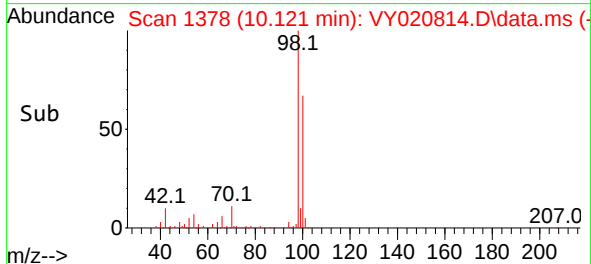
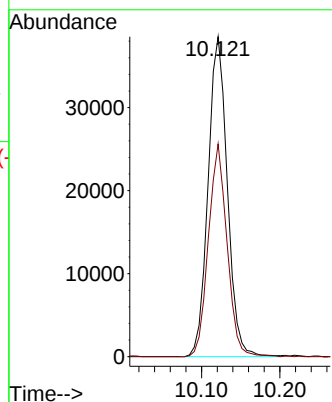
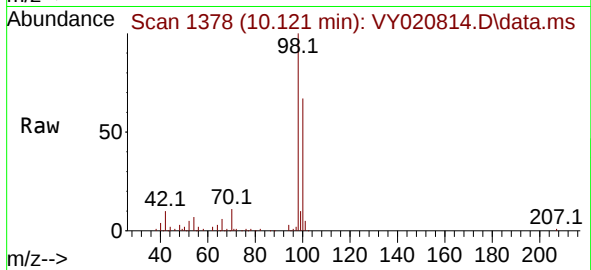
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 Ion Ratio Lower Upper
 117 100
 119 4.6 76.5 114.7#
 121 0.0 24.3 36.5#





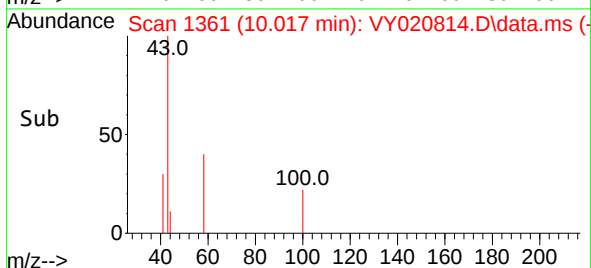
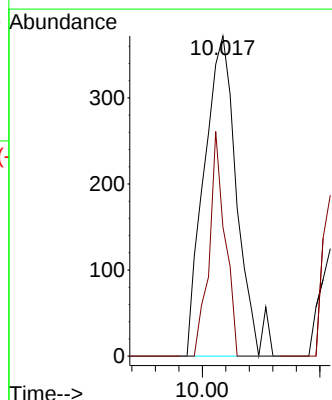
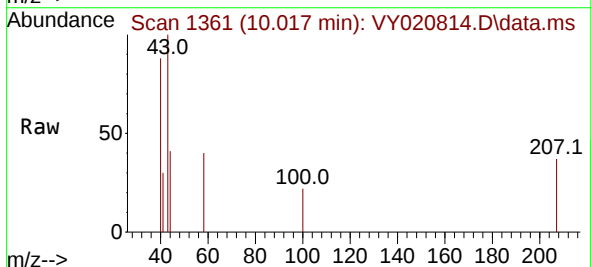
#50
Toluene-d8
Concen: 50.256 ug/l
RT: 10.121 min Scan# 1378
Delta R.T. 0.012 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

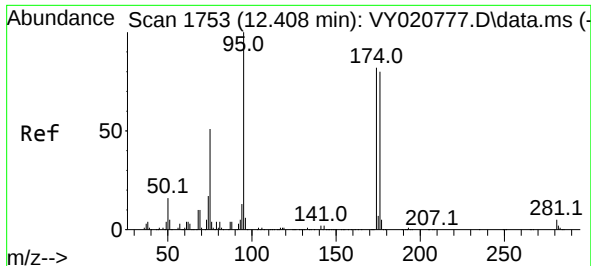
Tgt Ion: 98 Resp: 65788
Ion Ratio Lower Upper
98 100
100 64.4 52.5 78.7



#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

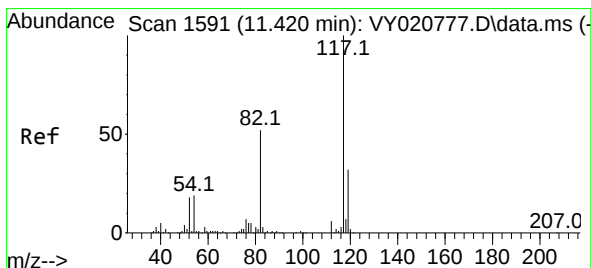
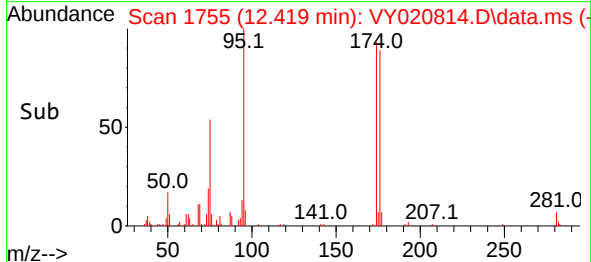
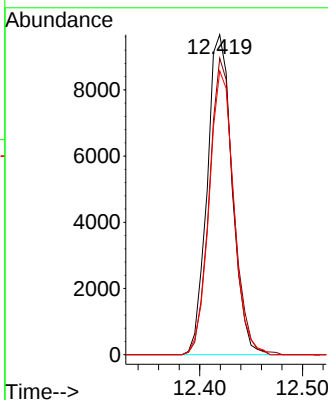
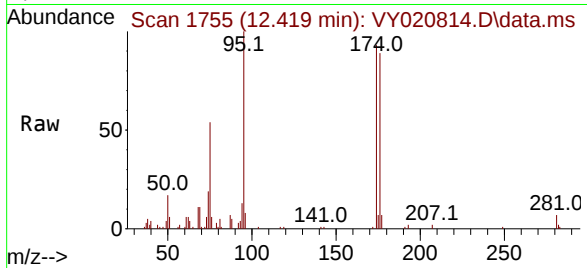
Tgt Ion: 43 Resp: 720
Ion Ratio Lower Upper
43 100
58 33.9 34.8 52.2#





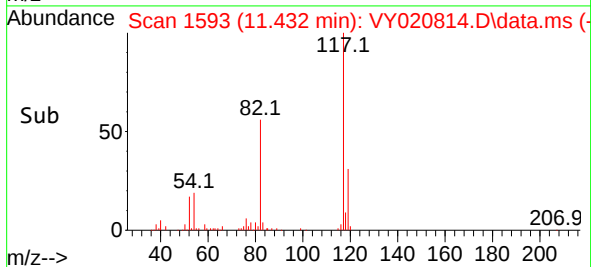
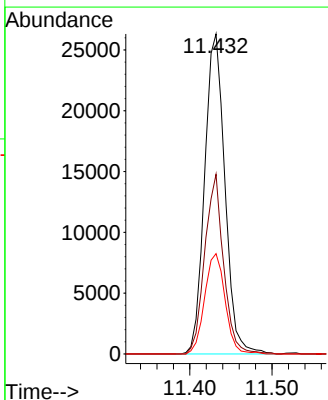
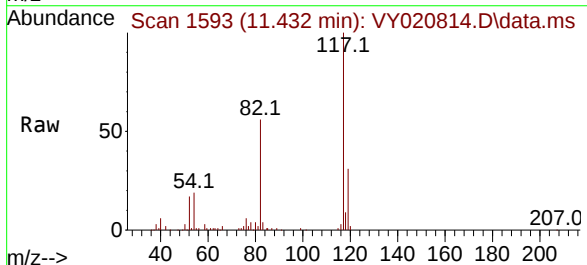
#62
4-Bromofluorobenzene
Concen: 33.704 ug/l
RT: 12.419 min Scan# 1755
Delta R.T. 0.012 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

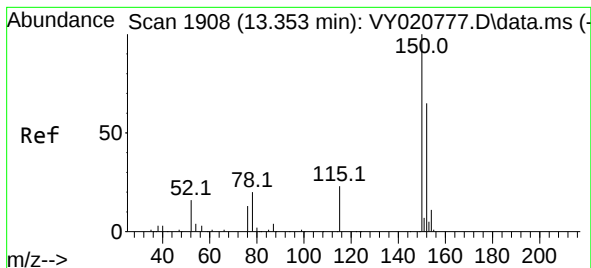
Tgt Ion:	95	Resp:	16293
Ion Ratio	Lower	Upper	
95	100		
174	90.2	0.0	178.0
176	87.2	0.0	172.0



#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

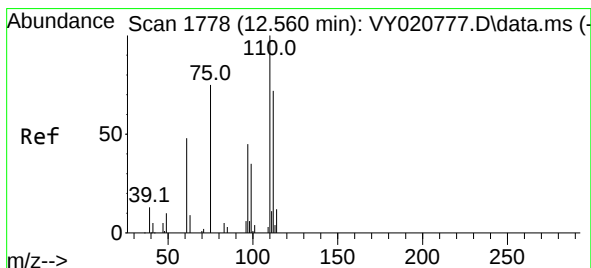
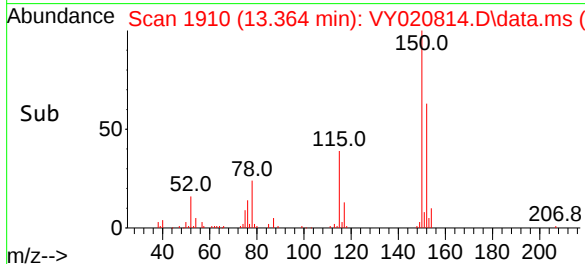
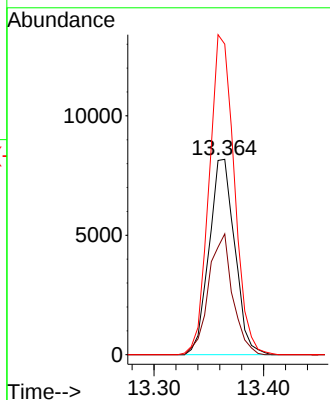
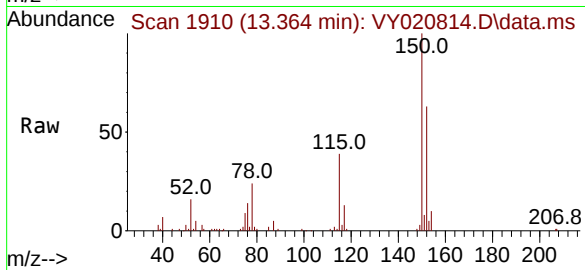
Tgt Ion:	117	Resp:	45080
Ion Ratio	Lower	Upper	
117	100		
82	56.2	41.8	62.6
119	31.3	25.8	38.8





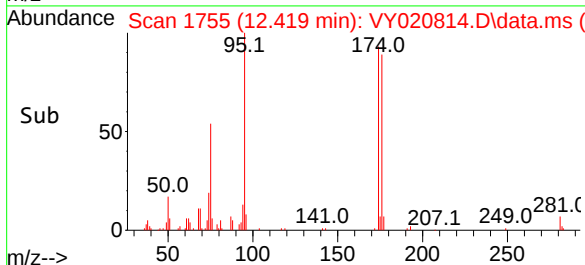
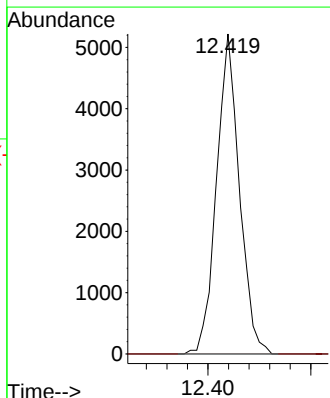
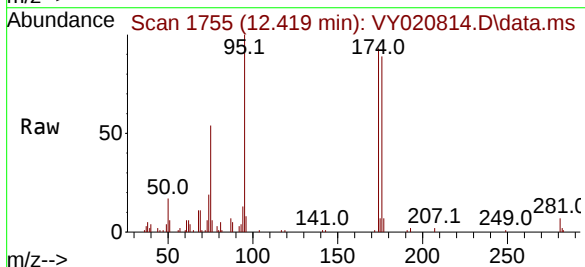
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. 0.012 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

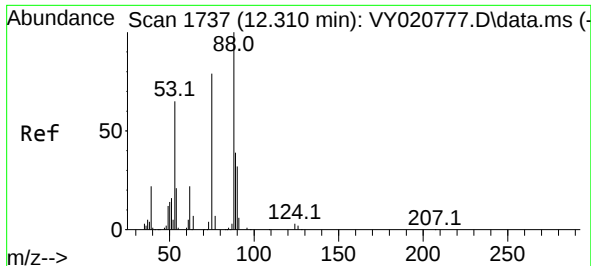
Tgt Ion:	152	Resp:	13327
Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.0	87.0
150	160.4	0.0	347.4



#76
1,2,3-Trichloropropane
Concen: 68.992 ug/l
RT: 12.419 min Scan# 1755
Delta R.T. -0.141 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

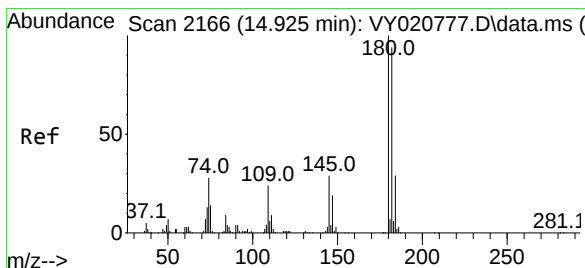
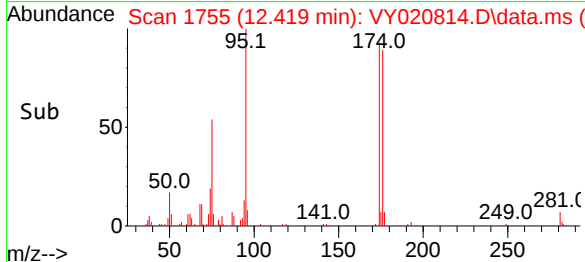
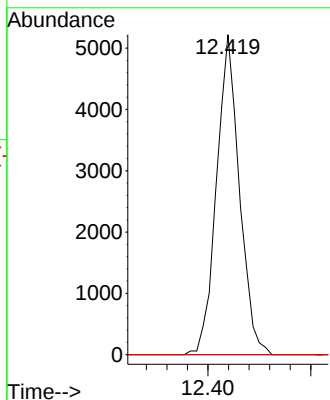
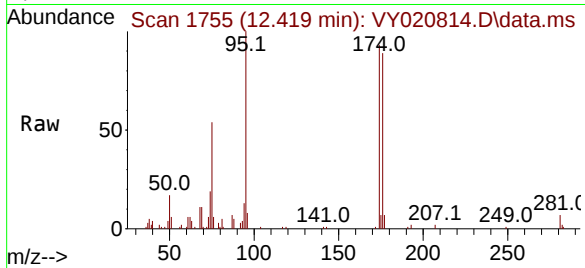
Tgt Ion:	75	Resp:	8045
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





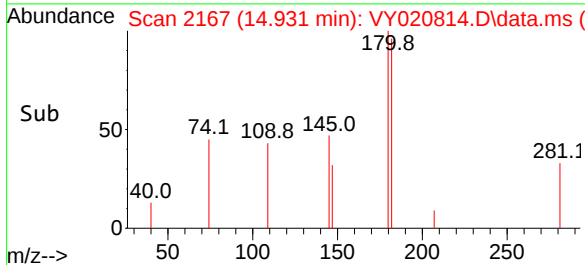
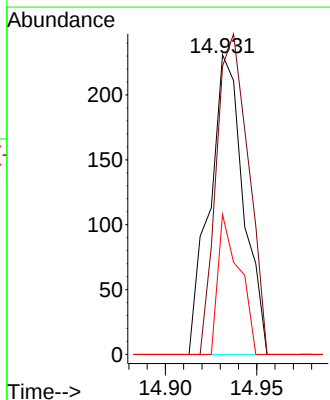
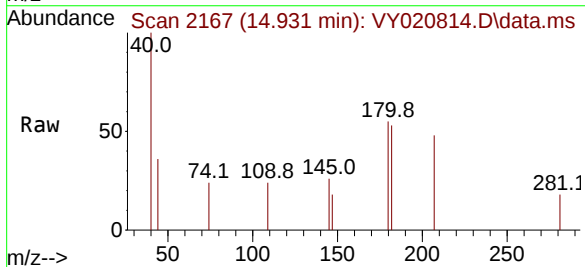
#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.471 ug/l
 RT: 12.419 min Scan# 1755
 Delta R.T. 0.109 min
 Lab File: VY020814.D
 Acq: 14 Jan 2025 11:24

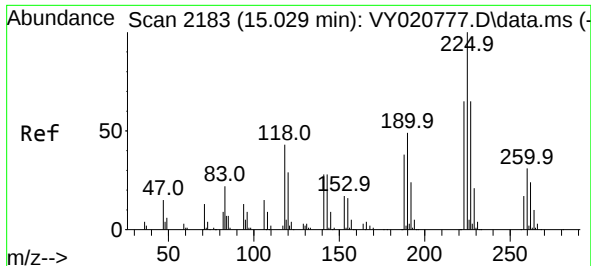
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	69.4	104.0#
89	0.0	39.6	59.4#



#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

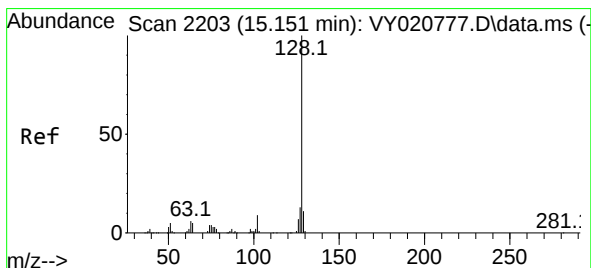
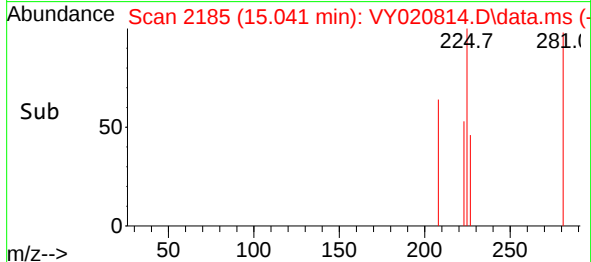
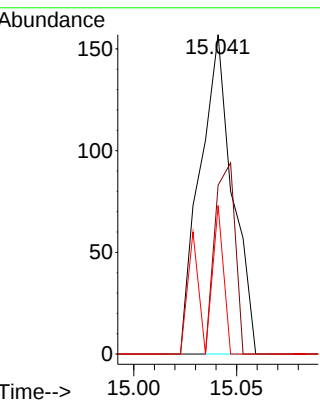
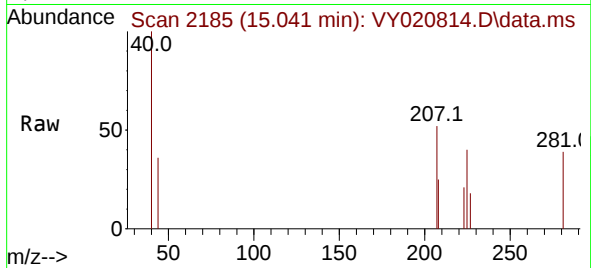
Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.0	47.6	142.9
145	29.5	15.0	45.1





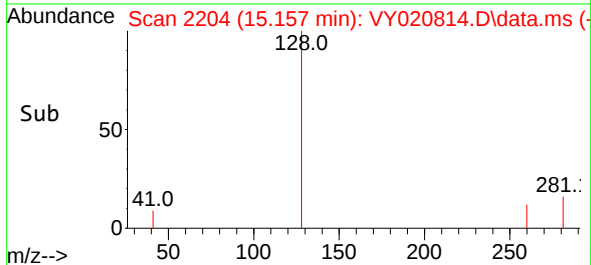
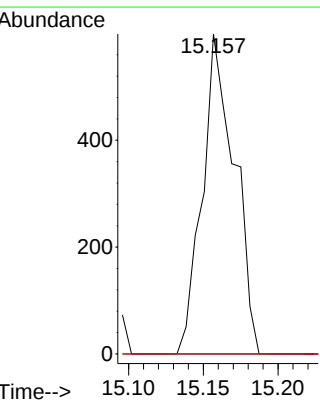
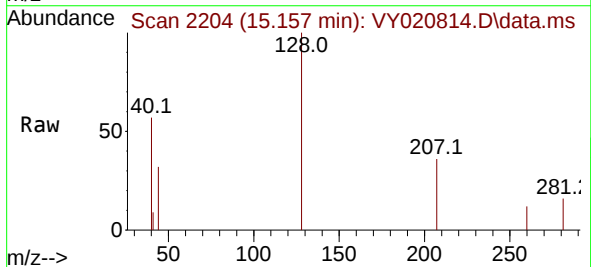
#94
Hexachlorobutadiene
Concen: 1.030 ug/l
RT: 15.041 min Scan# 2185
Delta R.T. 0.012 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

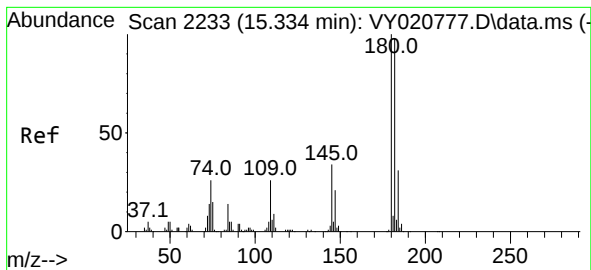
Tgt Ion:225 Resp: 173
Ion Ratio Lower Upper
225 100
223 37.6 31.6 94.8
227 12.7 32.2 96.6#



#95
Naphthalene
Concen: 2.279 ug/l
RT: 15.157 min Scan# 2204
Delta R.T. 0.006 min
Lab File: VY020814.D
Acq: 14 Jan 2025 11:24

Tgt Ion:128 Resp: 894
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 12.8#





#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

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

