

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012523\
 Data File : VY012363.D
 Acq On : 25 Jan 2023 17:52
 Operator : KP/MD
 Sample : 01254-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 26 04:10:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

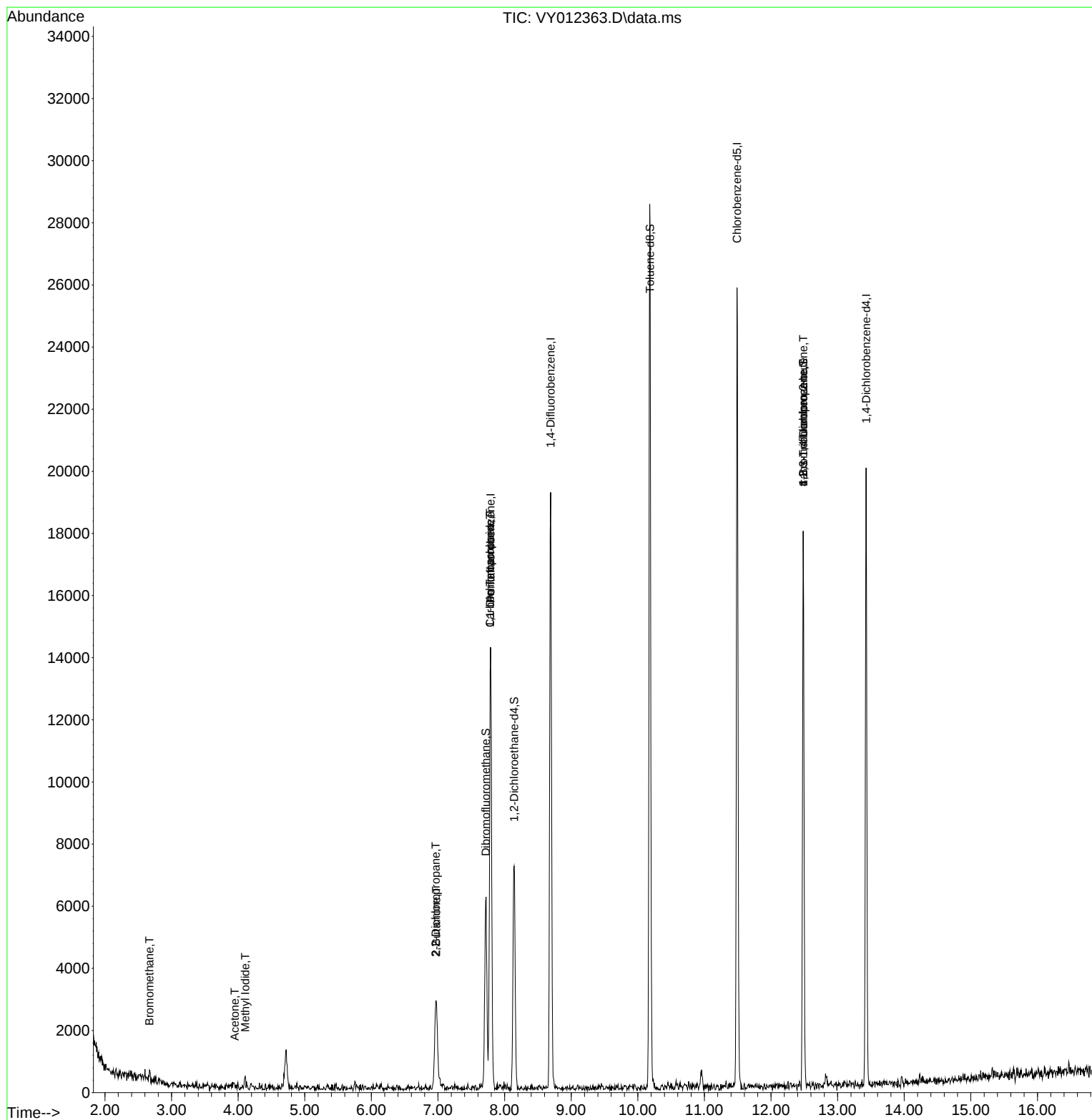
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

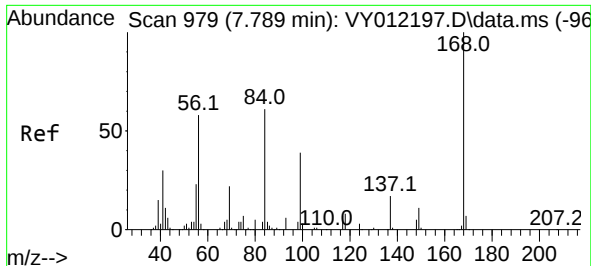
Internal Standards						
1) Pentafluorobenzene	7.789	168	11830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	18166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	15657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	6591	68.685	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.380%	
35) Dibromofluoromethane	7.716	113	4195	43.612	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.220%	
50) Toluene-d8	10.185	98	20582	62.872	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 125.740%	
62) 4-Bromofluorobenzene	12.483	95	5385	39.713	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.420%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	88	1.022	ug/l	92
10) Methyl Iodide	4.107	142	381	2.369	ug/l #	89
11) Tert butyl alcohol	4.936	59	27	Below Cal	#	74
16) Acetone	3.948	43	73	2.216	ug/l #	40
20) Methylene Chloride	4.722	84	970	Below Cal	#	71
25) 2-Butanone	6.972	43	48	1.320	ug/l #	46
26) 2,2-Dichloropropane	6.966	77	244	1.210	ug/l #	53
36) 1,1-Dichloropropene	7.783	75	726	4.441	ug/l #	41
38) Carbon Tetrachloride	7.783	117	1111	5.262	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	2825	52.498	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2825	108.170	ug/l #	13

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

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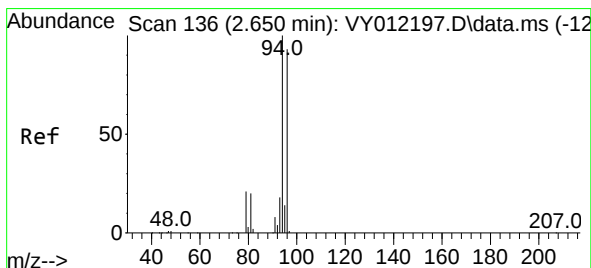
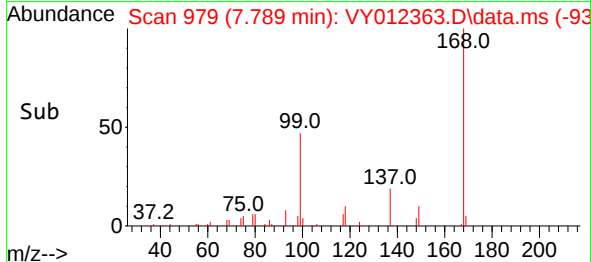
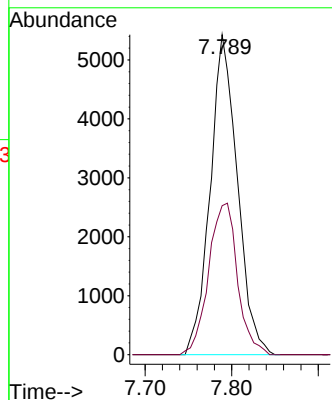
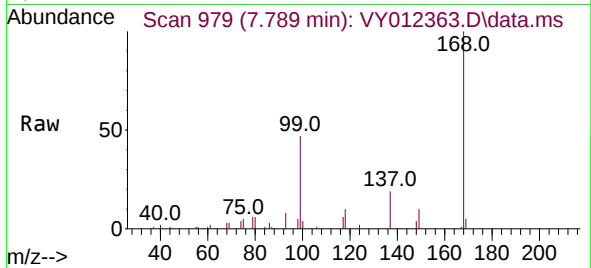
Quant Time: Jan 26 04:10:28 2023
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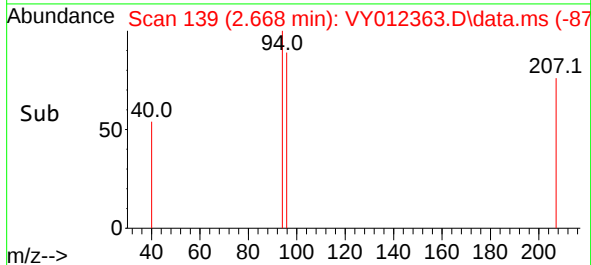
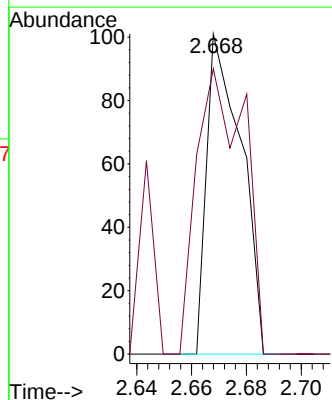
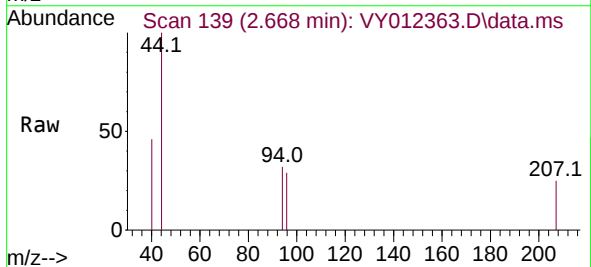
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY012363.D
Acq: 25 Jan 2023 17:52

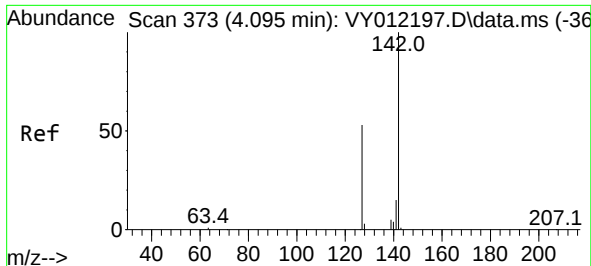
Tgt Ion:168 Resp: 11830
Ion Ratio Lower Upper
168 100
99 46.6 44.0 66.0



#5
Bromomethane
Concen: 1.022 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY012363.D
Acq: 25 Jan 2023 17:52

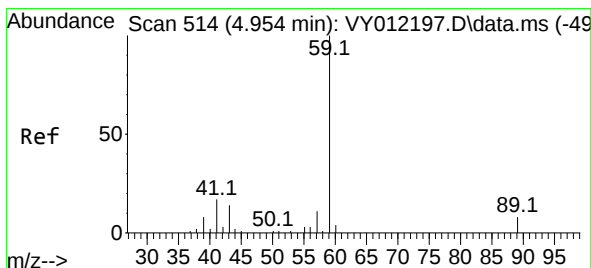
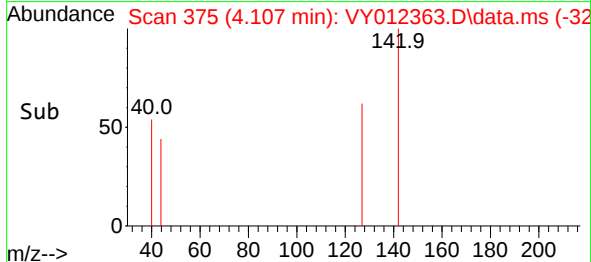
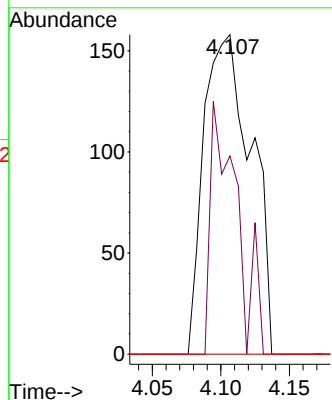
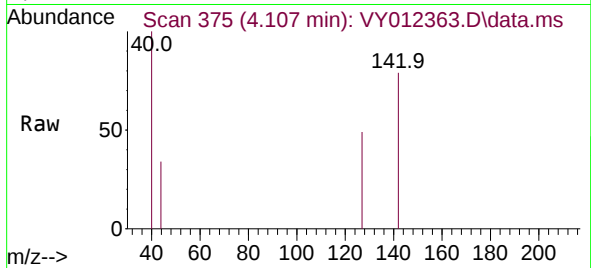
Tgt Ion: 94 Resp: 88
Ion Ratio Lower Upper
94 100
96 89.1 77.4 116.2





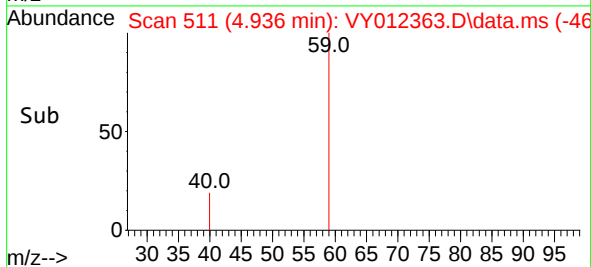
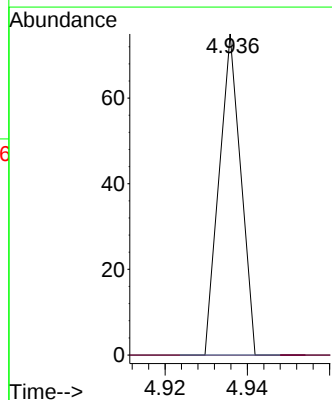
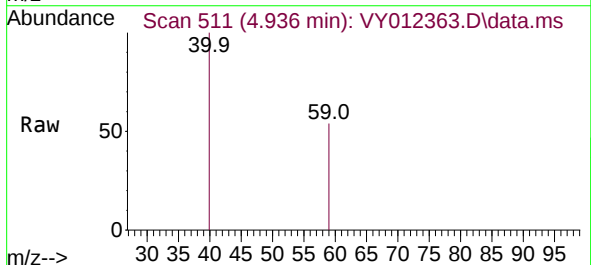
#10
Methyl Iodide
Concen: 2.369 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY012363.D
Acq: 25 Jan 2023 17:52

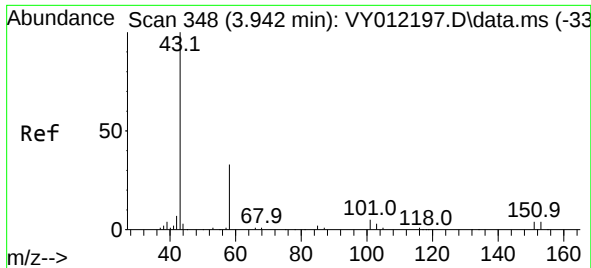
Tgt Ion:142 Resp: 381
Ion Ratio Lower Upper
142 100
127 44.1 37.0 55.4
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012363.D
Acq: 25 Jan 2023 17:52

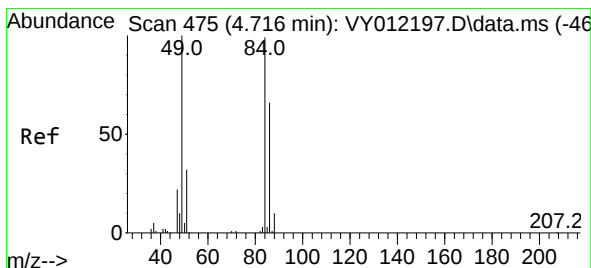
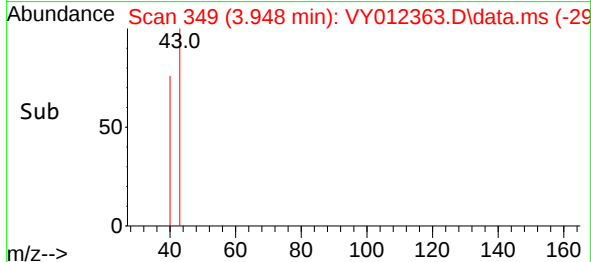
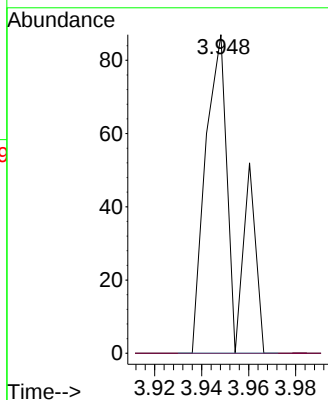
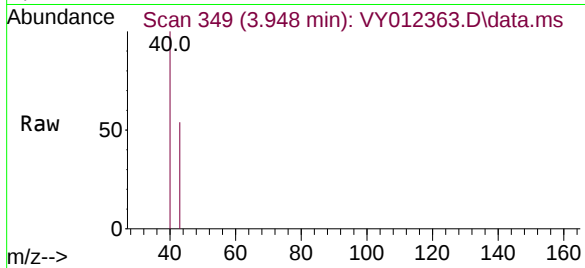
Tgt Ion: 59 Resp: 27
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





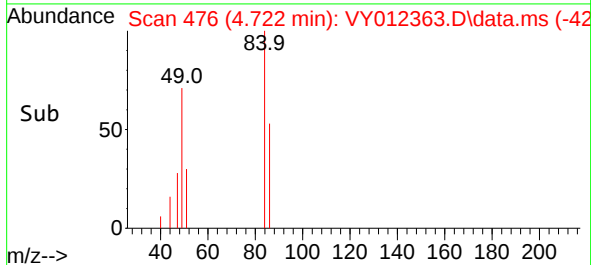
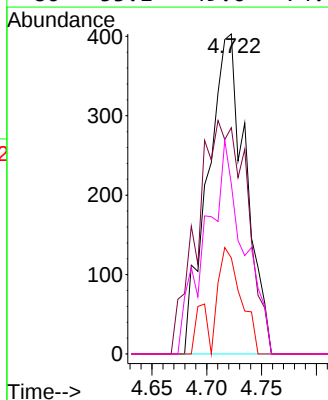
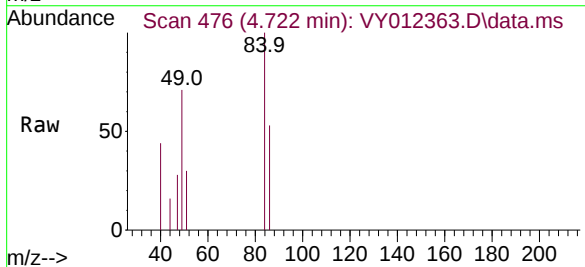
#16
Acetone
Concen: 2.216 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012363.D
Acq: 25 Jan 2023 17:52

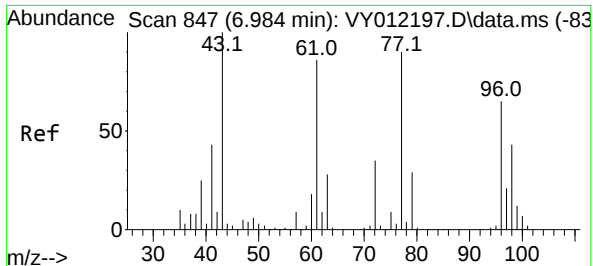
Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY012363.D
Acq: 25 Jan 2023 17:52

Tgt Ion: 84 Resp: 970
Ion Ratio Lower Upper
84 100
49 70.7 95.4 143.2#
51 30.0 29.9 44.9
86 53.1 49.6 74.4





#25

2-Butanone

Concen: 1.320 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY012363.D

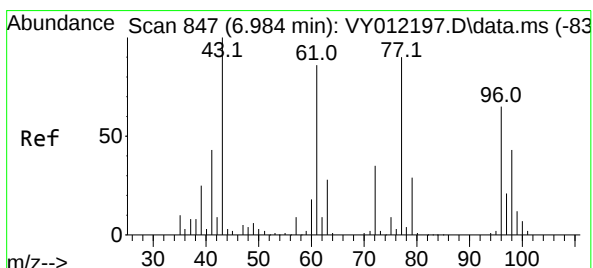
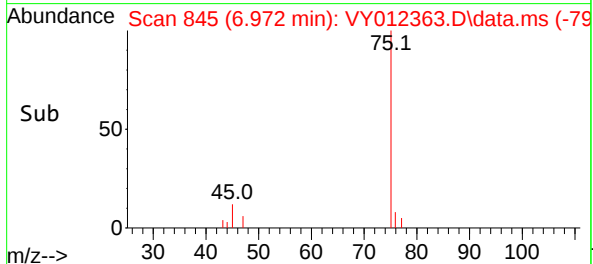
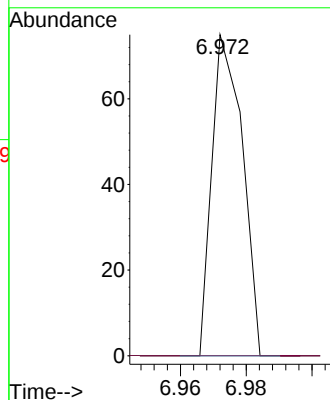
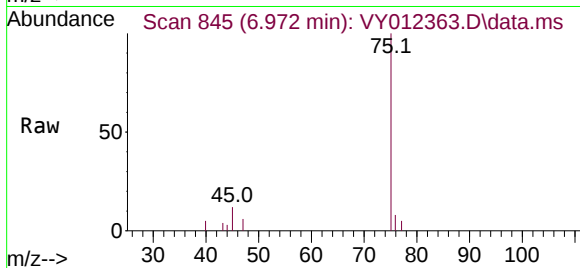
Acq: 25 Jan 2023 17:52

Tgt Ion: 43 Resp: 48

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#26

2,2-Dichloropropane

Concen: 1.210 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY012363.D

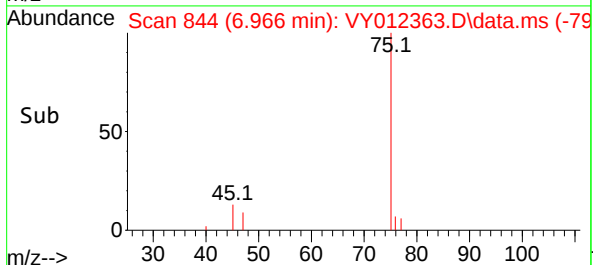
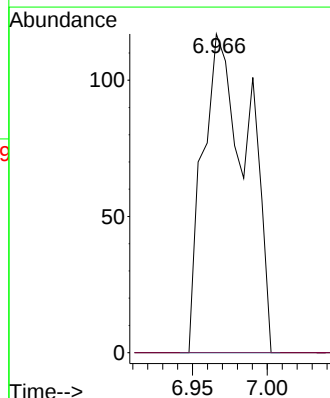
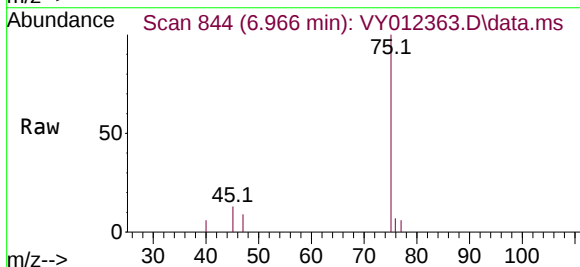
Acq: 25 Jan 2023 17:52

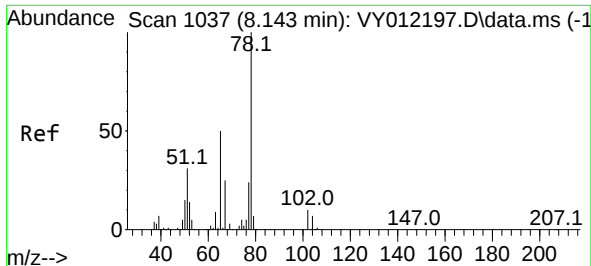
Tgt Ion: 77 Resp: 244

Ion Ratio Lower Upper

77 100

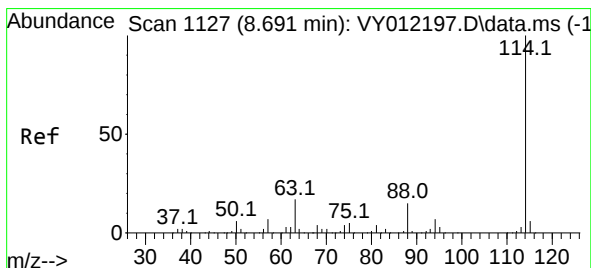
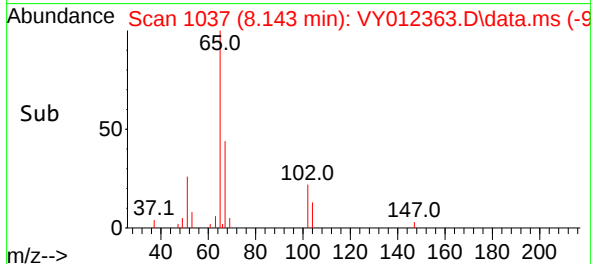
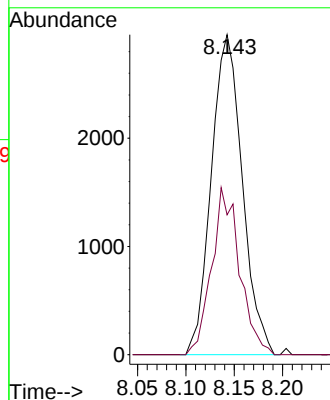
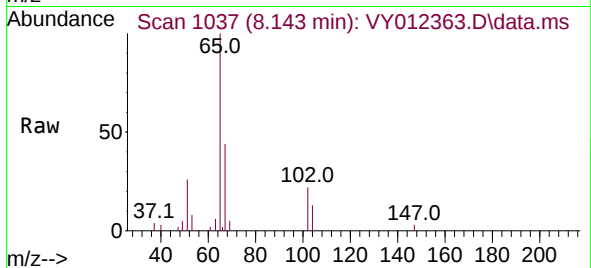
97 0.0 11.4 34.1#





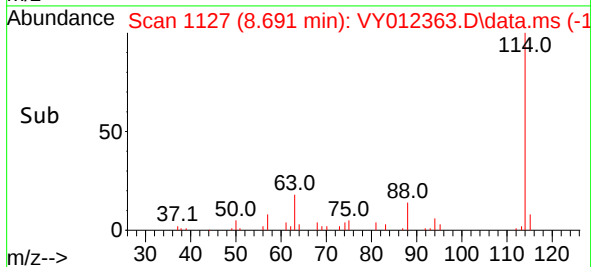
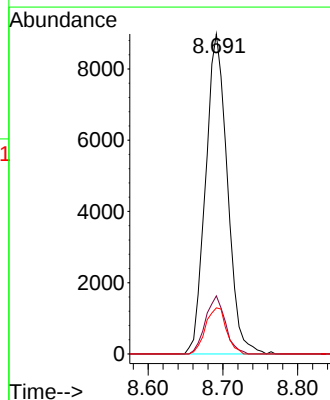
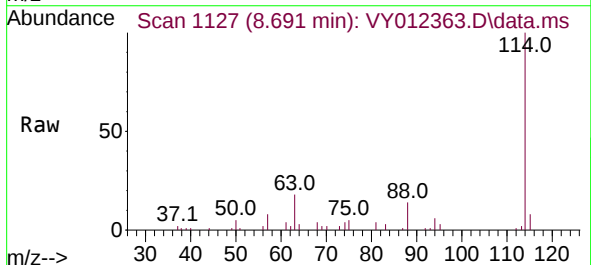
#33
 1,2-Dichloroethane-d4
 Concen: 68.685 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY012363.D
 Acq: 25 Jan 2023 17:52

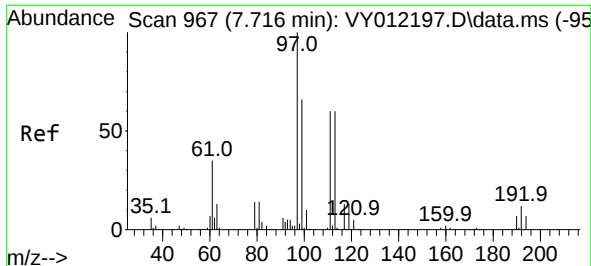
Tgt Ion: 65 Resp: 6591
 Ion Ratio Lower Upper
 65 100
 67 47.0 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012363.D
 Acq: 25 Jan 2023 17:52

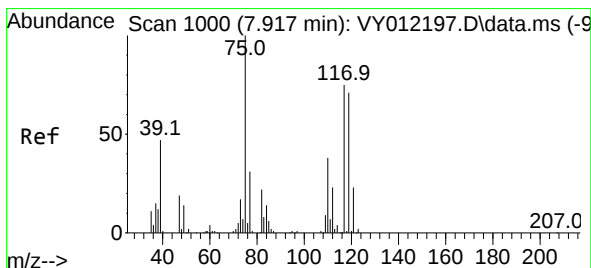
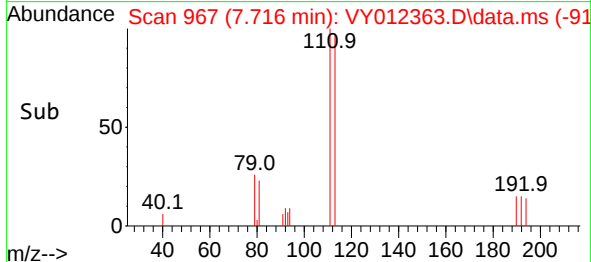
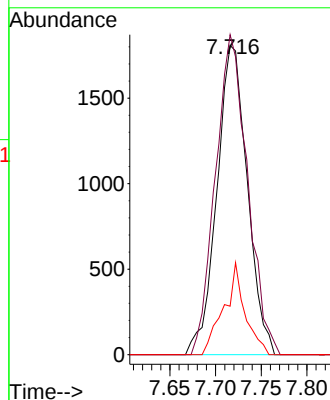
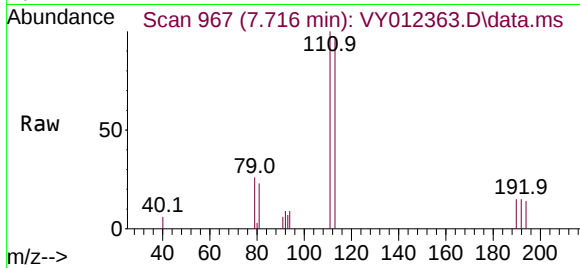
Tgt Ion: 114 Resp: 18166
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.6
 88 14.4 0.0 32.2





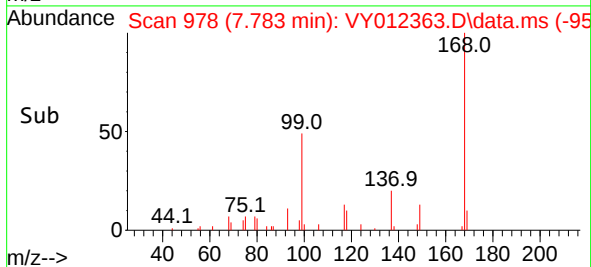
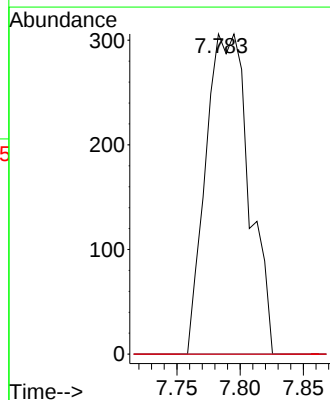
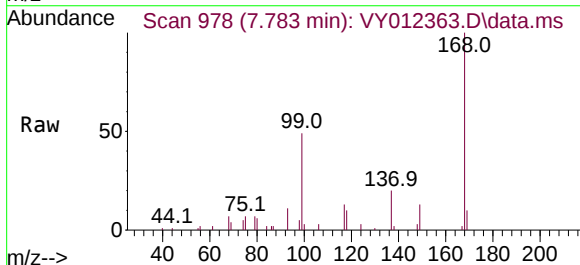
#35
Dibromofluoromethane
Concen: 43.612 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012363.D
Acq: 25 Jan 2023 17:52

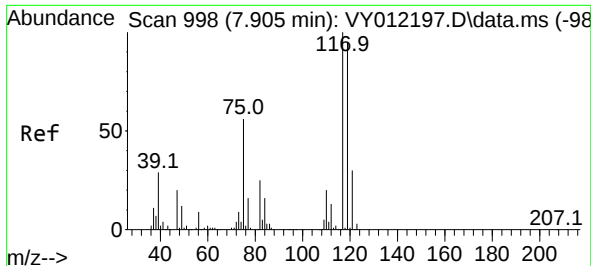
Tgt Ion:	113	Resp:	4195
Ion	Ratio	Lower	Upper
113	100		
111	108.7	83.0	124.4
192	20.7	16.0	24.0



#36
1,1-Dichloropropene
Concen: 4.441 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012363.D
Acq: 25 Jan 2023 17:52

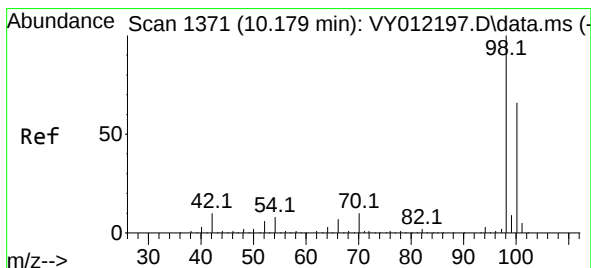
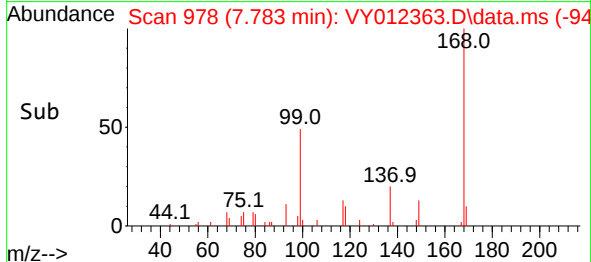
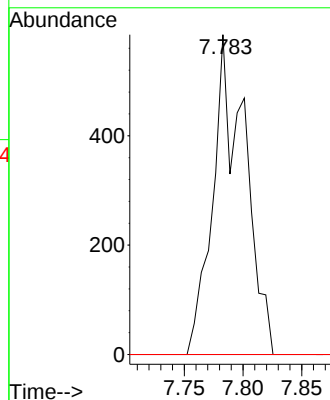
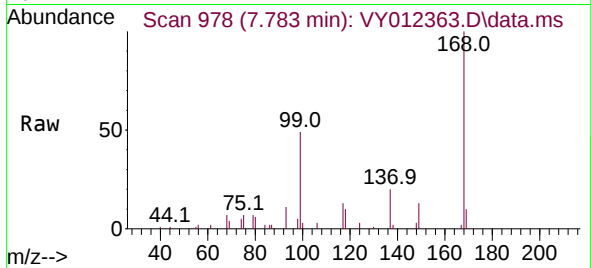
Tgt Ion:	75	Resp:	726
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.1#
77	0.0	25.1	37.7#





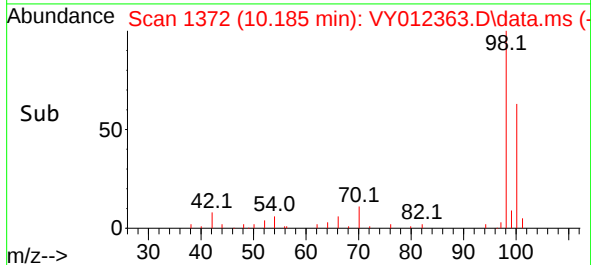
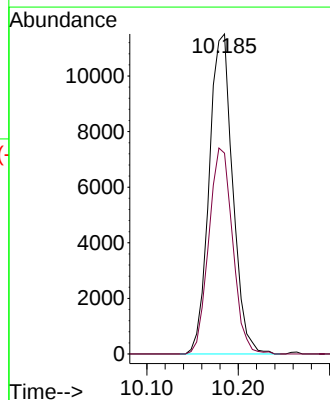
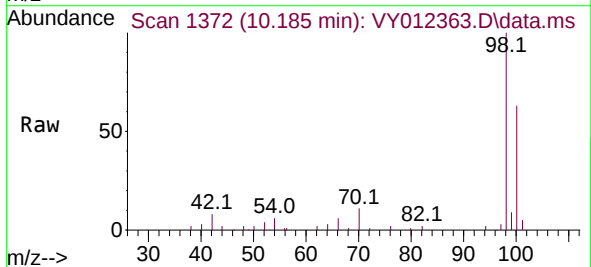
#38
Carbon Tetrachloride
Concen: 5.262 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY012363.D
Acq: 25 Jan 2023 17:52

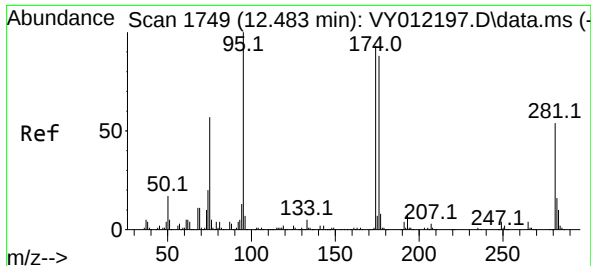
Tgt Ion: 117 Resp: 1111
Ion Ratio Lower Upper
117 100
119 0.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 62.872 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY012363.D
Acq: 25 Jan 2023 17:52

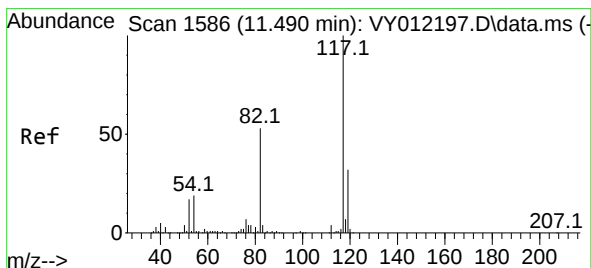
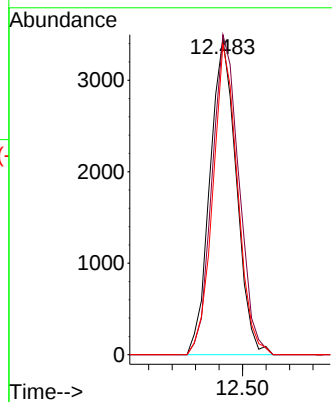
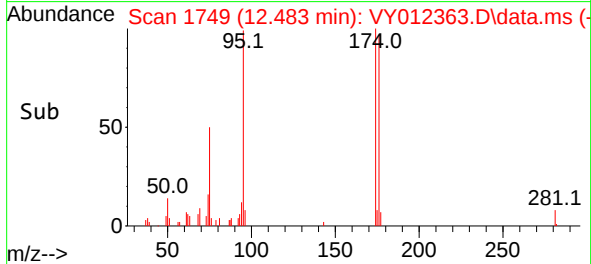
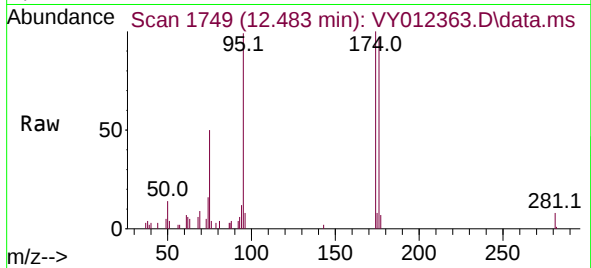
Tgt Ion: 98 Resp: 20582
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9





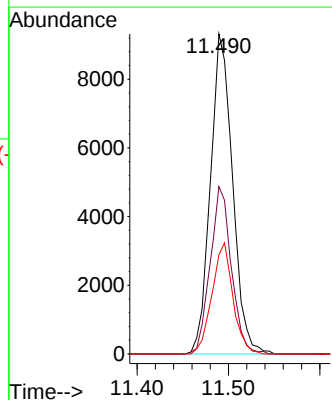
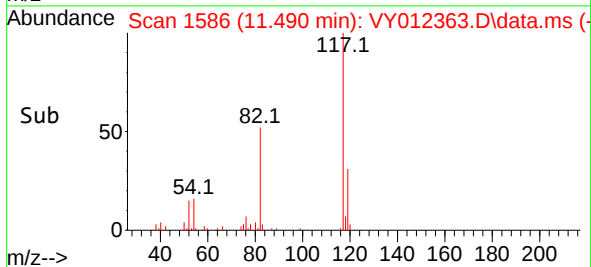
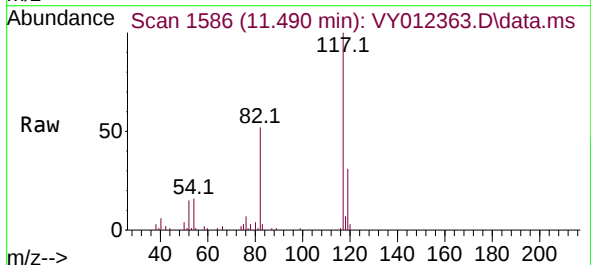
#62
4-Bromofluorobenzene
Concen: 39.713 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012363.D
Acq: 25 Jan 2023 17:52

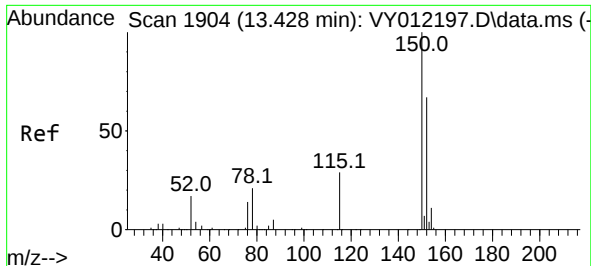
Tgt Ion:	95	Resp:	5385
Ion	Ratio	Lower	Upper
95	100		
174	102.7	0.0	172.0
176	92.1	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012363.D
Acq: 25 Jan 2023 17:52

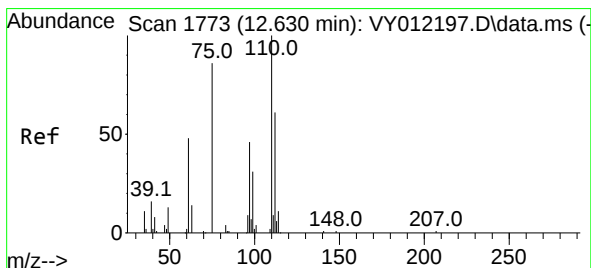
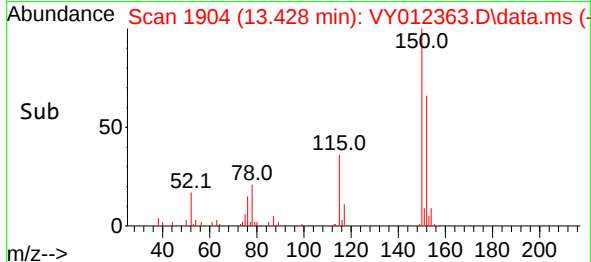
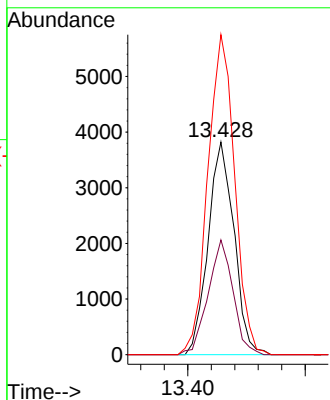
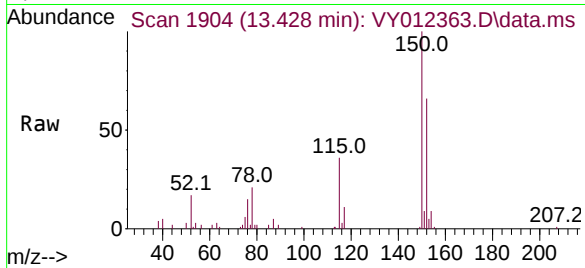
Tgt Ion:	117	Resp:	15657
Ion	Ratio	Lower	Upper
117	100		
82	52.3	44.8	67.2
119	30.9	25.4	38.2





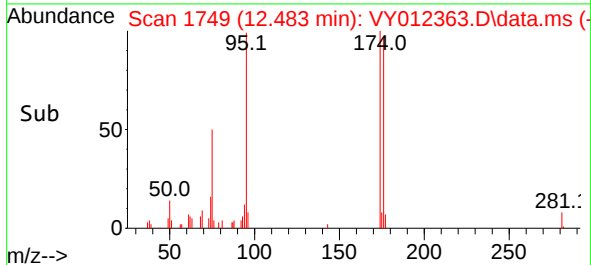
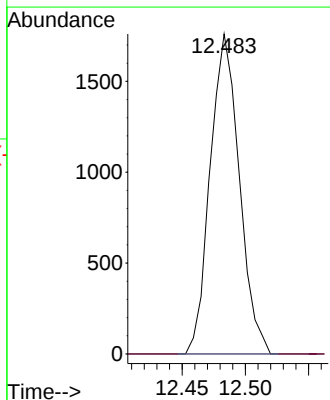
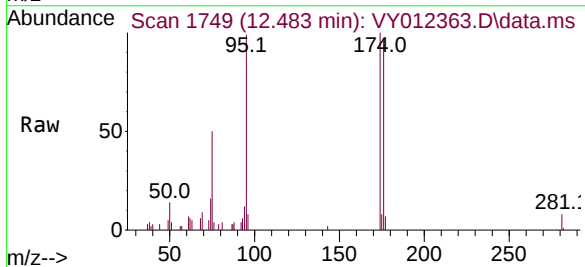
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.006 min
 Lab File: VY012363.D
 Acq: 25 Jan 2023 17:52

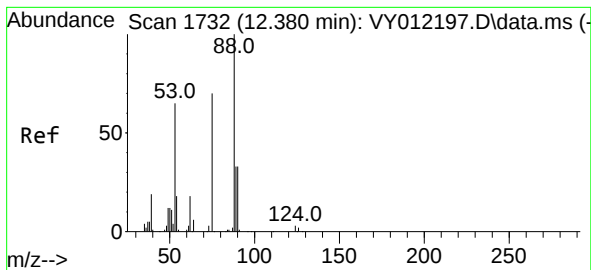
Tgt Ion:152 Resp: 5852
 Ion Ratio Lower Upper
 152 100
 115 51.8 29.1 87.3
 150 155.8 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 52.498 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY012363.D
 Acq: 25 Jan 2023 17:52

Tgt Ion: 75 Resp: 2825
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.170 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.109 min
 Lab File: VY012363.D
 Acq: 25 Jan 2023 17:52

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.5	108.7#
89	0.0	37.0	55.4#

