

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091923\
 Data File : VD077152.D
 Acq On : 19 Sep 2023 17:55
 Operator : JC/SY
 Sample : 04479-05
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 20 02:04:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

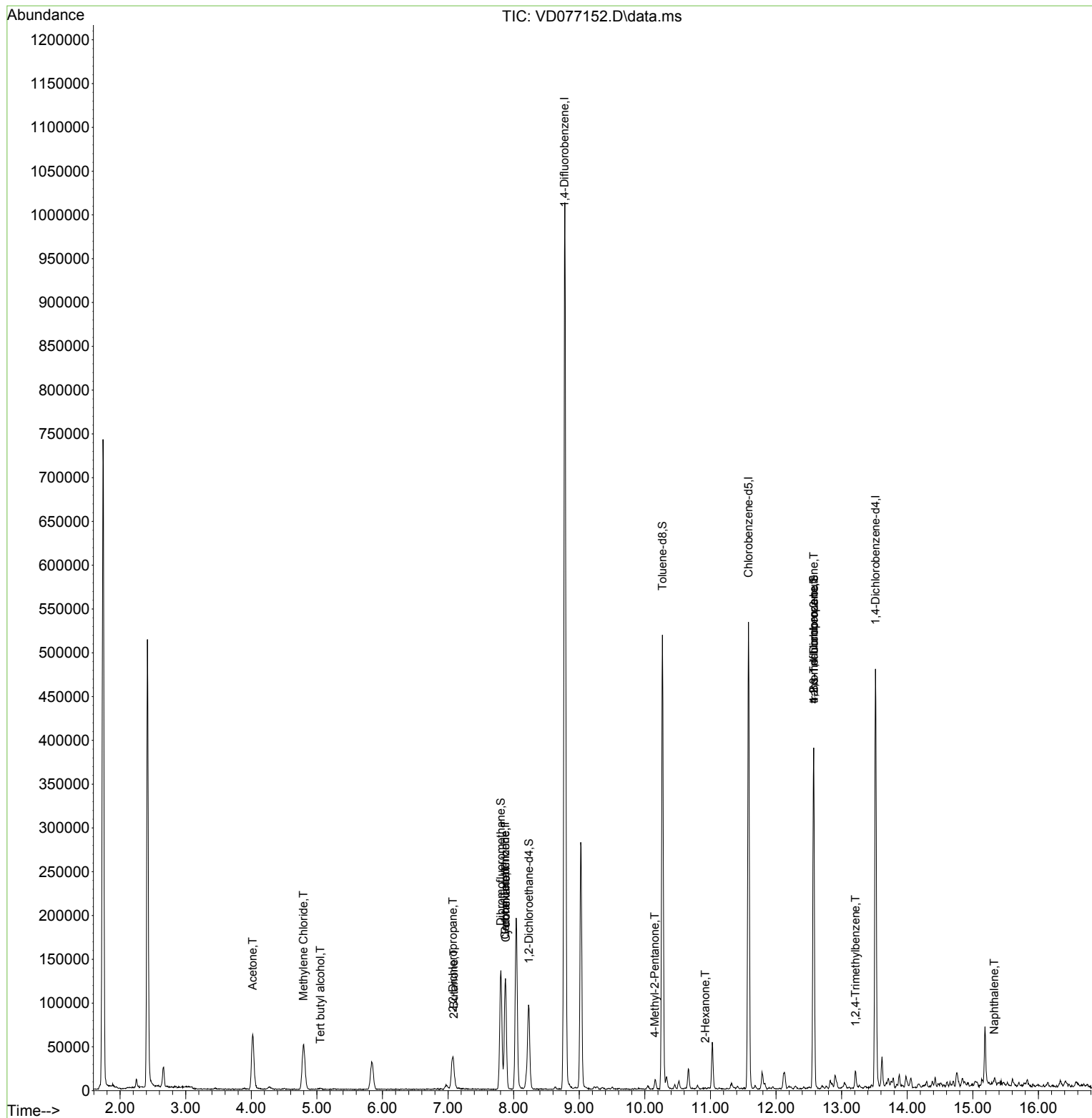
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

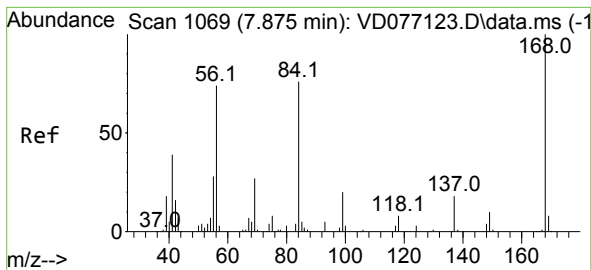
Internal Standards						
1) Pentafluorobenzene	7.875	168	100481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	314016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	319146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	134155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	70133	69.160	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	138.320%
35) Dibromofluoromethane	7.804	113	99191	45.477	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.960%
50) Toluene-d8	10.269	98	363614	46.836	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.680%
62) 4-Bromofluorobenzene	12.575	95	118182	49.114	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.052	59	1409	24.370	ug/l #	73
13) Acrolein	3.899	56	53	Below Cal	#	15
16) Acetone	4.022	43	106993	461.639	ug/l #	80
20) Methylene Chloride	4.793	84	41346	24.341	ug/l #	91
25) 2-Butanone	7.087	43	6908	22.656	ug/l	89
26) 2,2-Dichloropropane	7.075	77	2685	1.367	ug/l #	49
31) Cyclohexane	7.881	56	2790	1.573	ug/l #	76
38) Carbon Tetrachloride	7.869	117	9521	2.949	ug/l #	19
51) 4-Methyl-2-Pentanone	10.151	43	7171	5.909	ug/l #	85
59) 2-Hexanone	10.922	43	1314	1.509	ug/l #	49
76) 1,2,3-Trichloropropane	12.575	75	58782	54.930	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	58782	103.972	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.210	105	11914	1.419	ug/l	93
95) Naphthalene	15.328	128	5710	1.160	ug/l #	85

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

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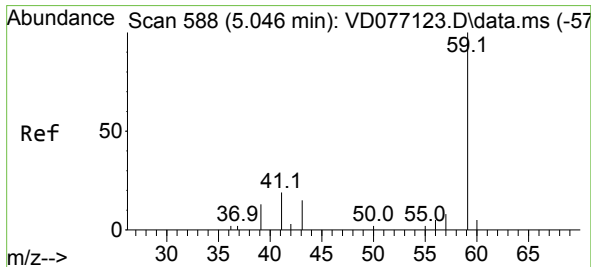
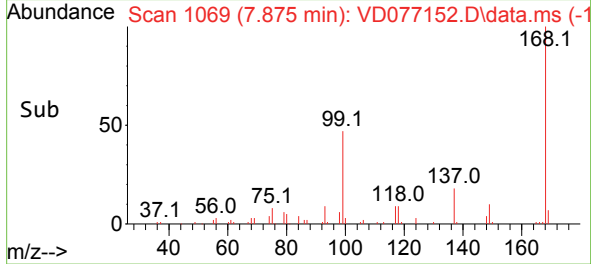
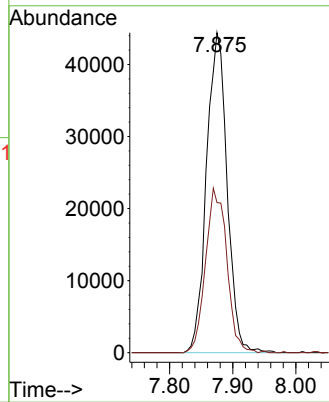
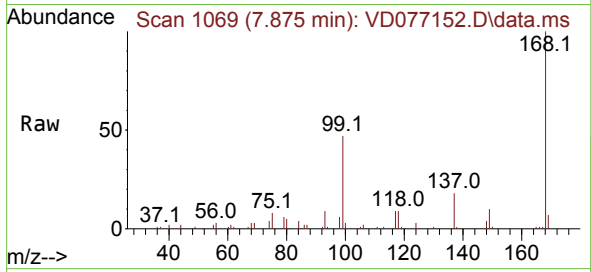
Quant Time: Sep 20 02:04:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
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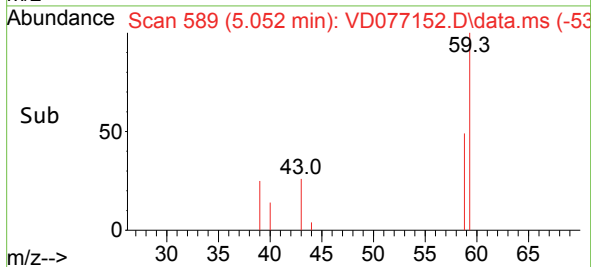
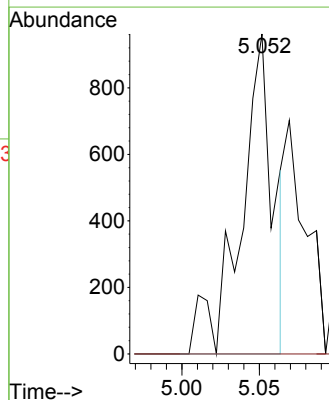
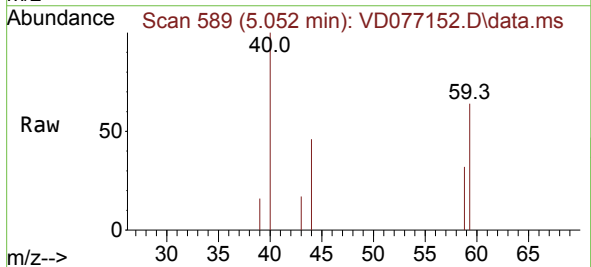
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

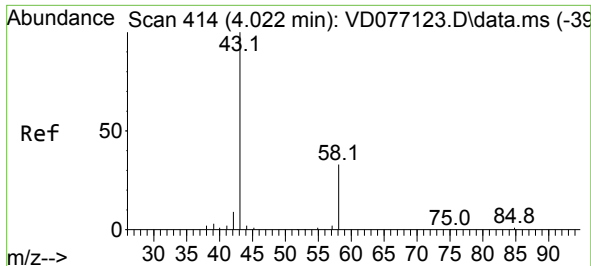
Tgt Ion:168 Resp: 100481
Ion Ratio Lower Upper
168 100
99 46.9 36.7 55.1



#11
Tert butyl alcohol
Concen: 24.370 ug/l
RT: 5.052 min Scan# 589
Delta R.T. 0.006 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

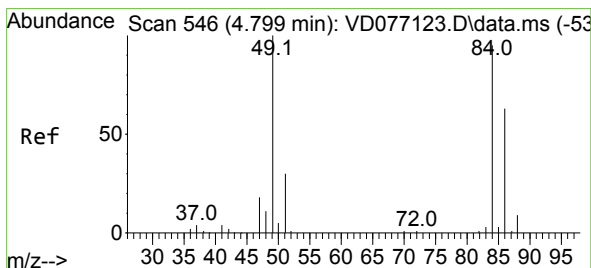
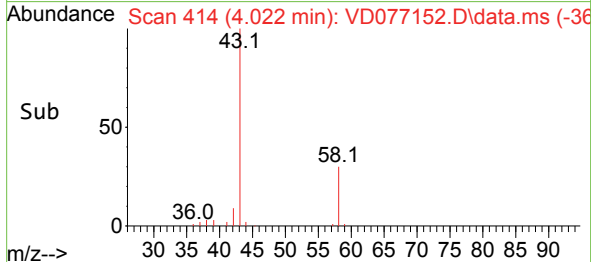
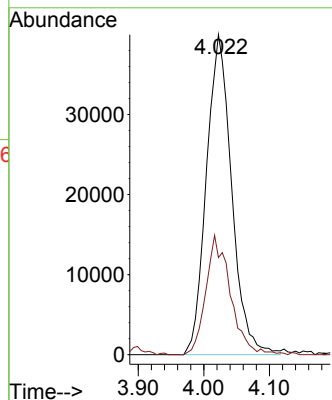
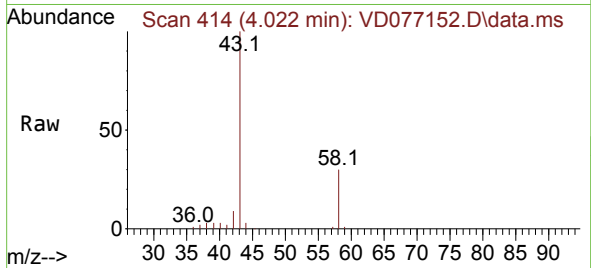
Tgt Ion: 59 Resp: 1409
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





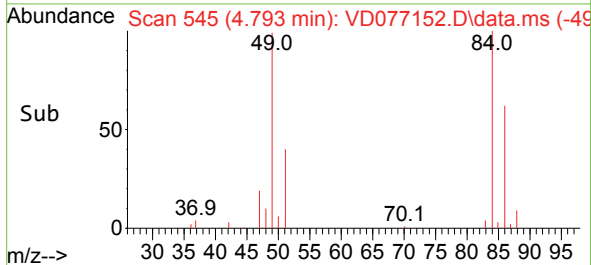
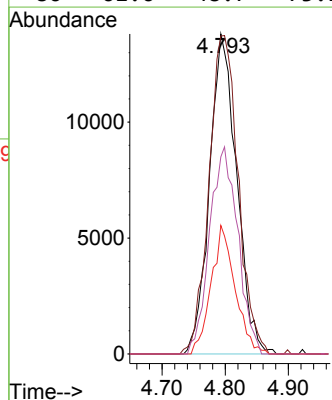
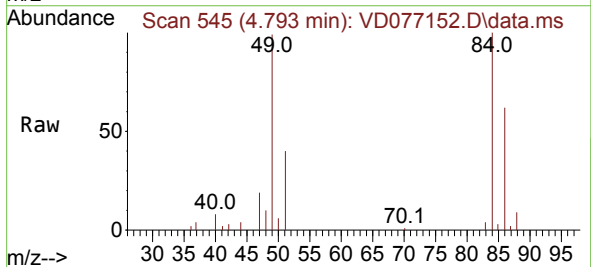
#16
Acetone
Concen: 461.639 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

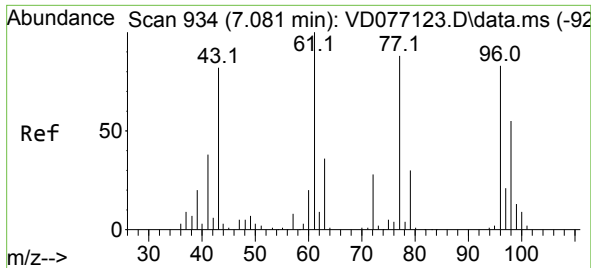
Tgt Ion: 43 Resp: 106993
Ion Ratio Lower Upper
43 100
58 30.4 34.7 52.1#



#20
Methylene Chloride
Concen: 24.341 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

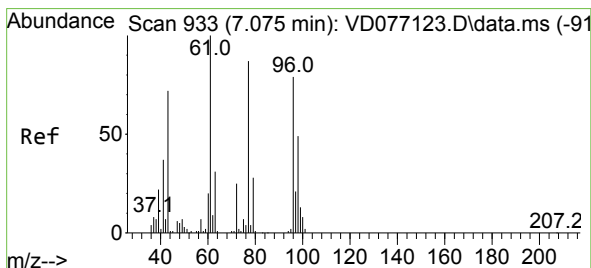
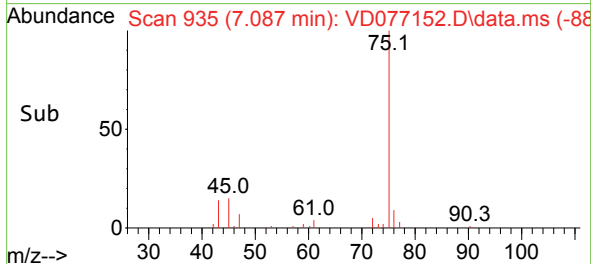
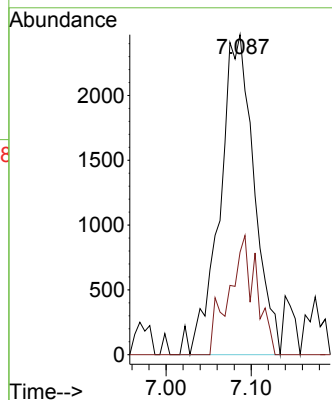
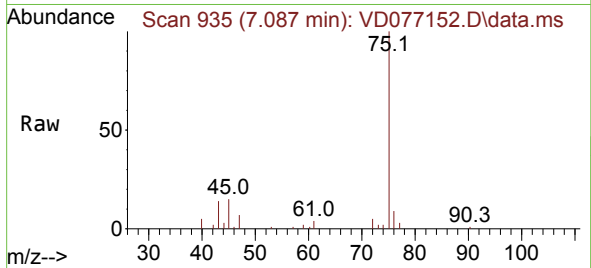
Tgt Ion: 84 Resp: 41346
Ion Ratio Lower Upper
84 100
49 99.4 71.4 107.2
51 40.1 24.5 36.7#
86 61.6 48.7 73.1





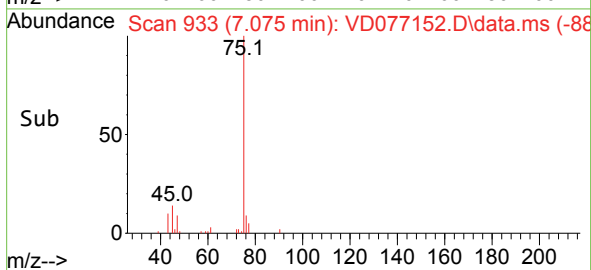
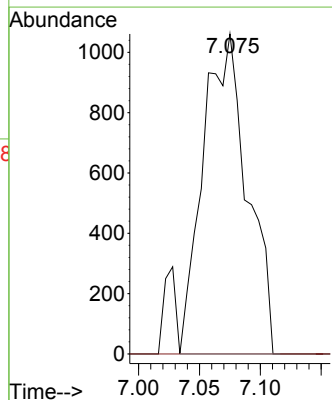
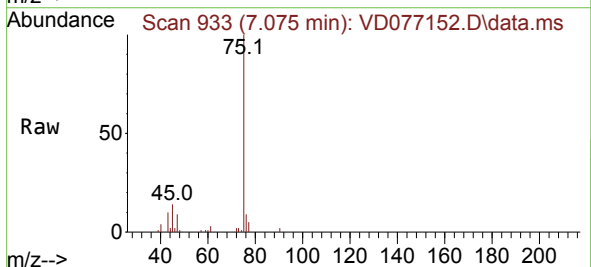
#25
2-Butanone
Concen: 22.656 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

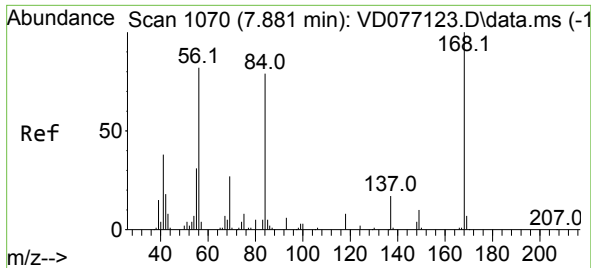
Tgt Ion: 43 Resp: 6908
Ion Ratio Lower Upper
43 100
72 32.0 30.7 46.1



#26
2,2-Dichloropropane
Concen: 1.367 ug/l
RT: 7.075 min Scan# 933
Delta R.T. 0.000 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

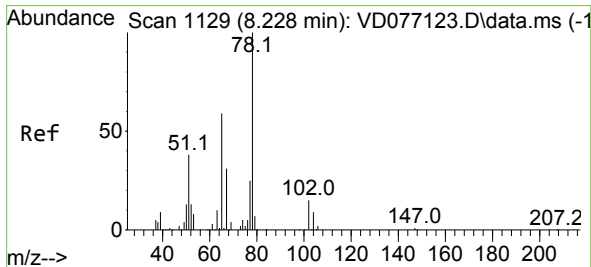
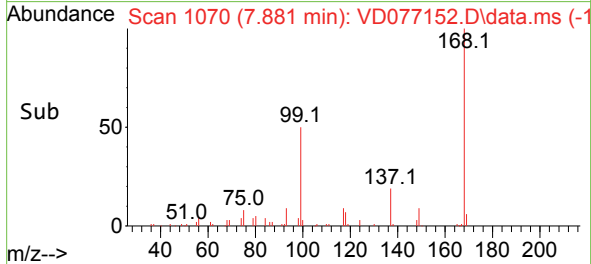
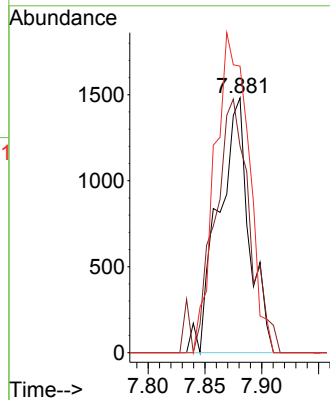
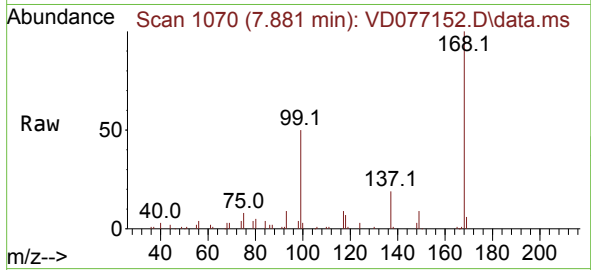
Tgt Ion: 77 Resp: 2685
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#





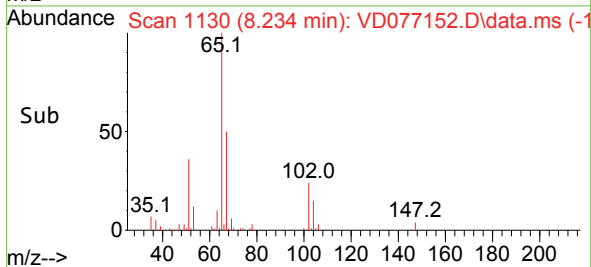
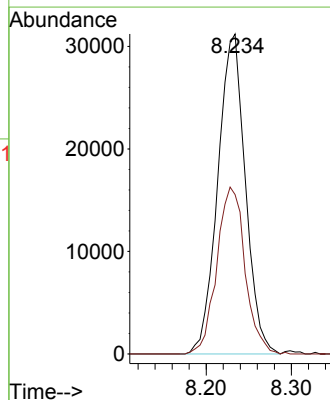
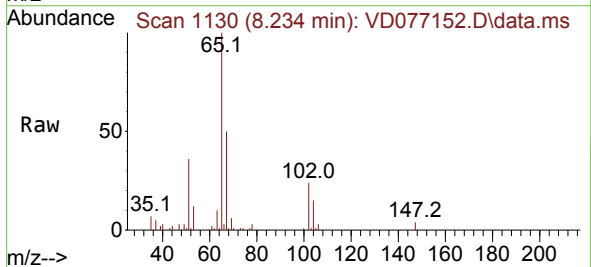
#31
Cyclohexane
Concen: 1.573 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

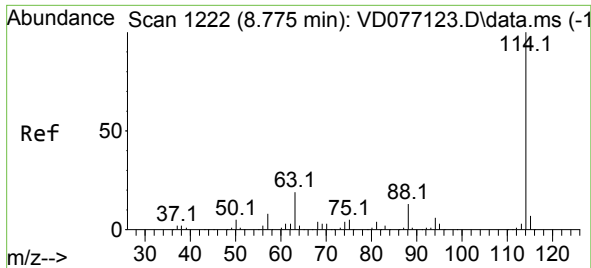
Tgt Ion	Ratio	Lower	Upper
56	100		
69	81.1	28.6	43.0#
84	112.6	84.8	127.2



#33
1,2-Dichloroethane-d4
Concen: 69.160 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

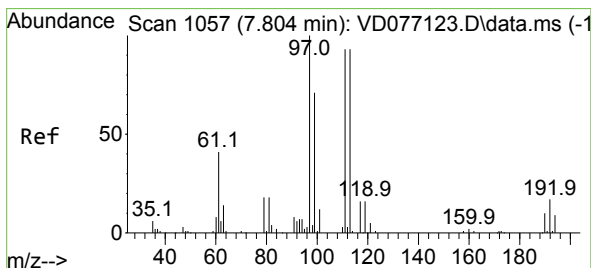
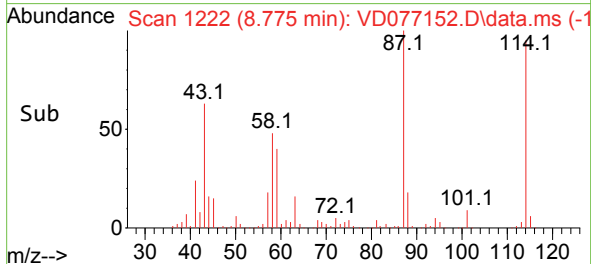
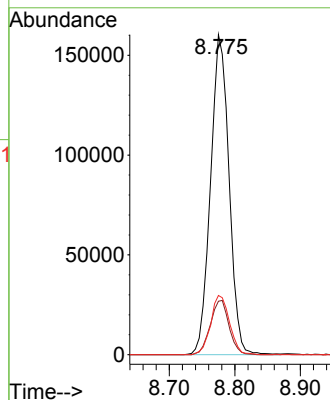
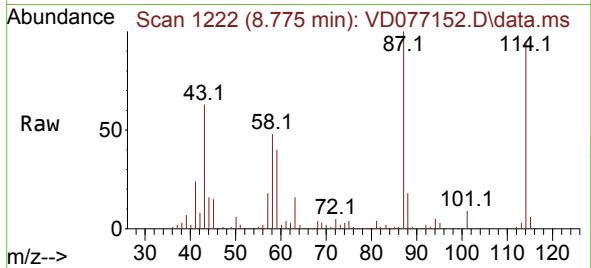
Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	115.0





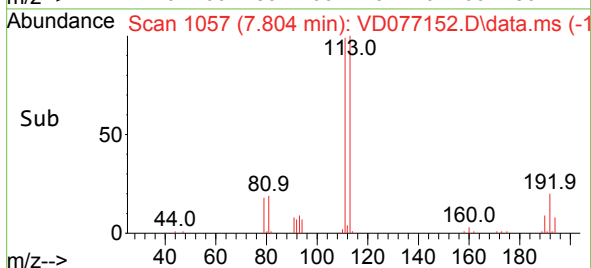
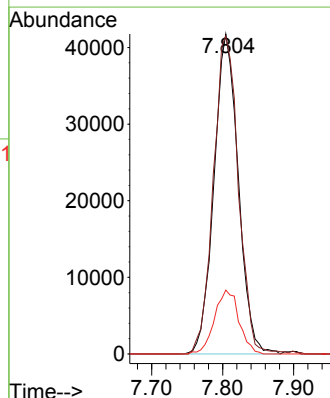
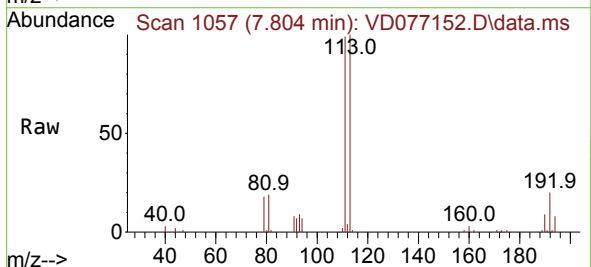
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

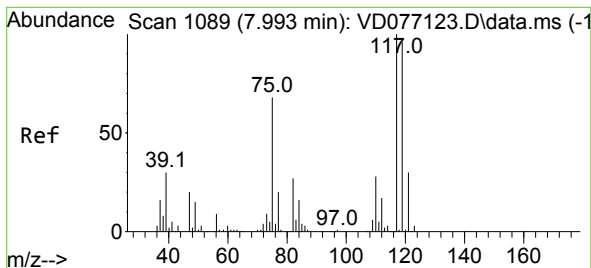
Tgt Ion:114 Resp: 314016
Ion Ratio Lower Upper
114 100
63 16.7 0.0 33.4
88 18.5 0.0 26.2



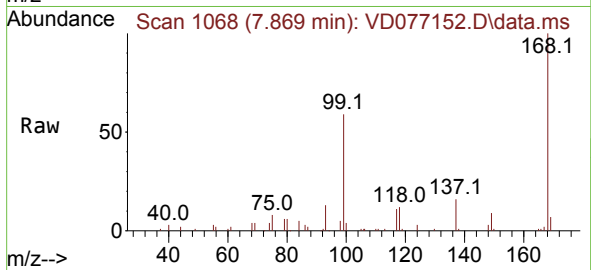
#35
Dibromofluoromethane
Concen: 45.477 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

Tgt Ion:113 Resp: 99191
Ion Ratio Lower Upper
113 100
111 102.2 84.7 127.1
192 20.1 16.8 25.2

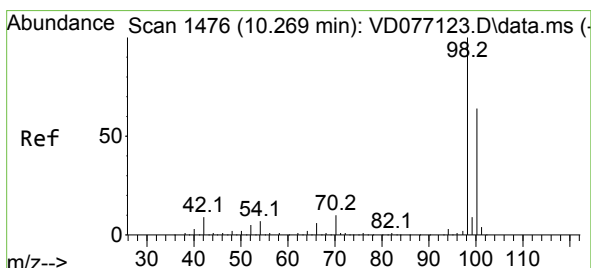
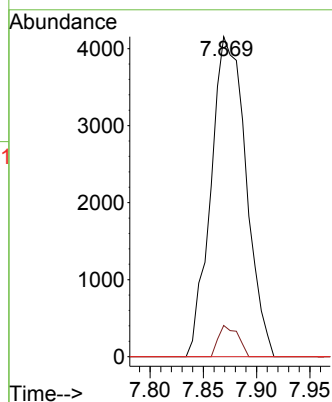
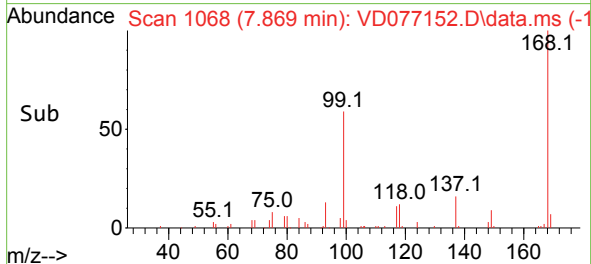




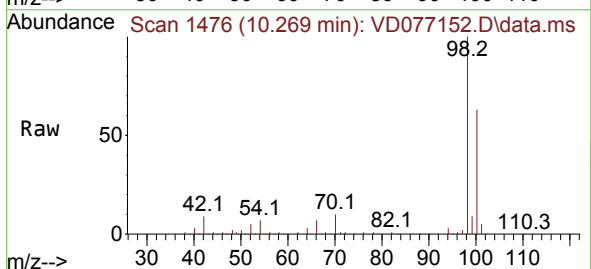
#38
Carbon Tetrachloride
Concen: 2.949 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.123 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55



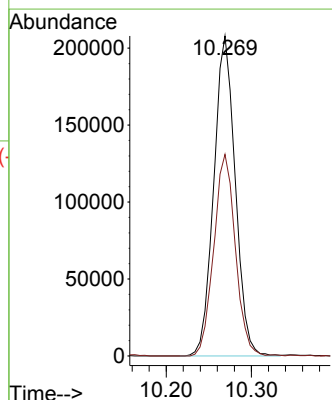
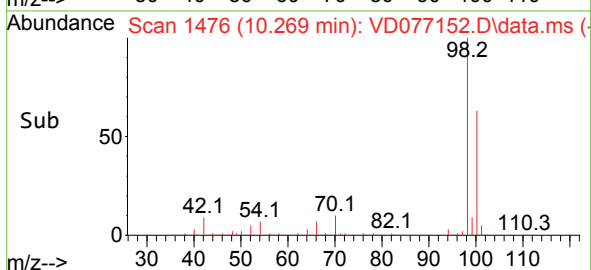
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Ion Ratio Lower Upper
117 100
119 9.7 78.0 117.0#
121 0.0 24.2 36.2#

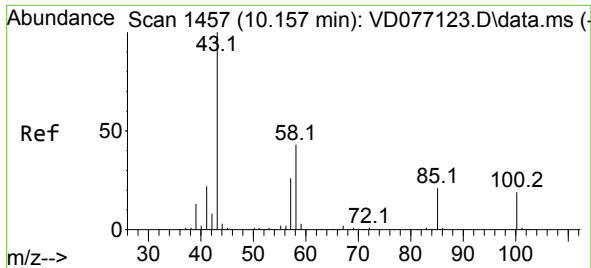


#50
Toluene-d8
Concen: 46.836 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55



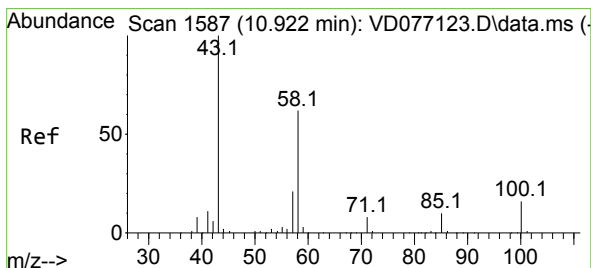
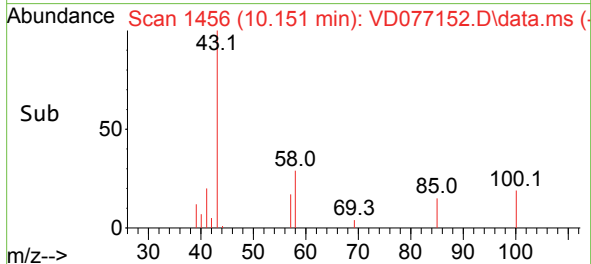
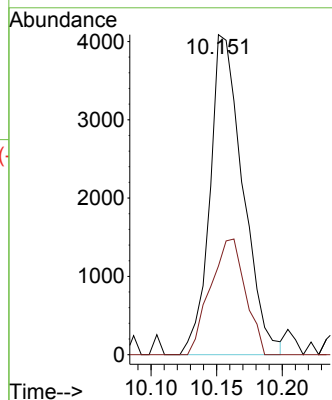
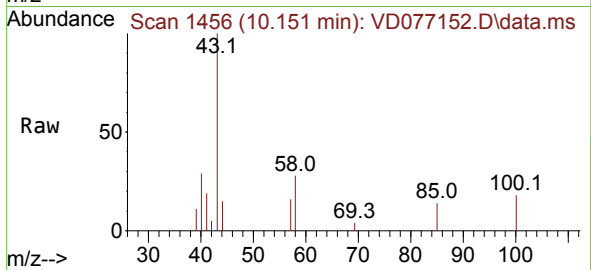
Tgt Ion: 98 Resp: 363614
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5





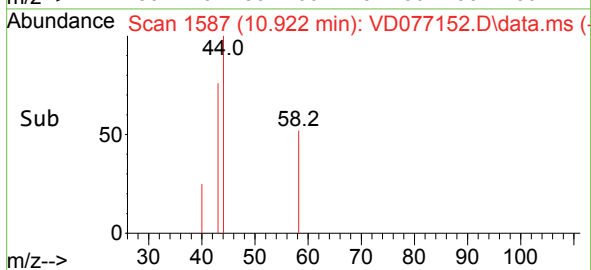
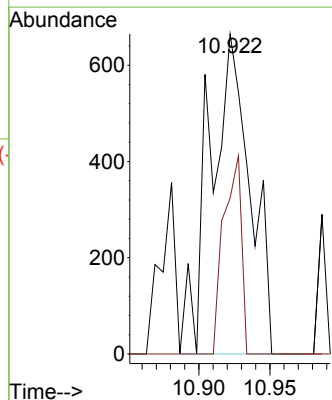
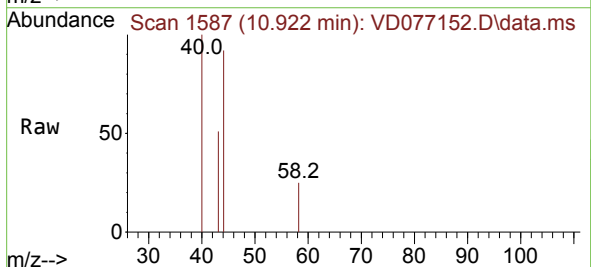
#51
4-Methyl-2-Pentanone
Concen: 5.909 ug/l
RT: 10.151 min Scan# 1456
Delta R.T. -0.006 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

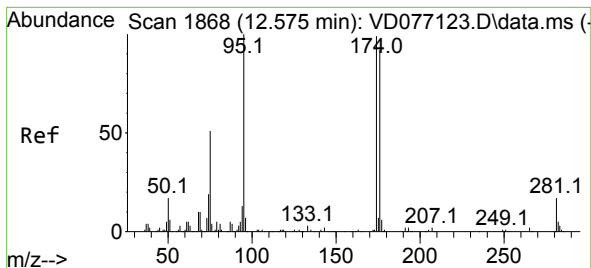
Tgt Ion: 43 Resp: 7171
Ion Ratio Lower Upper
43 100
58 38.1 38.9 58.3#



#59
2-Hexanone
Concen: 1.509 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

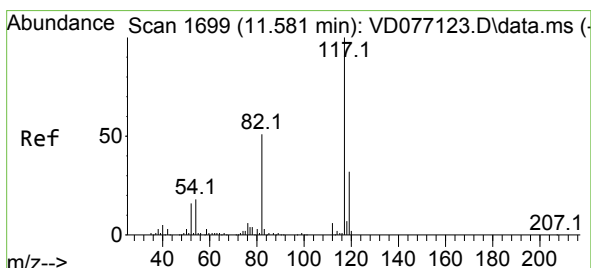
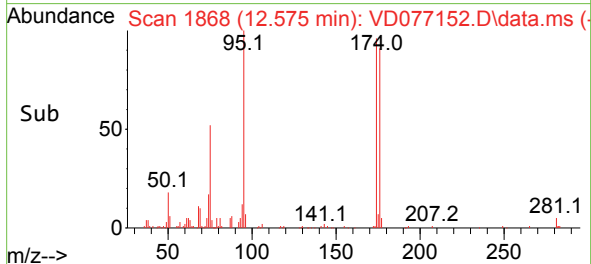
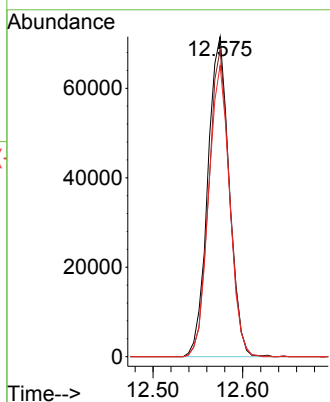
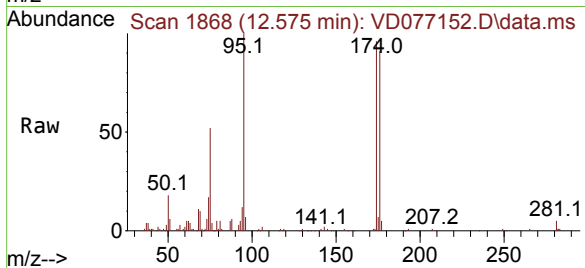
Tgt Ion: 43 Resp: 1314
Ion Ratio Lower Upper
43 100
58 27.2 34.1 102.2#





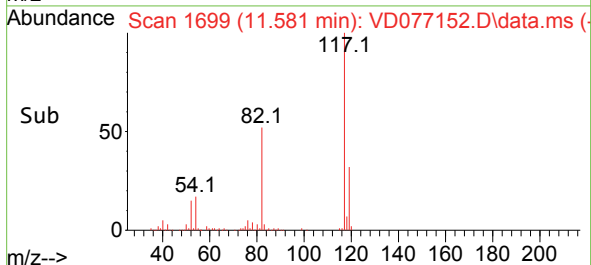
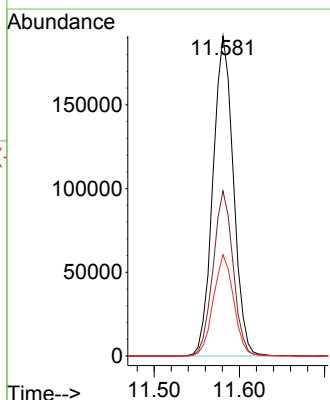
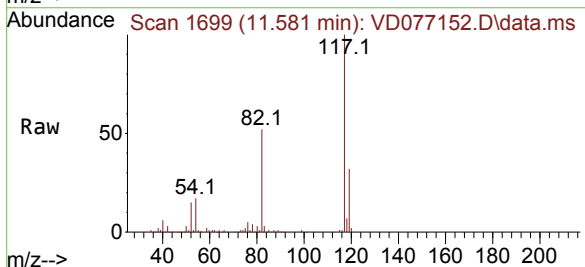
#62
4-Bromofluorobenzene
Concen: 49.114 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

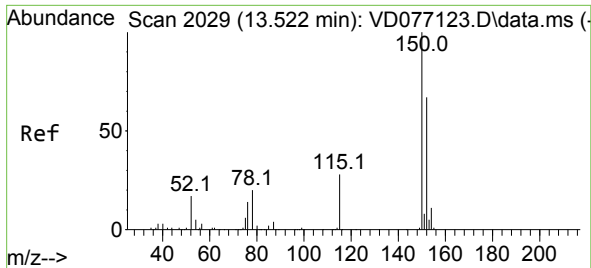
Tgt Ion:	95	Resp:	118182
Ion Ratio	Lower	Upper	
95	100		
174	93.3	0.0	201.8
176	89.2	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

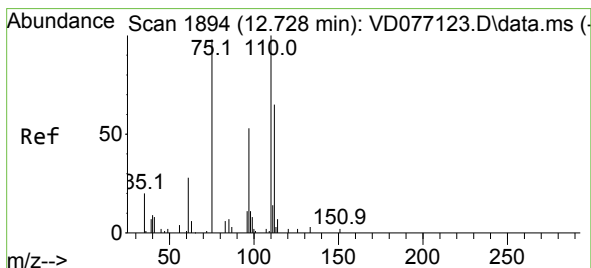
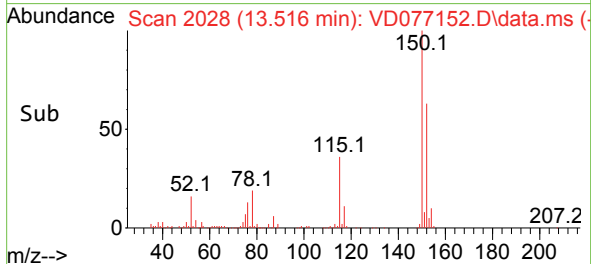
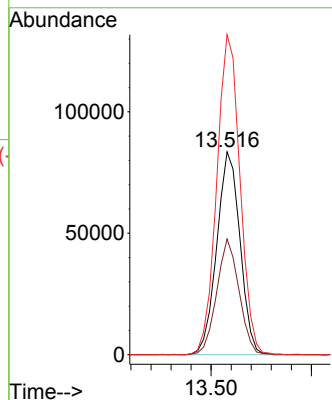
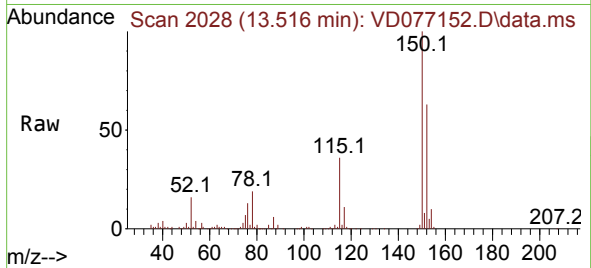
Tgt Ion:	117	Resp:	319146
Ion Ratio	Lower	Upper	
117	100		
82	51.6	38.3	57.5
119	31.7	25.0	37.4





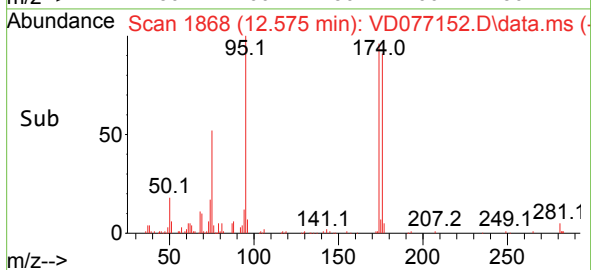
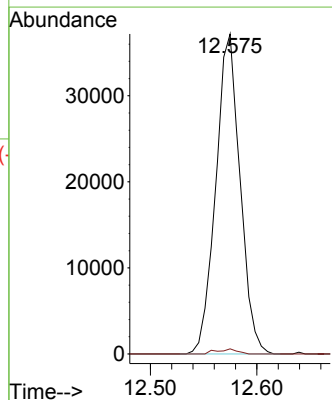
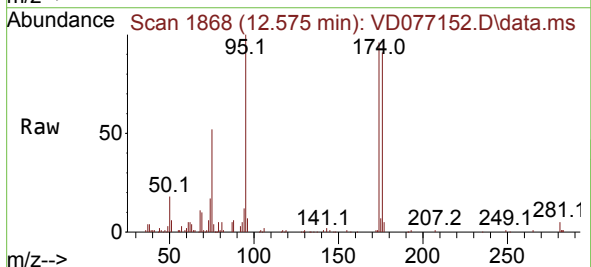
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: VD077152.D
 Acq: 19 Sep 2023 17:55

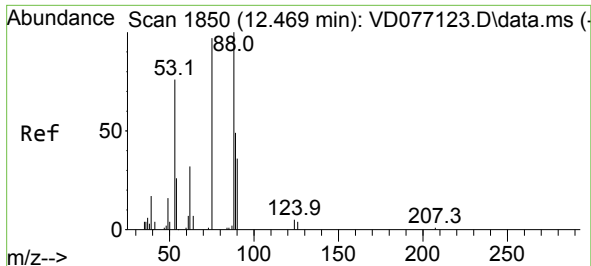
Tgt Ion:152 Resp: 134155
 Ion Ratio Lower Upper
 152 100
 115 55.0 27.1 81.3
 150 157.9 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 54.930 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD077152.D
 Acq: 19 Sep 2023 17:55

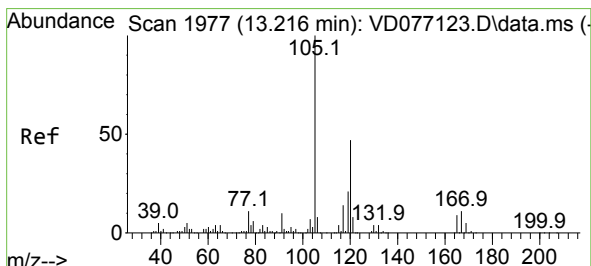
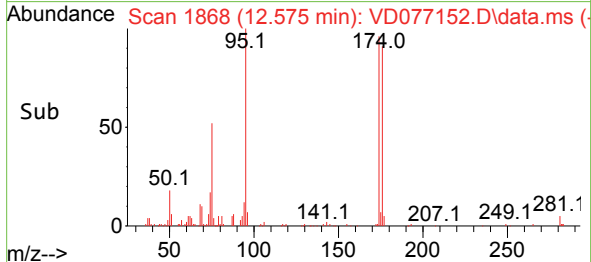
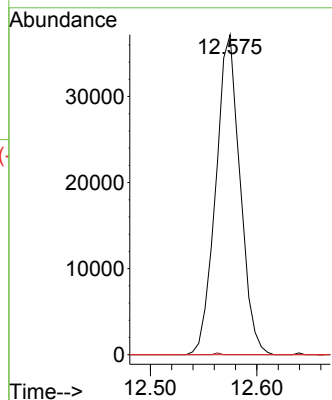
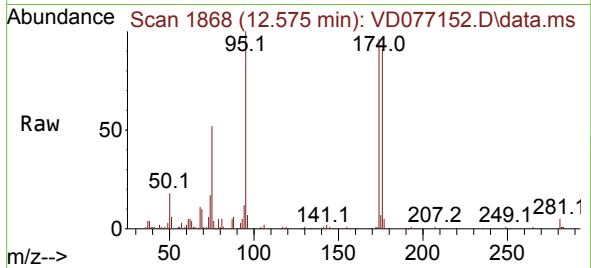
Tgt Ion: 75 Resp: 58782
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





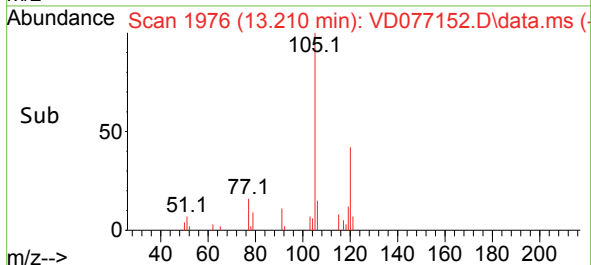
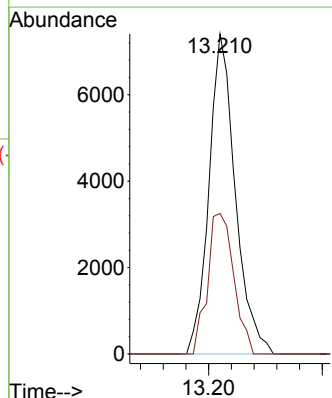
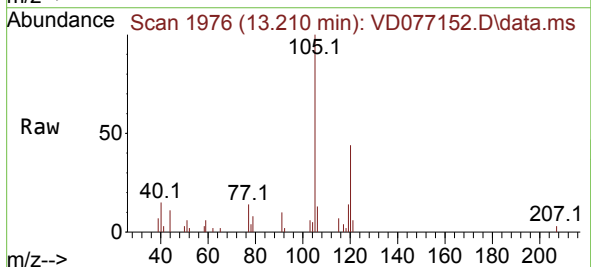
#81
trans-1,4-Dichloro-2-butene
Concen: 103.972 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

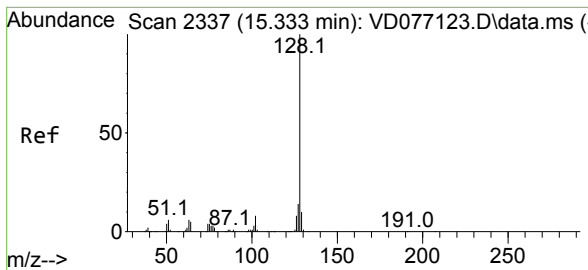
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.0	37.9	56.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.419 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. -0.006 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	24.3	72.9





#95
Naphthalene
Concen: 1.160 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

Tgt Ion:	128	Resp:	5710
Ion Ratio	Lower	Upper	
128	100		
127	22.4	10.5	15.7#
129	13.0	8.7	13.1

