

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080723\
 Data File : VD076941.D
 Acq On : 07 Aug 2023 19:56
 Operator : KP/SY
 Sample : 03903-04
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-04

Quant Time: Aug 08 04:41:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

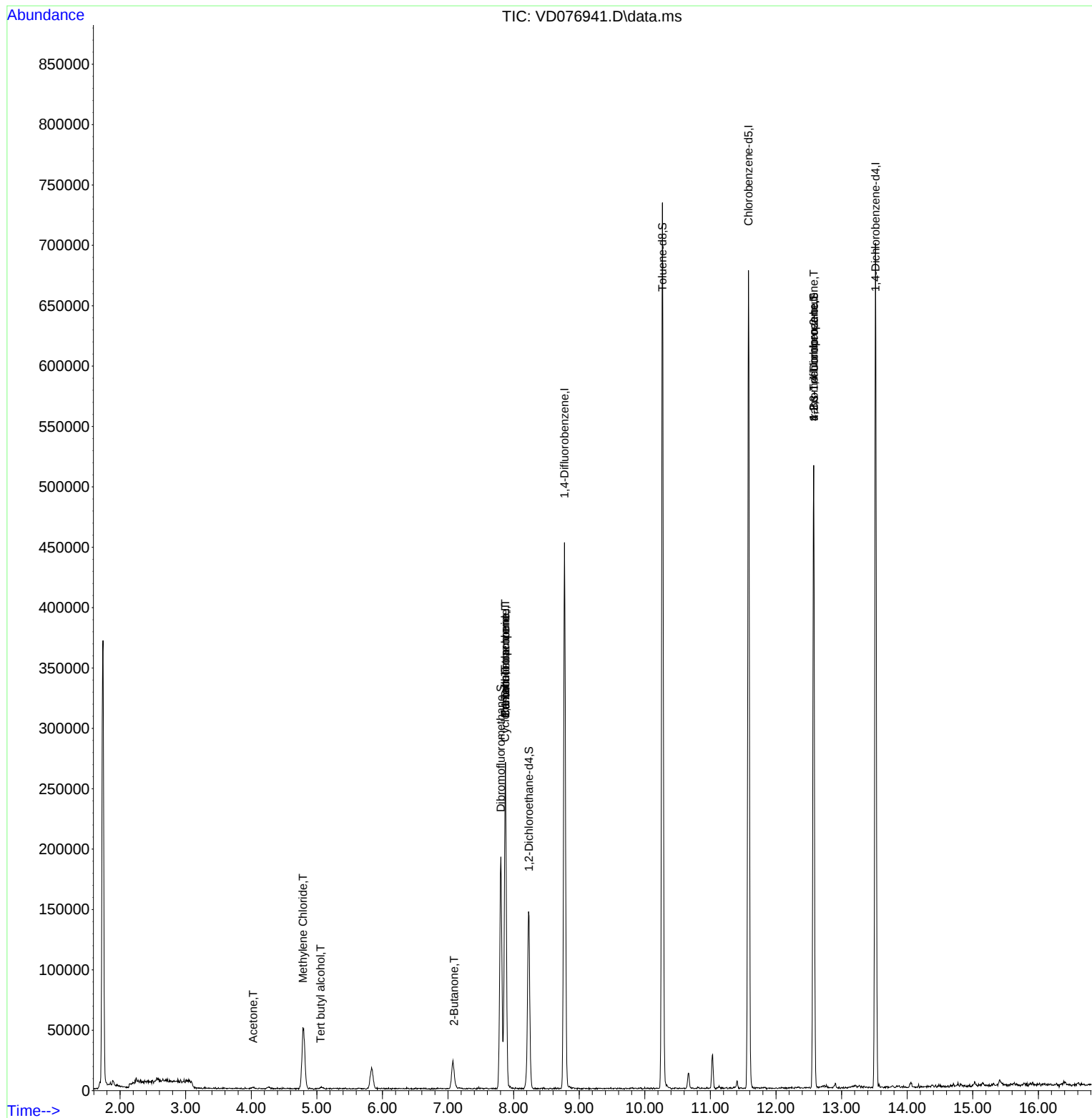
Internal Standards						
1) Pentafluorobenzene	7.875	168	200688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	415969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	407904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	186055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	112744	56.403	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 112.800%		
35) Dibromofluoromethane	7.805	113	139147	53.232	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 106.460%		
50) Toluene-d8	10.269	98	507021	54.220	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 108.440%		
62) 4-Bromofluorobenzene	12.575	95	156745	51.815	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 103.620%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.058	59	934	6.262	ug/l #	93
16) Acetone	4.028	43	1482	3.104	ug/l	98
20) Methylene Chloride	4.787	84	41451	5.393	ug/l	91
25) 2-Butanone	7.093	43	896	1.402	ug/l #	37
31) Cyclohexane	7.869	56	4196	1.426	ug/l #	16
36) 1,1-Dichloropropene	7.875	75	16981	4.971	ug/l #	46
38) Carbon Tetrachloride	7.875	117	20638	6.310	ug/l #	19
76) 1,2,3-Trichloropropane	12.575	75	83660	47.283	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	83660	100.630	ug/l #	17

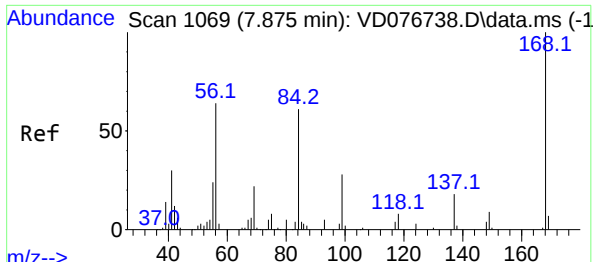
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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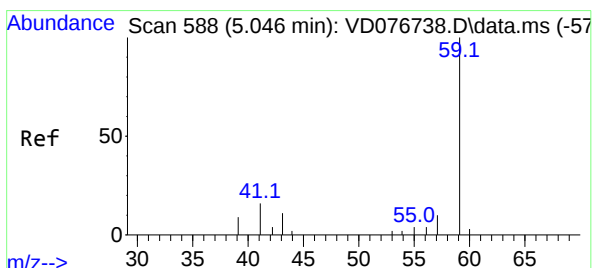
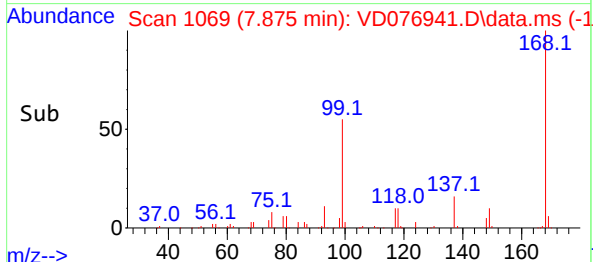
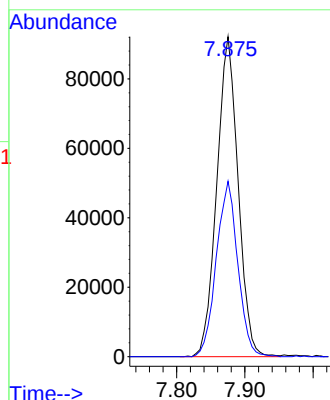
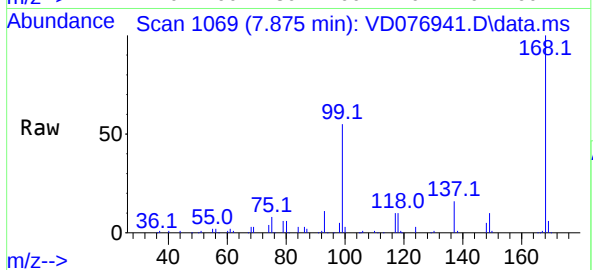




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076941.D
Acq: 07 Aug 2023 19:56

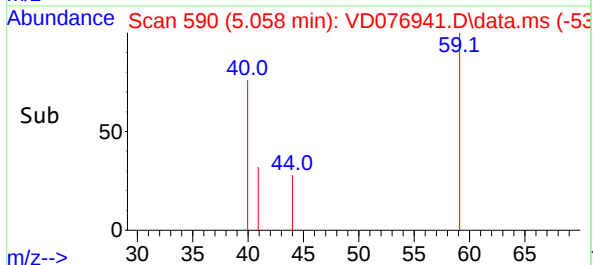
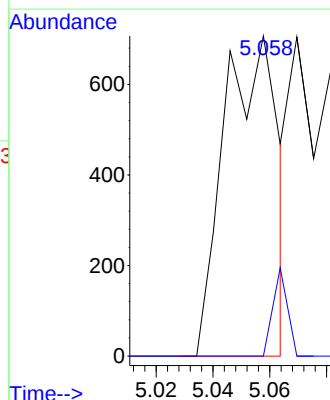
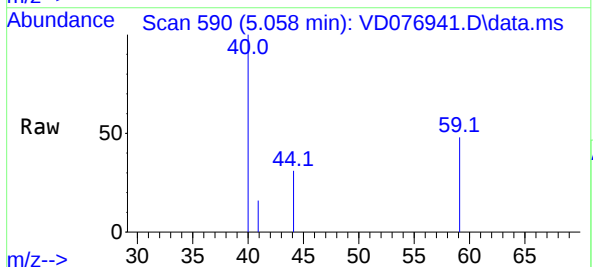
Instrument :
MSVOA_D
ClientSampleId :
MW-04

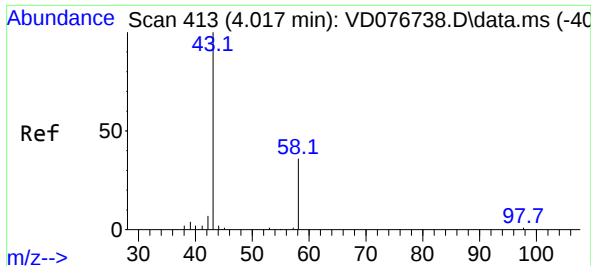
Tgt Ion:168 Resp: 200688
Ion Ratio Lower Upper
168 100
99 54.8 36.7 55.1



#11
Tert butyl alcohol
Concen: 6.262 ug/l
RT: 5.058 min Scan# 590
Delta R.T. 0.012 min
Lab File: VD076941.D
Acq: 07 Aug 2023 19:56

Tgt Ion: 59 Resp: 934
Ion Ratio Lower Upper
59 100
57 7.4 7.8 11.8#

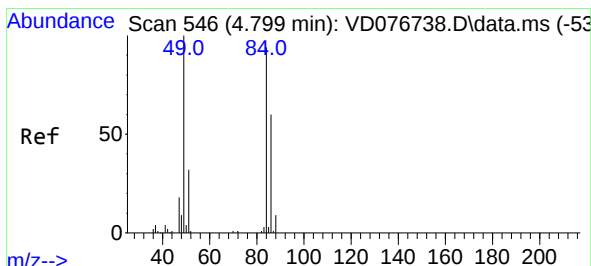
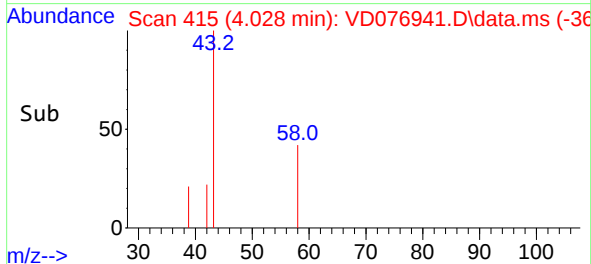
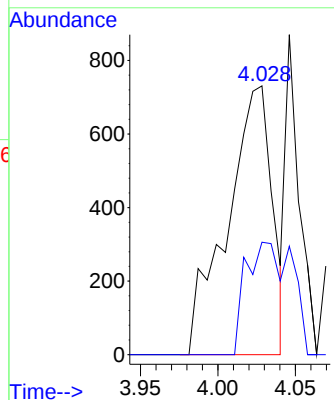
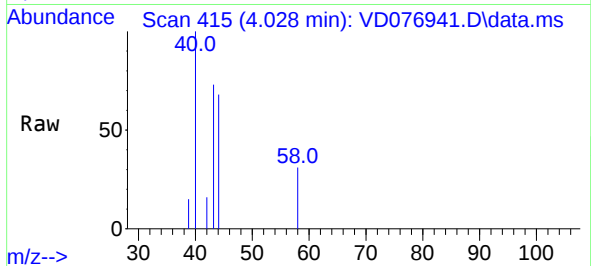




#16
Acetone
Concen: 3.104 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD076941.D
Acq: 07 Aug 2023 19:56

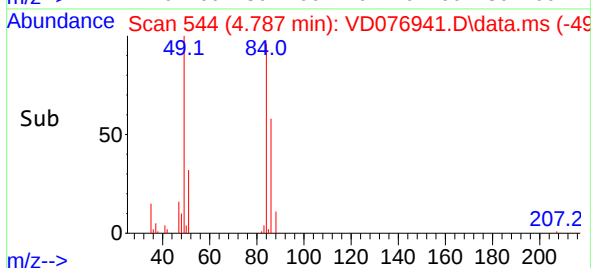
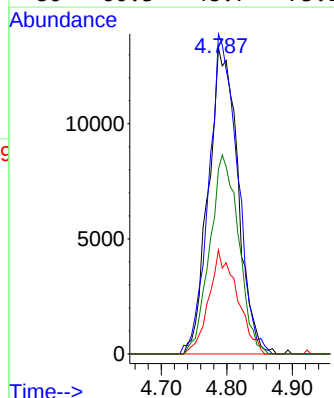
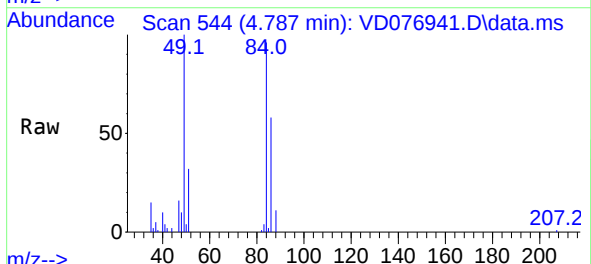
Instrument :
MSVOA_D
ClientSampleId :
MW-04

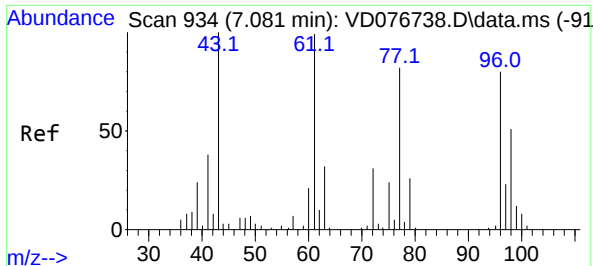
Tgt Ion: 43 Resp: 1482
Ion Ratio Lower Upper
43 100
58 41.9 34.7 52.1



#20
Methylene Chloride
Concen: 5.393 ug/l
RT: 4.787 min Scan# 544
Delta R.T. -0.012 min
Lab File: VD076941.D
Acq: 07 Aug 2023 19:56

Tgt Ion: 84 Resp: 41451
Ion Ratio Lower Upper
84 100
49 104.5 71.4 107.2
51 33.9 24.5 36.7
86 60.3 48.7 73.1

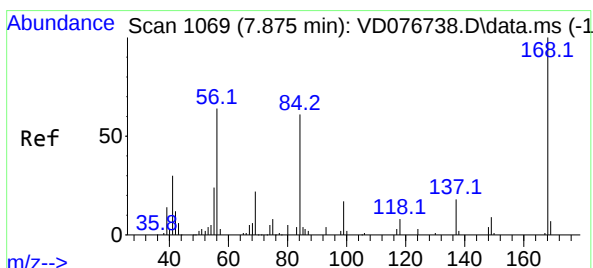
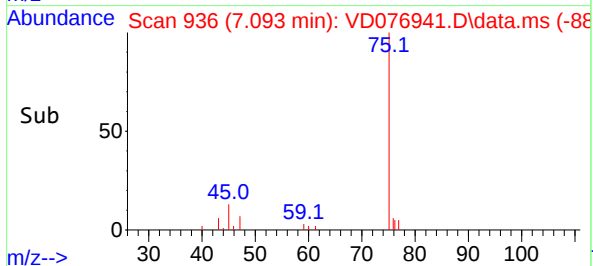
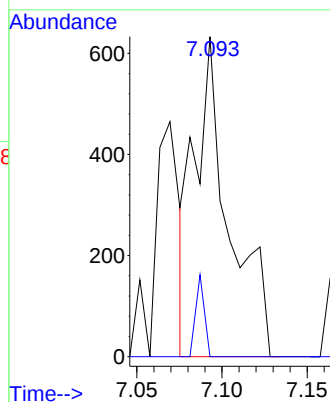
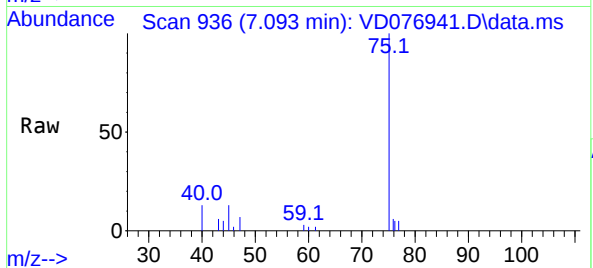




#25
2-Butanone
Concen: 1.402 ug/l
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD076941.D
Acq: 07 Aug 2023 19:56

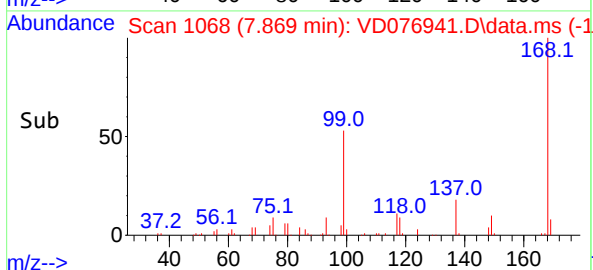
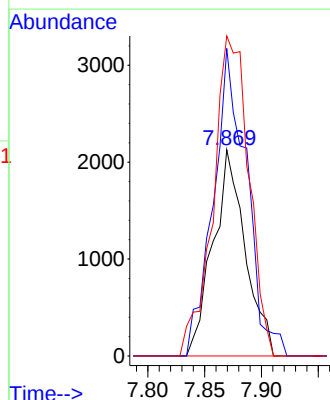
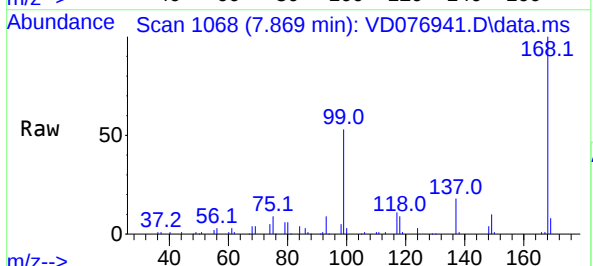
Instrument :
MSVOA_D
ClientSampleId :
MW-04

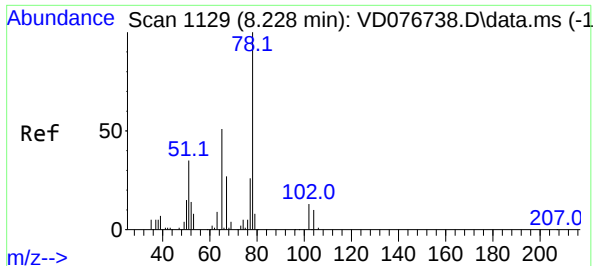
Tgt Ion: 43 Resp: 896
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.426 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076941.D
Acq: 07 Aug 2023 19:56

Tgt Ion: 56 Resp: 4196
Ion Ratio Lower Upper
56 100
69 149.1 28.6 43.0#
84 155.1 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 56.403 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD076941.D

Acq: 07 Aug 2023 19:56

Instrument :

MSVOA_D

ClientSampleId :

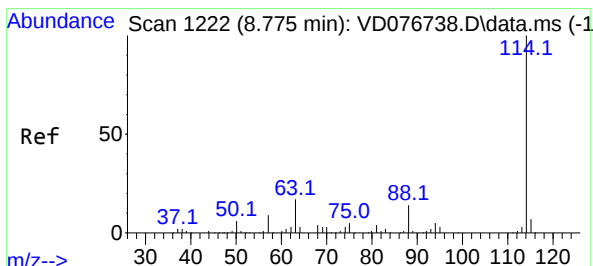
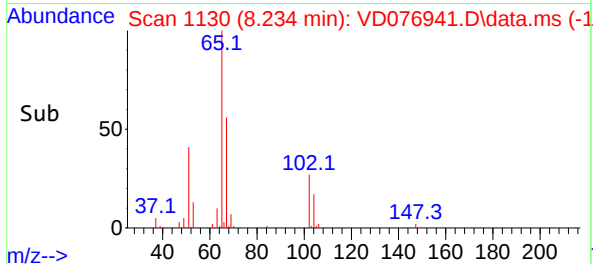
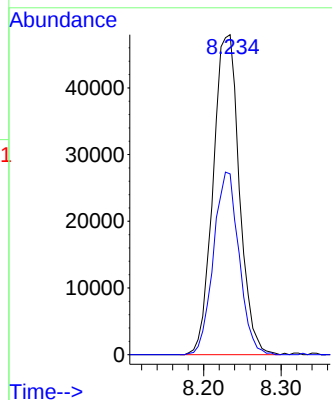
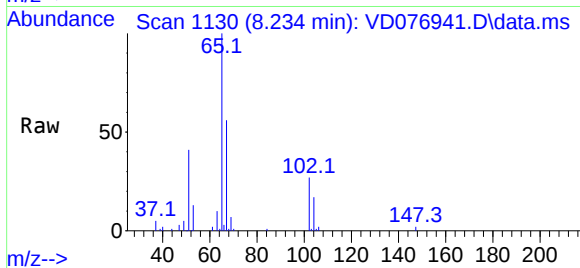
MW-04

Tgt Ion: 65 Resp: 112744

Ion Ratio Lower Upper

65 100

67 55.5 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: VD076941.D

Acq: 07 Aug 2023 19:56

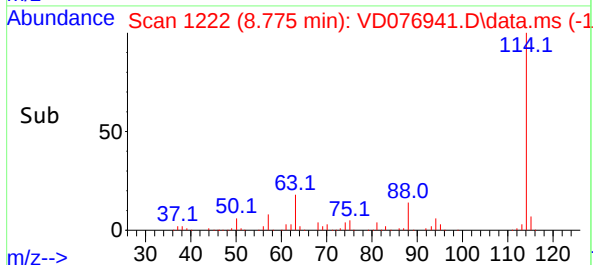
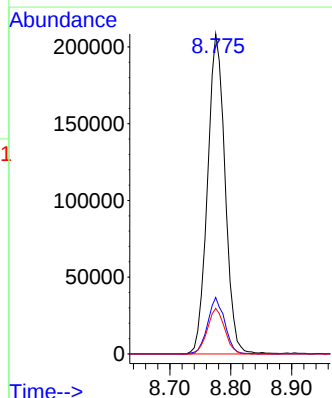
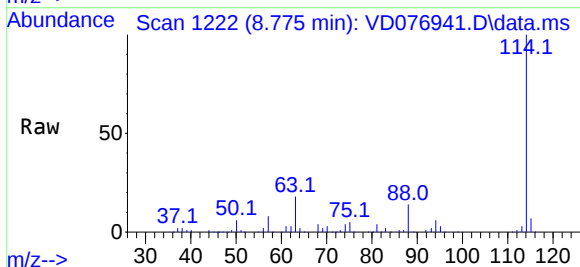
Tgt Ion: 114 Resp: 415969

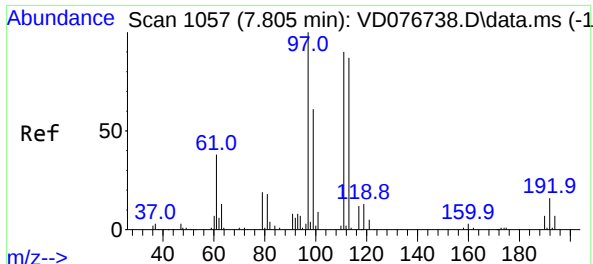
Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.4

88 14.3 0.0 26.2

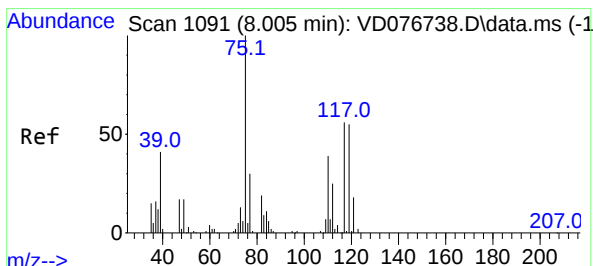
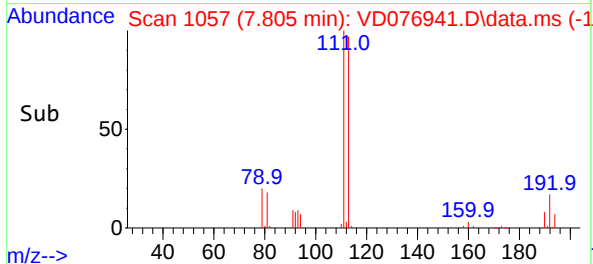
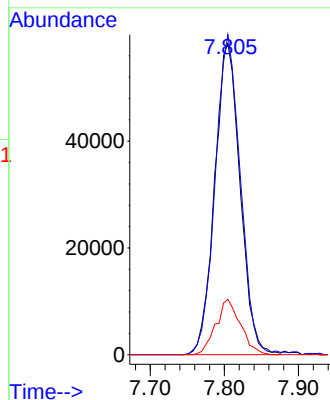
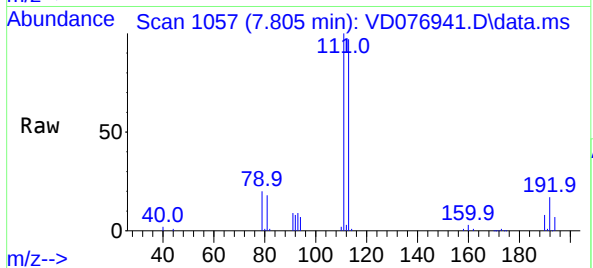




#35
Dibromofluoromethane
Concen: 53.232 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076941.D
Acq: 07 Aug 2023 19:56

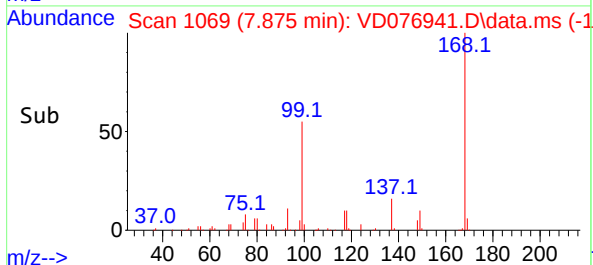
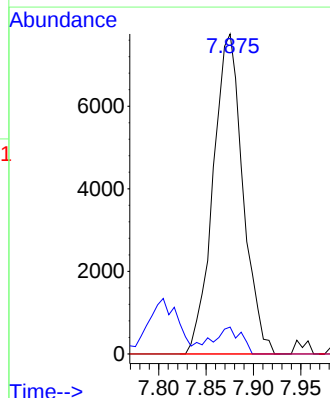
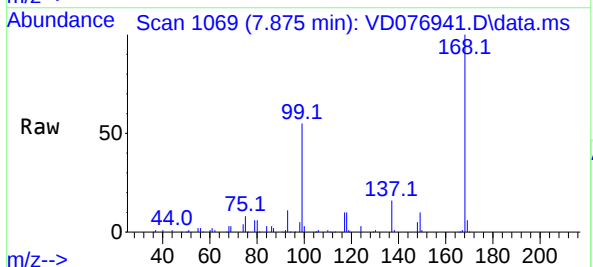
Instrument : MSVOA_D
ClientSampleId : MW-04

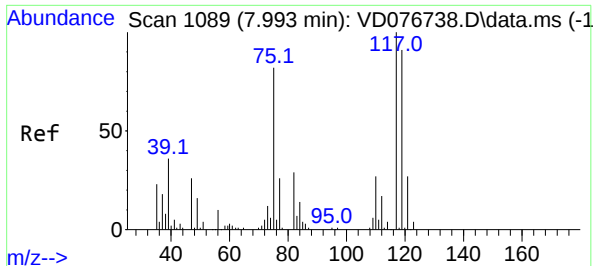
Tgt Ion:113 Resp: 139147
Ion Ratio Lower Upper
113 100
111 101.7 84.7 127.1
192 17.2 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.971 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.130 min
Lab File: VD076941.D
Acq: 07 Aug 2023 19:56

Tgt Ion: 75 Resp: 16981
Ion Ratio Lower Upper
75 100
110 7.3 19.9 59.6#
77 0.0 24.7 37.1#

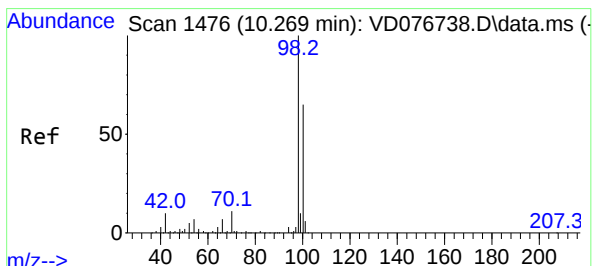
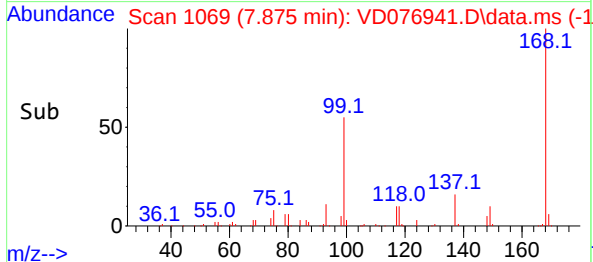
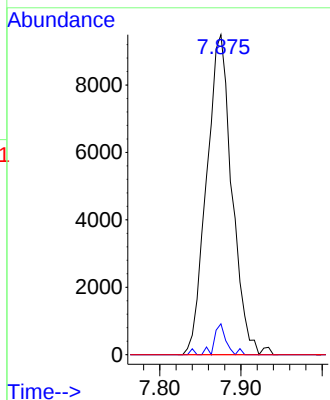
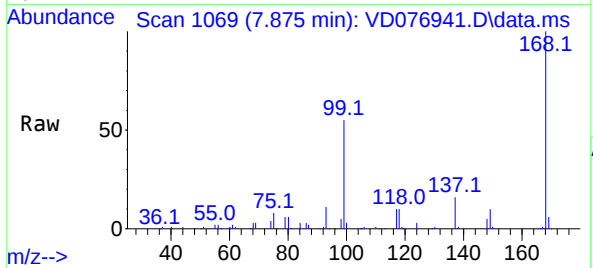




#38
Carbon Tetrachloride
Concen: 6.310 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD076941.D
Acq: 07 Aug 2023 19:56

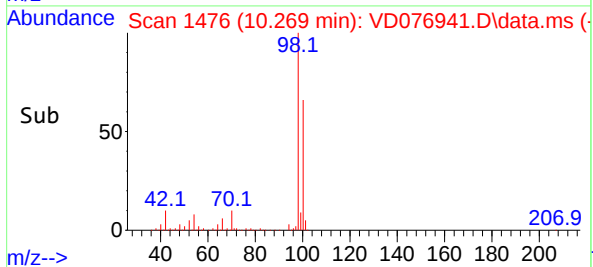
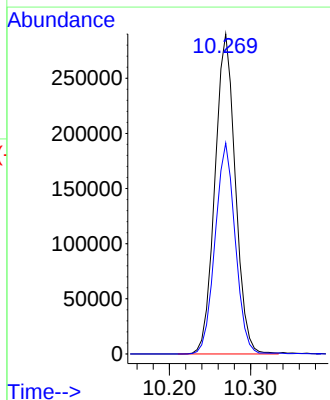
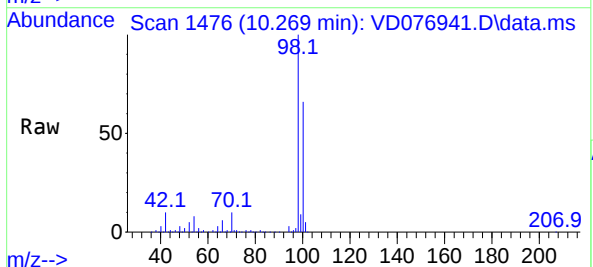
Instrument : MSVOA_D
ClientSampleId : MW-04

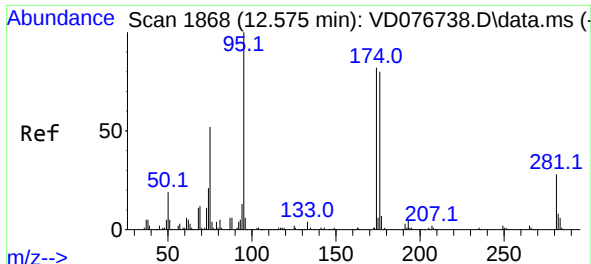
Tgt Ion:117 Resp: 20638
Ion Ratio Lower Upper
117 100
119 9.6 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 54.220 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076941.D
Acq: 07 Aug 2023 19:56

Tgt Ion: 98 Resp: 507021
Ion Ratio Lower Upper
98 100
100 65.1 50.3 75.5

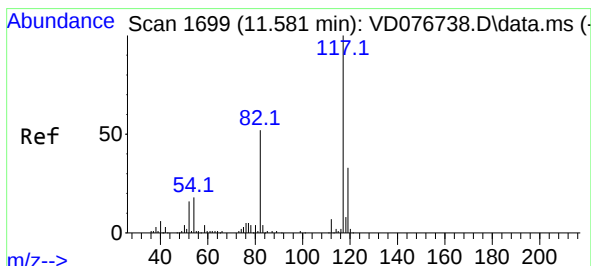
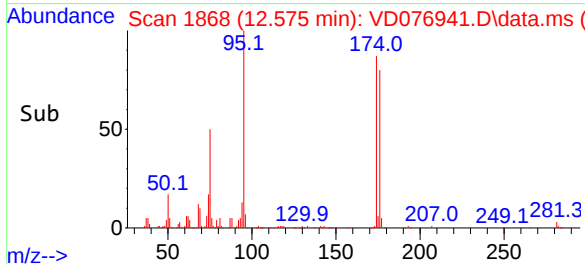
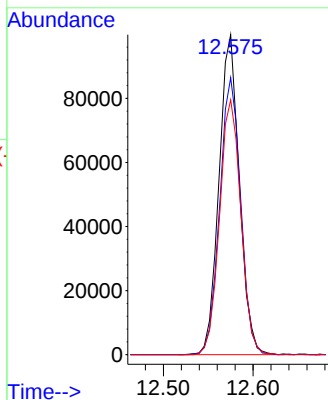
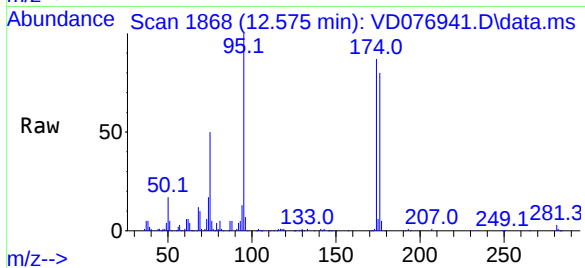




#62
4-Bromofluorobenzene
Concen: 51.815 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076941.D
Acq: 07 Aug 2023 19:56

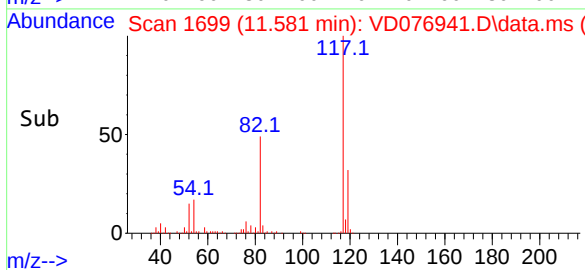
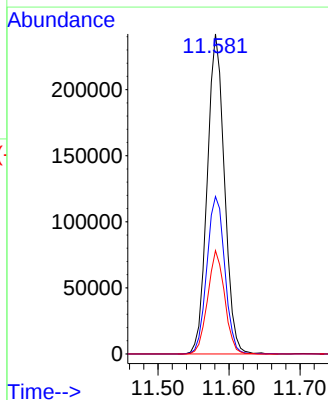
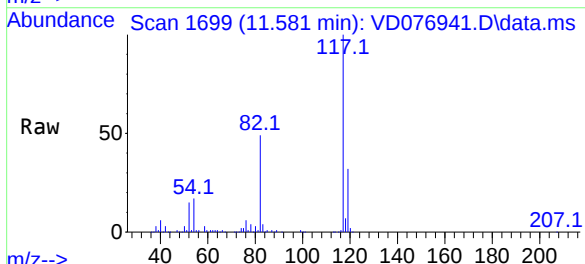
Instrument :
MSVOA_D
ClientSampleId :
MW-04

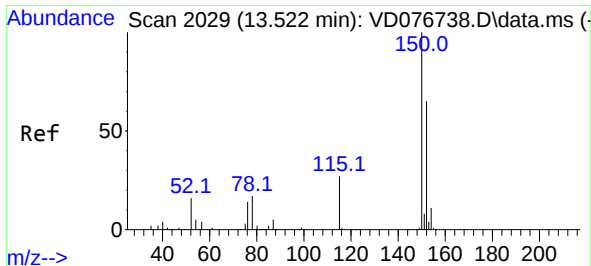
Tgt Ion: 95 Resp: 156745
Ion Ratio Lower Upper
95 100
174 89.4 0.0 201.8
176 83.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076941.D
Acq: 07 Aug 2023 19:56

Tgt Ion: 117 Resp: 407904
Ion Ratio Lower Upper
117 100
82 49.2 38.3 57.5
119 32.3 25.0 37.4

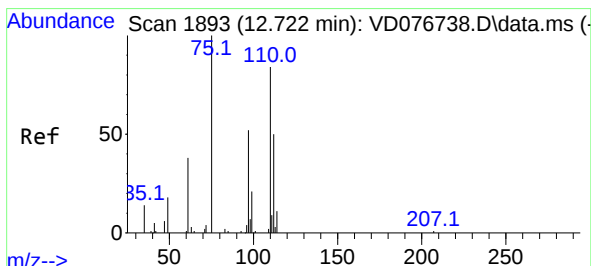
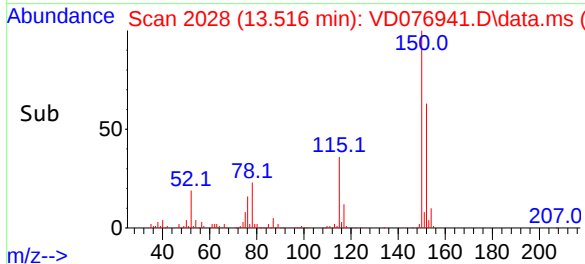
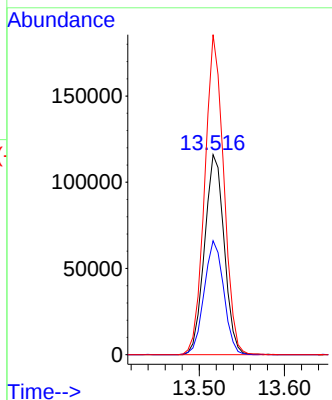
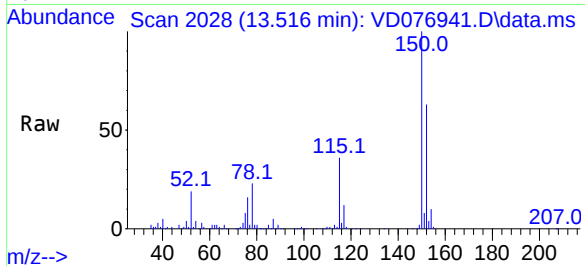




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.006 min
Lab File: VD076941.D
Acq: 07 Aug 2023 19:56

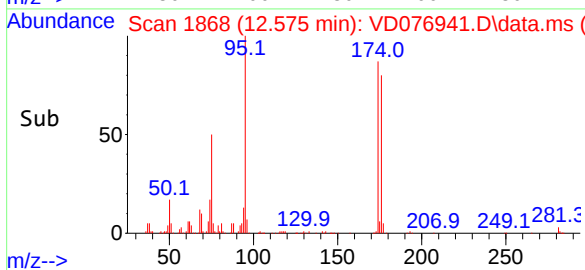
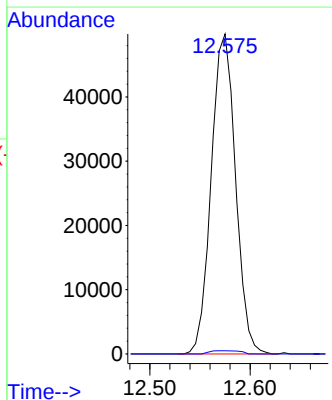
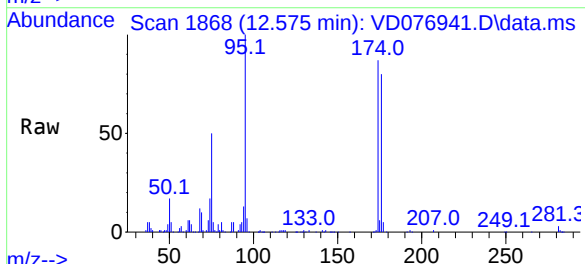
Instrument :
MSVOA_D
ClientSampleId :
MW-04

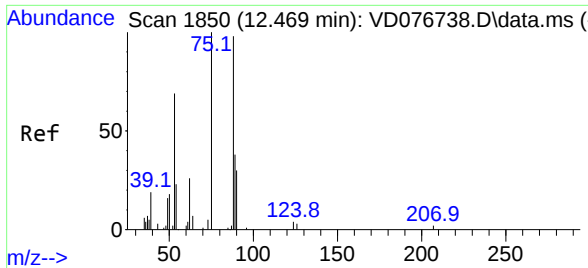
Tgt Ion:152 Resp: 186055
Ion Ratio Lower Upper
152 100
115 56.8 27.1 81.3
150 154.9 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 47.283 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076941.D
Acq: 07 Aug 2023 19:56

Tgt Ion: 75 Resp: 83660
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 100.630 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076941.D
Acq: 07 Aug 2023 19:56

Instrument :
MSVOA_D
ClientSampleId :
MW-04

Tgt Ion: 75 Resp: 83660
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.2 37.9 56.9#

