

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080723\
 Data File : VD076942.D
 Acq On : 07 Aug 2023 20:24
 Operator : KP/SY
 Sample : 03903-05
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-05

Quant Time: Aug 08 04:42:08 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)

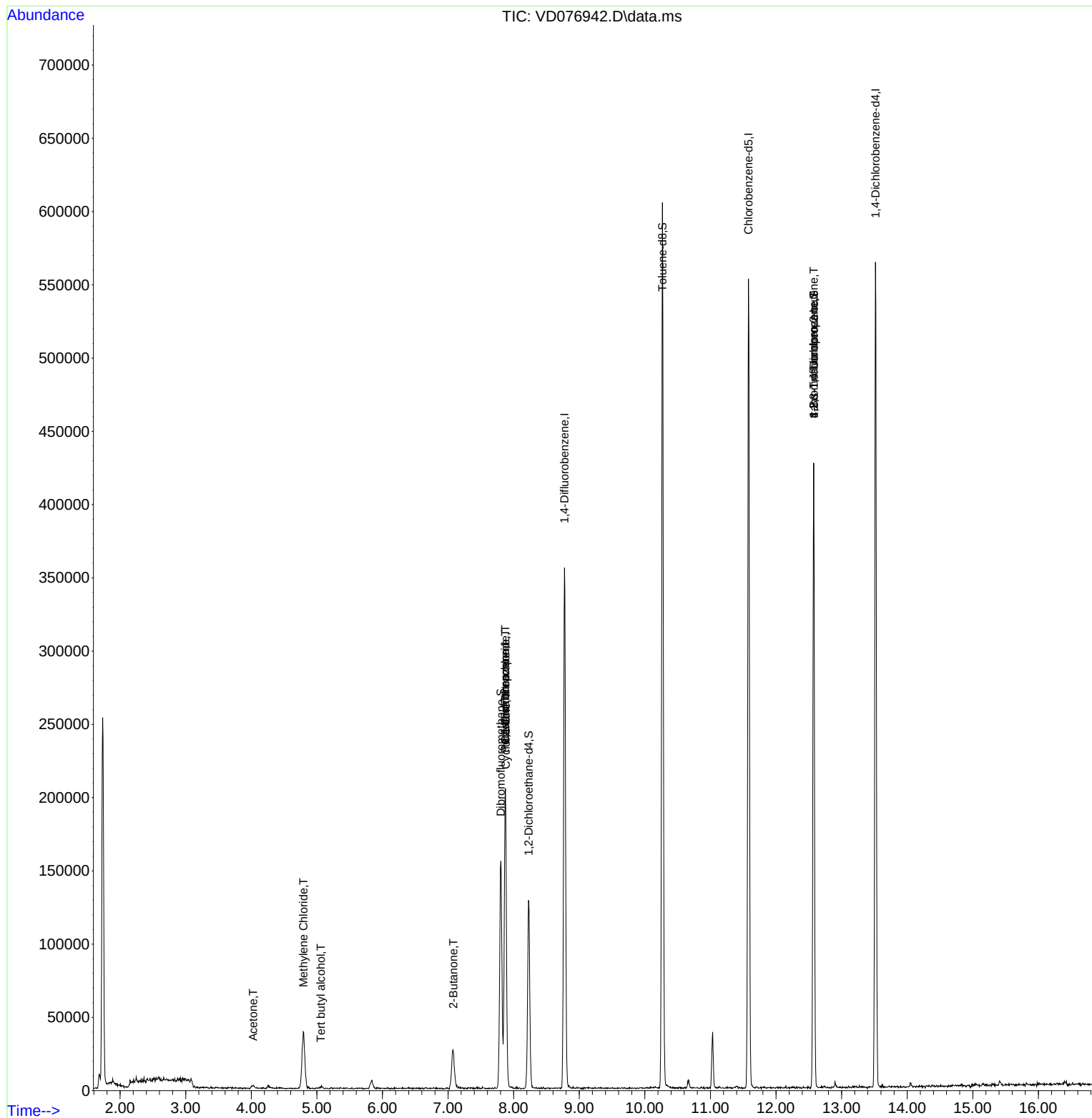
Internal Standards						
1) Pentafluorobenzene	7.869	168	158434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	336060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	338721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	154187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	100324	63.575	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.140%	
35) Dibromofluoromethane	7.804	113	114959	54.436	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.880%	
50) Toluene-d8	10.269	98	412111	54.550	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.100%	
62) 4-Bromofluorobenzene	12.575	95	131769	53.916	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.058	59	1172	9.953	ug/l #	73
16) Acetone	4.028	43	3092	8.204	ug/l	94
20) Methylene Chloride	4.793	84	30841	4.337	ug/l	100
25) 2-Butanone	7.081	43	1202	2.383	ug/l	98
31) Cyclohexane	7.881	56	3519	1.515	ug/l #	8
36) 1,1-Dichloropropene	7.875	75	12039	4.363	ug/l #	49
38) Carbon Tetrachloride	7.875	117	15813	5.984	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	71410	48.701	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	71410	103.648	ug/l #	17

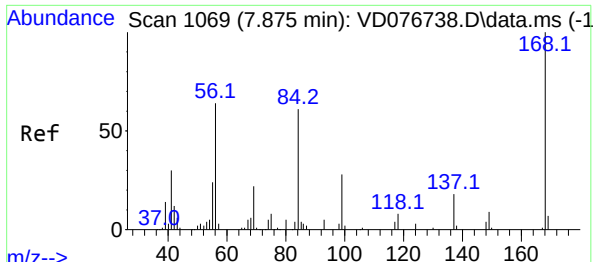
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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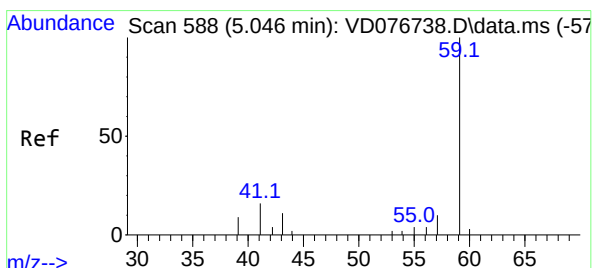
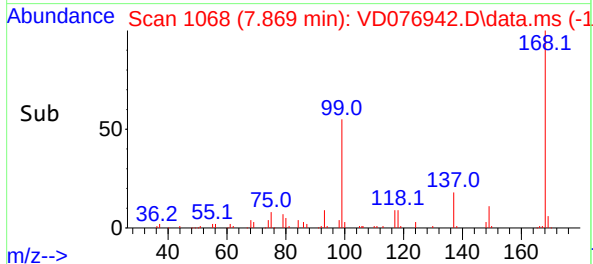
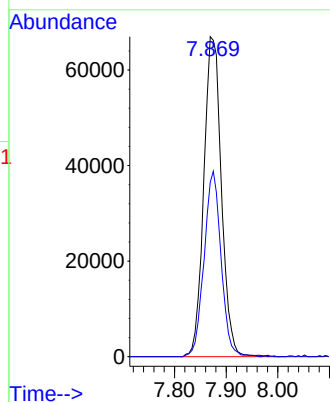
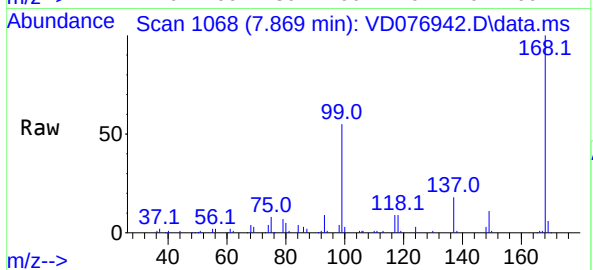




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD076942.D
Acq: 07 Aug 2023 20:24

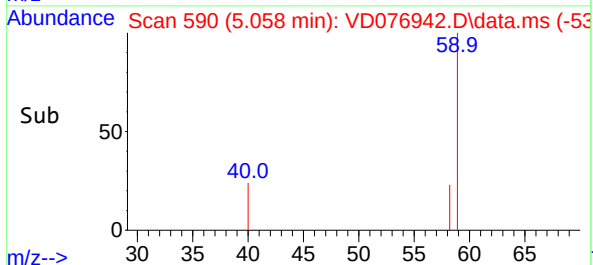
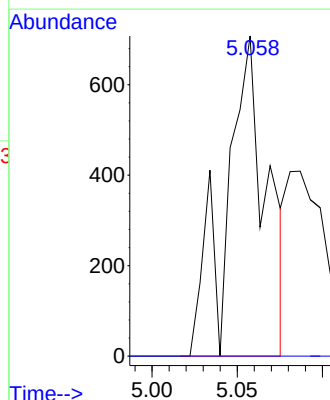
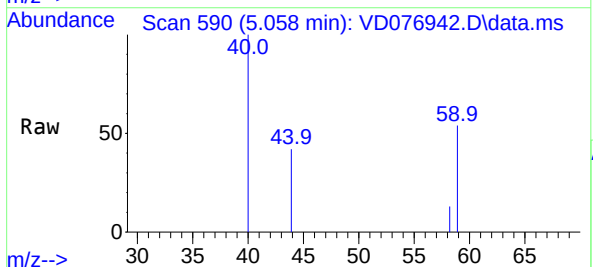
Instrument :
MSVOA_D
ClientSampleId :
MW-05

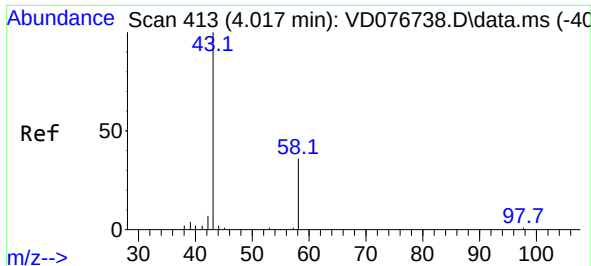
Tgt Ion:168 Resp: 158434
Ion Ratio Lower Upper
168 100
99 54.6 36.7 55.1



#11
Tert butyl alcohol
Concen: 9.953 ug/l
RT: 5.058 min Scan# 590
Delta R.T. 0.012 min
Lab File: VD076942.D
Acq: 07 Aug 2023 20:24

Tgt Ion: 59 Resp: 1172
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

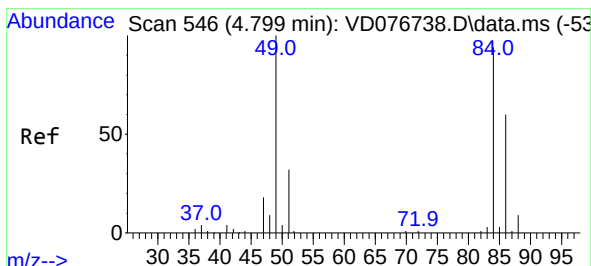
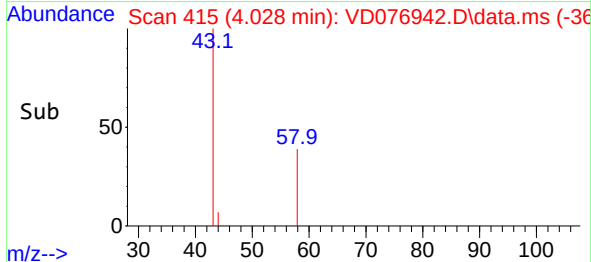
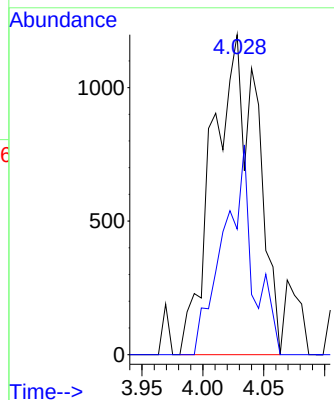
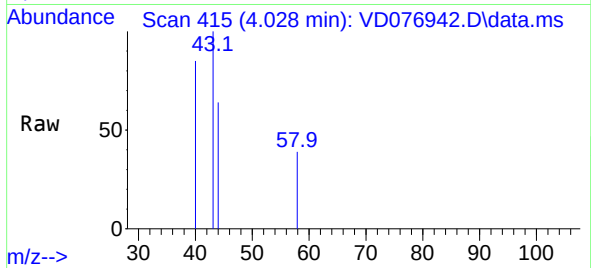




#16
Acetone
Concen: 8.204 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD076942.D
Acq: 07 Aug 2023 20:24

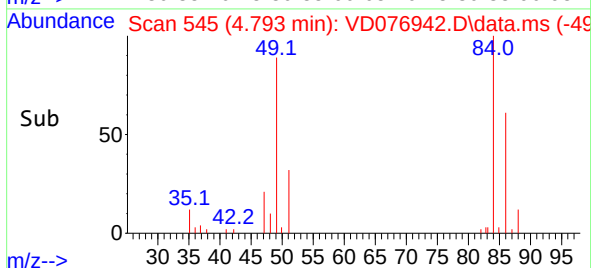
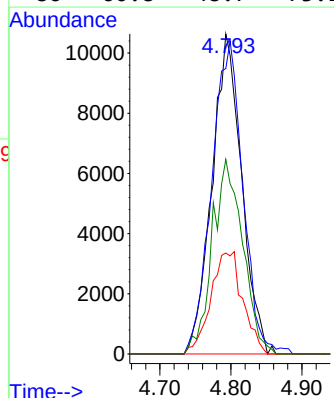
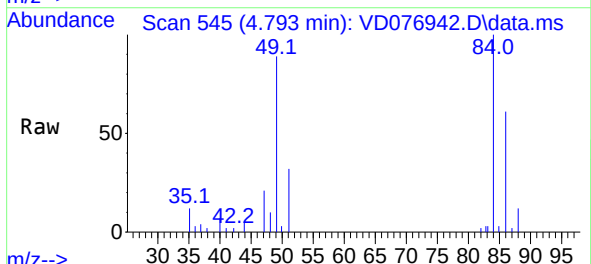
Instrument :
MSVOA_D
ClientSampleId :
MW-05

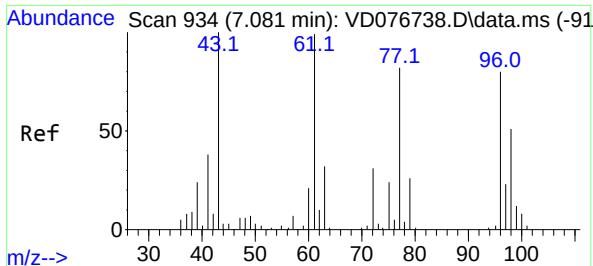
Tgt Ion: 43 Resp: 3092
Ion Ratio Lower Upper
43 100
58 39.2 34.7 52.1



#20
Methylene Chloride
Concen: 4.337 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076942.D
Acq: 07 Aug 2023 20:24

Tgt Ion: 84 Resp: 30841
Ion Ratio Lower Upper
84 100
49 89.2 71.4 107.2
51 31.6 24.5 36.7
86 60.8 48.7 73.1

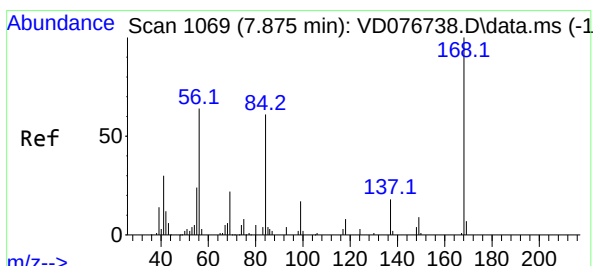
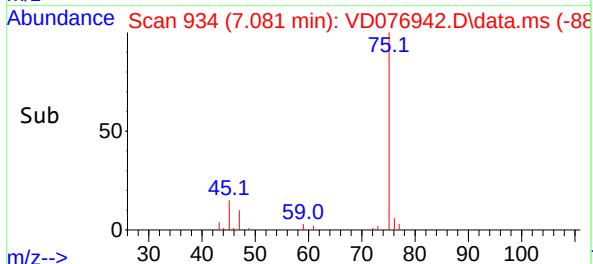
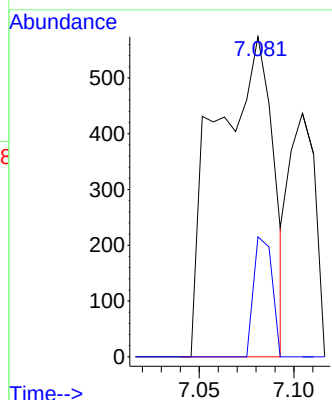
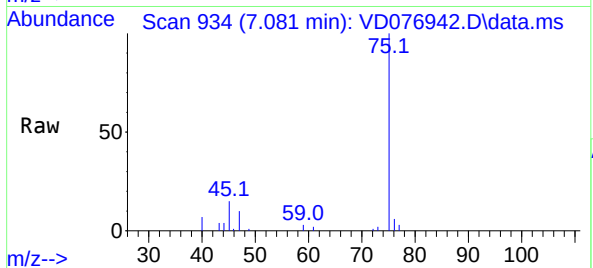




#25
2-Butanone
Concen: 2.383 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076942.D
Acq: 07 Aug 2023 20:24

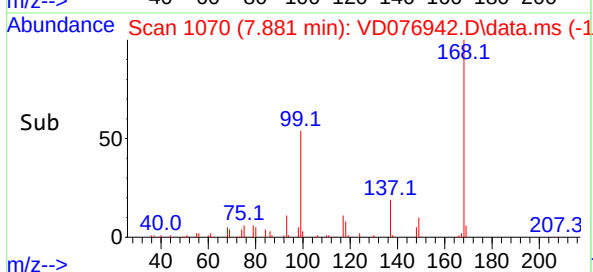
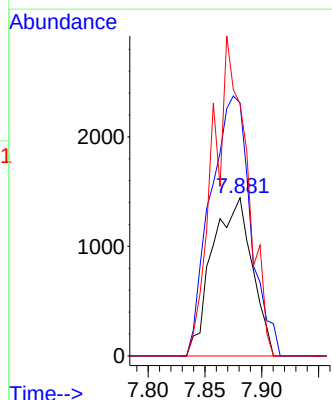
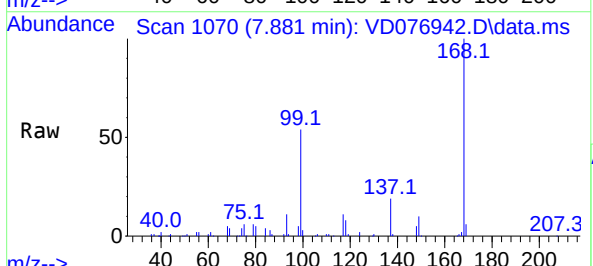
Instrument :
MSVOA_D
ClientSampleId :
MW-05

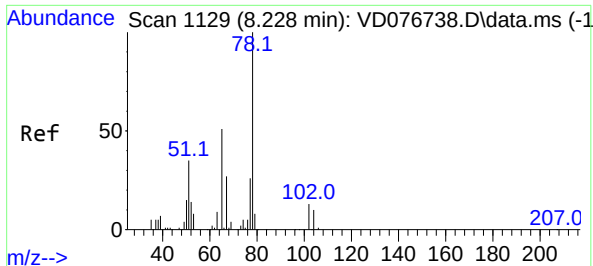
Tgt Ion: 43 Resp: 1202
Ion Ratio Lower Upper
43 100
72 37.5 30.7 46.1



#31
Cyclohexane
Concen: 1.515 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD076942.D
Acq: 07 Aug 2023 20:24

Tgt Ion: 56 Resp: 3519
Ion Ratio Lower Upper
56 100
69 160.1 28.6 43.0#
84 159.4 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 63.575 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076942.D

Acq: 07 Aug 2023 20:24

Instrument :

MSVOA_D

ClientSampleId :

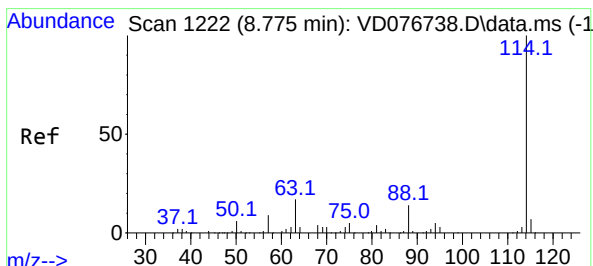
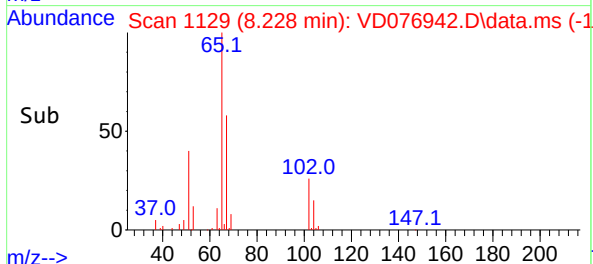
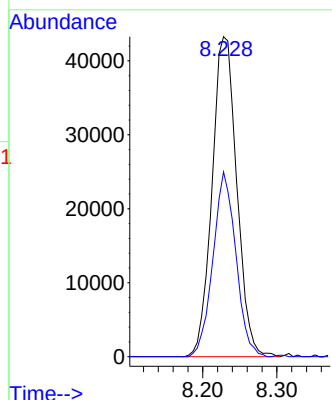
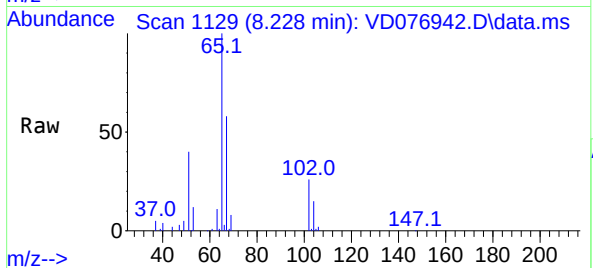
MW-05

Tgt Ion: 65 Resp: 100324

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: VD076942.D

Acq: 07 Aug 2023 20:24

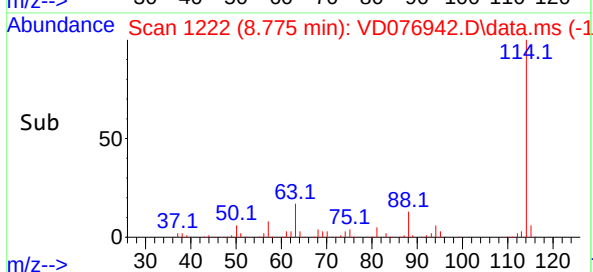
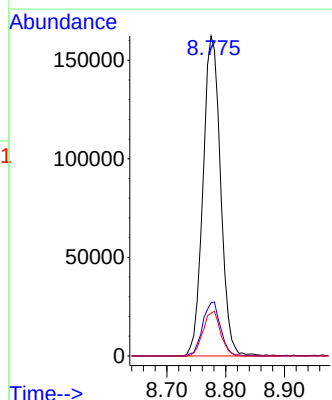
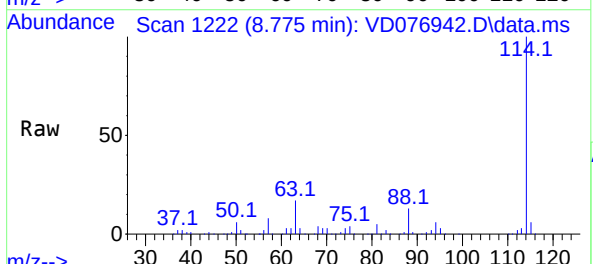
Tgt Ion: 114 Resp: 336060

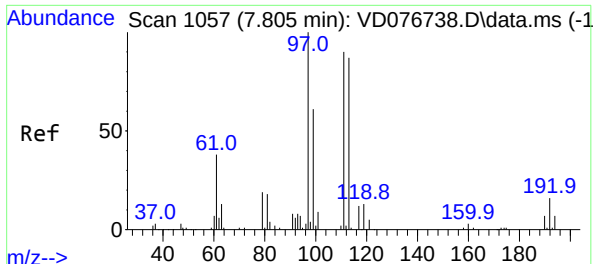
Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.4

88 13.3 0.0 26.2

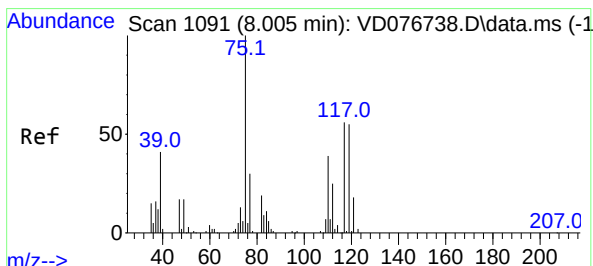
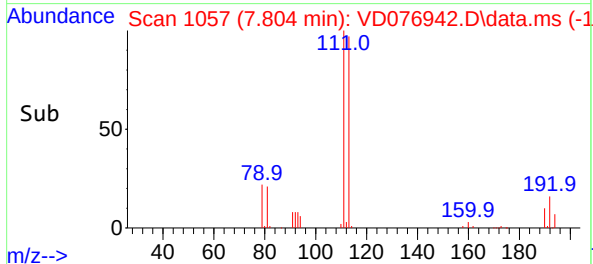
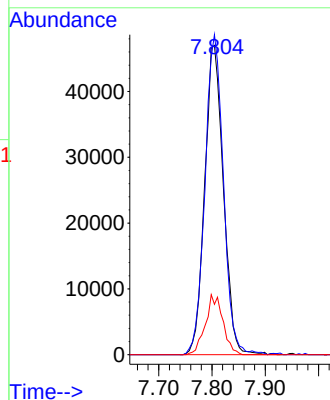
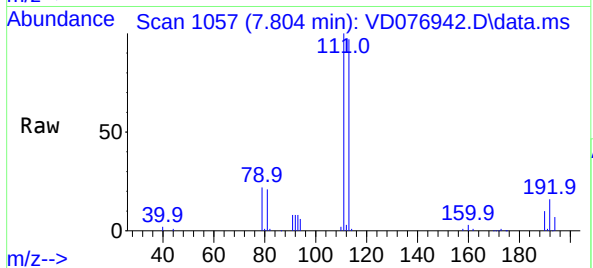




#35
Dibromofluoromethane
Concen: 54.436 ug/l
RT: 7.804 min Scan# 1069
Delta R.T. -0.001 min
Lab File: VD076942.D
Acq: 07 Aug 2023 20:24

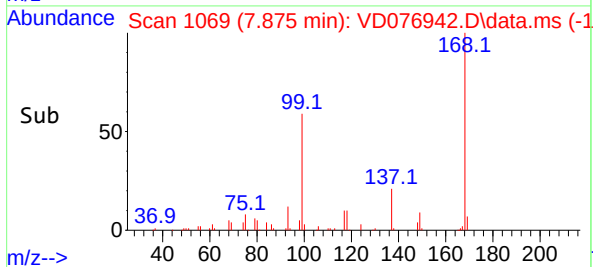
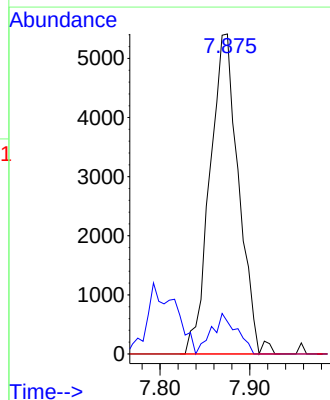
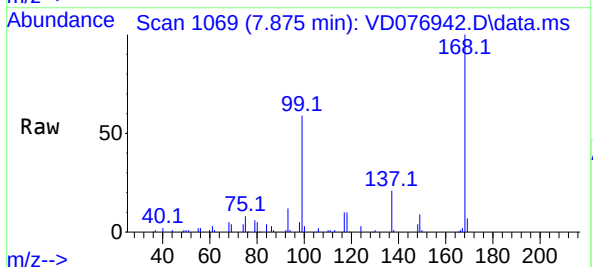
Instrument : MSVOA_D
ClientSampleId : MW-05

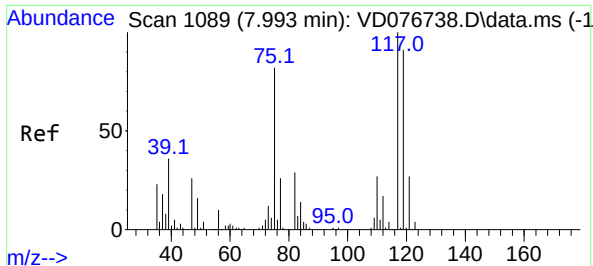
Tgt Ion: 113 Resp: 114959
Ion Ratio Lower Upper
113 100
111 101.3 84.7 127.1
192 18.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.363 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.130 min
Lab File: VD076942.D
Acq: 07 Aug 2023 20:24

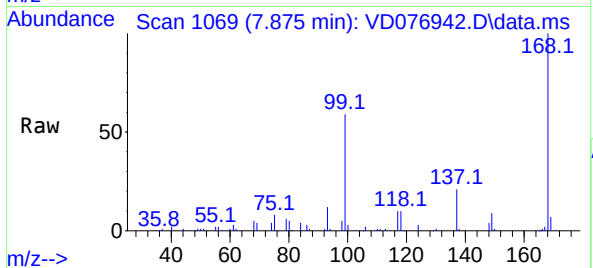
Tgt Ion: 75 Resp: 12039
Ion Ratio Lower Upper
75 100
110 11.0 19.9 59.6#
77 0.0 24.7 37.1#



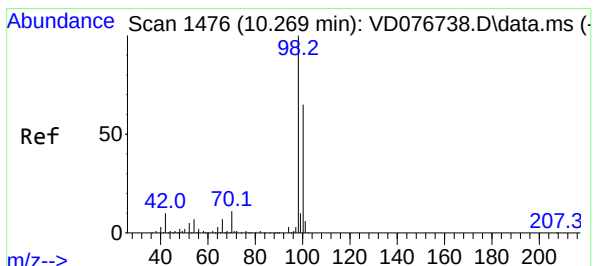
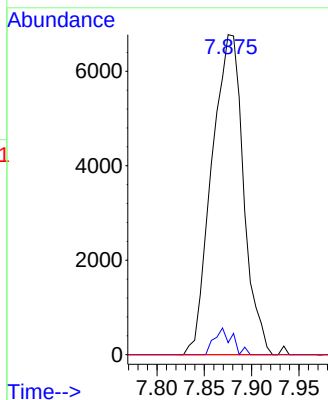
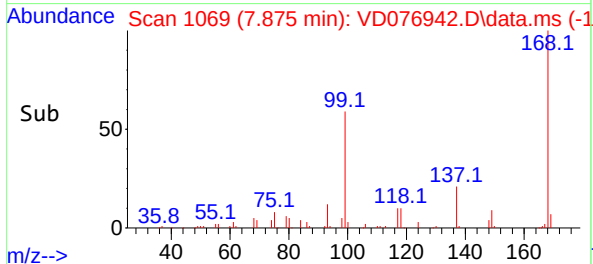


#38
Carbon Tetrachloride
Concen: 5.984 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD076942.D
Acq: 07 Aug 2023 20:24

Instrument :
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ClientSampleId :
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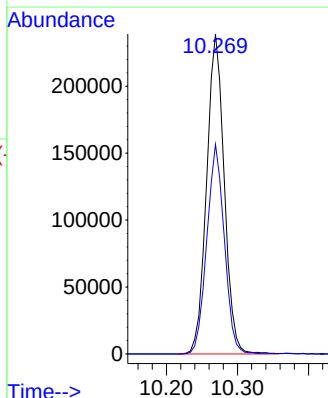
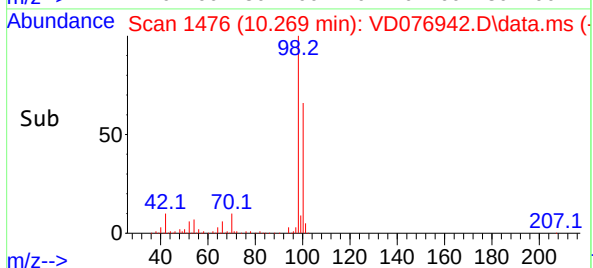
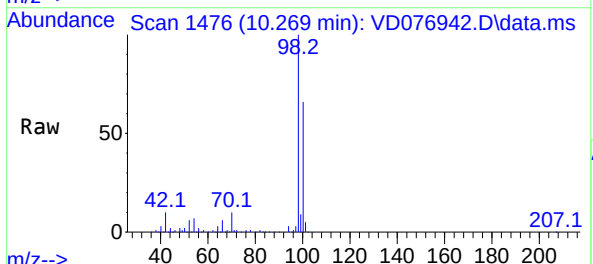


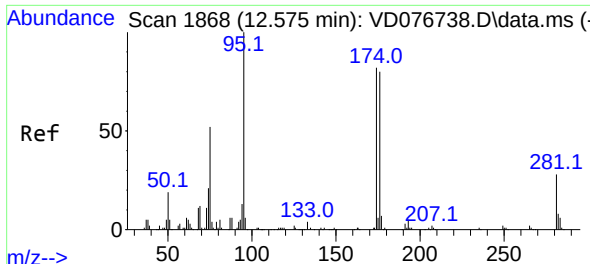
Tgt Ion:117 Resp: 15813
Ion Ratio Lower Upper
117 100
119 3.8 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 54.550 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076942.D
Acq: 07 Aug 2023 20:24

Tgt Ion: 98 Resp: 412111
Ion Ratio Lower Upper
98 100
100 65.0 50.3 75.5

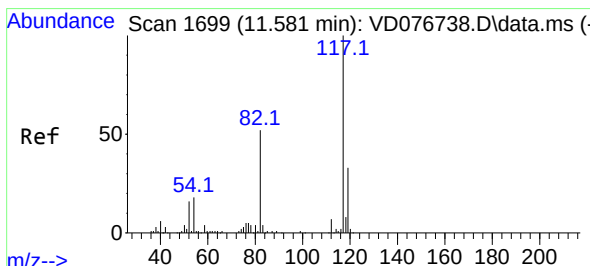
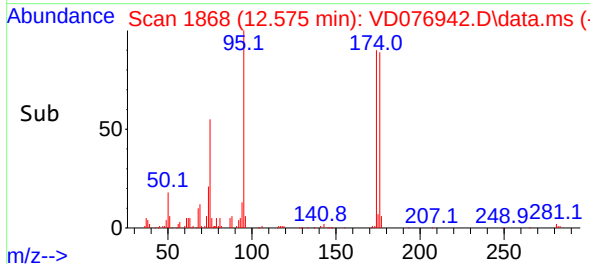
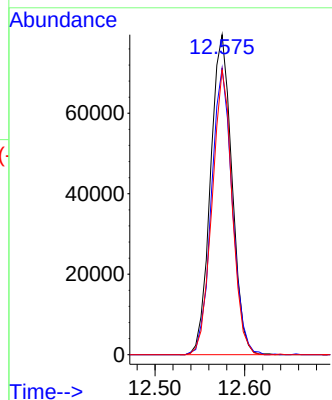
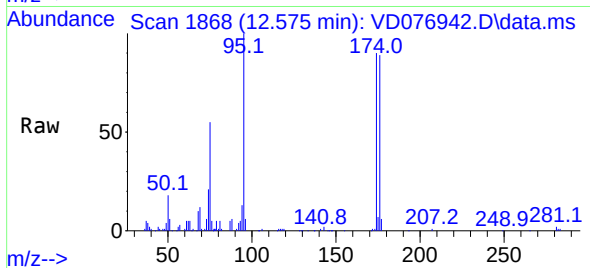




#62
4-Bromofluorobenzene
Concen: 53.916 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076942.D
Acq: 07 Aug 2023 20:24

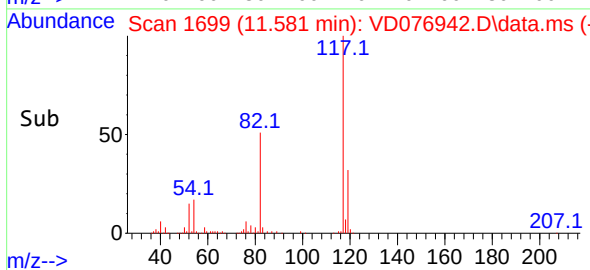
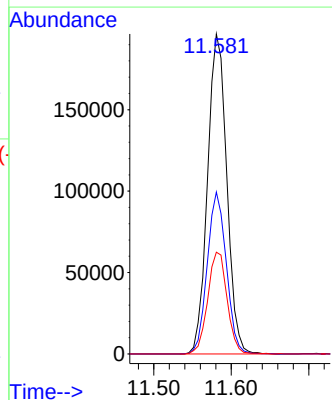
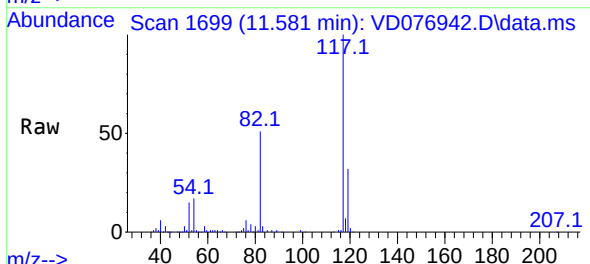
Instrument :
MSVOA_D
ClientSampleId :
MW-05

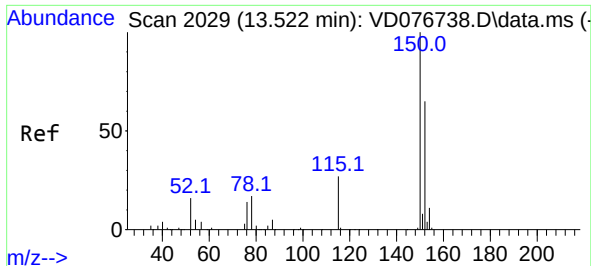
Tgt Ion: 95 Resp: 131769
Ion Ratio Lower Upper
95 100
174 86.8 0.0 201.8
176 83.3 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076942.D
Acq: 07 Aug 2023 20:24

Tgt Ion: 117 Resp: 338721
Ion Ratio Lower Upper
117 100
82 50.6 38.3 57.5
119 31.8 25.0 37.4

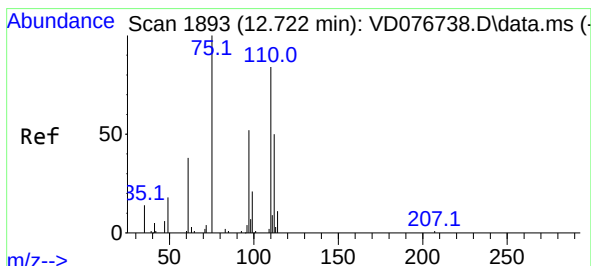
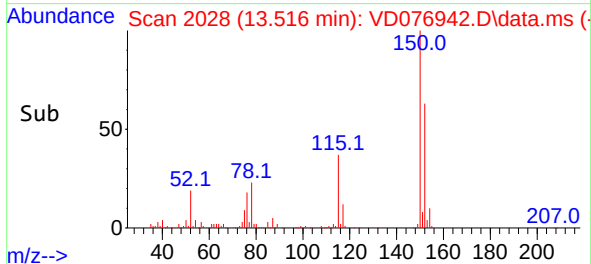
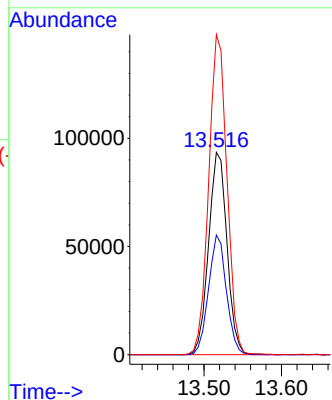
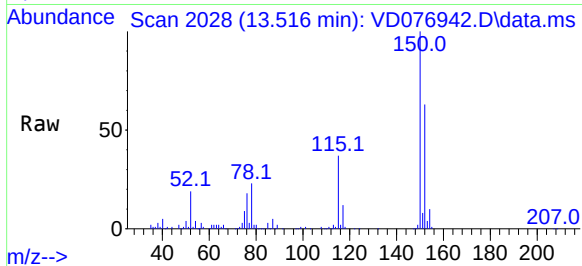




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.006 min
Lab File: VD076942.D
Acq: 07 Aug 2023 20:24

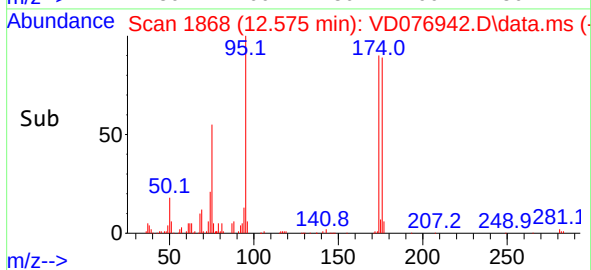
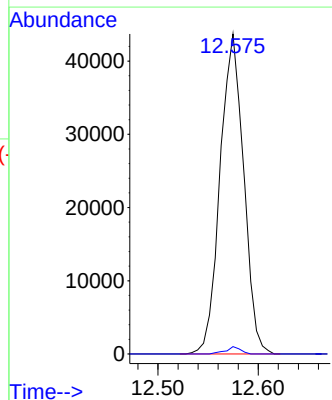
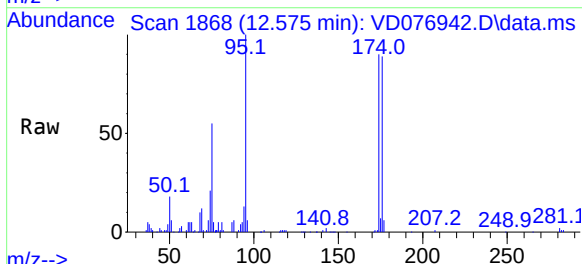
Instrument :
MSVOA_D
ClientSampleId :
MW-05

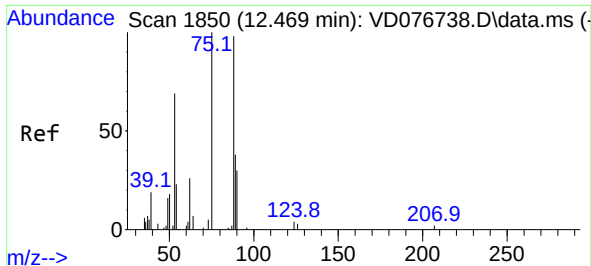
Tgt Ion:152 Resp: 154187
Ion Ratio Lower Upper
152 100
115 57.3 27.1 81.3
150 156.8 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 48.701 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076942.D
Acq: 07 Aug 2023 20:24

Tgt Ion: 75 Resp: 71410
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.648 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD076942.D
 Acq: 07 Aug 2023 20:24

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-05

Tgt Ion: 75 Resp: 71410
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

