

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062123\
 Data File : VD076509.D
 Acq On : 21 Jun 2023 13:22
 Operator : KP/SY
 Sample : 03336-01
 Misc : 5.86G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-6

Quant Time: Jun 22 01:57:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

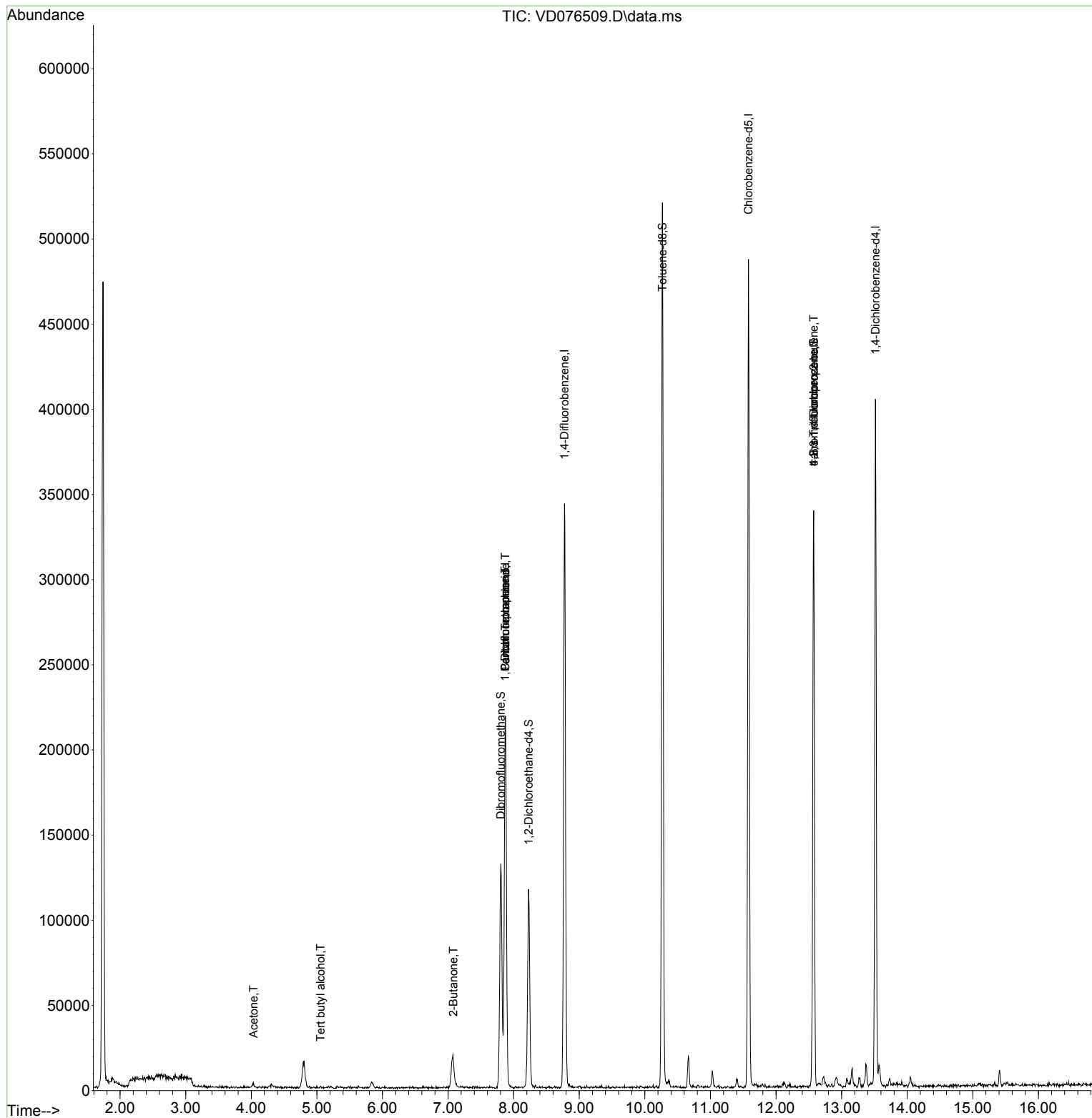
Internal Standards						
1) Pentafluorobenzene	7.875	168	176040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	303635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	267654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	103722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	86955	49.301	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.600%
35) Dibromofluoromethane	7.804	113	93870	52.040	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.080%
50) Toluene-d8	10.269	98	350763	51.275	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.540%
62) 4-Bromofluorobenzene	12.575	95	99362	44.755	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.500%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.058	59	217	1.425	ug/l #	58
16) Acetone	4.034	43	3458	8.239	ug/l #	53
20) Methylene Chloride	4.805	84	10136	Below Cal	#	72
25) 2-Butanone	7.081	43	671	1.034	ug/l #	37
28) Bromochloromethane	7.416	49	148	Below Cal	#	1
36) 1,1-Dichloropropene	7.869	75	13704	5.425	ug/l #	44
38) Carbon Tetrachloride	7.875	117	16358	7.245	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	52677	51.172	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	52677	112.129	ug/l #	18

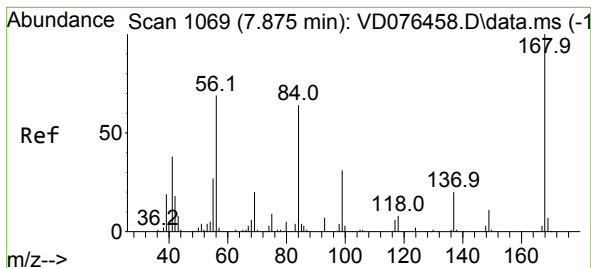
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WC-6

Quant Time: Jun 22 01:57:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076509.D

Acq: 21 Jun 2023 13:22

Instrument :

MSVOA_D

ClientSampleId :

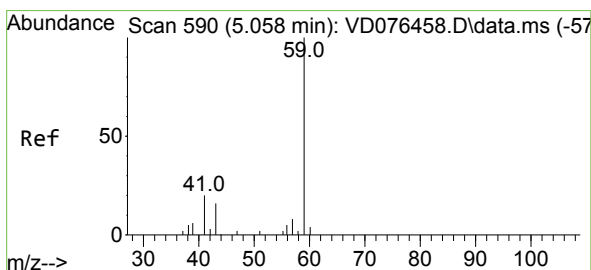
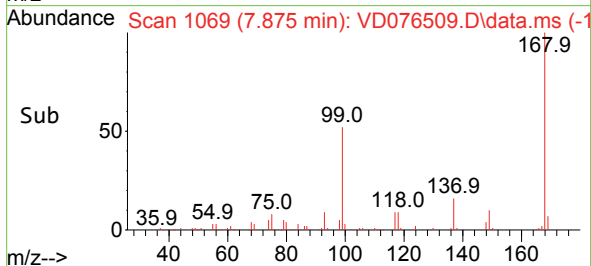
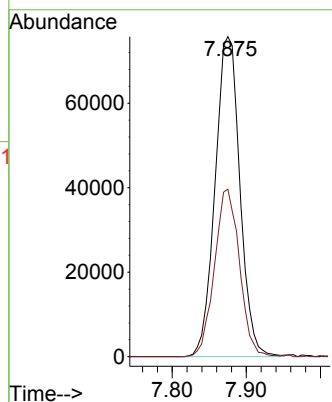
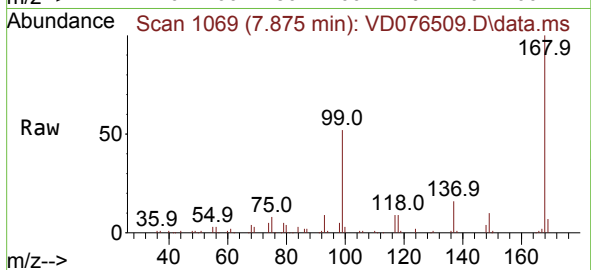
WC-6

Tgt Ion:168 Resp: 176040

Ion Ratio Lower Upper

168 100

99 52.3 36.7 55.1



#11

Tert butyl alcohol

Concen: 1.425 ug/l

RT: 5.058 min Scan# 590

Delta R.T. -0.000 min

Lab File: VD076509.D

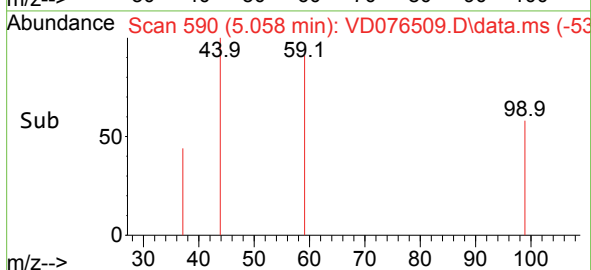
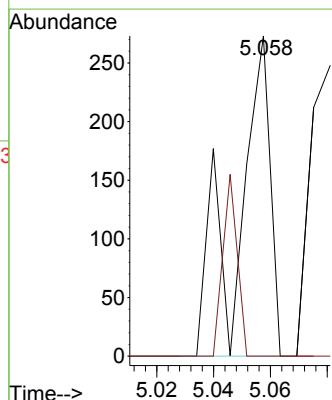
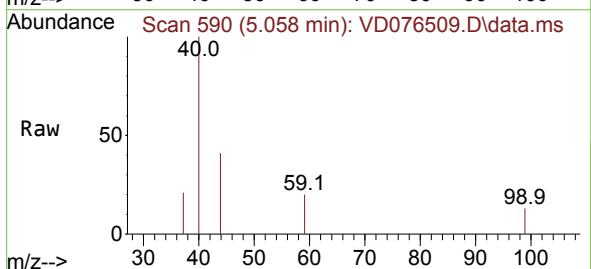
Acq: 21 Jun 2023 13:22

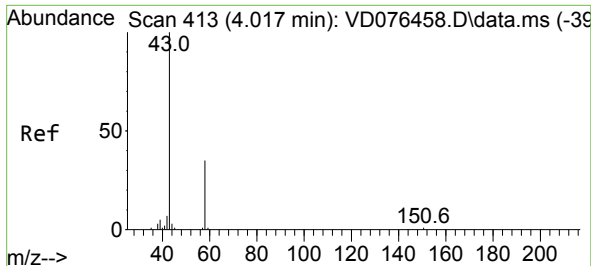
Tgt Ion: 59 Resp: 217

Ion Ratio Lower Upper

59 100

57 25.3 7.8 11.8#





#16

Acetone

Concen: 8.239 ug/l

RT: 4.034 min Scan# 41

Delta R.T. 0.018 min

Lab File: VD076509.D

Acq: 21 Jun 2023 13:22

Instrument :

MSVOA_D

ClientSampleId :

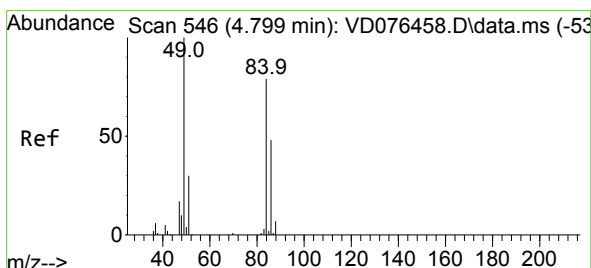
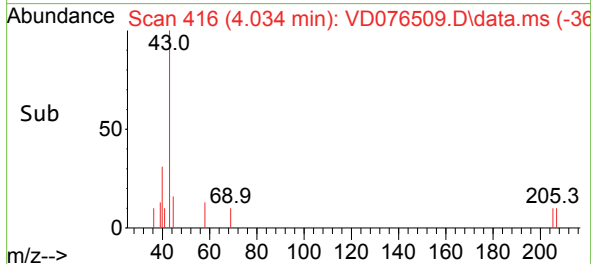
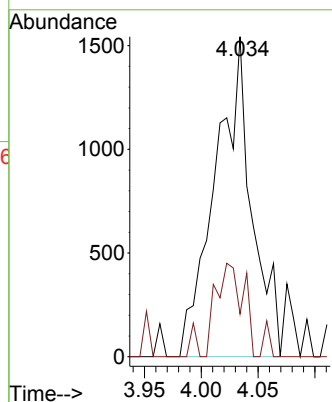
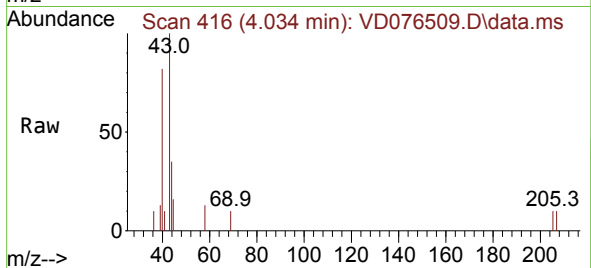
WC-6

Tgt Ion: 43 Resp: 3458

Ion Ratio Lower Upper

43 100

58 13.4 34.7 52.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 547

Delta R.T. 0.006 min

Lab File: VD076509.D

Acq: 21 Jun 2023 13:22

Tgt Ion: 84 Resp: 10136

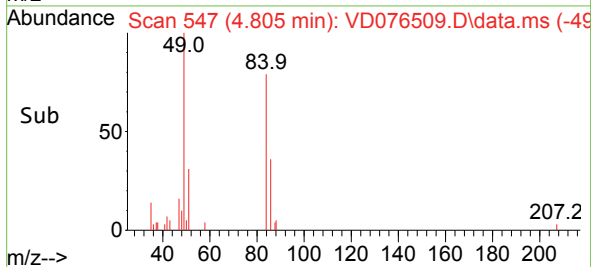
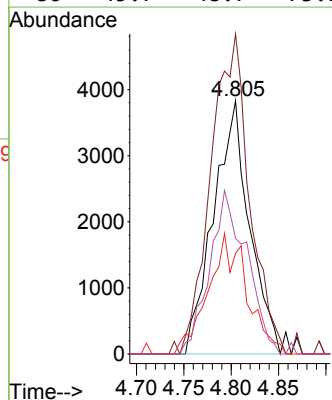
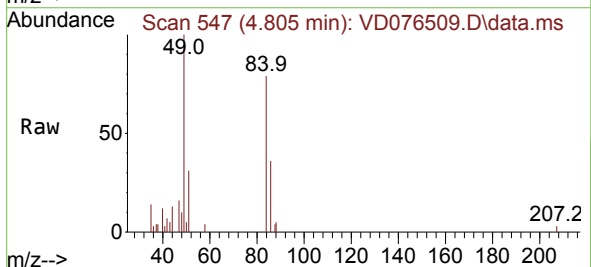
Ion Ratio Lower Upper

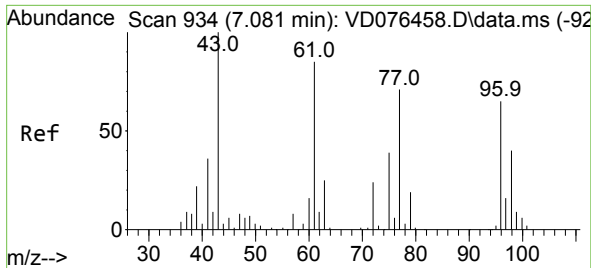
84 100

49 126.4 71.4 107.2#

51 35.9 24.5 36.7

86 45.7 48.7 73.1#

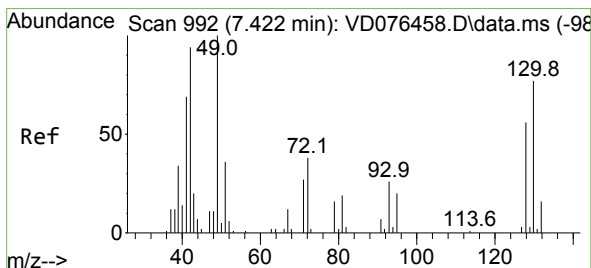
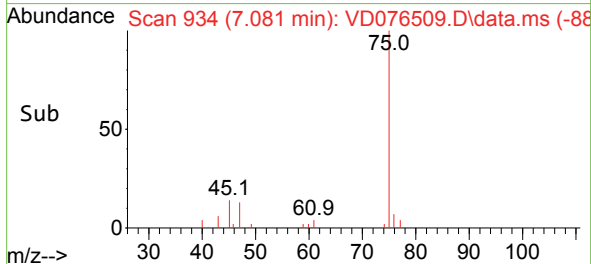
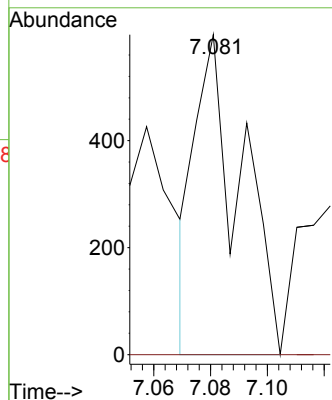
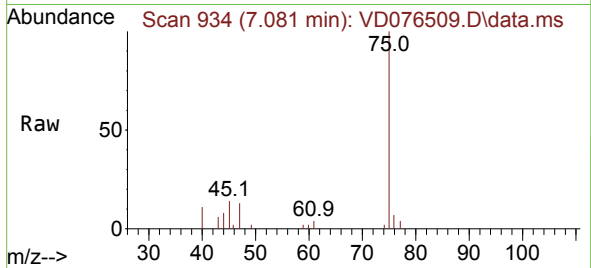




#25
2-Butanone
Concen: 1.034 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076509.D
Acq: 21 Jun 2023 13:22

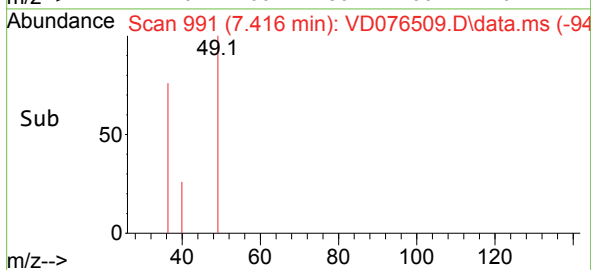
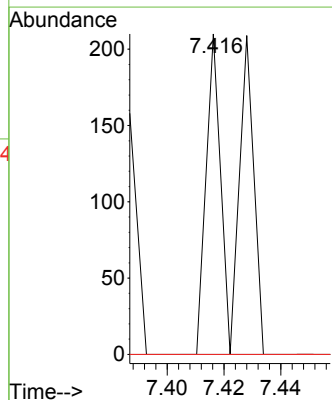
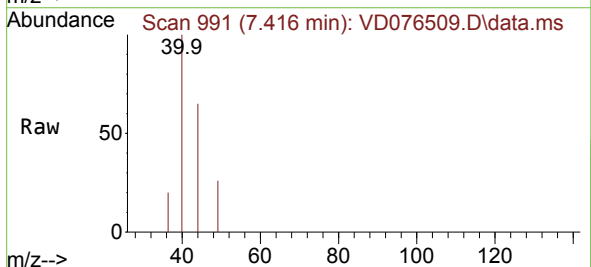
Instrument :
MSVOA_D
ClientSampleId :
WC-6

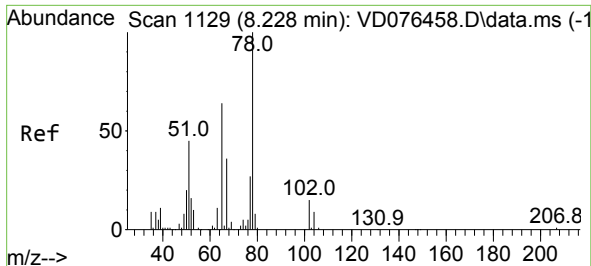
Tgt Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.416 min Scan# 991
Delta R.T. -0.006 min
Lab File: VD076509.D
Acq: 21 Jun 2023 13:22

Tgt Ion: 49 Resp: 148
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#33

1,2-Dichloroethane-d4

Concen: 49.301 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076509.D

Acq: 21 Jun 2023 13:22

Instrument :

MSVOA_D

ClientSampleId :

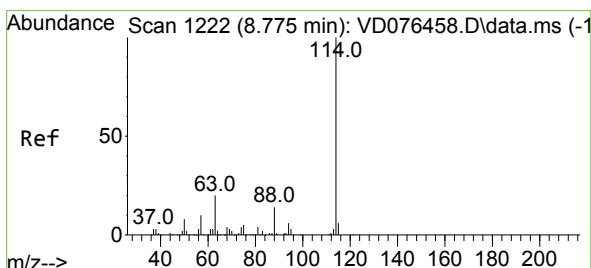
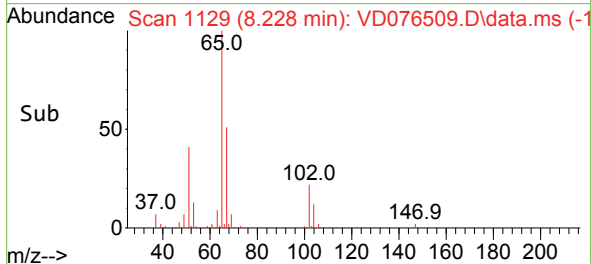
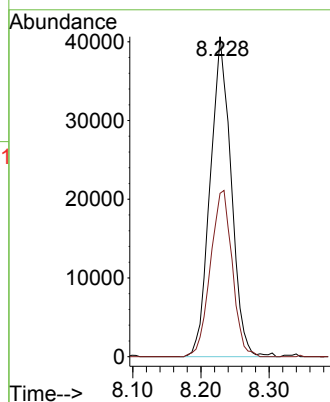
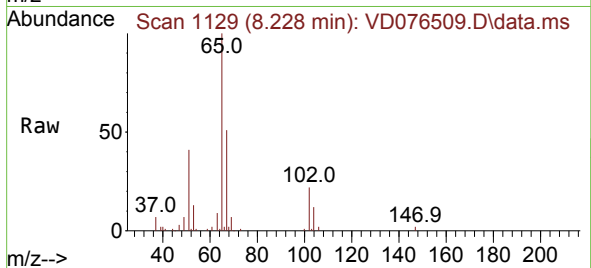
WC-6

Tgt Ion: 65 Resp: 86955

Ion Ratio Lower Upper

65 100

67 54.1 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: VD076509.D

Acq: 21 Jun 2023 13:22

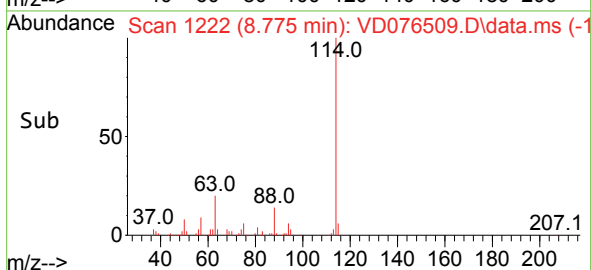
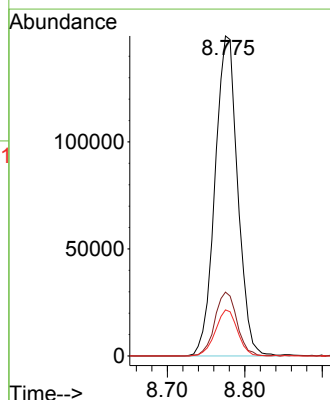
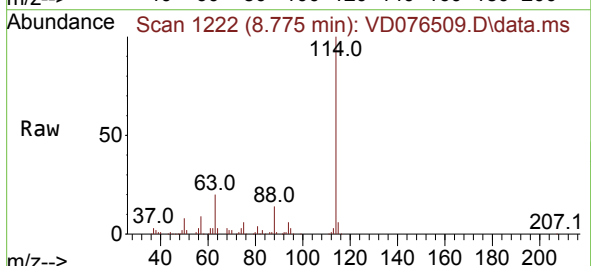
Tgt Ion: 114 Resp: 303635

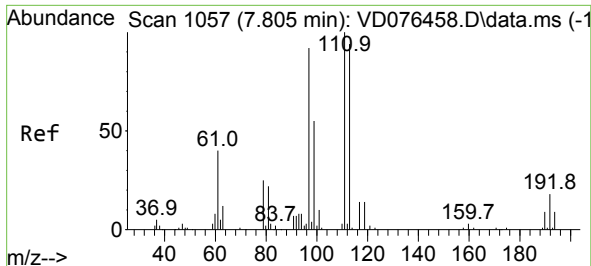
Ion Ratio Lower Upper

114 100

63 19.9 0.0 33.4

88 14.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 52.040 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076509.D

Acq: 21 Jun 2023 13:22

Instrument :

MSVOA_D

ClientSampleId :

WC-6

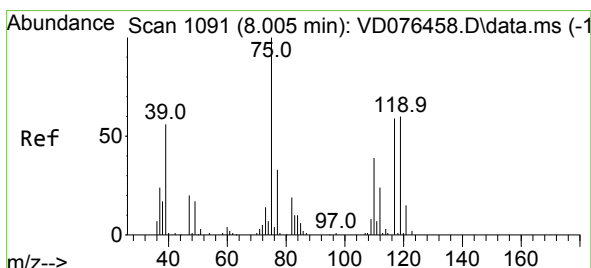
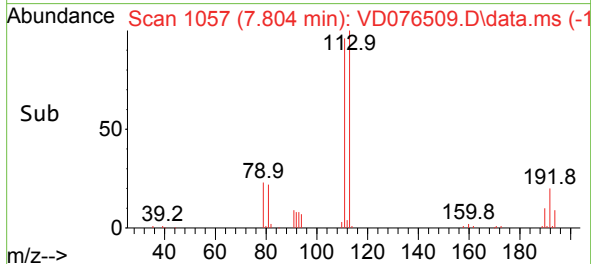
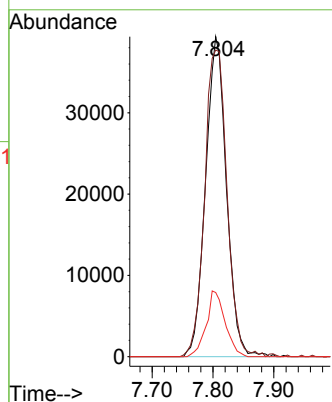
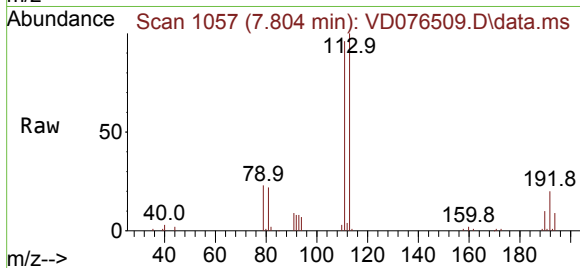
Tgt Ion:113 Resp: 93870

Ion Ratio Lower Upper

113 100

111 102.6 84.7 127.1

192 18.5 16.8 25.2



#36

1,1-Dichloropropene

Concen: 5.425 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD076509.D

Acq: 21 Jun 2023 13:22

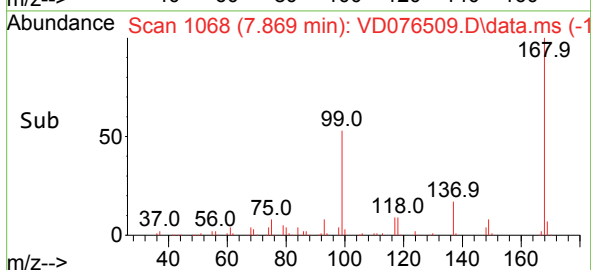
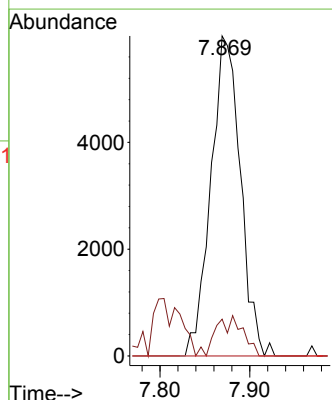
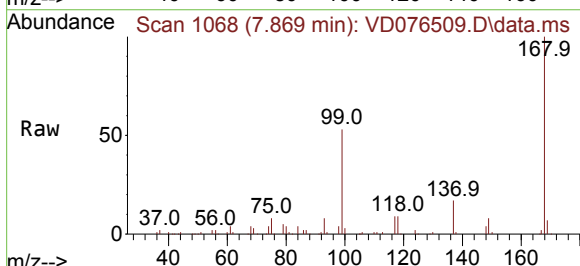
Tgt Ion: 75 Resp: 13704

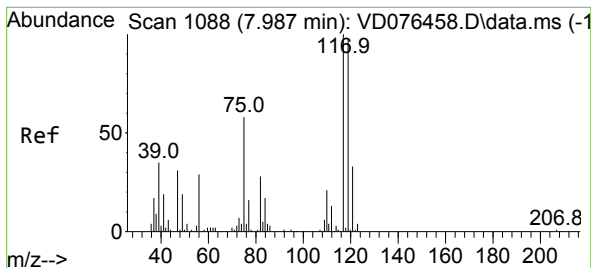
Ion Ratio Lower Upper

75 100

110 5.2 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 7.245 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD076509.D

Acq: 21 Jun 2023 13:22

Instrument :

MSVOA_D

ClientSampleId :

WC-6

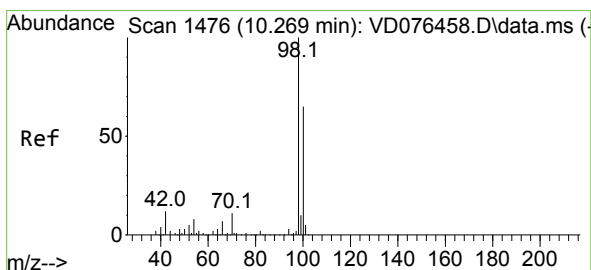
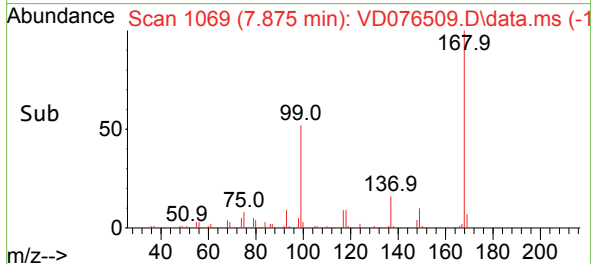
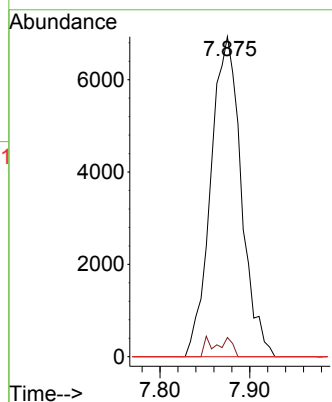
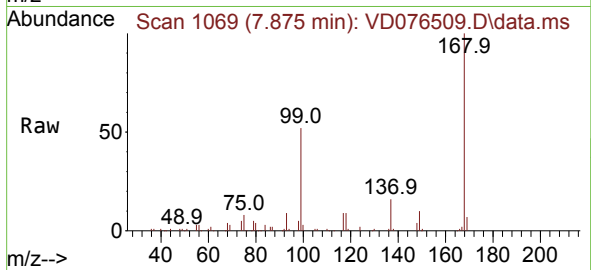
Tgt Ion:117 Resp: 16358

Ion Ratio Lower Upper

117 100

119 6.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 51.275 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076509.D

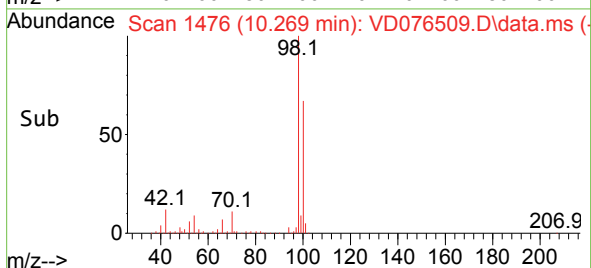
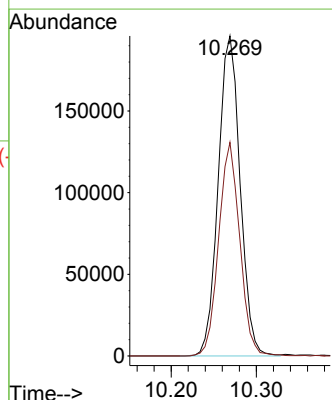
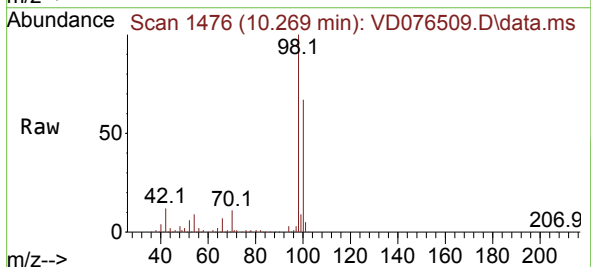
Acq: 21 Jun 2023 13:22

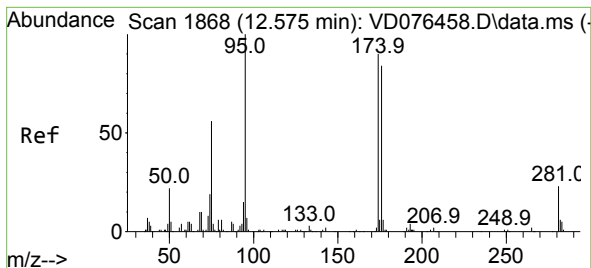
Tgt Ion: 98 Resp: 350763

Ion Ratio Lower Upper

98 100

100 64.2 50.3 75.5

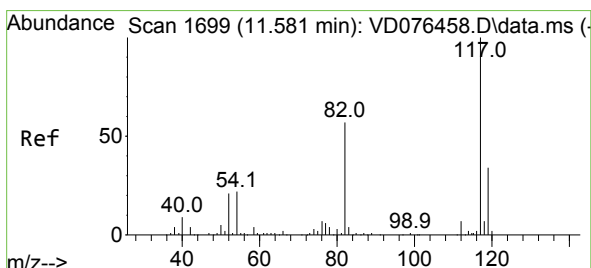
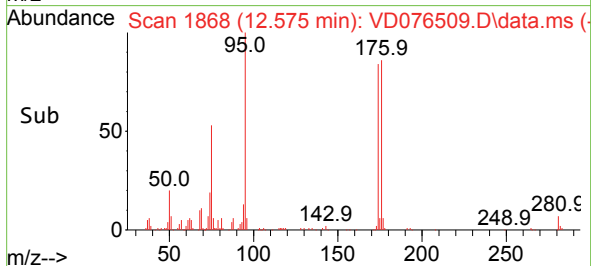
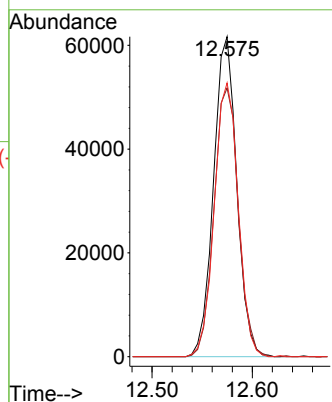
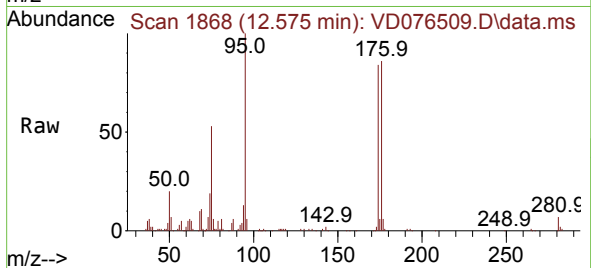




#62
4-Bromofluorobenzene
Concen: 44.755 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076509.D
Acq: 21 Jun 2023 13:22

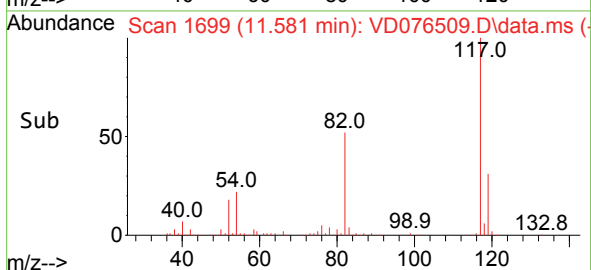
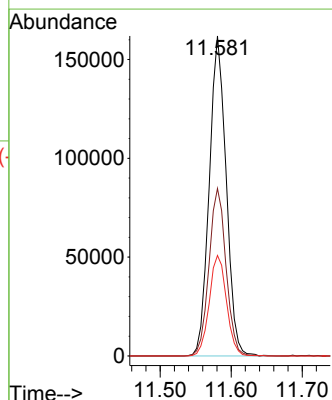
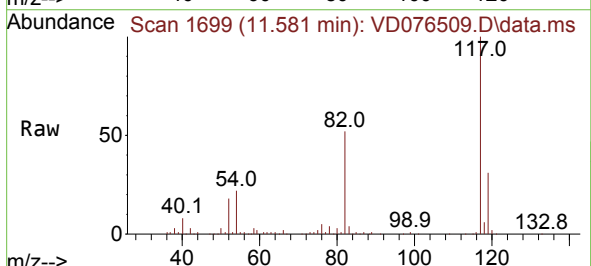
Instrument :
MSVOA_D
ClientSampleId :
WC-6

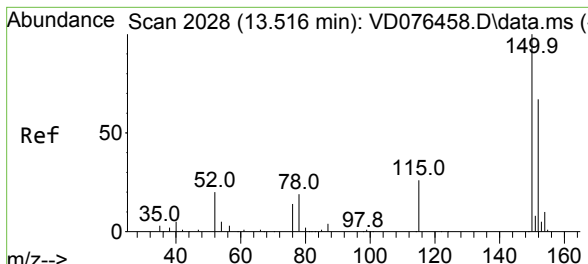
Tgt Ion:	95	Resp:	99362
Ion	Ratio	Lower	Upper
95	100		
174	87.5	0.0	201.8
176	87.8	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076509.D
Acq: 21 Jun 2023 13:22

Tgt Ion:	117	Resp:	267654
Ion	Ratio	Lower	Upper
117	100		
82	52.4	38.3	57.5
119	31.4	25.0	37.4

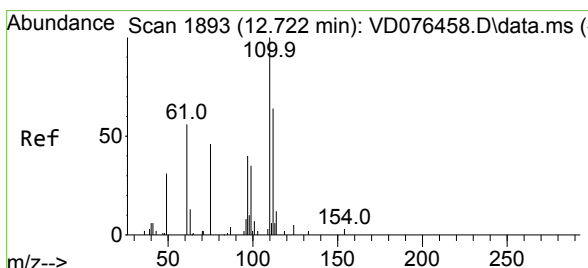
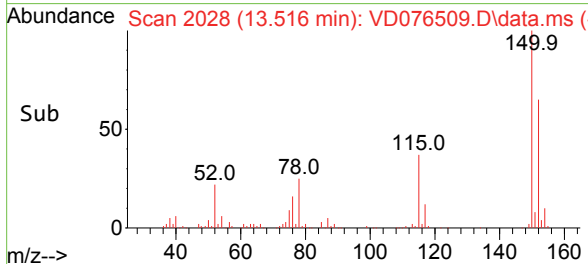
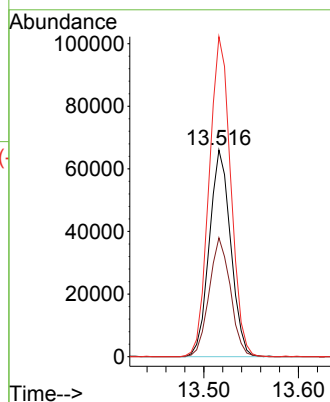
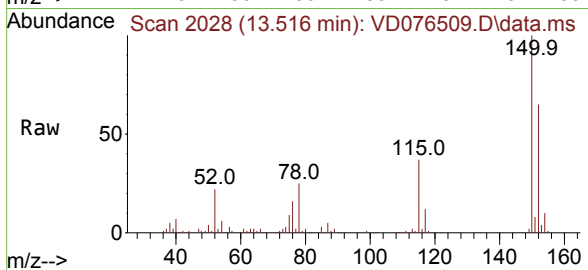




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD076509.D
 Acq: 21 Jun 2023 13:22

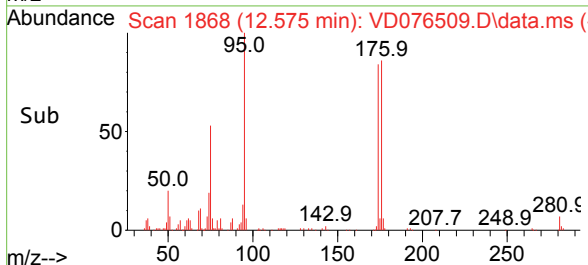
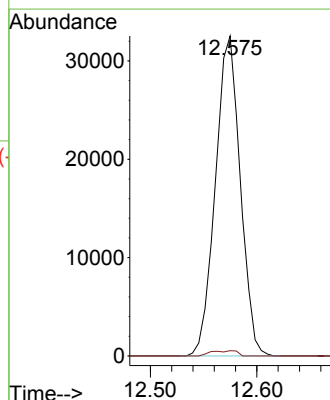
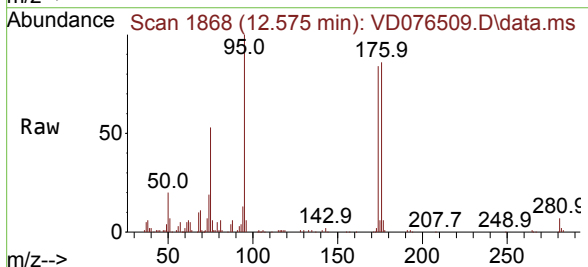
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-6

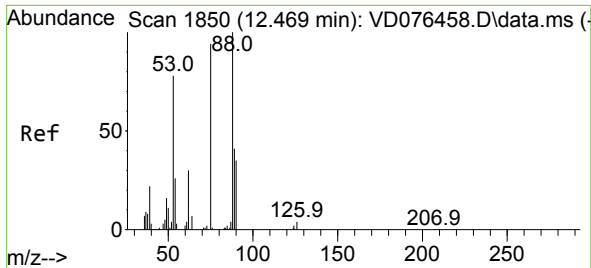
Tgt Ion:152 Resp: 103722
 Ion Ratio Lower Upper
 152 100
 115 57.2 27.1 81.3
 150 156.5 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 51.172 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD076509.D
 Acq: 21 Jun 2023 13:22

Tgt Ion: 75 Resp: 52677
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.129 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD076509.D
 Acq: 21 Jun 2023 13:22

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-6

Tgt Ion:	75	Resp:	52677
Ion	Ratio	Lower	Upper
75	100		
53	0.7	63.0	94.4#
89	0.3	37.9	56.9#

