

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062123\
 Data File : VD076514.D
 Acq On : 21 Jun 2023 15:51
 Operator : KP/SY
 Sample : 03336-16
 Misc : 5.75G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1

Quant Time: Jun 22 01:59:59 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)

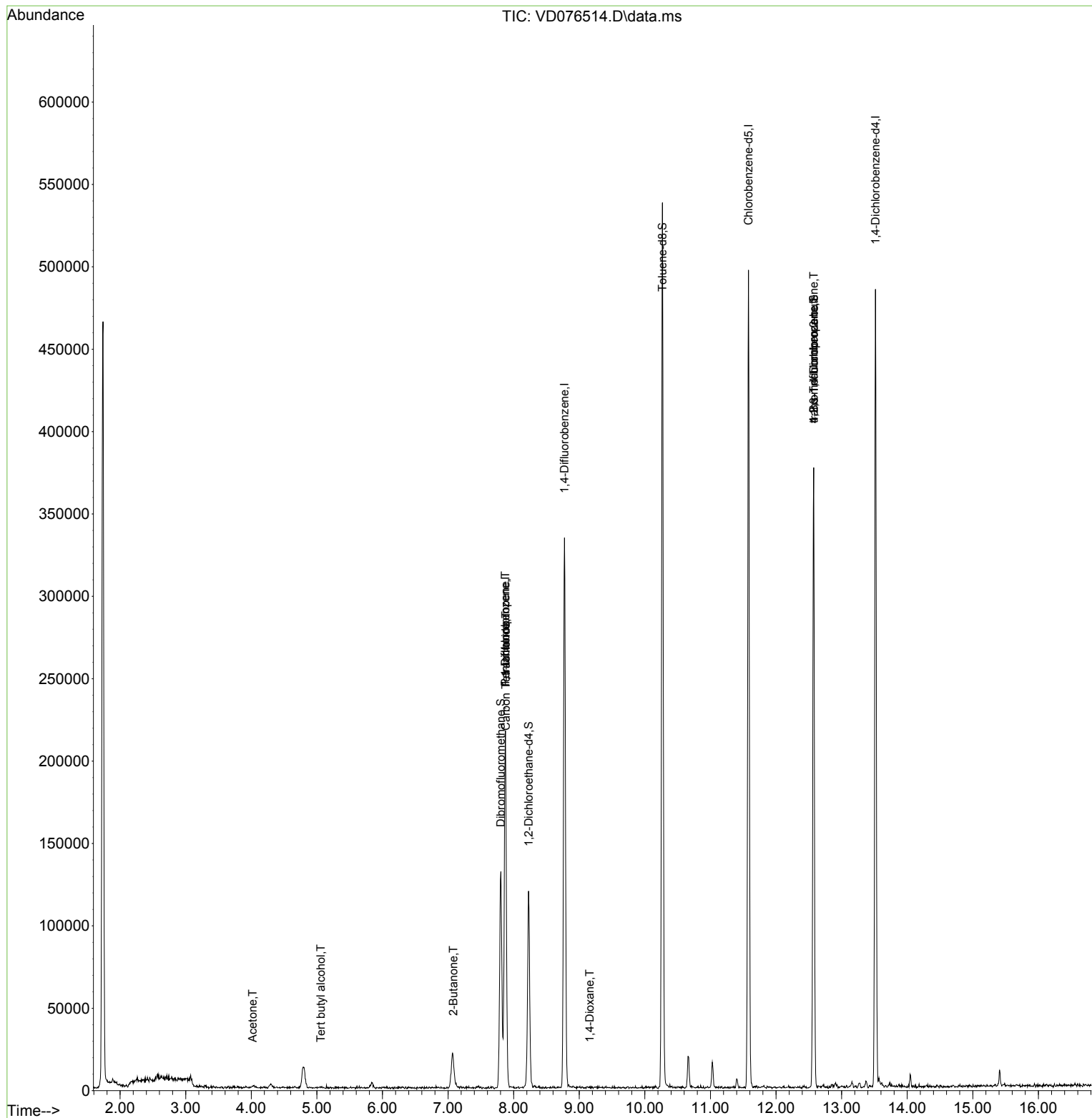
Internal Standards						
1) Pentafluorobenzene	7.875	168	164837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	295063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	276707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	128507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	85013	51.475	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.960%	
35) Dibromofluoromethane	7.804	113	92049	52.513	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.020%	
50) Toluene-d8	10.269	98	354830	53.376	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.760%	
62) 4-Bromofluorobenzene	12.575	95	106900	49.549	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.057	59	223	1.564	ug/l #	73
16) Acetone	4.022	43	1694	4.310	ug/l #	39
20) Methylene Chloride	4.787	84	10180	Below Cal	#	92
25) 2-Butanone	7.081	43	2145	3.529	ug/l #	71
28) Bromochloromethane	7.504	49	67	Below Cal	#	1
36) 1,1-Dichloropropene	7.875	75	13146	5.355	ug/l #	49
38) Carbon Tetrachloride	7.881	117	17332	7.900	ug/l #	15
49) 1,4-Dioxane	9.157	88	66	5.066	ug/l #	33
76) 1,2,3-Trichloropropane	12.575	75	57879	45.381	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	57879	99.440	ug/l #	17

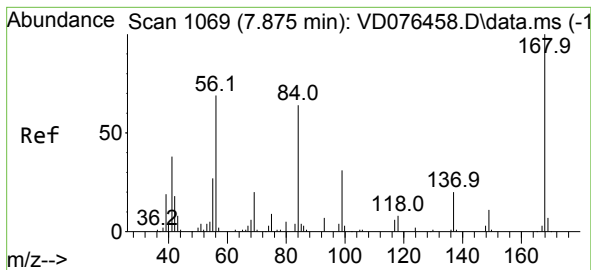
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD076514.D

Acq: 21 Jun 2023 15:51

Instrument :

MSVOA_D

ClientSampleId :

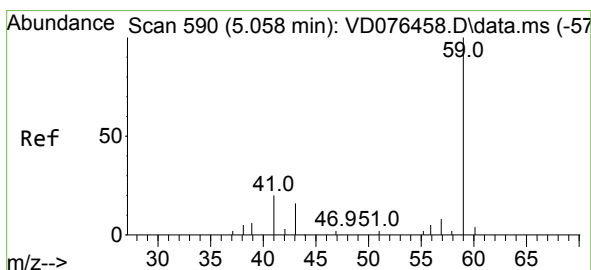
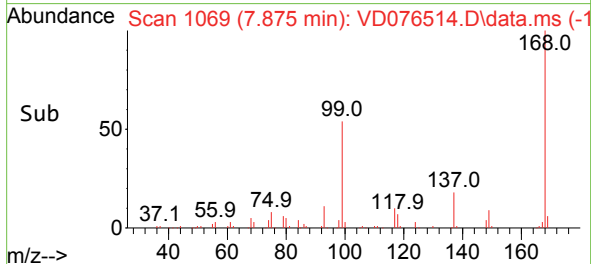
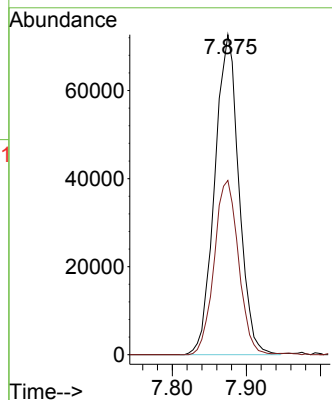
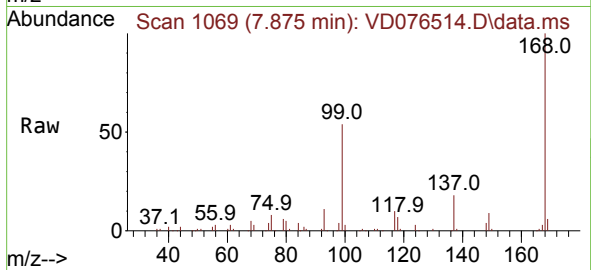
WC-1

Tgt Ion:168 Resp: 164837

Ion Ratio Lower Upper

168 100

99 54.5 36.7 55.1



#11

Tert butyl alcohol

Concen: 1.564 ug/l

RT: 5.057 min Scan# 590

Delta R.T. -0.000 min

Lab File: VD076514.D

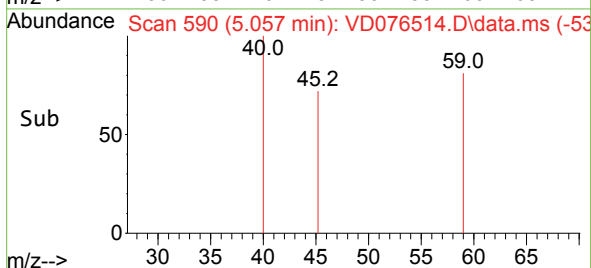
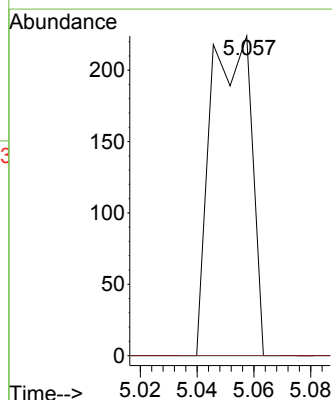
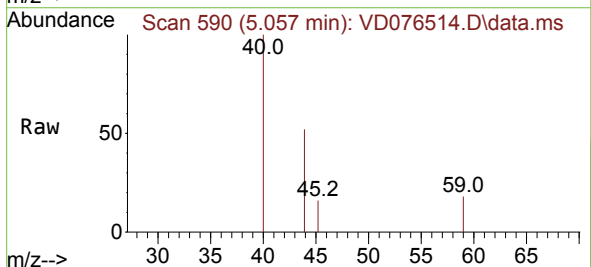
Acq: 21 Jun 2023 15:51

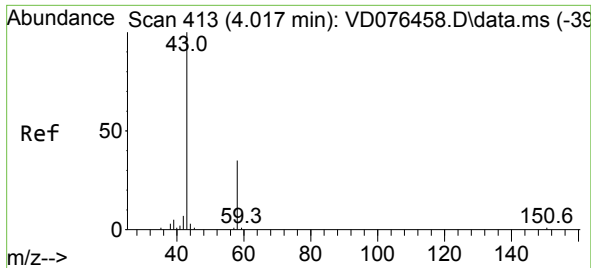
Tgt Ion: 59 Resp: 223

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#16

Acetone

Concen: 4.310 ug/l

RT: 4.022 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD076514.D

Acq: 21 Jun 2023 15:51

Instrument :

MSVOA_D

ClientSampleId :

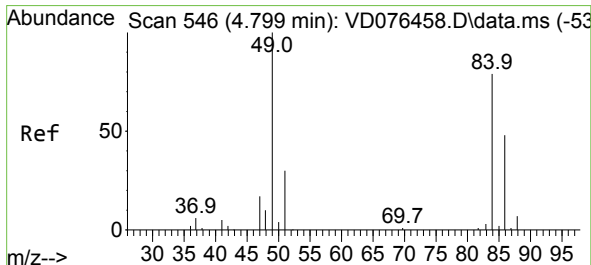
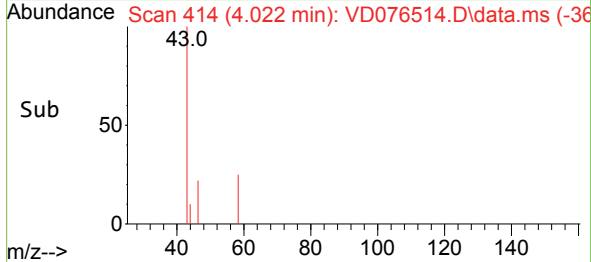
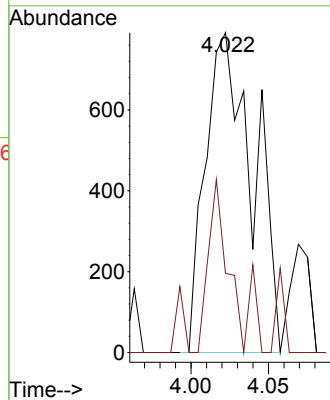
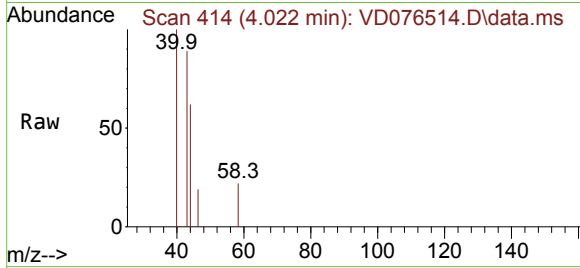
WC-1

Tgt Ion: 43 Resp: 1694

Ion Ratio Lower Upper

43 100

58 4.2 34.7 52.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.787 min Scan# 544

Delta R.T. -0.012 min

Lab File: VD076514.D

Acq: 21 Jun 2023 15:51

Tgt Ion: 84 Resp: 10180

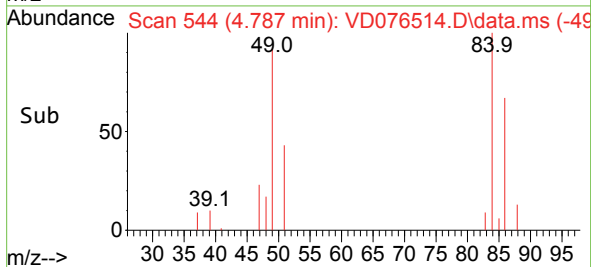
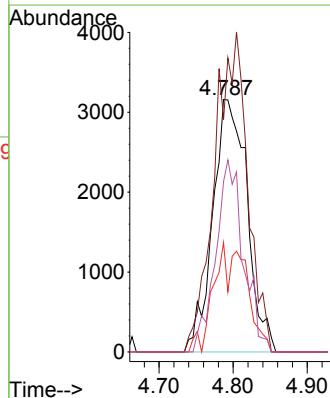
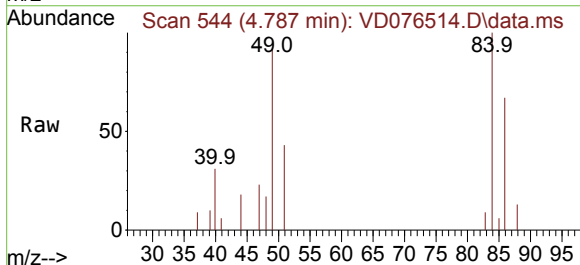
Ion Ratio Lower Upper

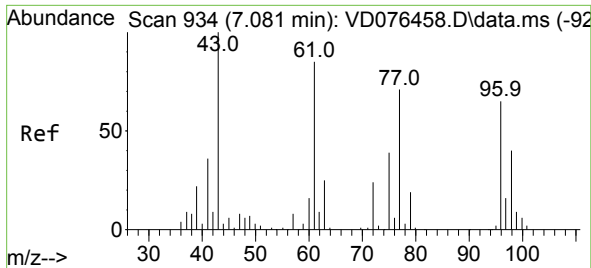
84 100

49 92.0 71.4 107.2

51 43.3 24.5 36.7#

86 67.5 48.7 73.1

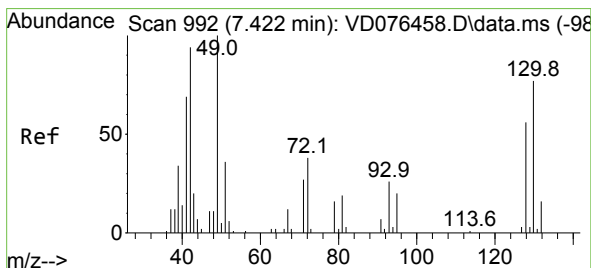
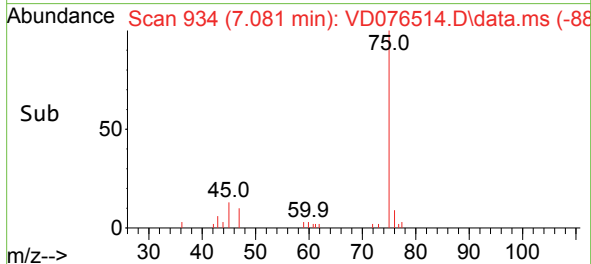
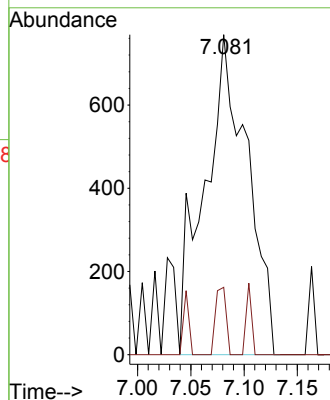
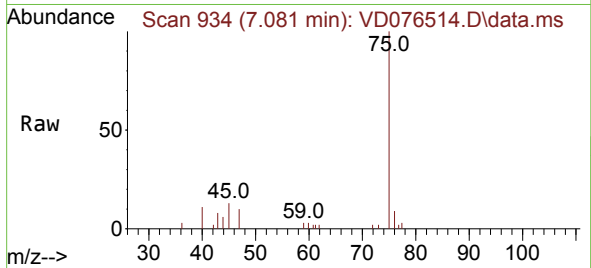




#25
2-Butanone
Concen: 3.529 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076514.D
Acq: 21 Jun 2023 15:51

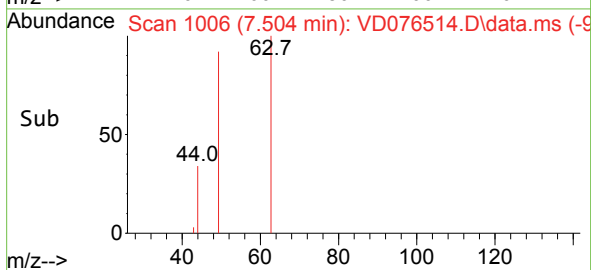
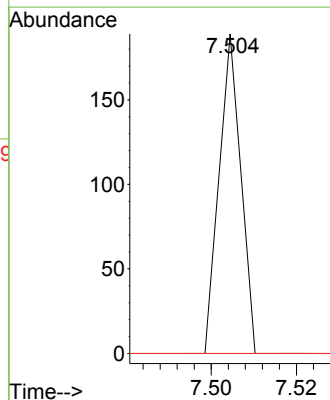
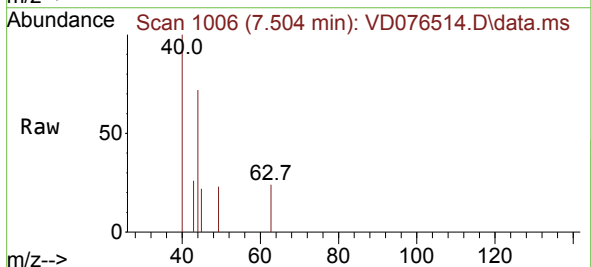
Instrument :
MSVOA_D
ClientSampleId :
WC-1

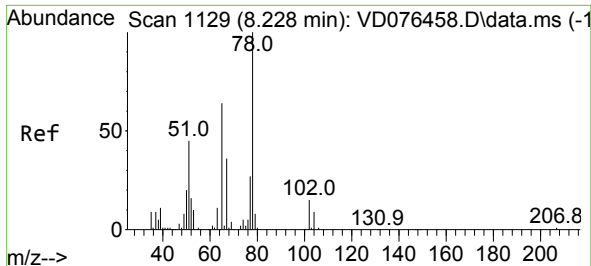
Tgt Ion: 43 Resp: 2145
Ion Ratio Lower Upper
43 100
72 21.1 30.7 46.1#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.504 min Scan# 1006
Delta R.T. 0.082 min
Lab File: VD076514.D
Acq: 21 Jun 2023 15:51

Tgt Ion: 49 Resp: 67
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: 51.475 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076514.D

Acq: 21 Jun 2023 15:51

Instrument :

MSVOA_D

ClientSampleId :

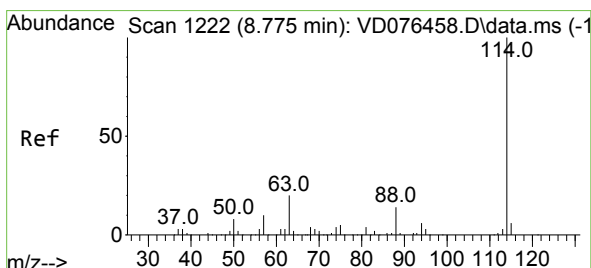
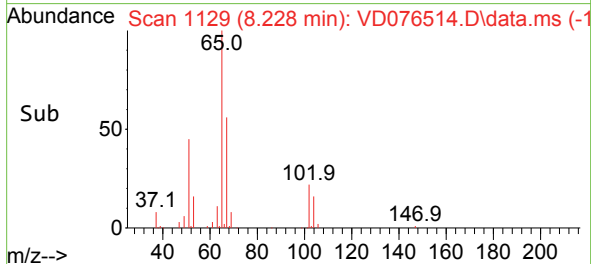
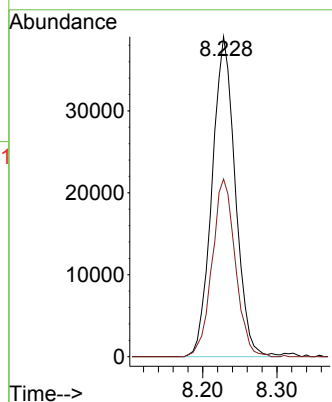
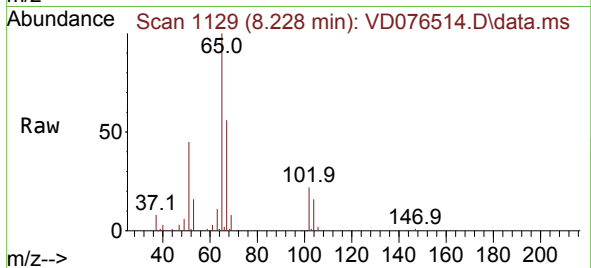
WC-1

Tgt Ion: 65 Resp: 85013

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: VD076514.D

Acq: 21 Jun 2023 15:51

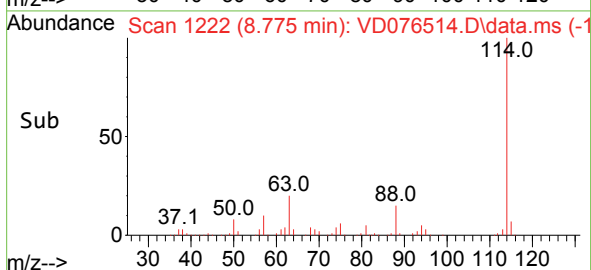
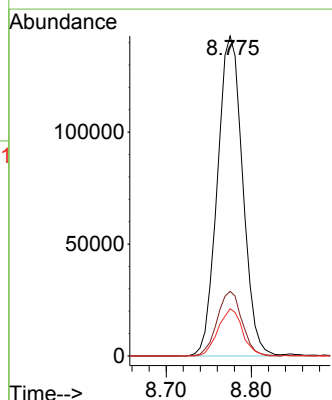
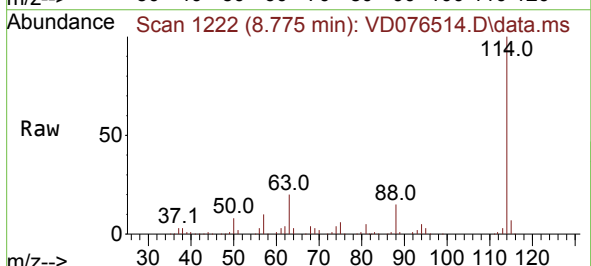
Tgt Ion: 114 Resp: 295063

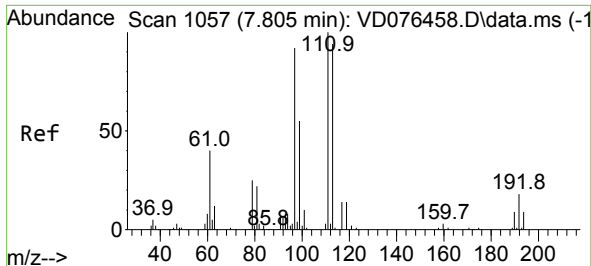
Ion Ratio Lower Upper

114 100

63 20.2 0.0 33.4

88 14.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 52.513 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076514.D

Acq: 21 Jun 2023 15:51

Instrument :

MSVOA_D

ClientSampleId :

WC-1

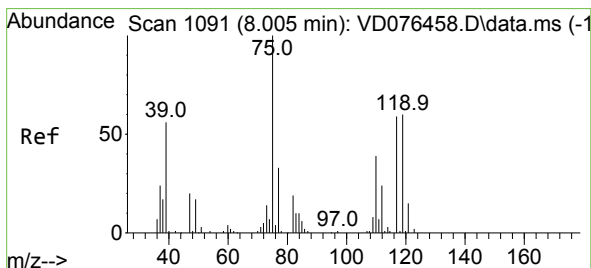
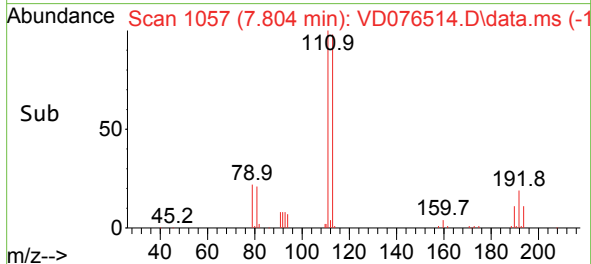
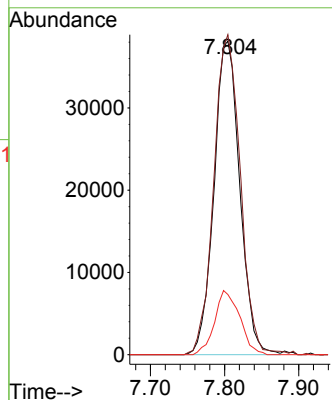
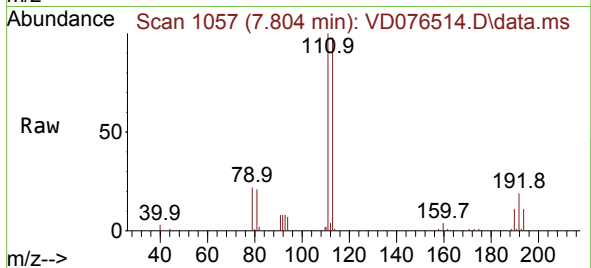
Tgt Ion:113 Resp: 92049

Ion Ratio Lower Upper

113 100

111 105.1 84.7 127.1

192 19.9 16.8 25.2



#36

1,1-Dichloropropene

Concen: 5.355 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076514.D

Acq: 21 Jun 2023 15:51

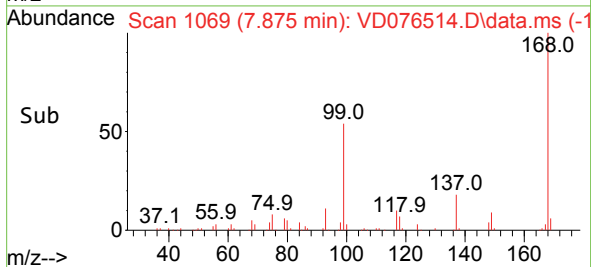
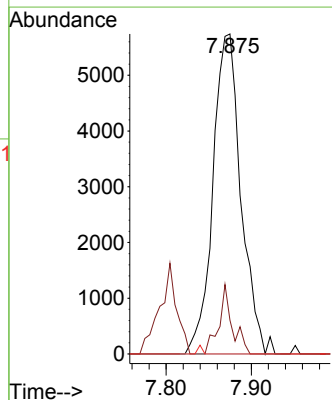
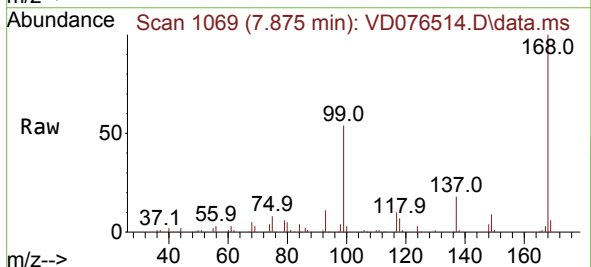
Tgt Ion: 75 Resp: 13146

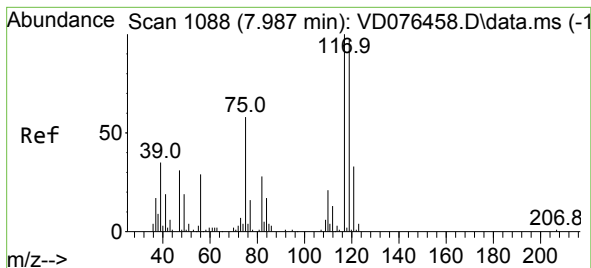
Ion Ratio Lower Upper

75 100

110 10.5 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 7.900 ug/l

RT: 7.881 min Scan# 1

Delta R.T. -0.106 min

Lab File: VD076514.D

Acq: 21 Jun 2023 15:51

Instrument :

MSVOA_D

ClientSampleId :

WC-1

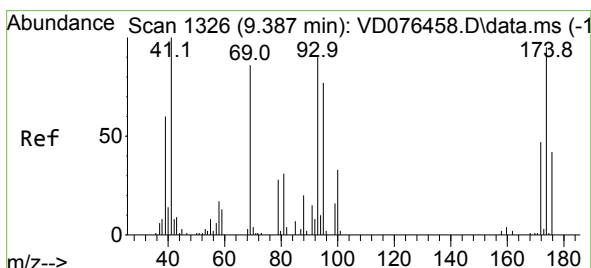
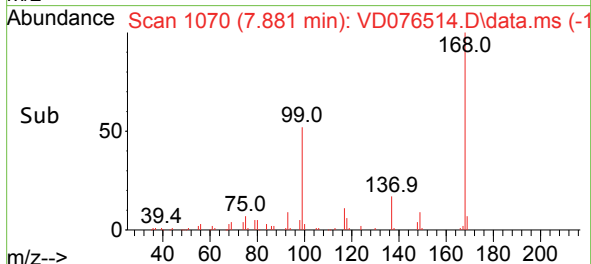
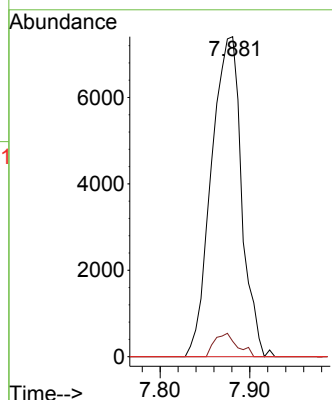
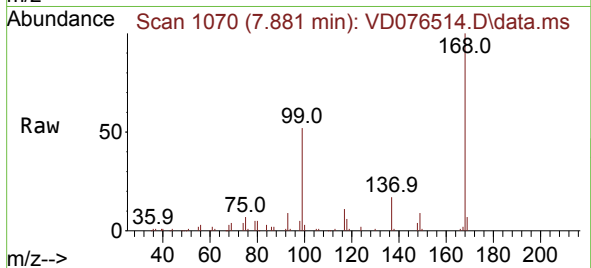
Tgt Ion:117 Resp: 17332

Ion Ratio Lower Upper

117 100

119 4.8 78.0 117.0#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 5.066 ug/l

RT: 9.157 min Scan# 1287

Delta R.T. -0.230 min

Lab File: VD076514.D

Acq: 21 Jun 2023 15:51

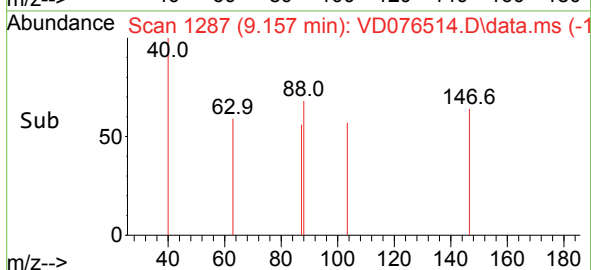
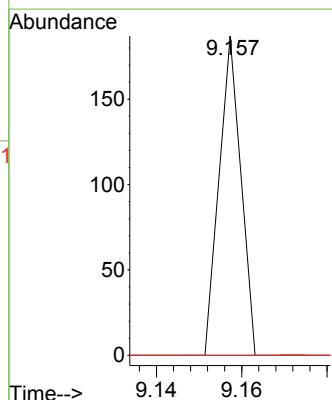
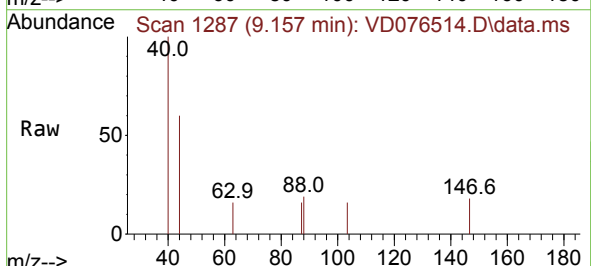
Tgt Ion: 88 Resp: 66

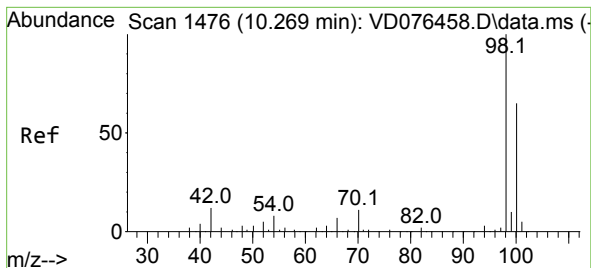
Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#

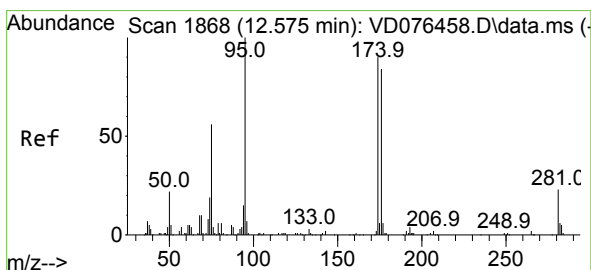
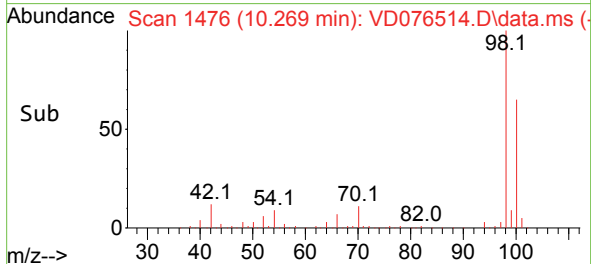
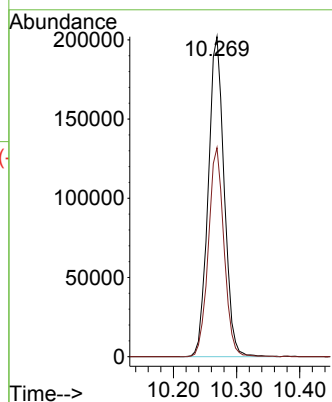
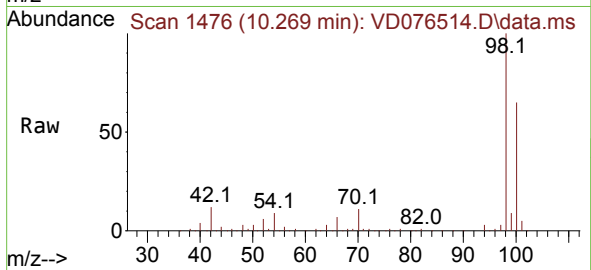




#50
Toluene-d8
Concen: 53.376 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076514.D
Acq: 21 Jun 2023 15:51

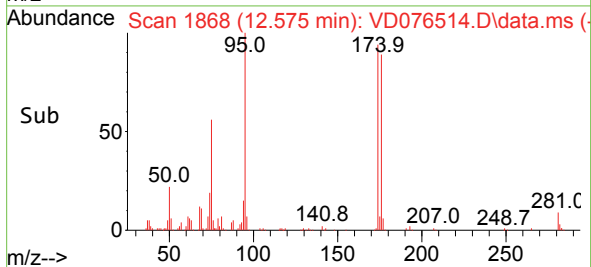
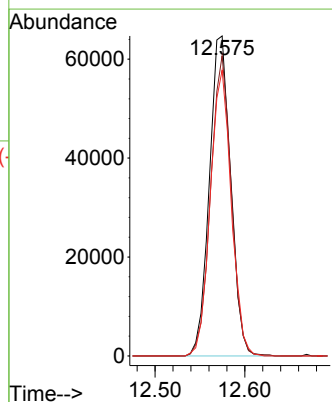
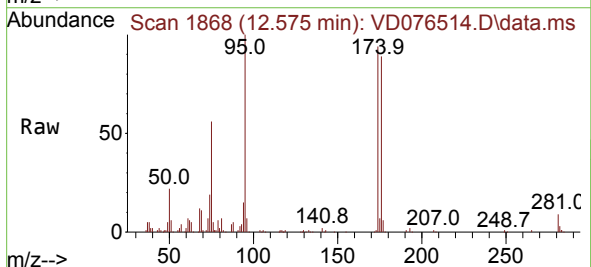
Instrument :
MSVOA_D
ClientSampleId :
WC-1

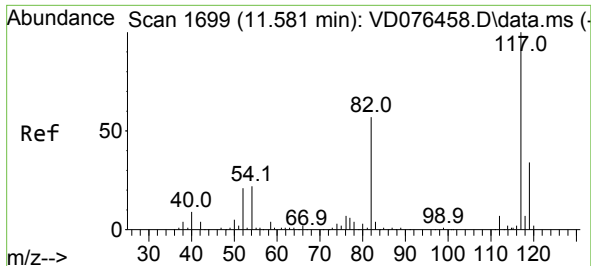
Tgt Ion: 98 Resp: 354830
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 49.549 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076514.D
Acq: 21 Jun 2023 15:51

Tgt Ion: 95 Resp: 106900
Ion Ratio Lower Upper
95 100
174 90.5 0.0 201.8
176 87.5 0.0 191.8

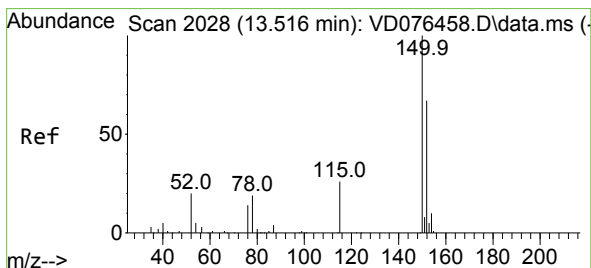
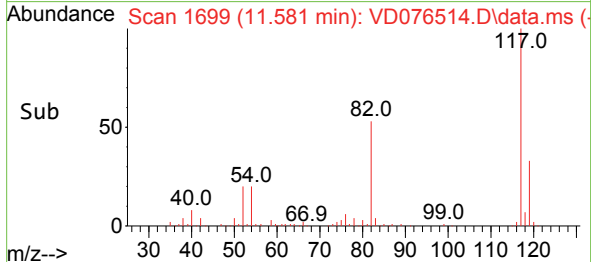
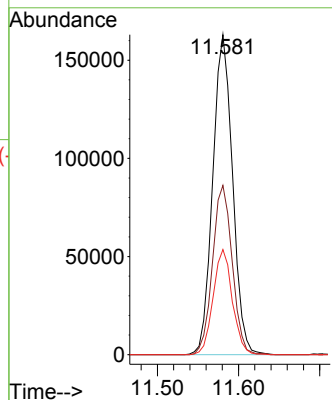
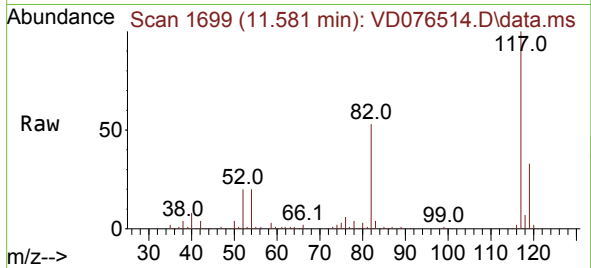




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076514.D
Acq: 21 Jun 2023 15:51

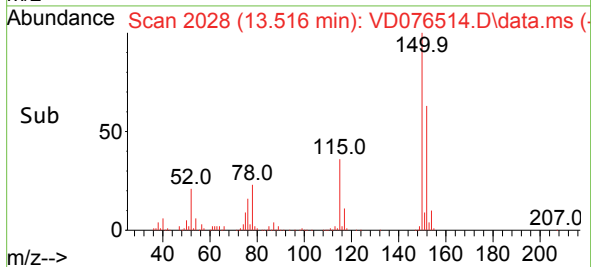
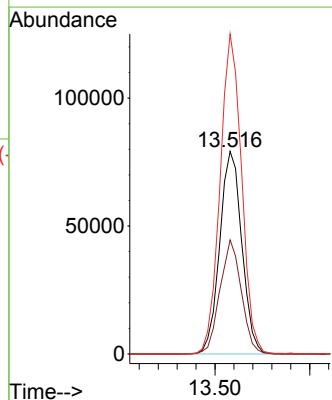
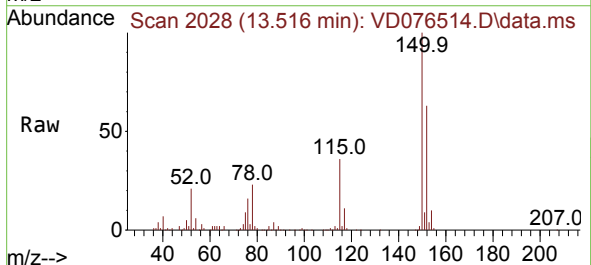
Instrument :
MSVOA_D
ClientSampleId :
WC-1

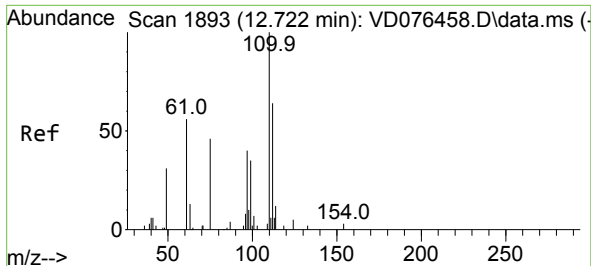
Tgt Ion:117 Resp: 276707
Ion Ratio Lower Upper
117 100
82 52.9 38.3 57.5
119 32.9 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076514.D
Acq: 21 Jun 2023 15:51

Tgt Ion:152 Resp: 128507
Ion Ratio Lower Upper
152 100
115 54.4 27.1 81.3
150 153.9 0.0 353.6

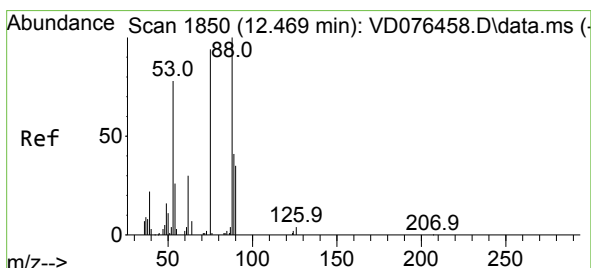
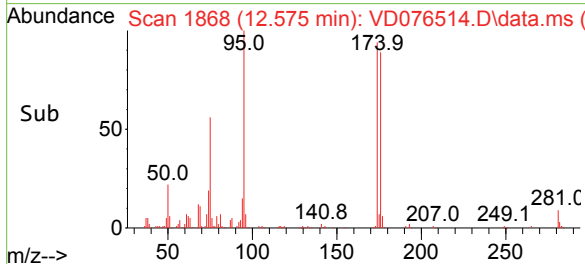
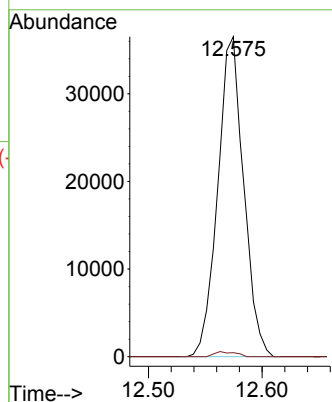
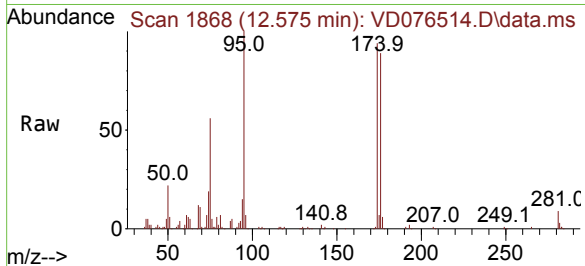




#76
1,2,3-Trichloropropane
Concen: 45.381 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076514.D
Acq: 21 Jun 2023 15:51

Instrument :
MSVOA_D
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 57879
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.440 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076514.D
Acq: 21 Jun 2023 15:51

Tgt Ion: 75 Resp: 57879
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

