

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072122\
 Data File : VD073899.D
 Acq On : 21 Jul 2022 16:32
 Operator : VA/SY
 Sample : N3814-04
 Misc : 5.68G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ENV-DE-3(0-5)

Quant Time: Jul 22 01:19:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 20 15:29:08 2022
 Response via : Initial Calibration

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

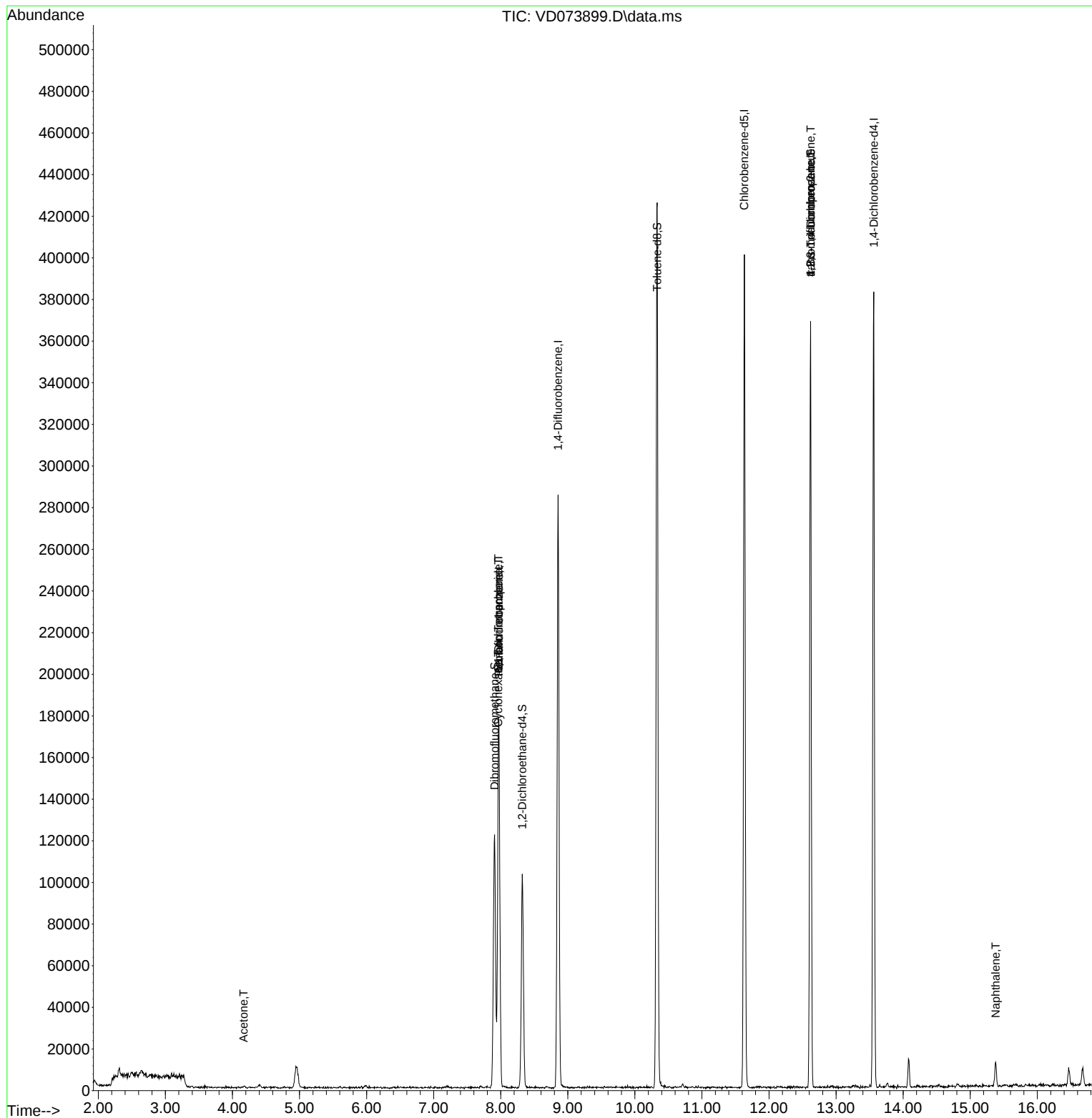
Internal Standards						
1) Pentafluorobenzene	7.973	168	127361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	236325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	224113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	96611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	80051	52.636	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.280%
35) Dibromofluoromethane	7.909	113	82948	49.752	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.500%
50) Toluene-d8	10.332	98	294697	48.691	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.380%
62) 4-Bromofluorobenzene	12.620	95	97520	46.863	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.720%
Target Compounds						
2) Dichlorodifluoromethane	1.997	85	75	Below Cal	#	43
3) Chloromethane	2.209	50	602	Below Cal	#	74
11) Tert butyl alcohol	5.250	59	59	Below Cal	#	74
16) Acetone	4.168	43	889	3.562	ug/l #	33
20) Methylene Chloride	4.956	84	8419	Below Cal	#	82
31) Cyclohexane	7.961	56	3267	1.352	ug/l #	28
36) 1,1-Dichloropropene	7.967	75	10691	4.445	ug/l #	53
38) Carbon Tetrachloride	7.967	117	14694	5.349	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	54437	52.515	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	54437	141.709	ug/l #	7
95) Naphthalene	15.379	128	10252	3.175	ug/l	98

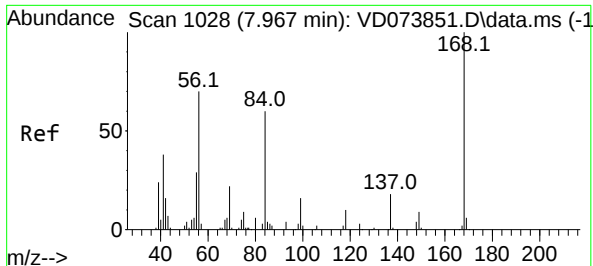
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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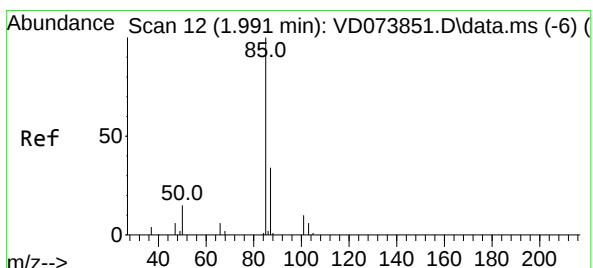
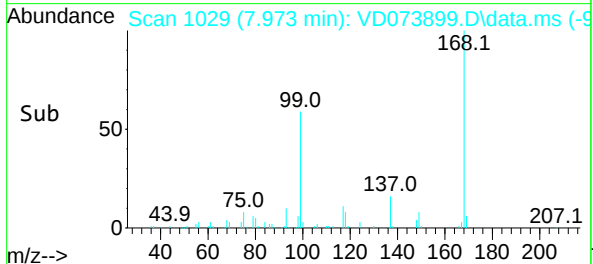
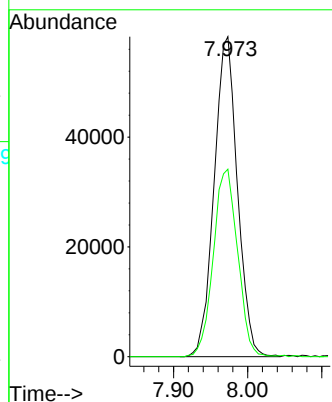
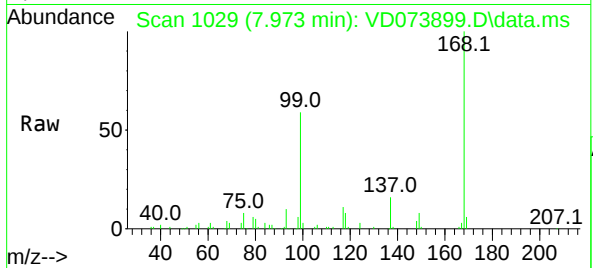




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD073899.D
Acq: 21 Jul 2022 16:32

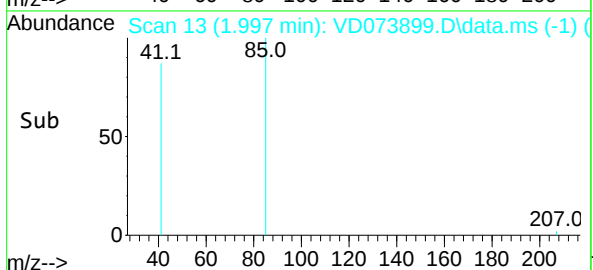
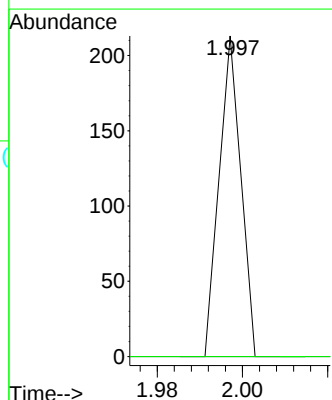
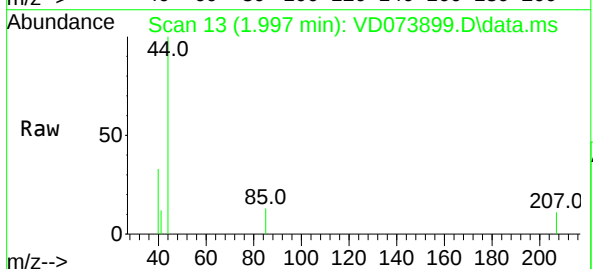
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-3(0-5)

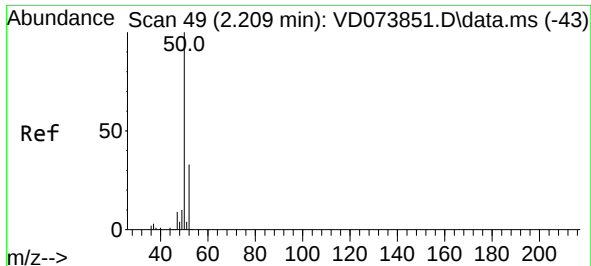
Tgt Ion:168 Resp: 127361
Ion Ratio Lower Upper
168 100
99 58.6 49.8 74.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.997 min Scan# 13
Delta R.T. 0.006 min
Lab File: VD073899.D
Acq: 21 Jul 2022 16:32

Tgt Ion: 85 Resp: 75
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#

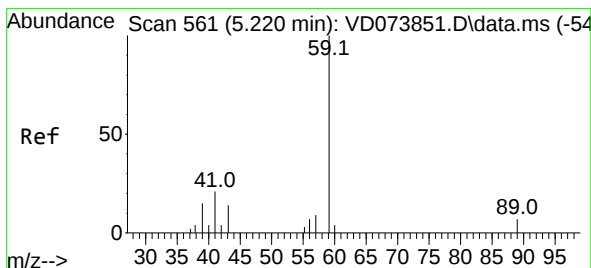
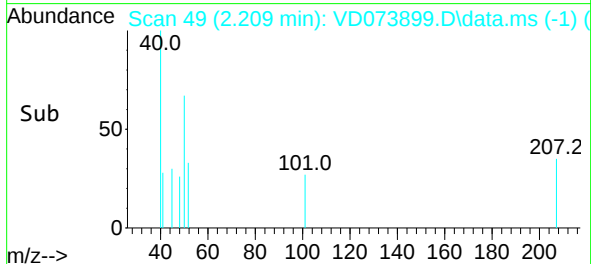
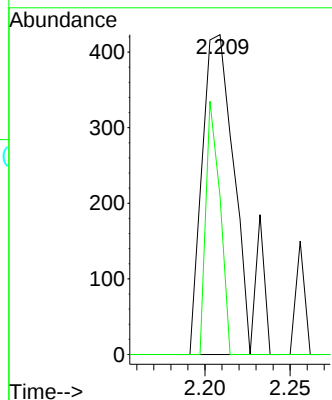
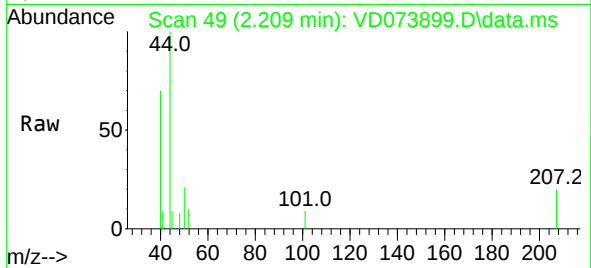




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073899.D
Acq: 21 Jul 2022 16:32

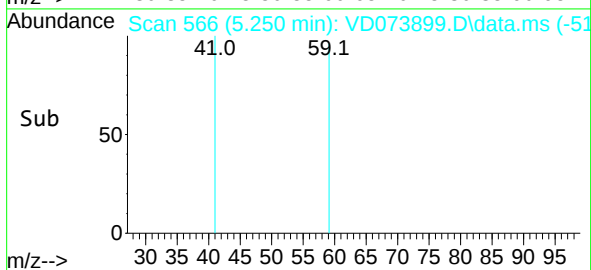
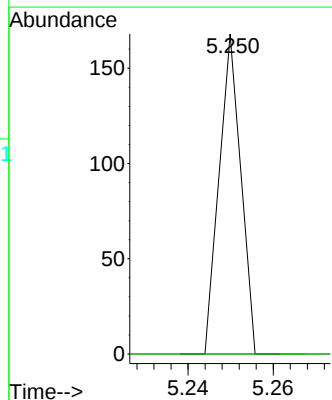
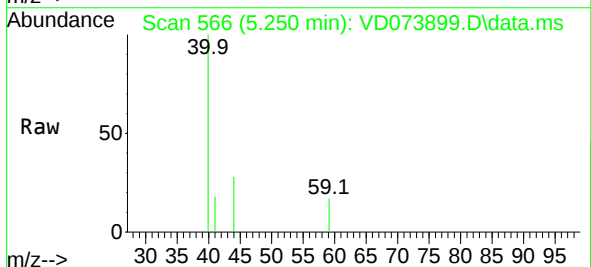
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-3(0-5)

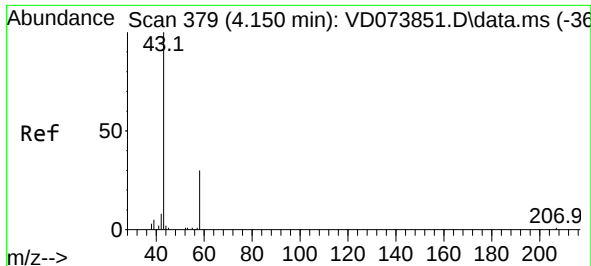
Tgt Ion: 50 Resp: 602
Ion Ratio Lower Upper
50 100
52 49.4 27.4 41.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.250 min Scan# 566
Delta R.T. 0.030 min
Lab File: VD073899.D
Acq: 21 Jul 2022 16:32

Tgt Ion: 59 Resp: 59
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

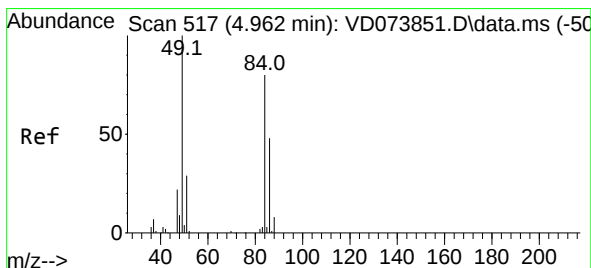
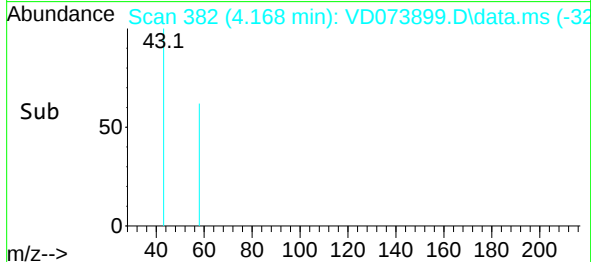
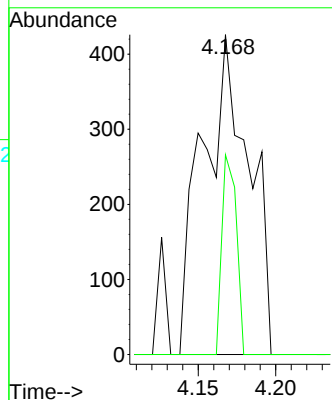
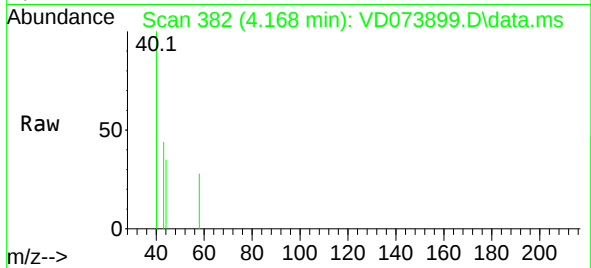




#16
Acetone
Concen: 3.562 ug/l
RT: 4.168 min Scan# 31
Delta R.T. 0.018 min
Lab File: VD073899.D
Acq: 21 Jul 2022 16:32

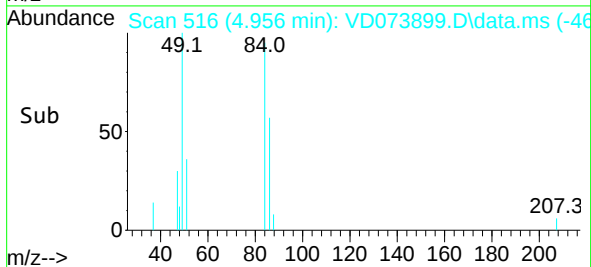
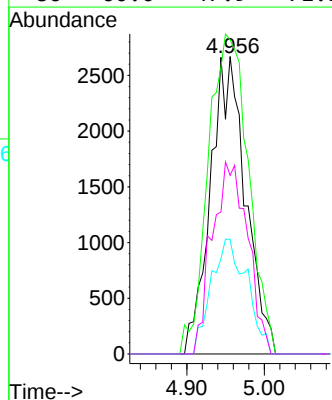
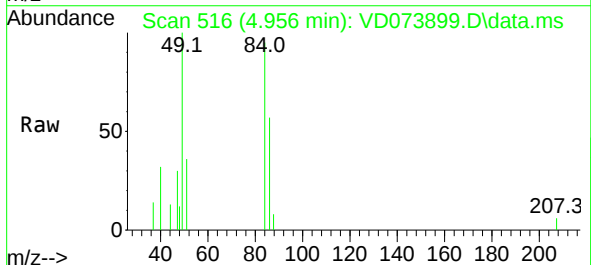
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-3(0-5)

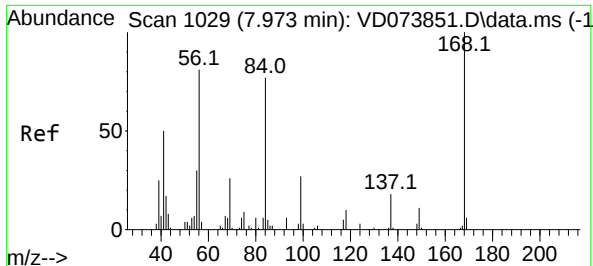
Tgt Ion: 43 Resp: 889
Ion Ratio Lower Upper
43 100
58 62.4 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD073899.D
Acq: 21 Jul 2022 16:32

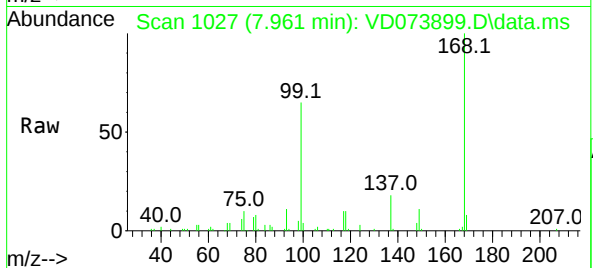
Tgt Ion: 84 Resp: 8419
Ion Ratio Lower Upper
84 100
49 105.6 112.8 169.2#
51 38.5 32.6 48.8
86 60.0 47.9 71.9



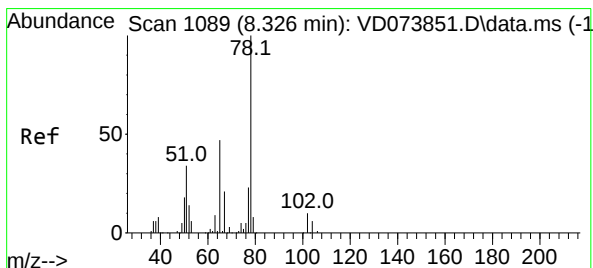
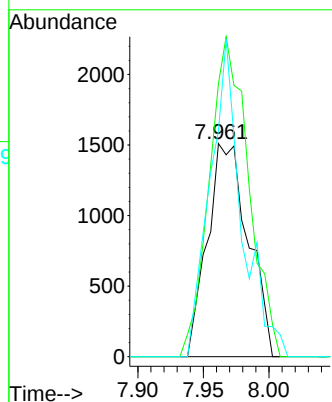
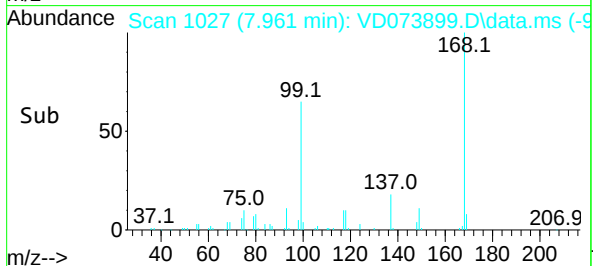


#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.012 min
Lab File: VD073899.D
Acq: 21 Jul 2022 16:32

Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-3(0-5)

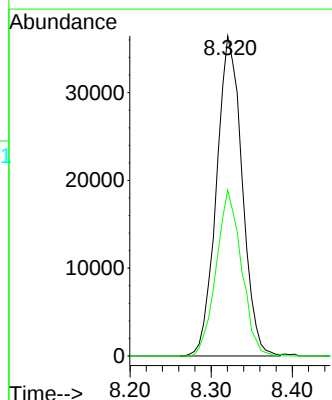
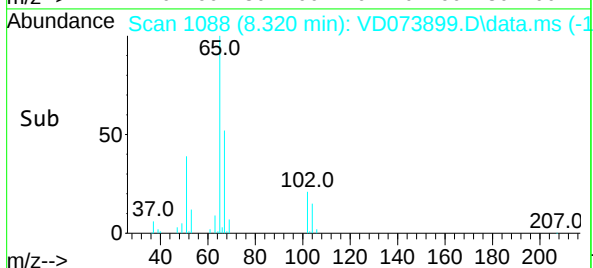
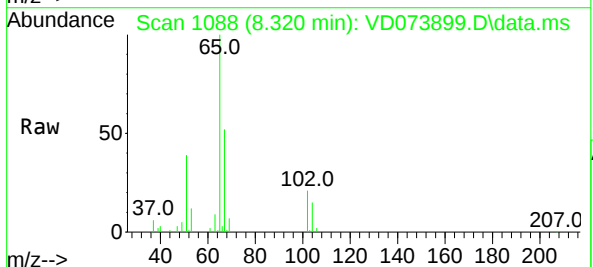


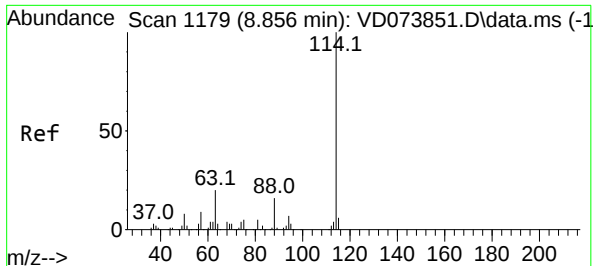
Tgt Ion: 56 Resp: 3267
Ion Ratio Lower Upper
56 100
69 128.1 25.4 38.2#
84 105.9 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 52.636 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073899.D
Acq: 21 Jul 2022 16:32

Tgt Ion: 65 Resp: 80051
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073899.D

Acq: 21 Jul 2022 16:32

Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-3(0-5)

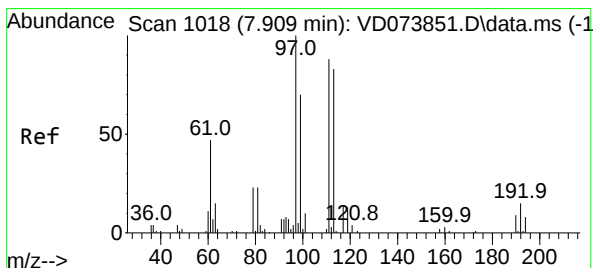
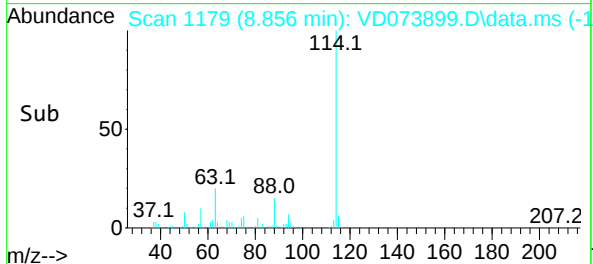
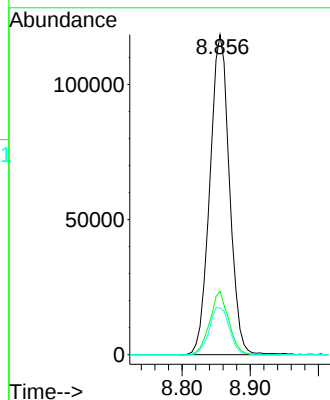
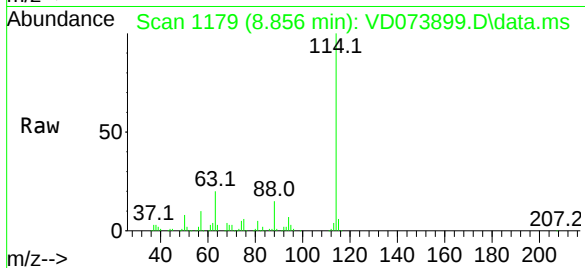
Tgt Ion:114 Resp: 236325

Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 14.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.752 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073899.D

Acq: 21 Jul 2022 16:32

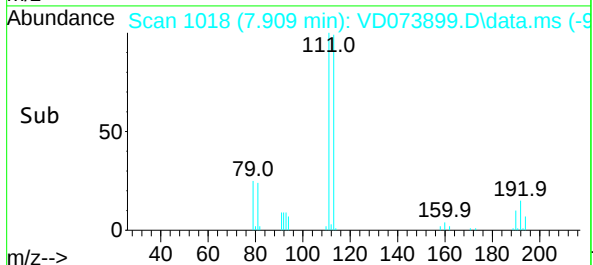
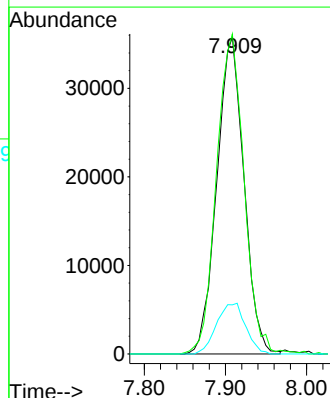
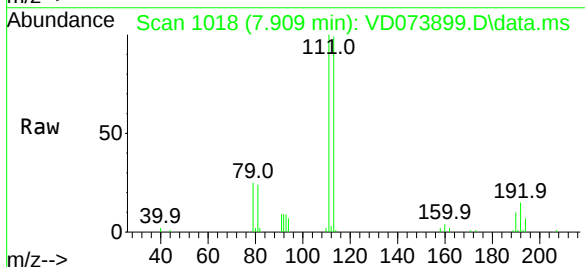
Tgt Ion:113 Resp: 82948

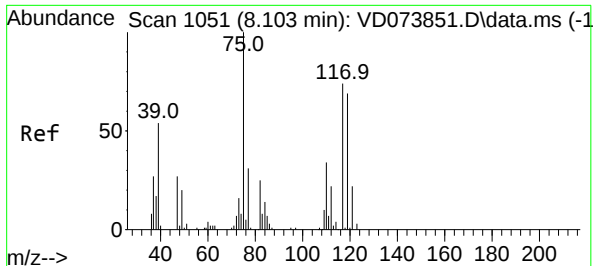
Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 17.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.445 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.135 min

Lab File: VD073899.D

Acq: 21 Jul 2022 16:32

Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-3(0-5)

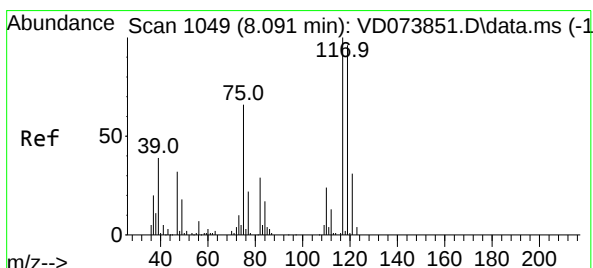
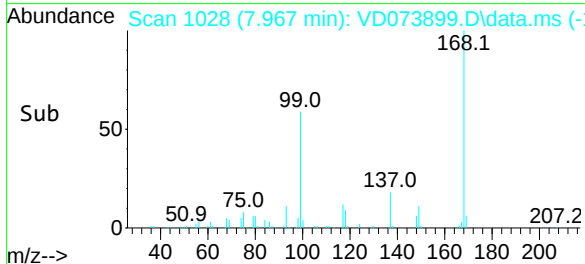
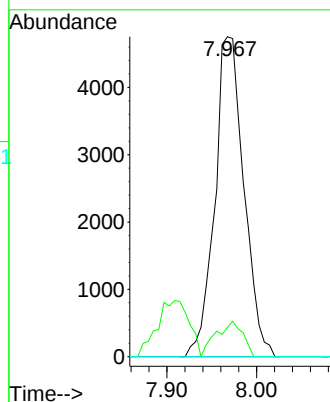
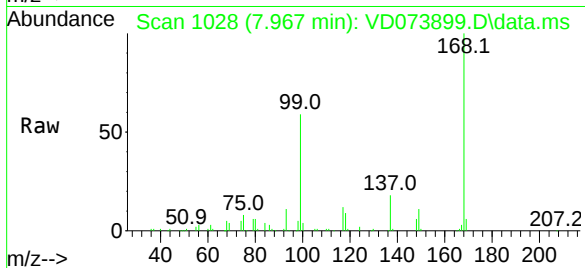
Tgt Ion: 75 Resp: 10691

Ion Ratio Lower Upper

75 100

110 10.2 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.349 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD073899.D

Acq: 21 Jul 2022 16:32

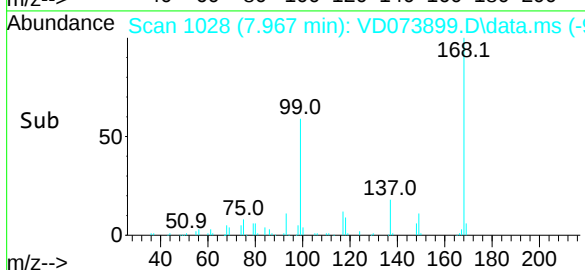
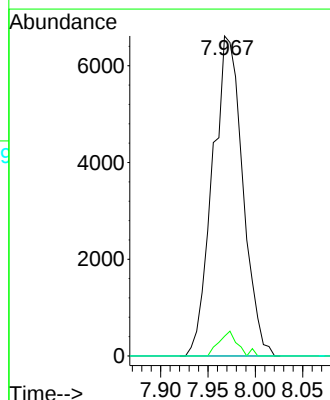
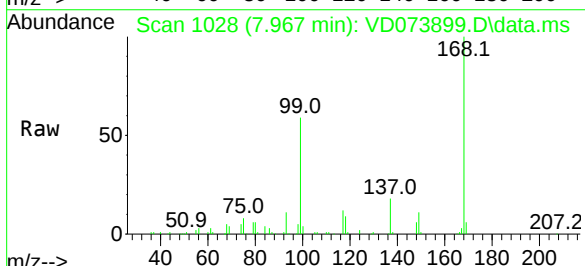
Tgt Ion: 117 Resp: 14694

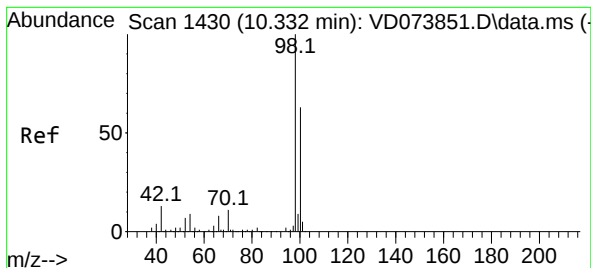
Ion Ratio Lower Upper

117 100

119 6.1 75.8 113.6#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 48.691 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD073899.D

Acq: 21 Jul 2022 16:32

Instrument :

MSVOA_D

ClientSampleId :

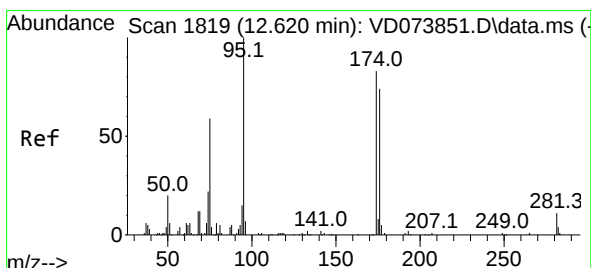
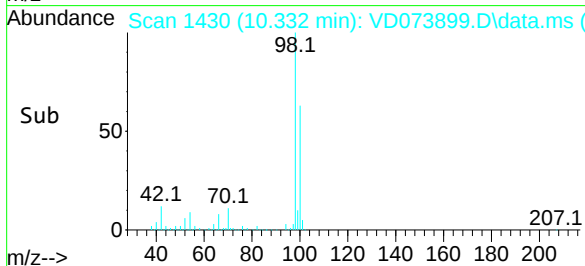
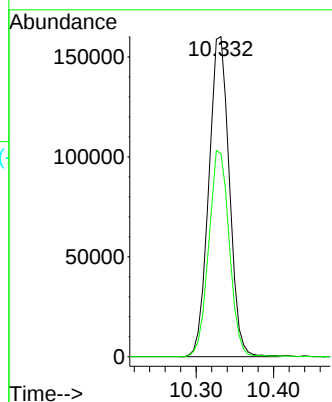
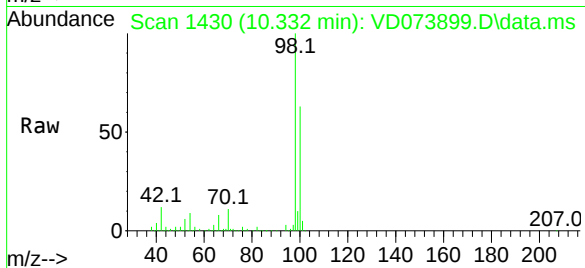
ENV-DE-3(0-5)

Tgt Ion: 98 Resp: 294697

Ion Ratio Lower Upper

98 100

100 64.5 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.863 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD073899.D

Acq: 21 Jul 2022 16:32

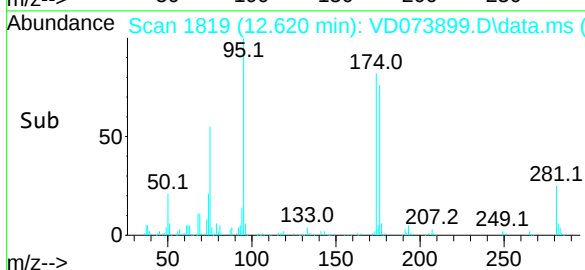
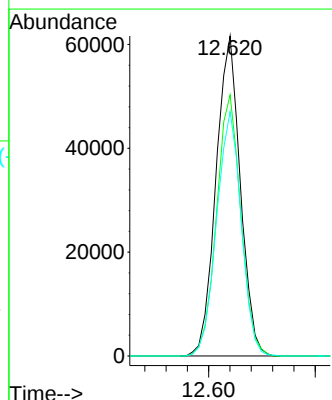
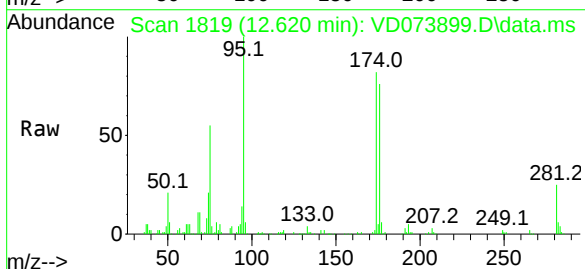
Tgt Ion: 95 Resp: 97520

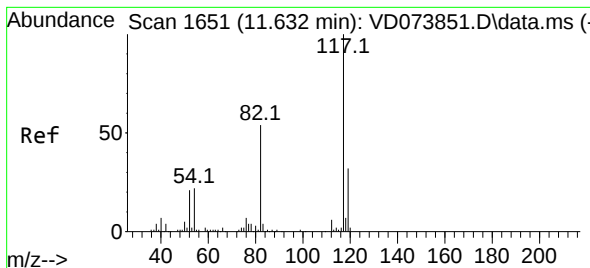
Ion Ratio Lower Upper

95 100

174 81.5 0.0 152.8

176 77.1 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD073899.D

Acq: 21 Jul 2022 16:32

Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-3(0-5)

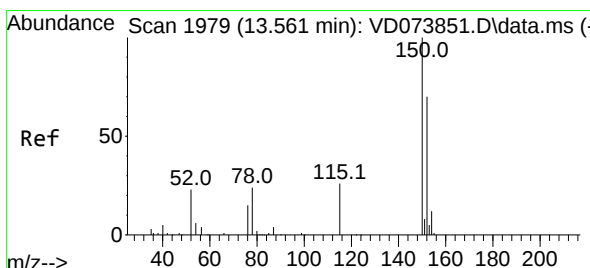
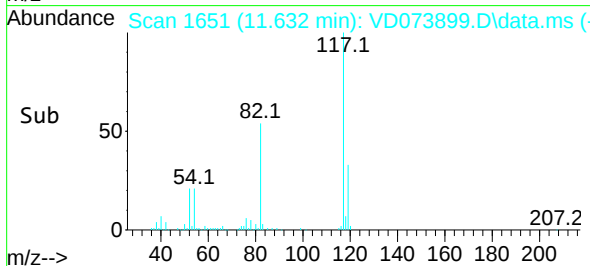
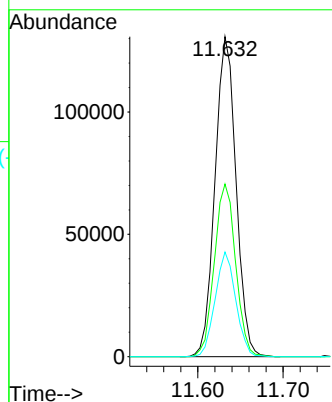
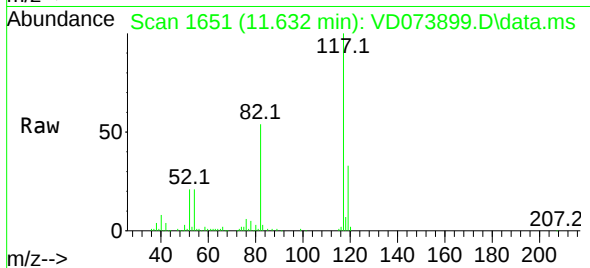
Tgt Ion:117 Resp: 224113

Ion Ratio Lower Upper

117 100

82 53.9 45.3 67.9

119 32.7 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073899.D

Acq: 21 Jul 2022 16:32

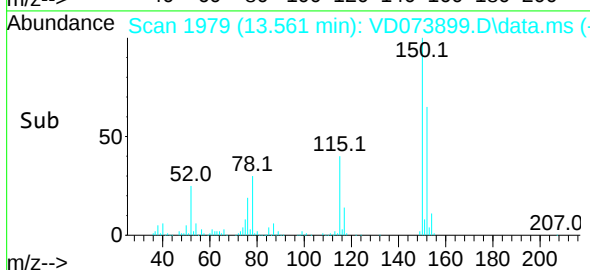
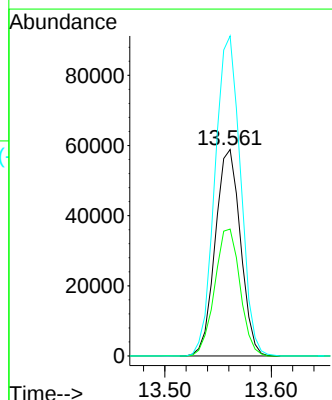
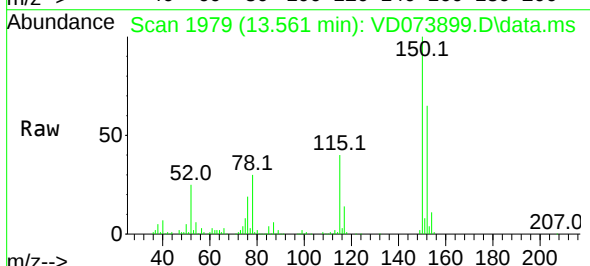
Tgt Ion:152 Resp: 96611

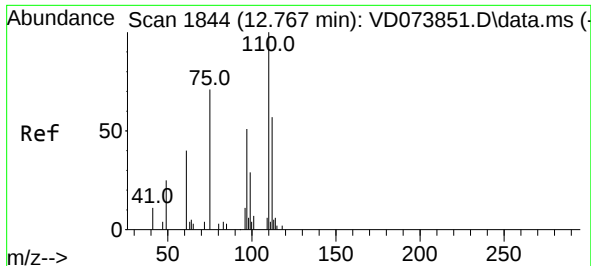
Ion Ratio Lower Upper

152 100

115 61.9 31.3 93.8

150 157.4 0.0 348.6

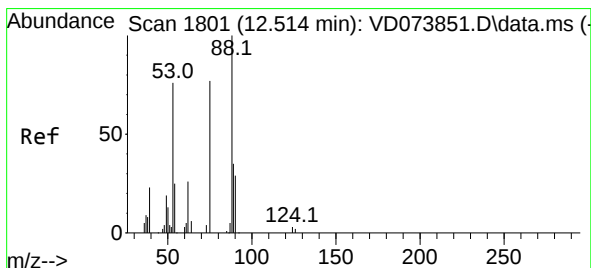
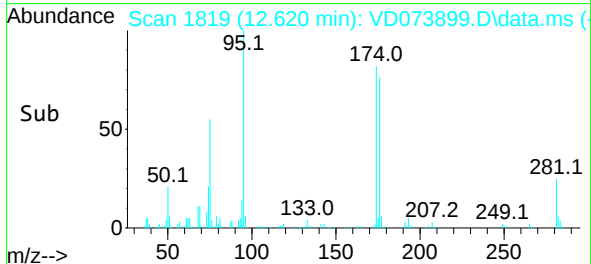
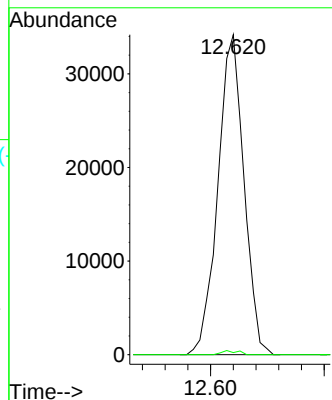
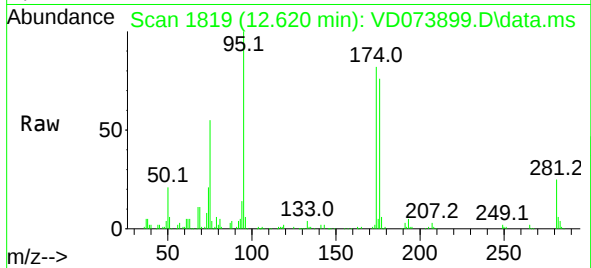




#76
1,2,3-Trichloropropane
Concen: 52.515 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073899.D
Acq: 21 Jul 2022 16:32

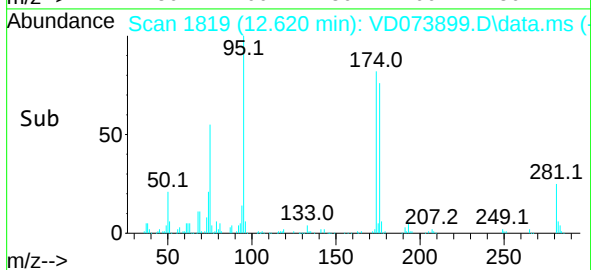
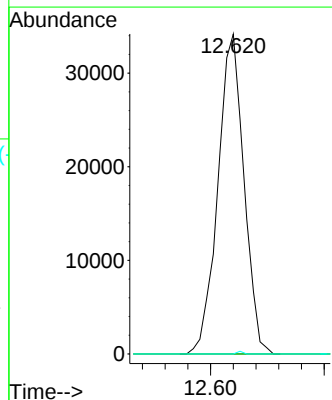
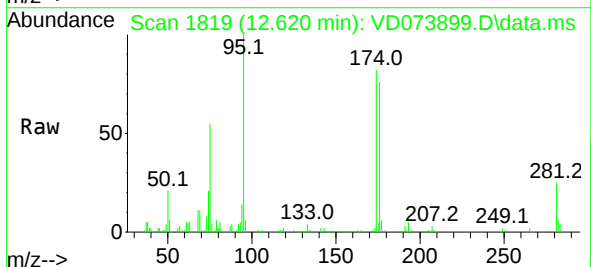
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-3(0-5)

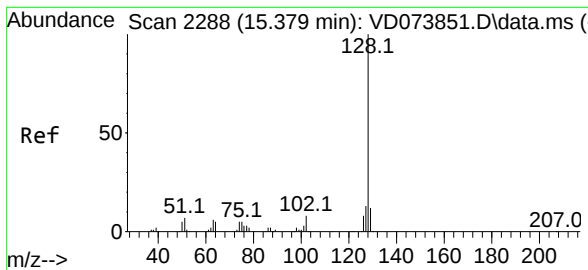
Tgt Ion: 75 Resp: 54437
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.709 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073899.D
Acq: 21 Jul 2022 16:32

Tgt Ion: 75 Resp: 54437
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.2 33.9 50.9#





#95
 Naphthalene
 Concen: 3.175 ug/l
 RT: 15.379 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD073899.D
 Acq: 21 Jul 2022 16:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ENV-DE-3(0-5)

Tgt Ion:	128	Resp:	10252
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.3	15.5
129	10.3	8.4	12.6

