

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052722\
 Data File : VD073414.D
 Acq On : 27 May 2022 16:38
 Operator : VA/SY
 Sample : N3088-01
 Misc : 5.41G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 28 09:45:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

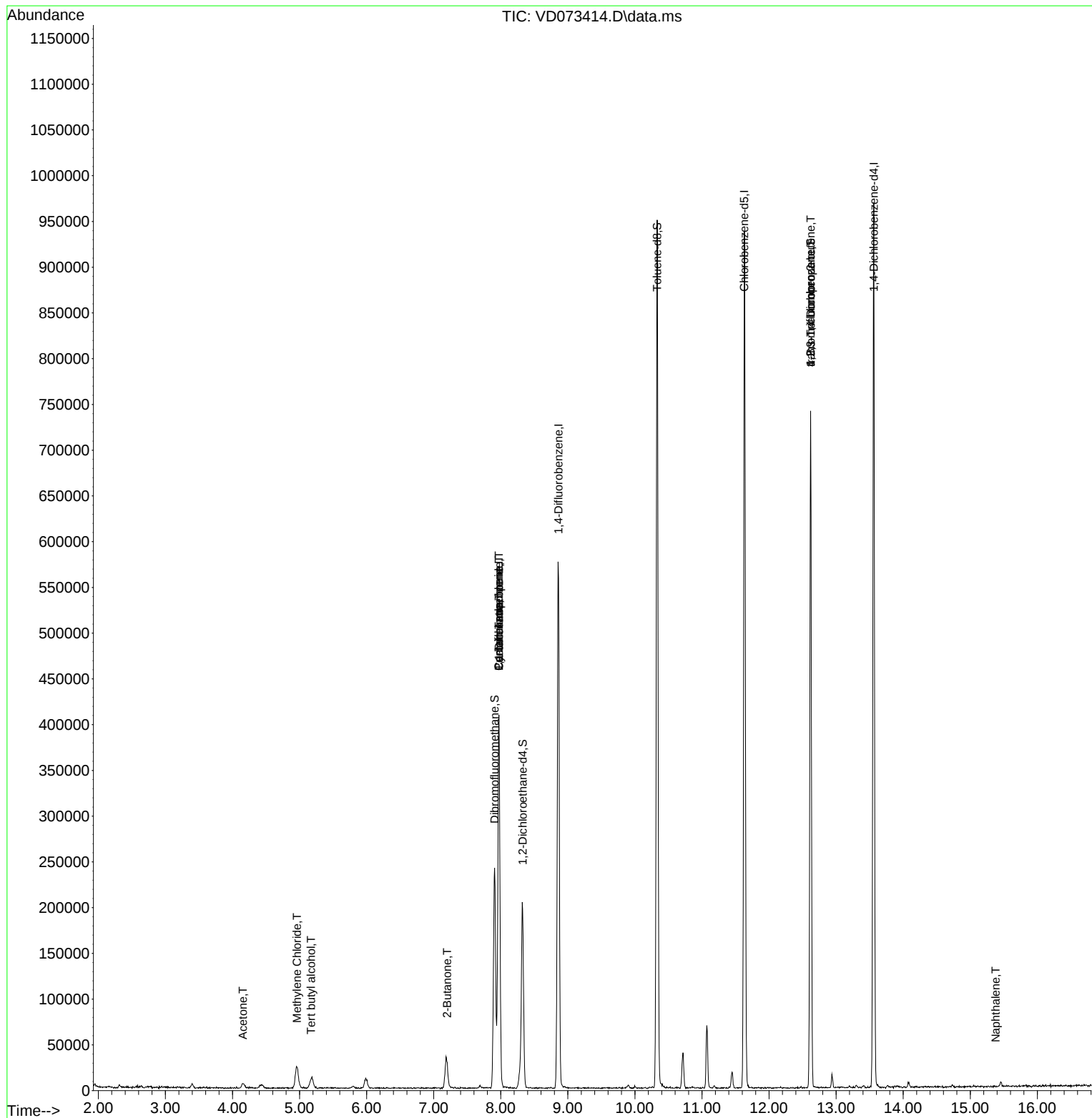
Internal Standards						
1) Pentafluorobenzene	7.973	168	288641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	506955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	551002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	256324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	159148	49.891	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.780%
35) Dibromofluoromethane	7.908	113	171425	51.245	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.480%
50) Toluene-d8	10.332	98	634282	51.437	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.880%
62) 4-Bromofluorobenzene	12.620	95	238241	55.052	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	110.100%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	632	Below Cal	#	70
11) Tert butyl alcohol	5.173	59	9852	19.907	ug/l #	74
16) Acetone	4.156	43	9551	17.286	ug/l #	76
20) Methylene Chloride	4.962	84	19004	1.554	ug/l #	81
25) 2-Butanone	7.203	43	2621	3.242	ug/l #	85
31) Cyclohexane	7.973	56	6313	1.132	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	24267	4.823	ug/l #	51
38) Carbon Tetrachloride	7.973	117	30156	5.913	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	120564	47.938	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	120564	115.085	ug/l #	7
95) Naphthalene	15.379	128	65	3.549	ug/l #	70

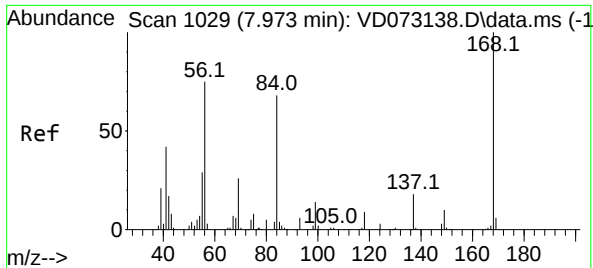
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 28 09:45:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration

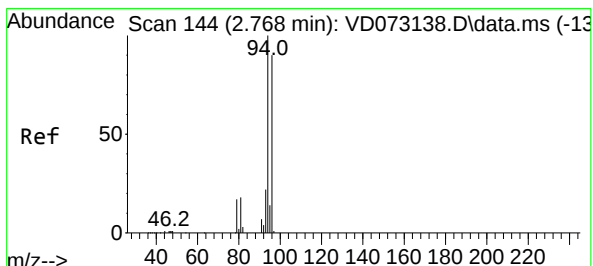
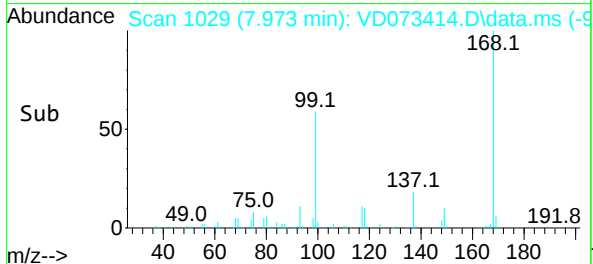
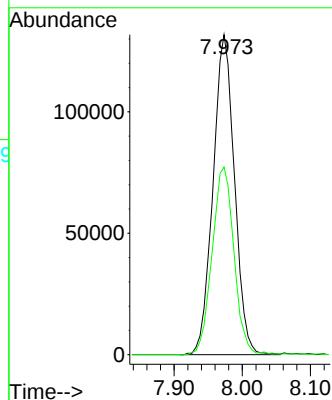
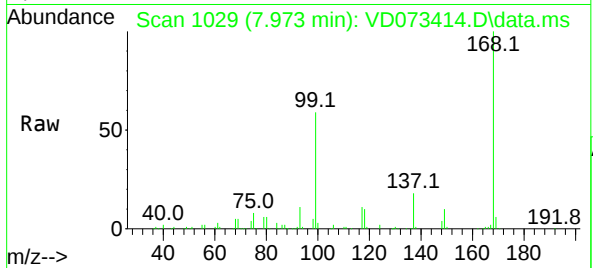




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073414.D
Acq: 27 May 2022 16:38

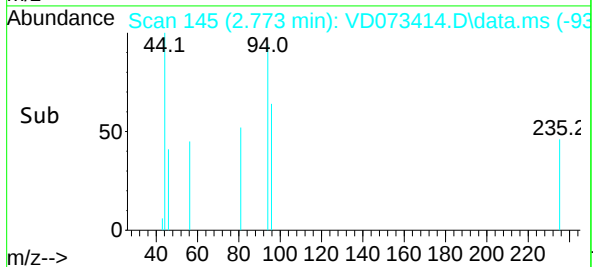
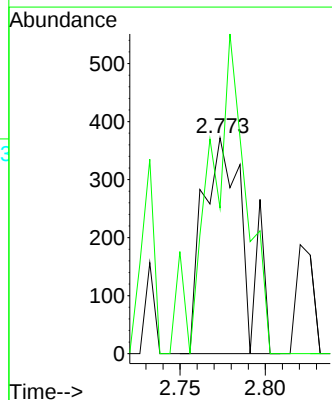
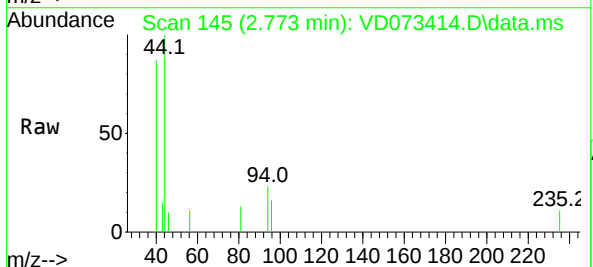
Instrument :
MSVOA_D
ClientSampleId :

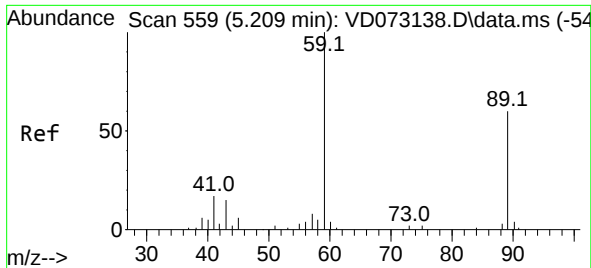
Tgt Ion:168 Resp: 288641
Ion Ratio Lower Upper
168 100
99 58.6 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073414.D
Acq: 27 May 2022 16:38

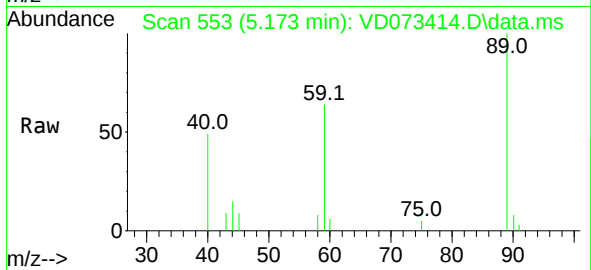
Tgt Ion: 94 Resp: 632
Ion Ratio Lower Upper
94 100
96 67.5 77.6 116.4#



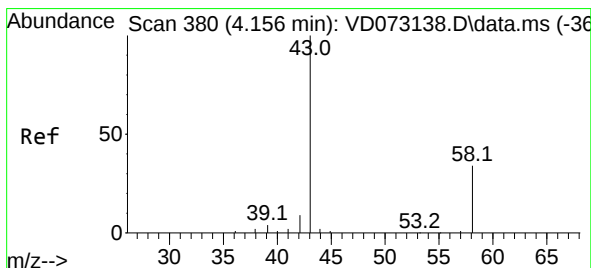
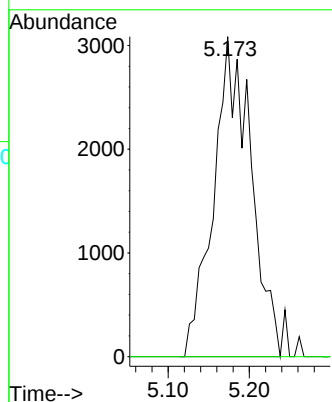


#11
Tert butyl alcohol
Concen: 19.907 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073414.D
Acq: 27 May 2022 16:38

Instrument :
MSVOA_D
ClientSampleId :

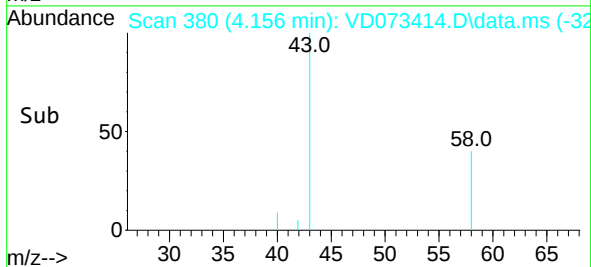
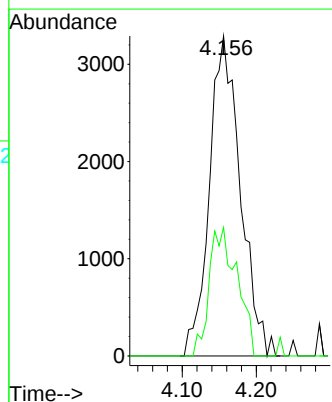
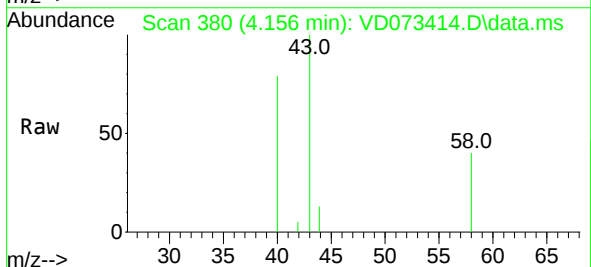


Tgt Ion: 59 Resp: 9852
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 17.286 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073414.D
Acq: 27 May 2022 16:38

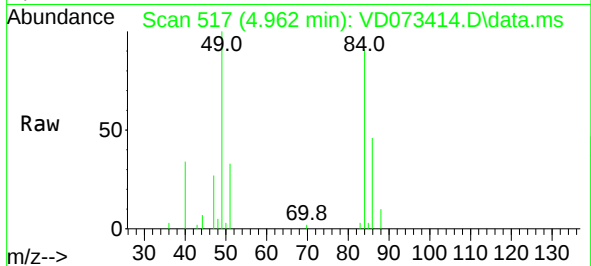
Tgt Ion: 43 Resp: 9551
Ion Ratio Lower Upper
43 100
58 40.2 22.1 33.1#



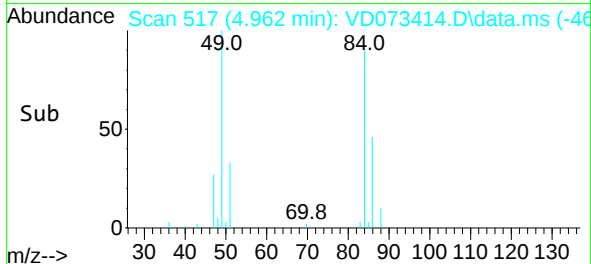
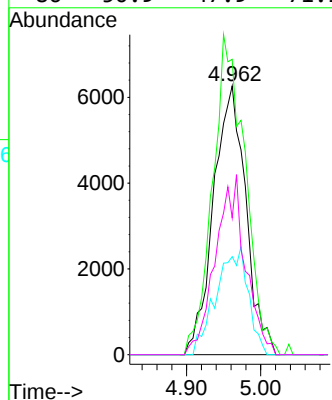


#20
Methylene Chloride
Concen: 1.554 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073414.D
Acq: 27 May 2022 16:38

Instrument :
MSVOA_D
ClientSampleId :

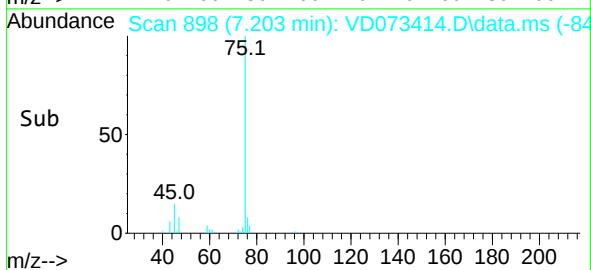
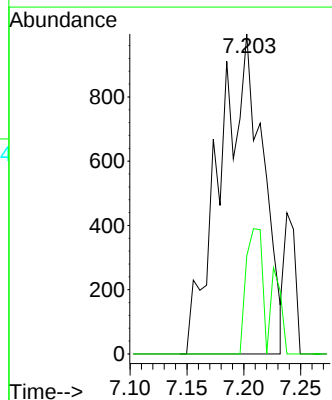
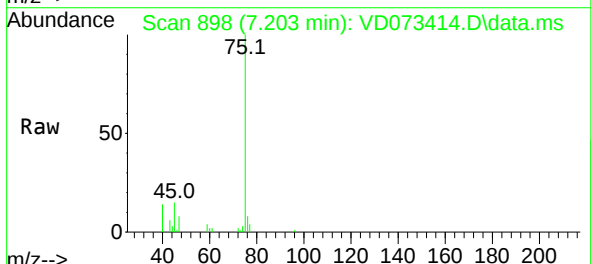


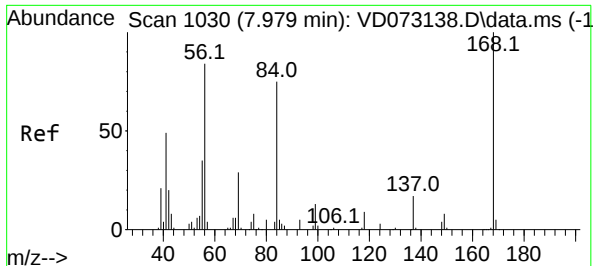
Tgt Ion: 84 Resp: 19004
Ion Ratio Lower Upper
84 100
49 109.9 112.8 169.2#
51 36.5 32.6 48.8
86 50.9 47.9 71.9



#25
2-Butanone
Concen: 3.242 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.005 min
Lab File: VD073414.D
Acq: 27 May 2022 16:38

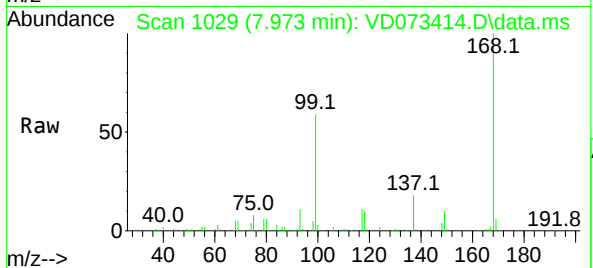
Tgt Ion: 43 Resp: 2621
Ion Ratio Lower Upper
43 100
72 30.6 18.6 27.8#



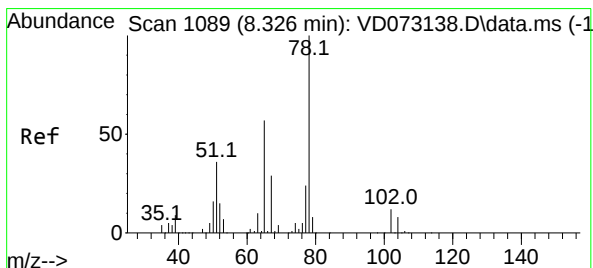
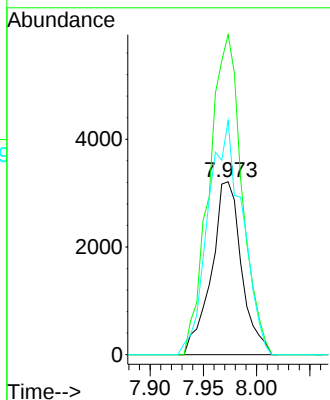
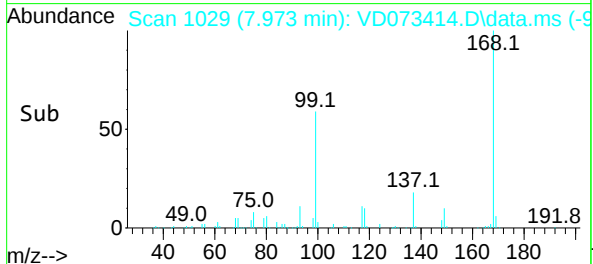


#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073414.D
Acq: 27 May 2022 16:38

Instrument :
MSVOA_D
ClientSampleId :

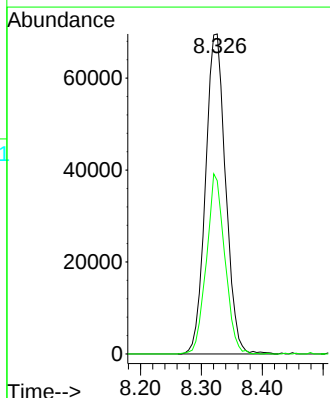
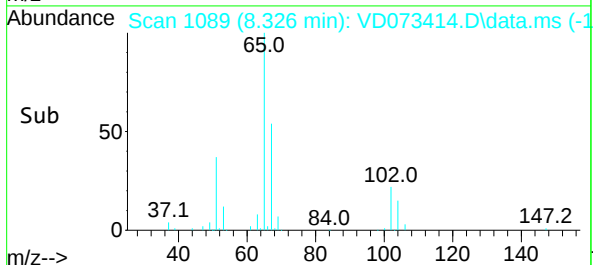
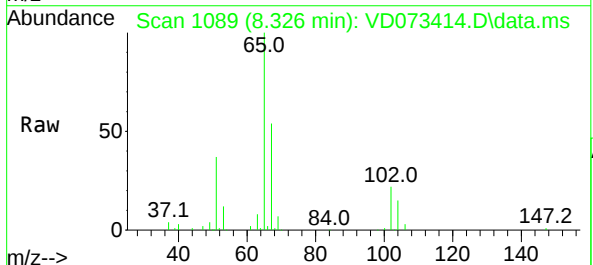


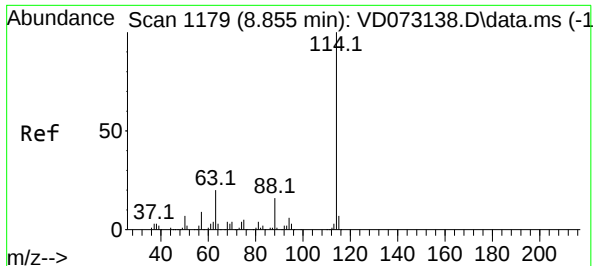
Tgt Ion: 56 Resp: 6313
Ion Ratio Lower Upper
56 100
69 185.1 25.4 38.2#
84 142.4 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 49.891 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073414.D
Acq: 27 May 2022 16:38

Tgt Ion: 65 Resp: 159148
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073414.D

Acq: 27 May 2022 16:38

Instrument :

MSVOA_D

ClientSampleId :

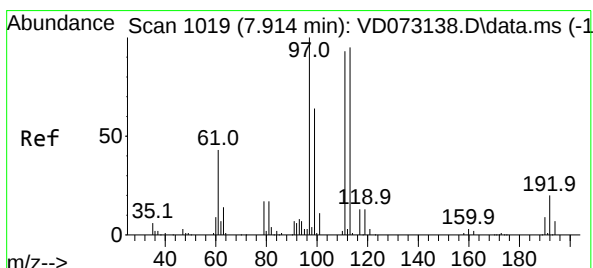
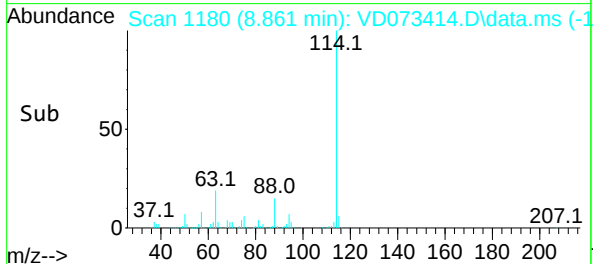
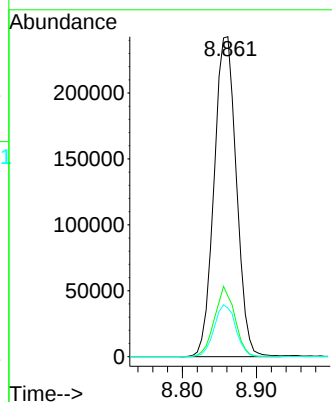
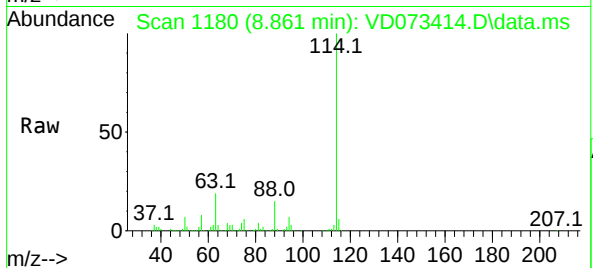
Tgt Ion:114 Resp: 506955

Ion Ratio Lower Upper

114 100

63 18.9 0.0 46.6

88 15.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.245 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073414.D

Acq: 27 May 2022 16:38

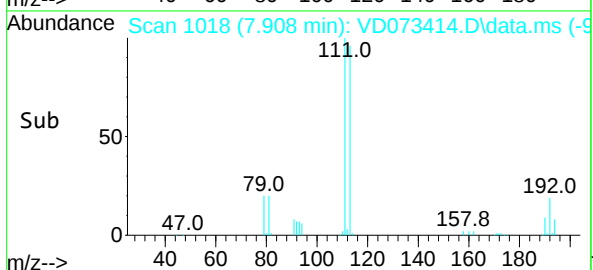
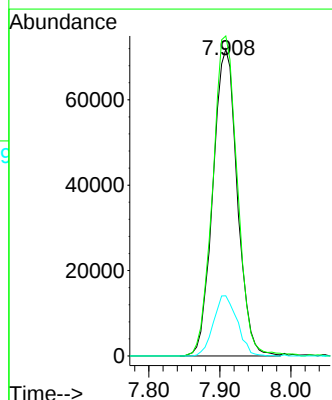
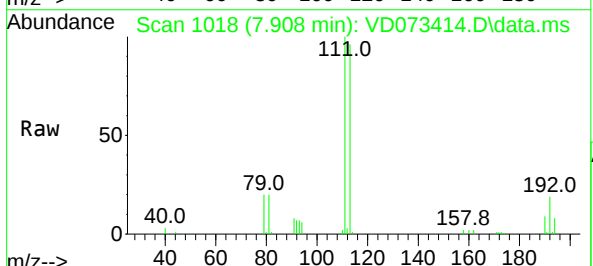
Tgt Ion:113 Resp: 171425

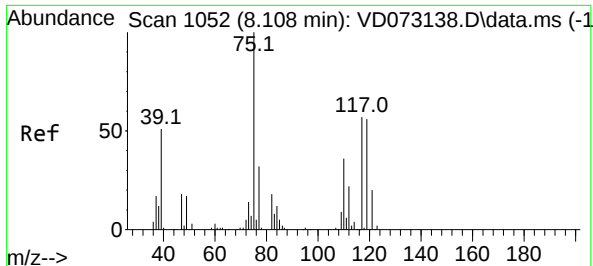
Ion Ratio Lower Upper

113 100

111 105.7 83.8 125.6

192 19.2 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.823 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

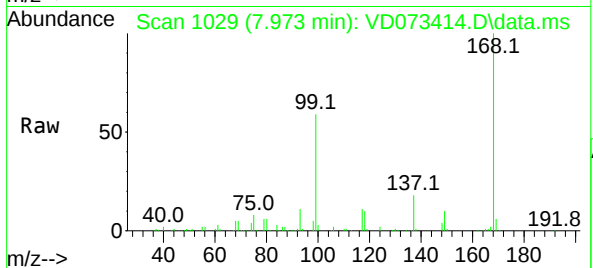
Lab File: VD073414.D

Acq: 27 May 2022 16:38

Instrument :

MSVOA_D

ClientSampleId :



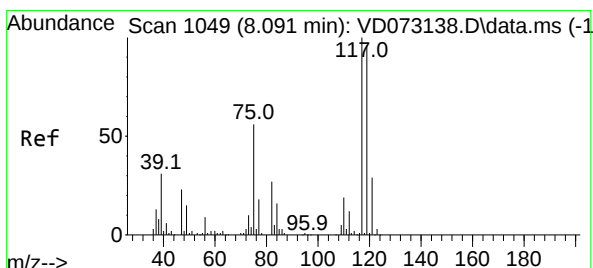
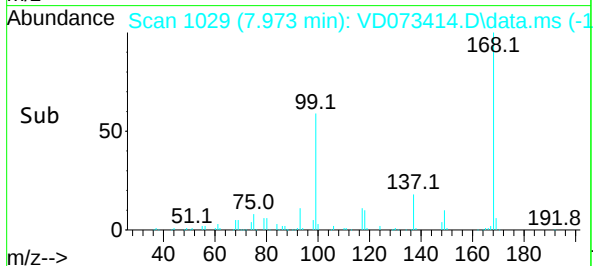
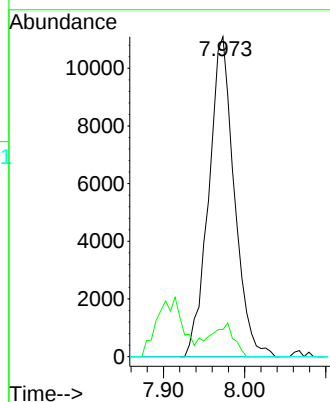
Tgt Ion: 75 Resp: 24267

Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.913 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073414.D

Acq: 27 May 2022 16:38

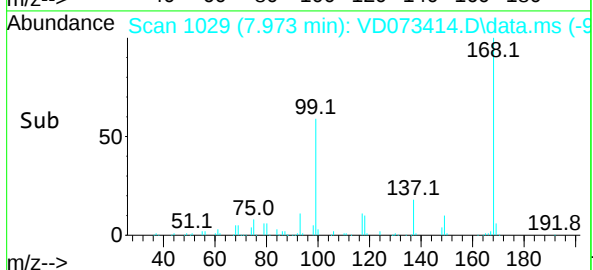
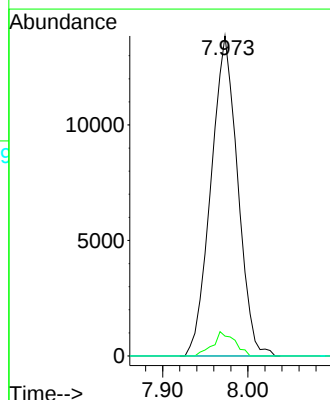
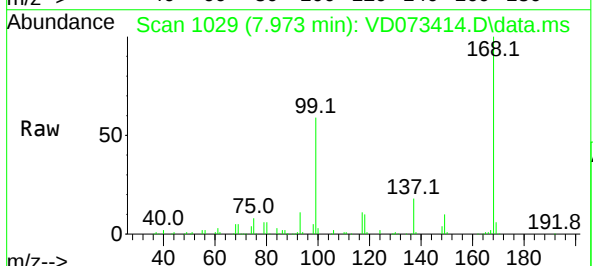
Tgt Ion: 117 Resp: 30156

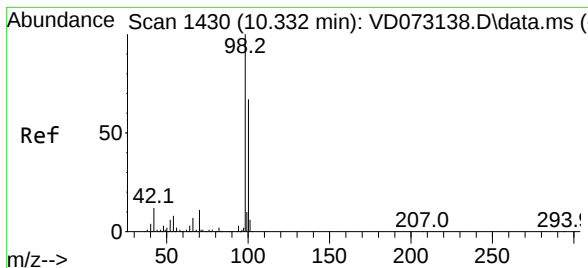
Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.6#

121 0.0 24.5 36.7#

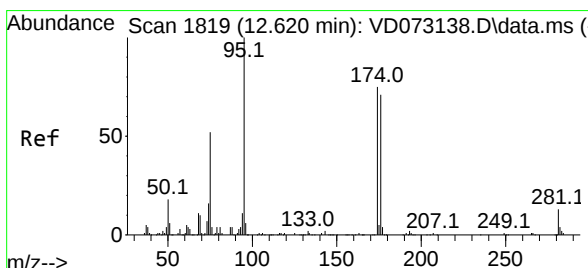
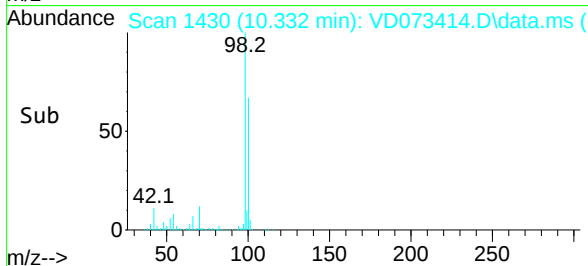
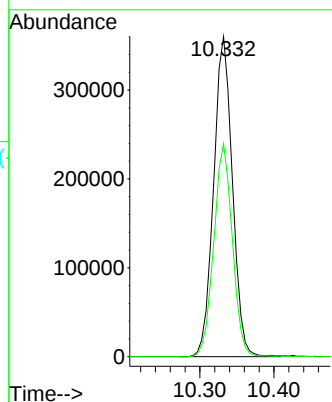
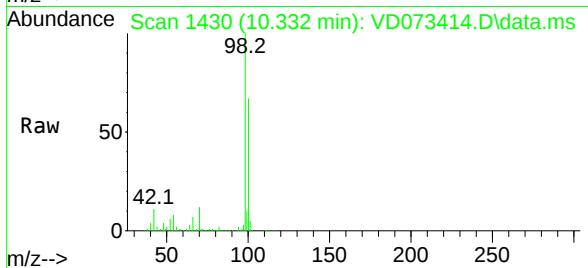




#50
Toluene-d8
Concen: 51.437 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073414.D
Acq: 27 May 2022 16:38

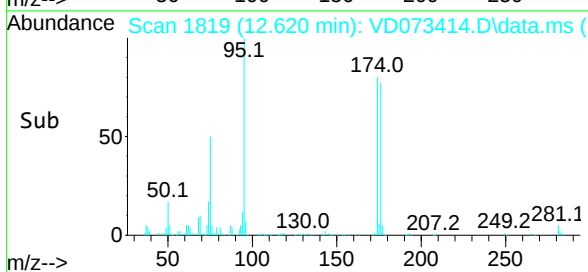
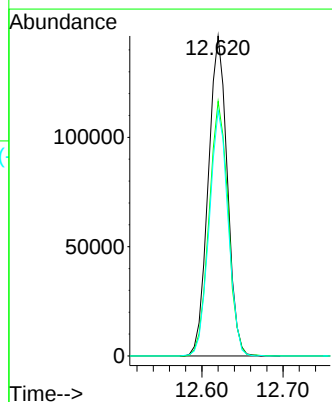
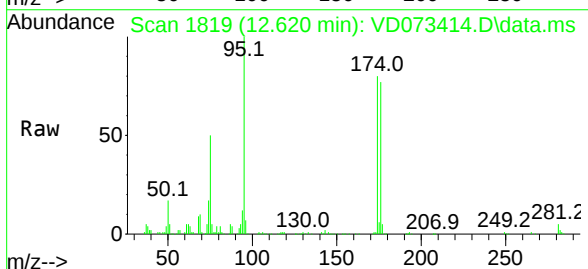
Instrument :
MSVOA_D
ClientSampleId :

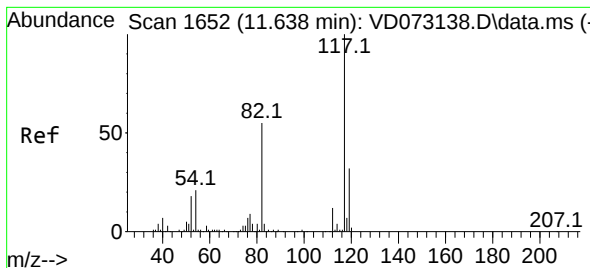
Tgt Ion: 98 Resp: 634282
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 55.052 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073414.D
Acq: 27 May 2022 16:38

Tgt Ion: 95 Resp: 238241
Ion Ratio Lower Upper
95 100
174 79.6 0.0 152.8
176 75.9 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. -0.006 min

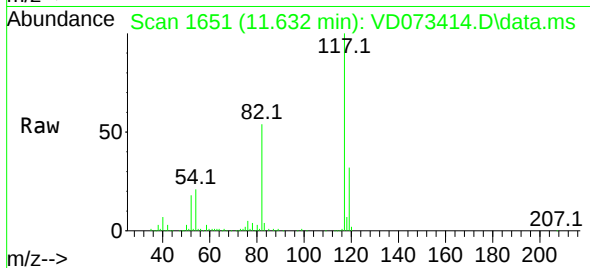
Lab File: VD073414.D

Acq: 27 May 2022 16:38

Instrument :

MSVOA_D

ClientSampleId :



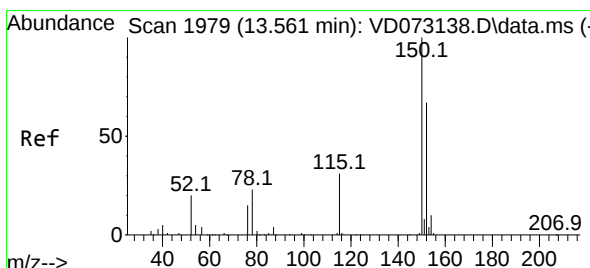
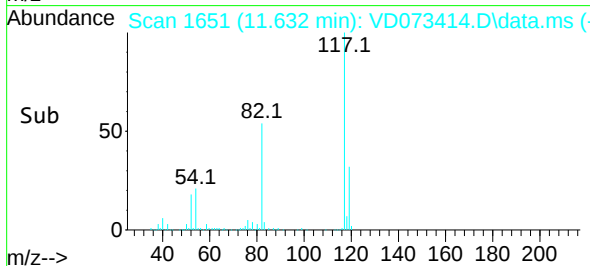
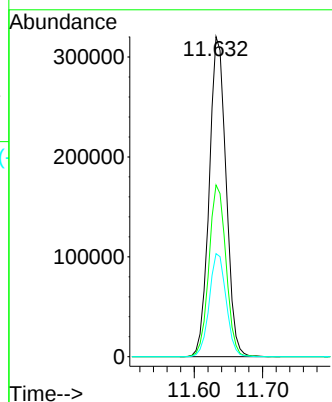
Tgt Ion:117 Resp: 551002

Ion Ratio Lower Upper

117 100

82 53.7 45.3 67.9

119 32.2 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: VD073414.D

Acq: 27 May 2022 16:38

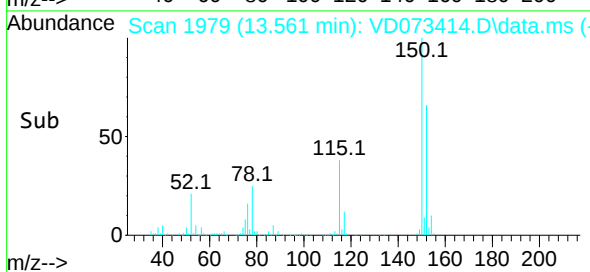
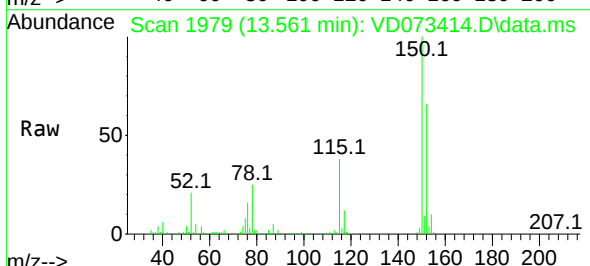
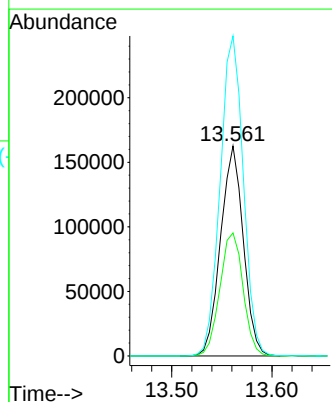
Tgt Ion:152 Resp: 256324

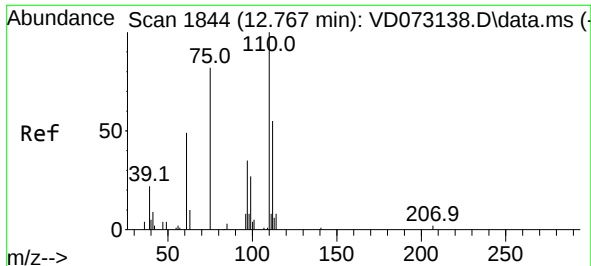
Ion Ratio Lower Upper

152 100

115 59.7 31.3 93.8

150 155.1 0.0 348.6

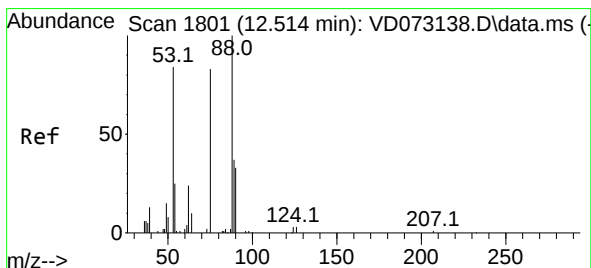
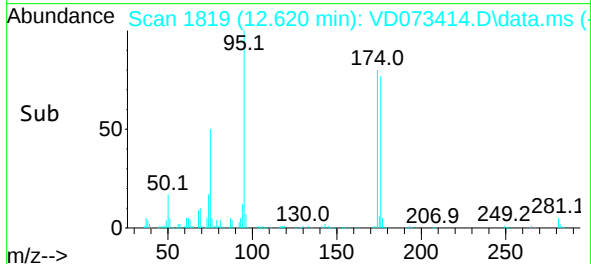
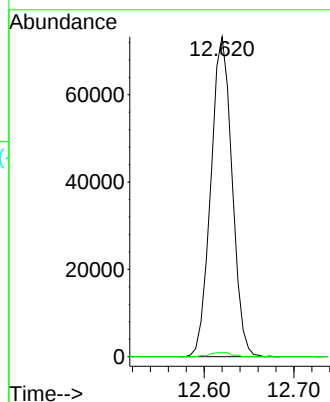
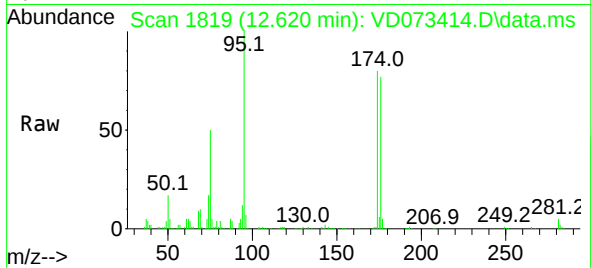




#76
1,2,3-Trichloropropane
Concen: 47.938 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073414.D
Acq: 27 May 2022 16:38

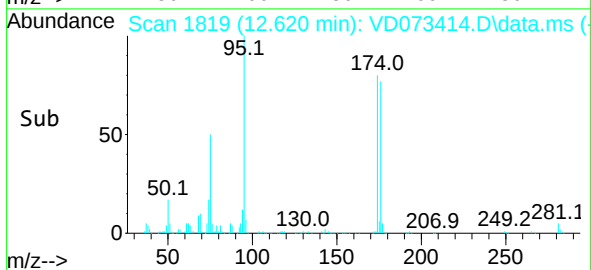
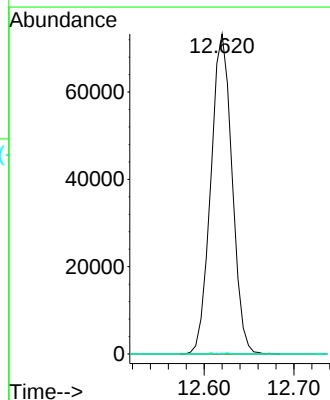
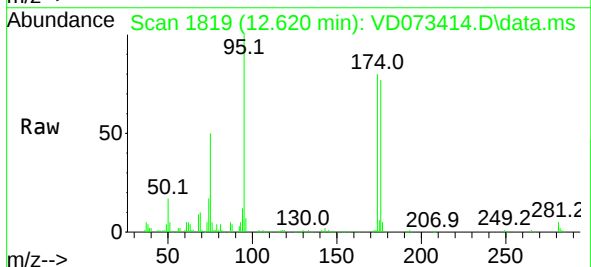
Instrument :
MSVOA_D
ClientSampleId :

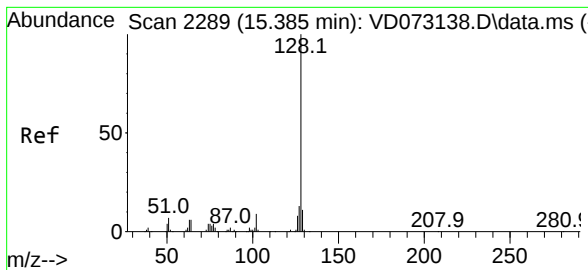
Tgt Ion: 75 Resp: 120564
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.085 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073414.D
Acq: 27 May 2022 16:38

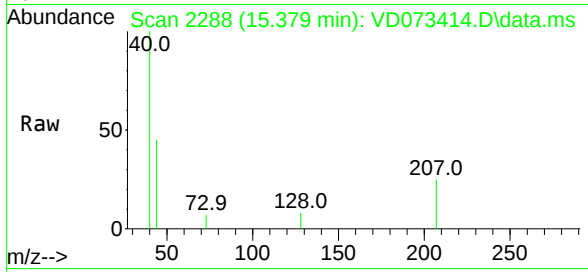
Tgt Ion: 75 Resp: 120564
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#





#95
 Naphthalene
 Concen: 3.549 ug/l
 RT: 15.379 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD073414.D
 Acq: 27 May 2022 16:38

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	128	Resp:	65
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

