

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073194.D
 Acq On : 20 May 2022 20:20
 Operator : VA/SY
 Sample : N2938-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

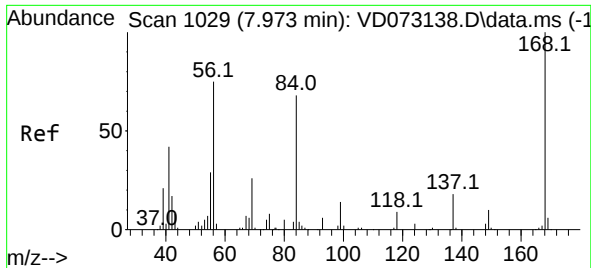
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-051822

Quant Time: May 21 00:16:57 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	4978	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	7592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	7631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	3413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	4215	76.617	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 153.240%		
35) Dibromofluoromethane	7.914	113	3938	78.607	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 157.220%#		
50) Toluene-d8	10.332	98	9767	52.889	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 105.780%		
62) 4-Bromofluorobenzene	12.620	95	3460	53.388	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 106.780%		
Target Compounds						Qvalue
3) Chloromethane	2.209	50	218	3.876	ug/l	# 4
4) Vinyl Chloride	2.338	62	132	2.566	ug/l	# 43
5) Bromomethane	2.815	94	59	Below Cal	#	1
16) Acetone	4.150	43	178	18.680	ug/l	# 47
36) 1,1-Dichloropropene	7.967	75	200	2.654	ug/l	# 43
38) Carbon Tetrachloride	7.973	117	573	7.502	ug/l	# 13
51) 4-Methyl-2-Pentanone	10.114	43	66	2.310	ug/l	# 39
55) 1,1,2-Trichloroethane	10.661	97	71	1.748	ug/l	# 15
56) Ethyl methacrylate	10.908	69	54	1.196	ug/l	# 18
59) 2-Hexanone	10.938	43	61	3.238	ug/l	# 27
76) 1,2,3-Trichloropropane	12.620	75	1785	53.304	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	1785	127.966	ug/l	# 7
95) Naphthalene	15.385	128	54	3.991	ug/l	# 70

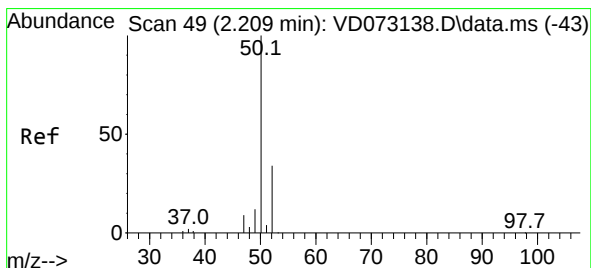
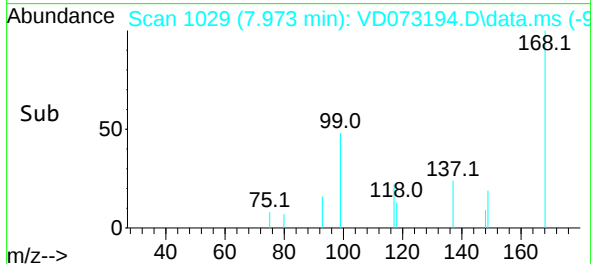
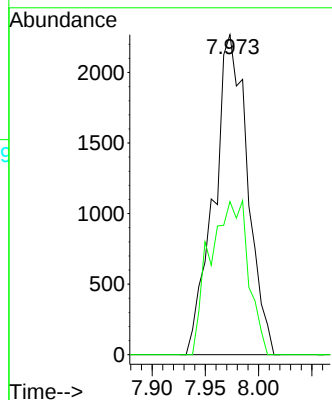
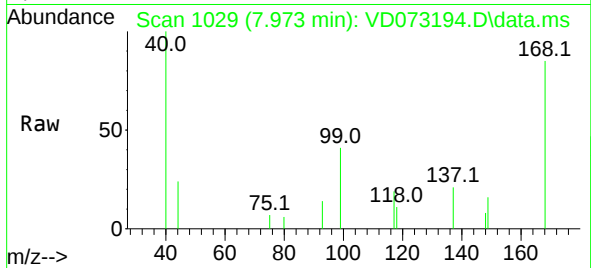
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073194.D
Acq: 20 May 2022 20:20

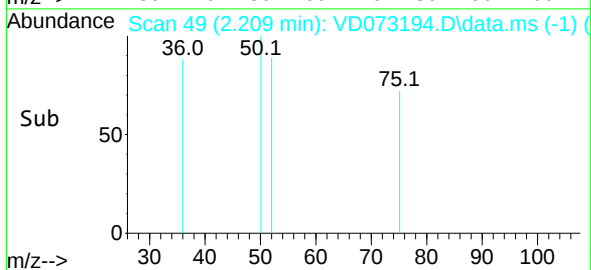
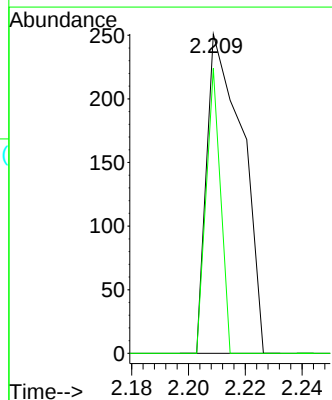
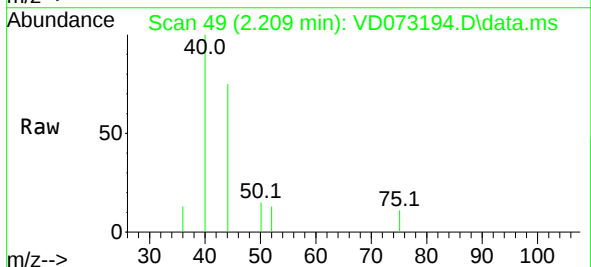
Instrument :
MSVOA_D
ClientSampleId :
TR-05-051822

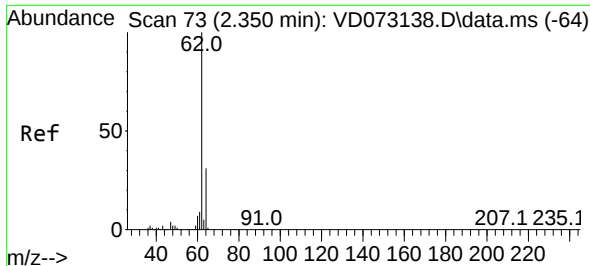
Tgt Ion:168 Resp: 4978
Ion Ratio Lower Upper
168 100
99 47.8 49.8 74.6#



#3
Chloromethane
Concen: 3.876 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073194.D
Acq: 20 May 2022 20:20

Tgt Ion: 50 Resp: 218
Ion Ratio Lower Upper
50 100
52 89.2 27.4 41.0#

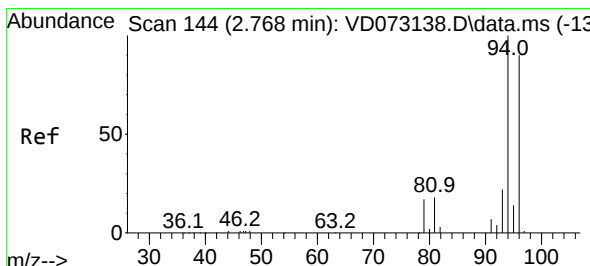
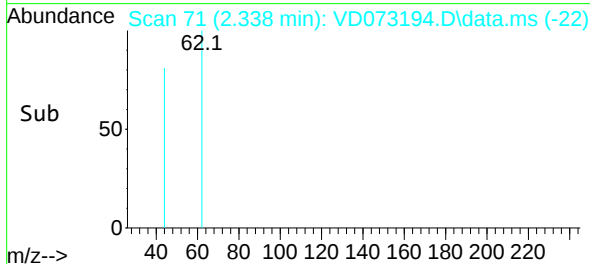
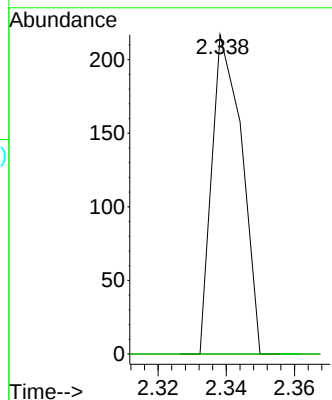
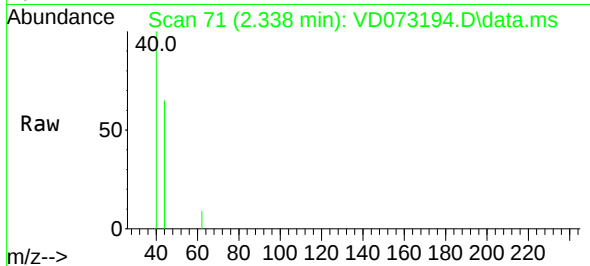




#4
 Vinyl Chloride
 Concen: 2.566 ug/l
 RT: 2.338 min Scan# 71
 Delta R.T. -0.012 min
 Lab File: VD073194.D
 Acq: 20 May 2022 20:20

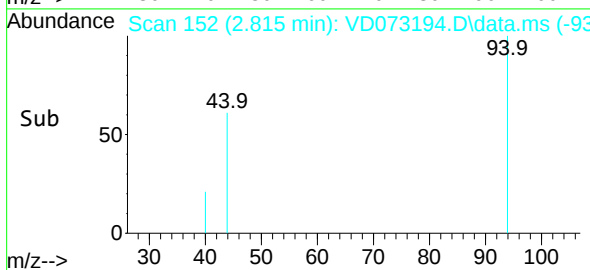
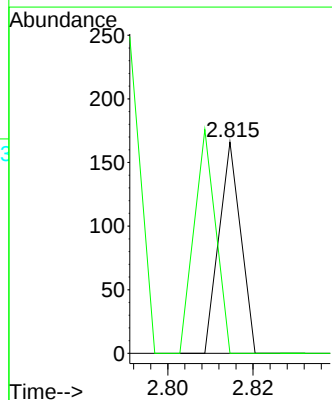
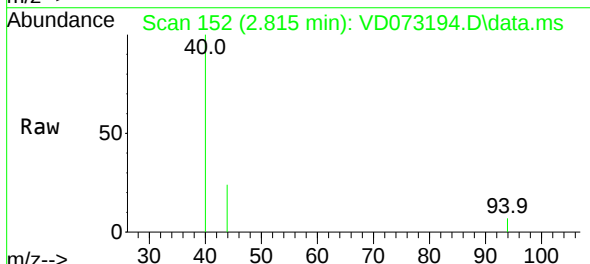
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-051822

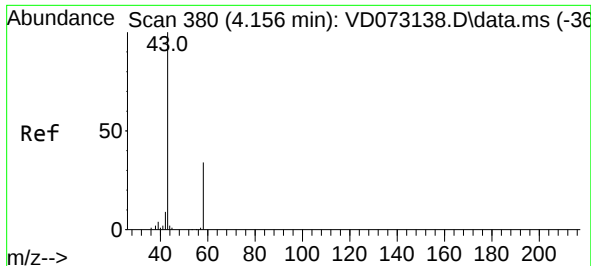
Tgt Ion: 62 Resp: 132
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.0#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.815 min Scan# 152
 Delta R.T. 0.047 min
 Lab File: VD073194.D
 Acq: 20 May 2022 20:20

Tgt Ion: 94 Resp: 59
 Ion Ratio Lower Upper
 94 100
 96 0.0 77.6 116.4#

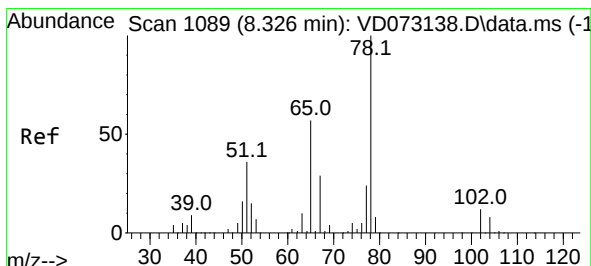
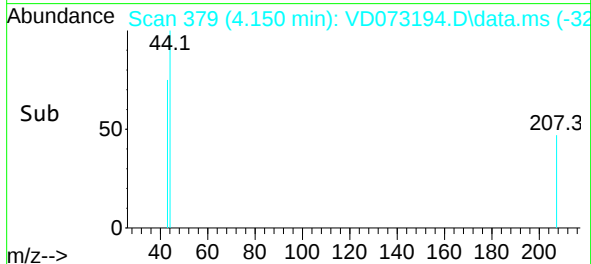
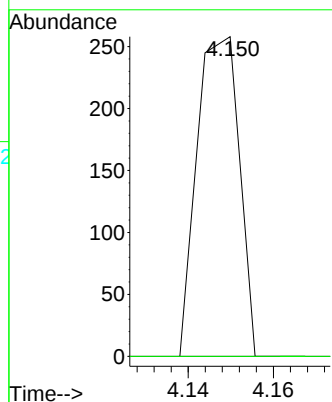
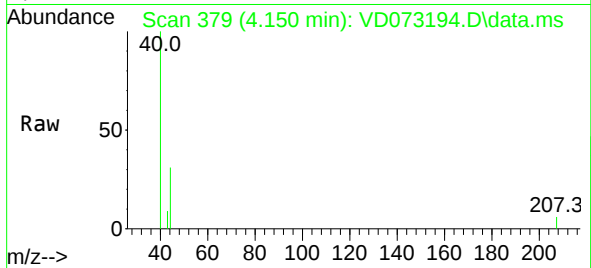




#16
Acetone
Concen: 18.680 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD073194.D
Acq: 20 May 2022 20:20

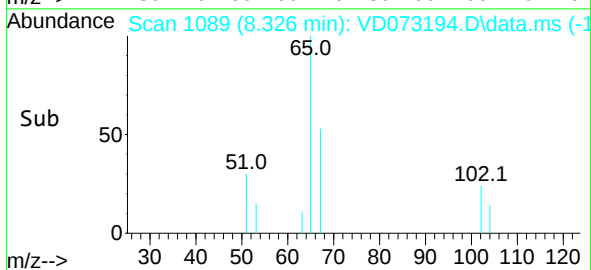
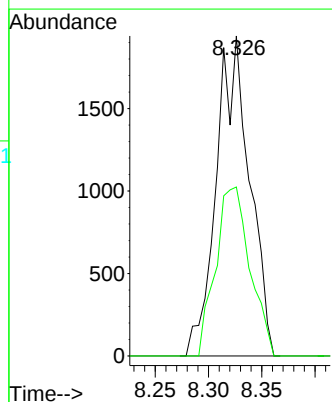
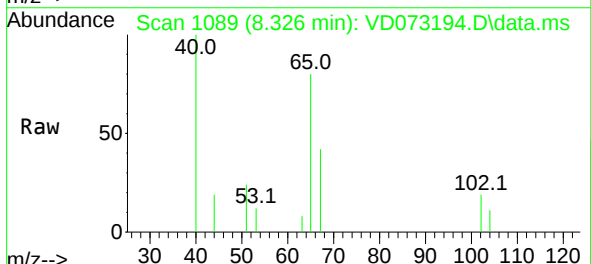
Instrument :
MSVOA_D
ClientSampleId :
TR-05-051822

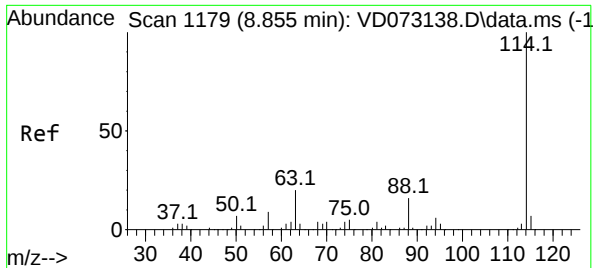
Tgt Ion: 43 Resp: 178
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#33
1,2-Dichloroethane-d4
Concen: 76.617 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073194.D
Acq: 20 May 2022 20:20

Tgt Ion: 65 Resp: 4215
Ion Ratio Lower Upper
65 100
67 54.4 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073194.D

Acq: 20 May 2022 20:20

Instrument :

MSVOA_D

ClientSampleId :

TR-05-051822

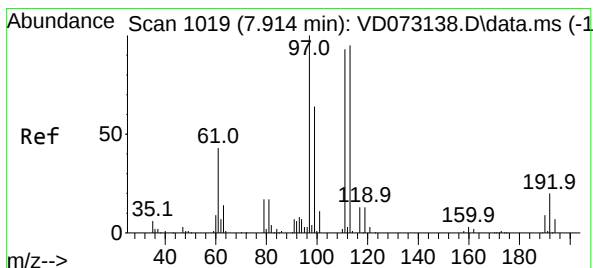
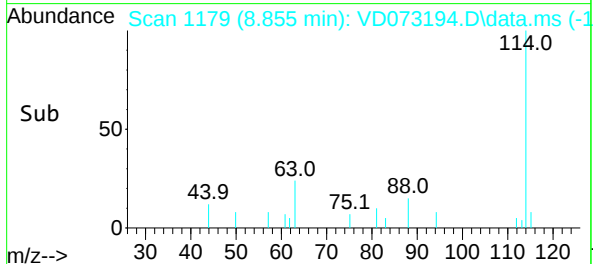
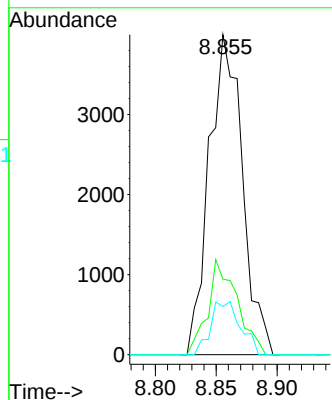
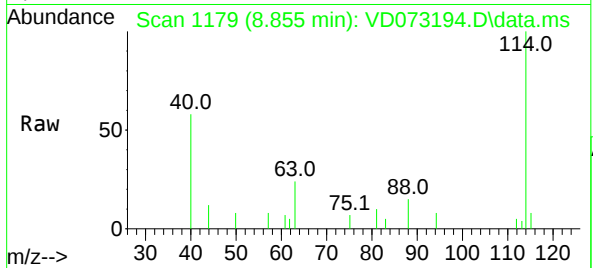
Tgt Ion:114 Resp: 7592

Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.6

88 15.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 78.607 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD073194.D

Acq: 20 May 2022 20:20

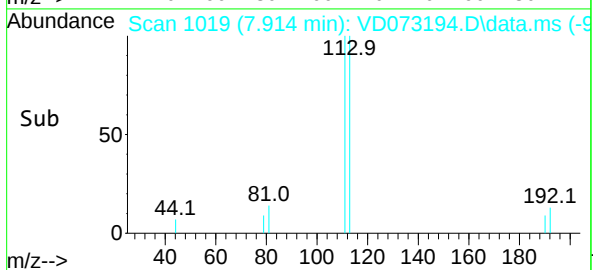
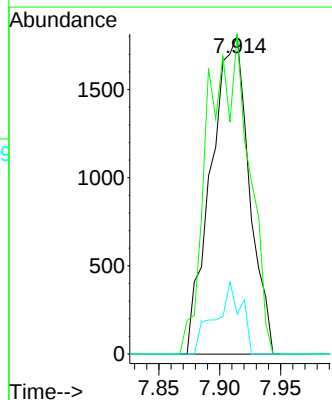
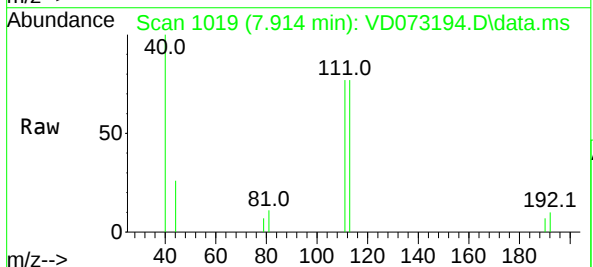
Tgt Ion:113 Resp: 3938

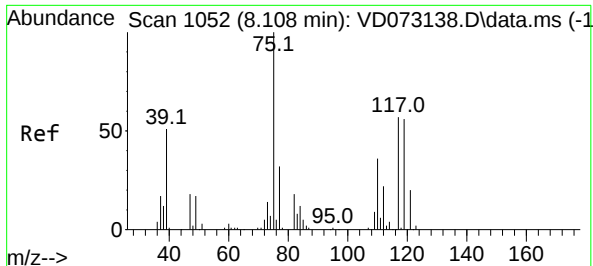
Ion Ratio Lower Upper

113 100

111 108.4 83.8 125.6

192 15.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 2.654 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073194.D

Acq: 20 May 2022 20:20

Instrument :

MSVOA_D

ClientSampleId :

TR-05-051822

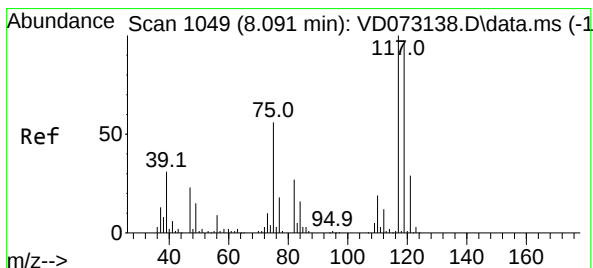
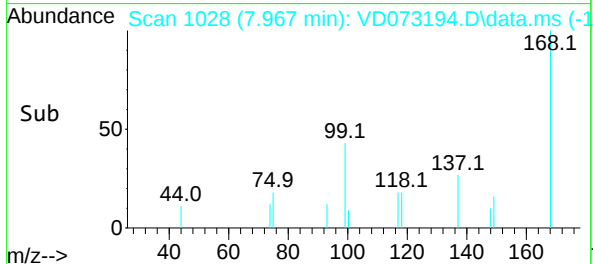
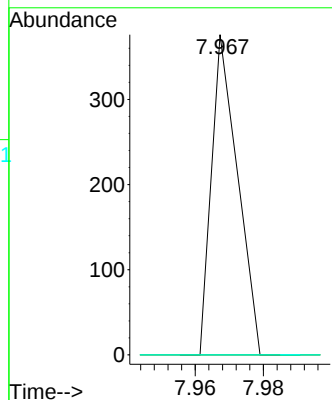
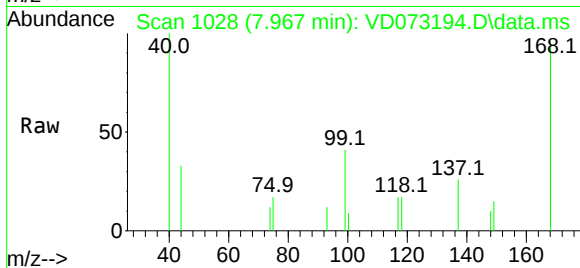
Tgt Ion: 75 Resp: 200

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 7.502 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073194.D

Acq: 20 May 2022 20:20

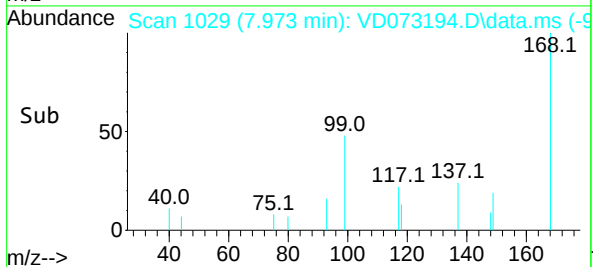
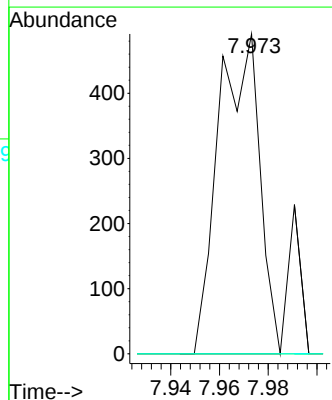
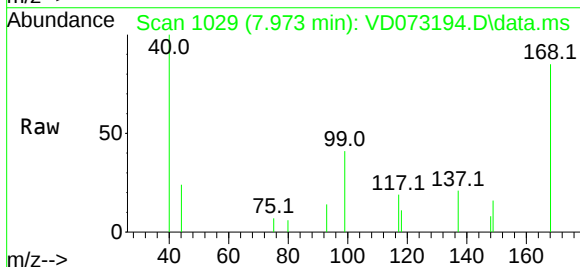
Tgt Ion: 117 Resp: 573

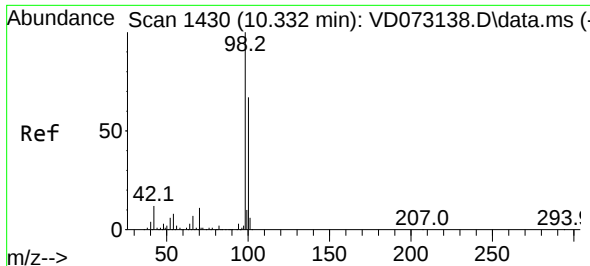
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#

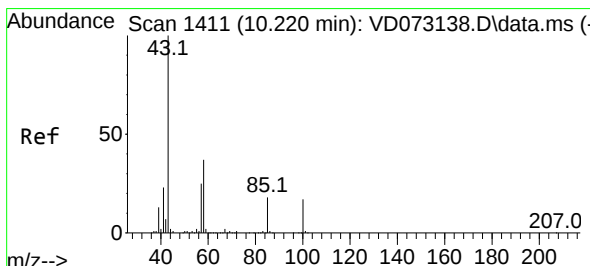
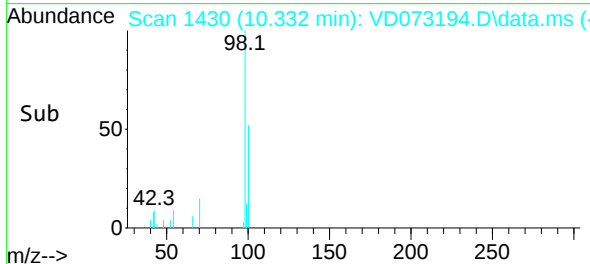
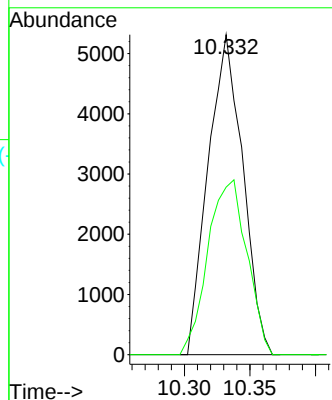
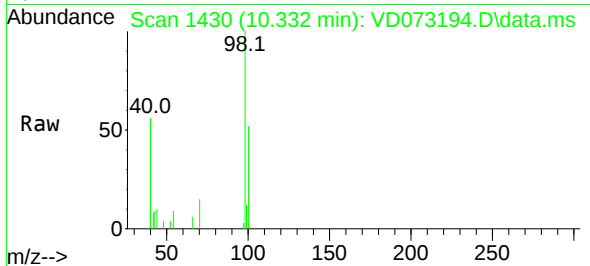




#50
Toluene-d8
Concen: 52.889 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073194.D
Acq: 20 May 2022 20:20

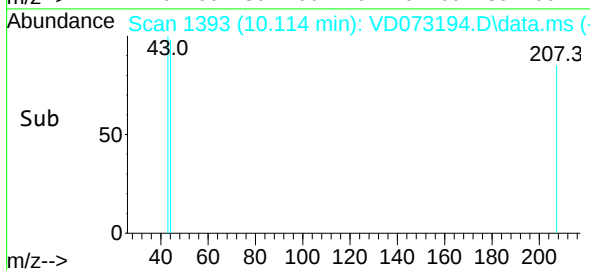
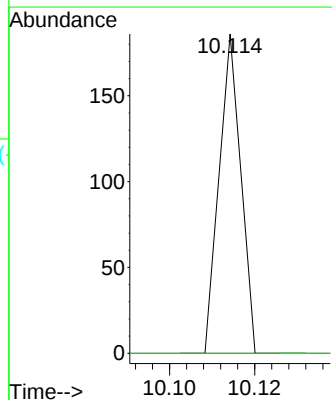
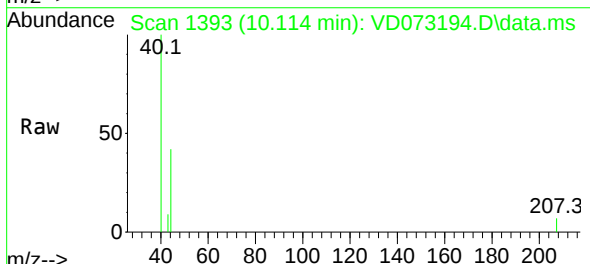
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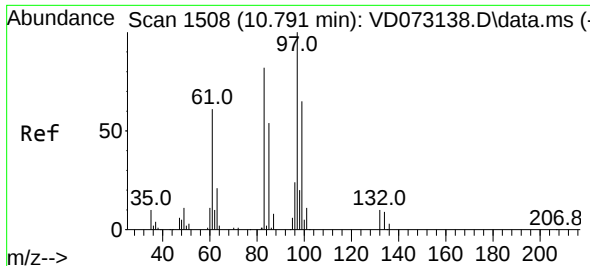
Tgt Ion: 98 Resp: 9767
Ion Ratio Lower Upper
98 100
100 61.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 2.310 ug/l
RT: 10.114 min Scan# 1393
Delta R.T. -0.106 min
Lab File: VD073194.D
Acq: 20 May 2022 20:20

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

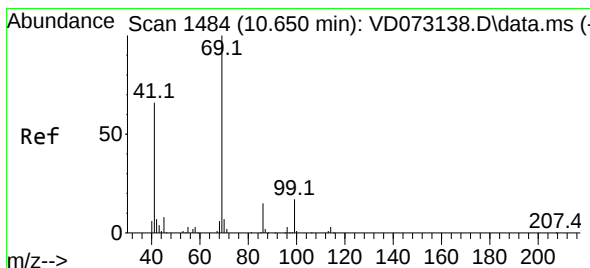
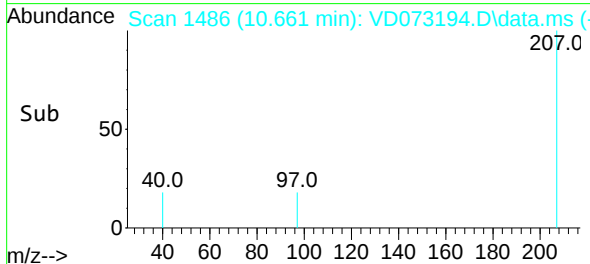
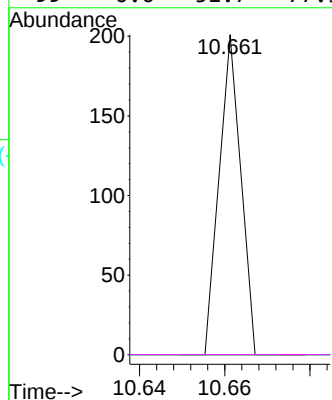
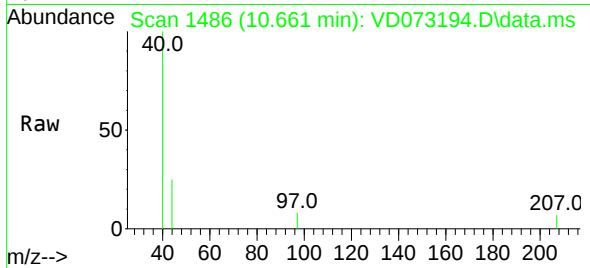




#55
1,1,2-Trichloroethane
Concen: 1.748 ug/l
RT: 10.661 min Scan# 14
Delta R.T. -0.130 min
Lab File: VD073194.D
Acq: 20 May 2022 20:20

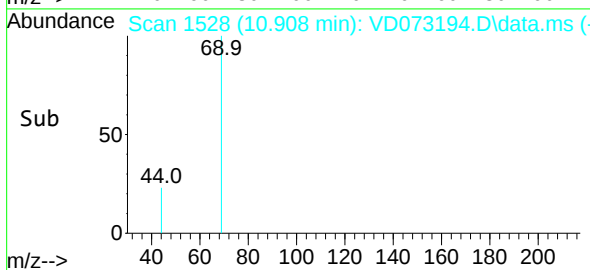
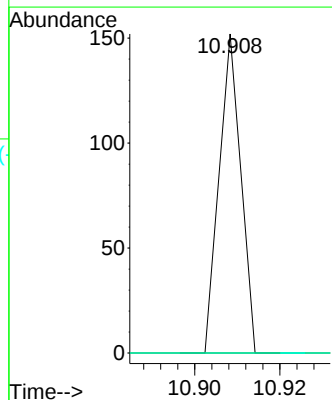
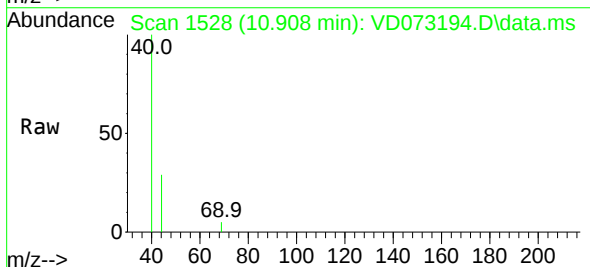
Instrument :
MSVOA_D
ClientSampleId :
TR-05-051822

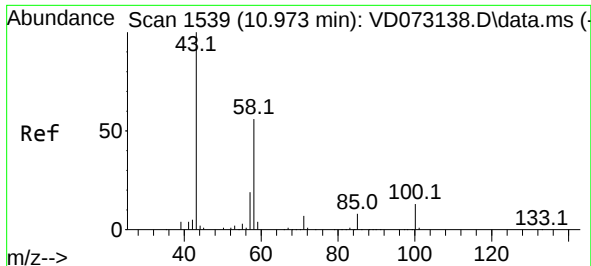
Tgt Ion: 97	Resp:	71
Ion	Ratio	Lower Upper
97	100	
83	0.0	69.0 103.4#
85	0.0	42.6 63.8#
99	0.0	51.7 77.5#



#56
Ethyl methacrylate
Concen: 1.196 ug/l
RT: 10.908 min Scan# 1528
Delta R.T. 0.258 min
Lab File: VD073194.D
Acq: 20 May 2022 20:20

Tgt Ion: 69	Resp:	54
Ion	Ratio	Lower Upper
69	100	
41	0.0	63.0 94.6#
39	0.0	33.8 50.8#

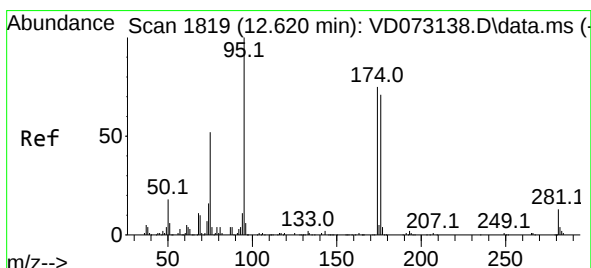
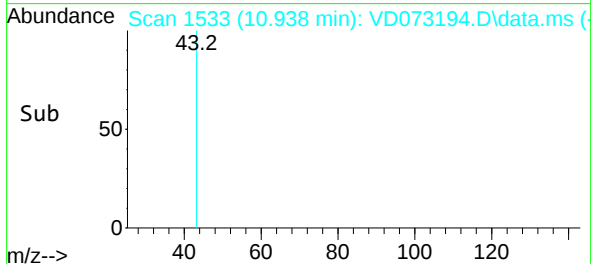
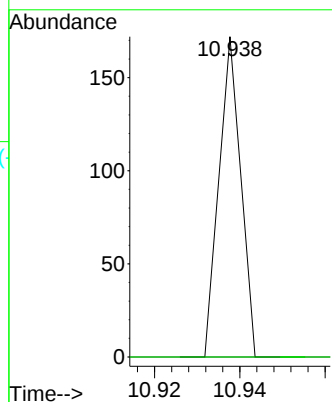
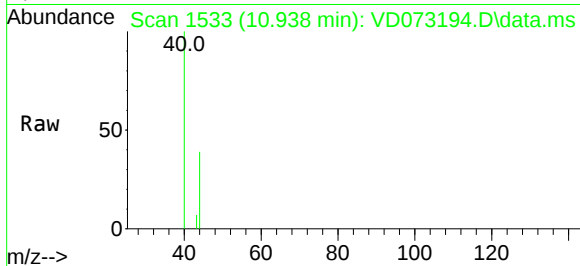




#59
2-Hexanone
Concen: 3.238 ug/l
RT: 10.938 min Scan# 11
Delta R.T. -0.035 min
Lab File: VD073194.D
Acq: 20 May 2022 20:20

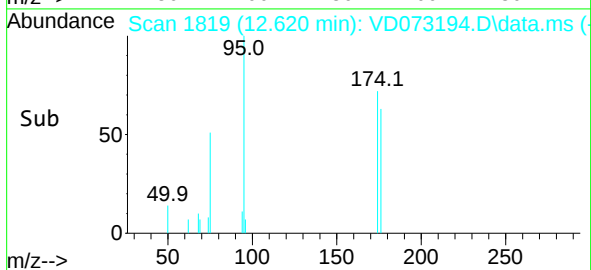
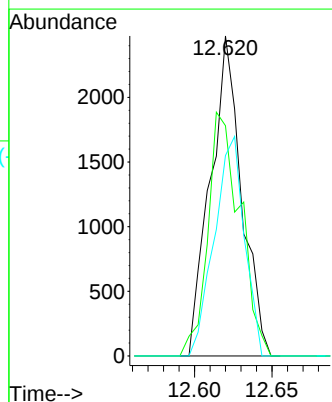
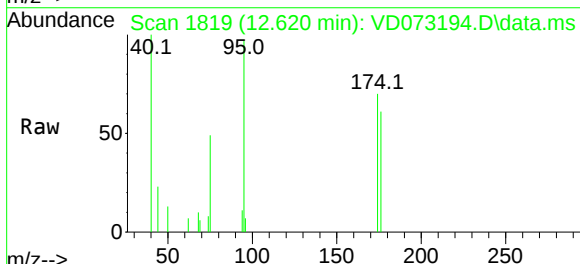
Instrument :
MSVOA_D
ClientSampleId :
TR-05-051822

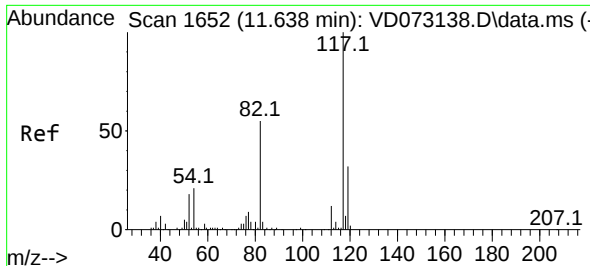
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 53.388 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073194.D
Acq: 20 May 2022 20:20

Tgt Ion: 95 Resp: 3460
Ion Ratio Lower Upper
95 100
174 79.0 0.0 152.8
176 66.0 0.0 145.4

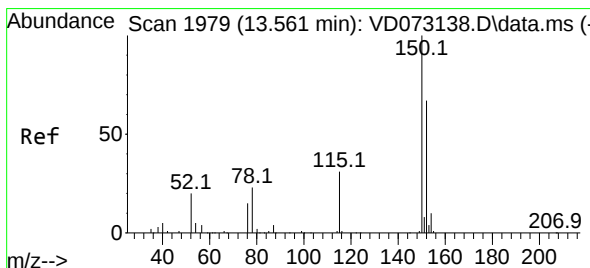
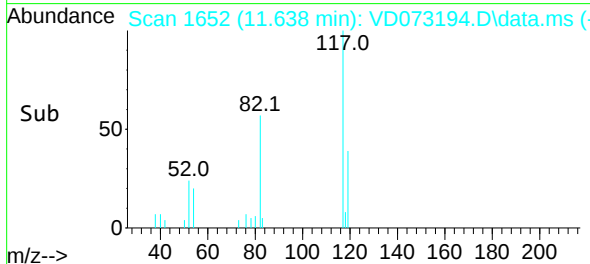
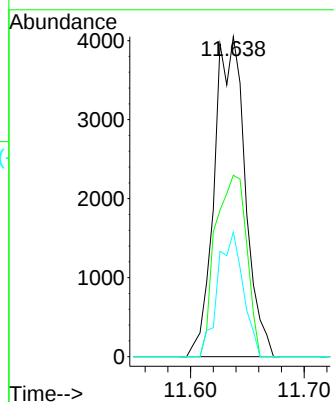
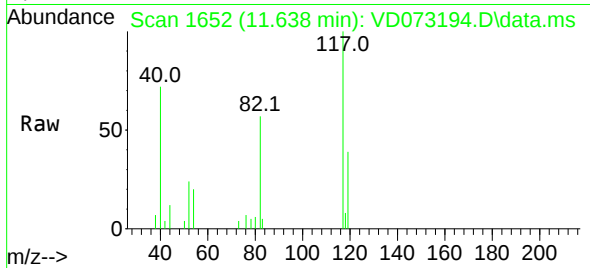




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073194.D
Acq: 20 May 2022 20:20

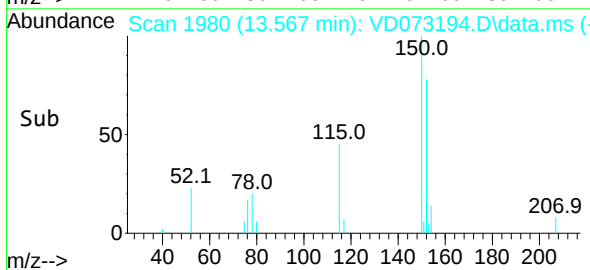
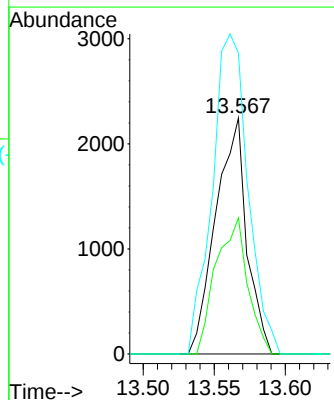
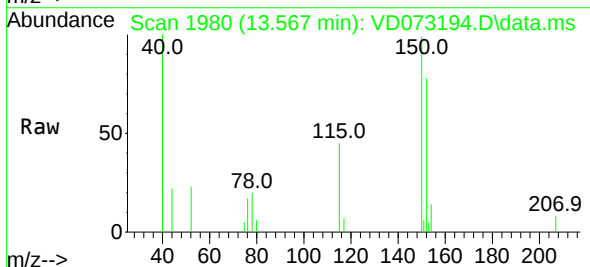
Instrument :
MSVOA_D
ClientSampleId :
TR-05-051822

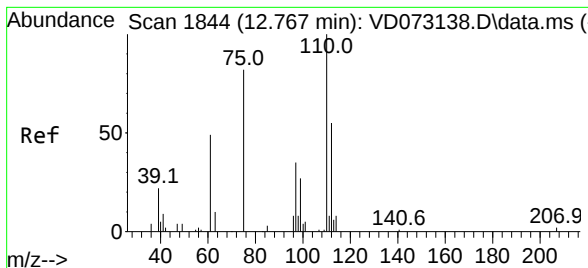
Tgt Ion:117	Resp:	7631
Ion	Ratio	Lower Upper
117	100	
82	56.7	45.3 67.9
119	39.0	26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD073194.D
Acq: 20 May 2022 20:20

Tgt Ion:152	Resp:	3413
Ion	Ratio	Lower Upper
152	100	
115	58.9	31.3 93.8
150	156.6	0.0 348.6

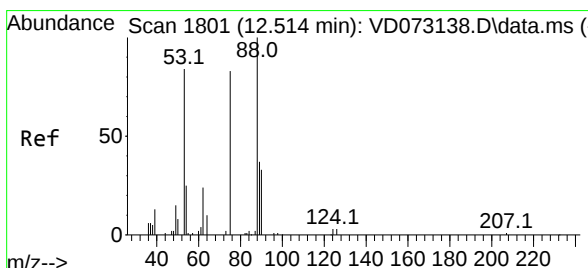
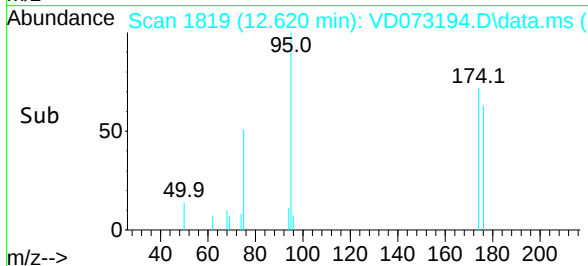
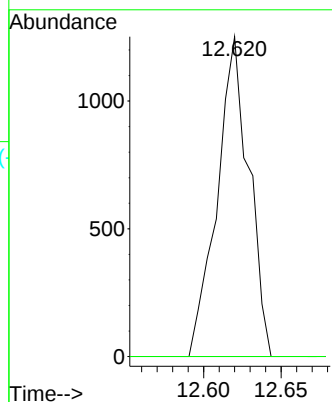
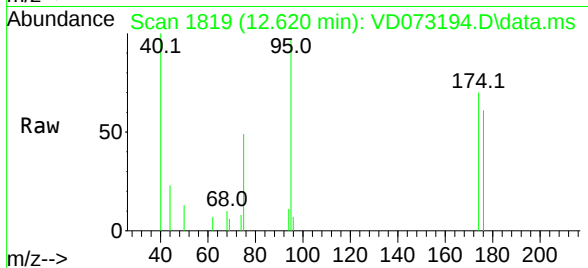




#76
1,2,3-Trichloropropane
Concen: 53.304 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073194.D
Acq: 20 May 2022 20:20

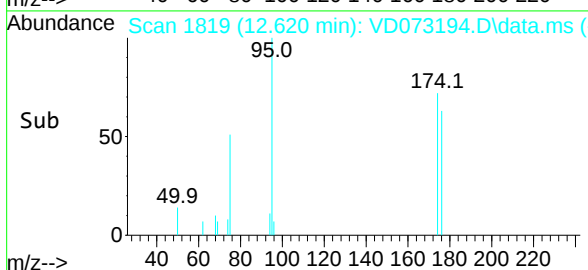
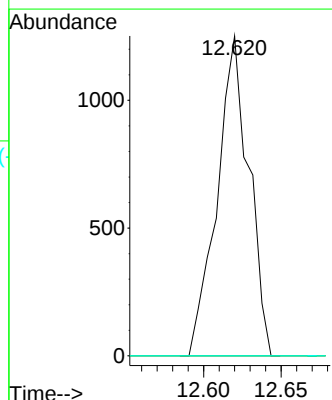
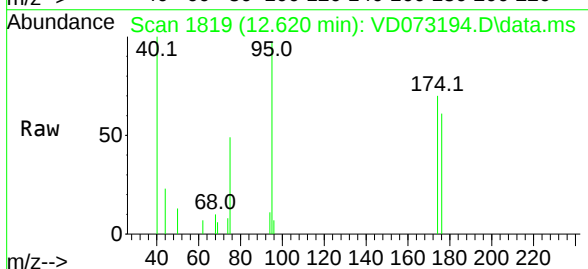
Instrument :
MSVOA_D
ClientSampleId :
TR-05-051822

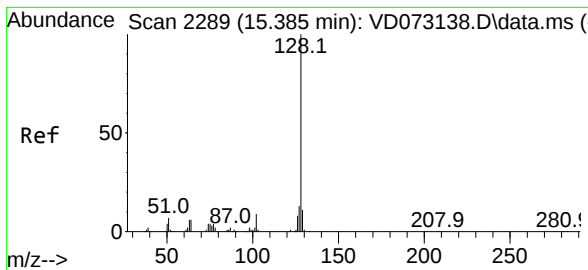
Tgt Ion: 75 Resp: 1785
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 127.966 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073194.D
Acq: 20 May 2022 20:20

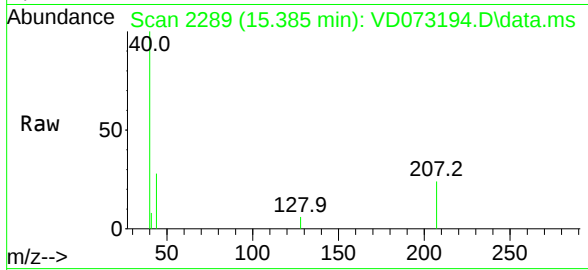
Tgt Ion: 75 Resp: 1785
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 3.991 ug/l
RT: 15.385 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD073194.D
Acq: 20 May 2022 20:20

Instrument :
MSVOA_D
ClientSampleId :
TR-05-051822



Tgt Ion:	128	Resp:	54
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

