

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072618.D
 Acq On : 19 Apr 2022 12:03
 Operator : VA/SY
 Sample : N2463-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-041822

Quant Time: Apr 19 16:11:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

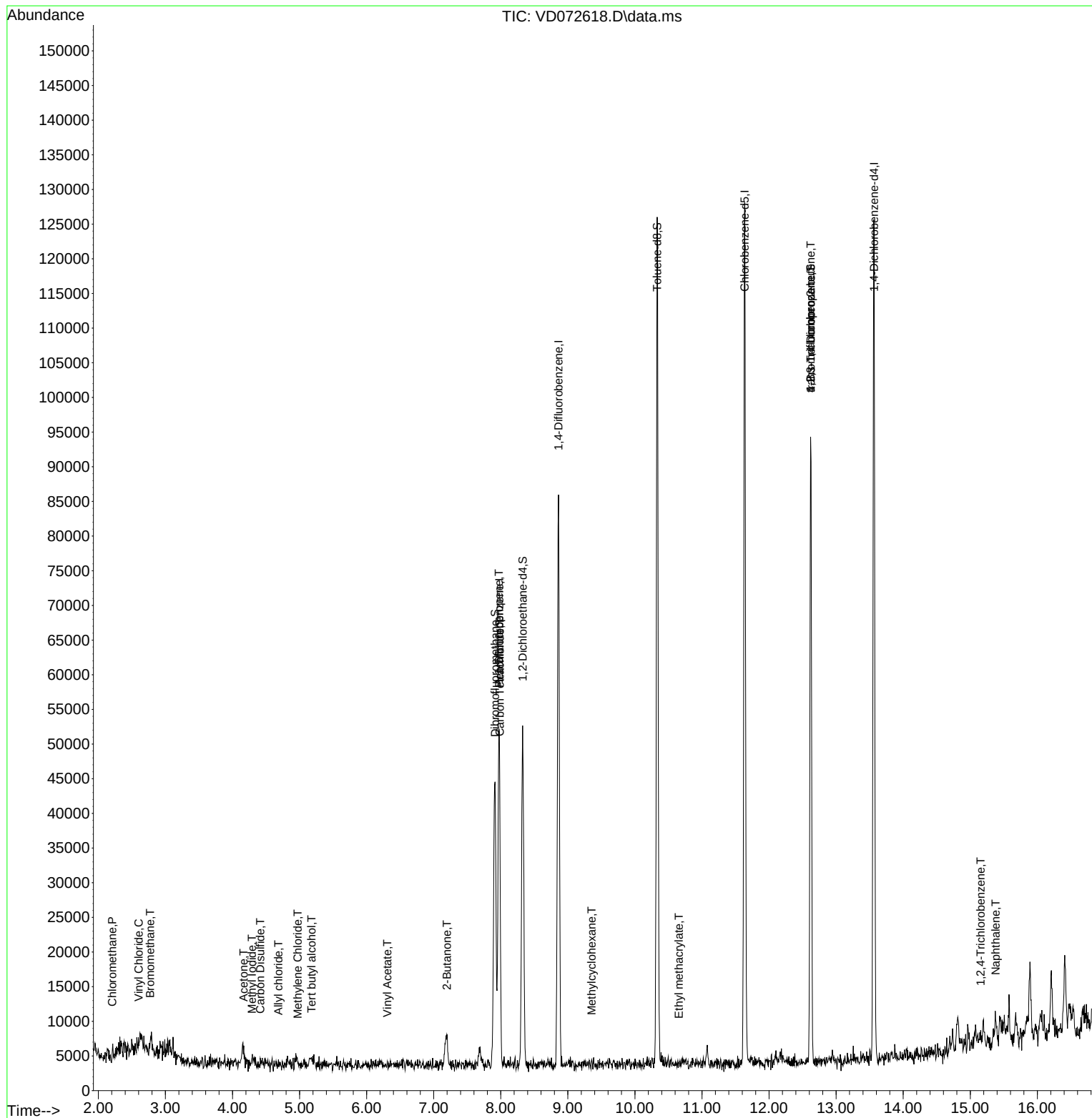
Internal Standards						
1) Pentafluorobenzene	7.979	168	35618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	70249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	77355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	33571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	40025	92.894	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 185.780%#			
35) Dibromofluoromethane	7.914	113	32082	58.765	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.540%			
50) Toluene-d8	10.332	98	83208	43.847	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 87.700%			
62) 4-Bromofluorobenzene	12.620	95	33347	44.995	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.980%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	469	1.794	ug/l	88
4) Vinyl Chloride	2.603	62	53	1.123	ug/l #	43
5) Bromomethane	2.773	94	1463	7.261	ug/l	84
10) Methyl Iodide	4.291	142	1462	7.278	ug/l #	44
11) Tert butyl alcohol	5.179	59	413	18.151	ug/l #	74
14) Allyl chloride	4.685	41	94	1.290	ug/l #	73
16) Acetone	4.167	43	4500	56.010	ug/l	100
17) Carbon Disulfide	4.414	76	187	3.876	ug/l #	74
20) Methylene Chloride	4.973	84	497	1.039	ug/l #	73
23) Vinyl Acetate	6.308	43	172	6.531	ug/l #	75
25) 2-Butanone	7.197	43	153	1.377	ug/l #	52
36) 1,1-Dichloropropene	7.973	75	2790	5.033	ug/l #	46
38) Carbon Tetrachloride	7.985	117	4091	5.439	ug/l #	13
39) Methylcyclohexane	9.355	83	54	2.939	ug/l #	17
56) Ethyl methacrylate	10.655	69	54	1.292	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	15888	43.392	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	15888	106.477	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.155	180	706	1.026	ug/l #	45
95) Naphthalene	15.378	128	3048	2.279	ug/l #	82

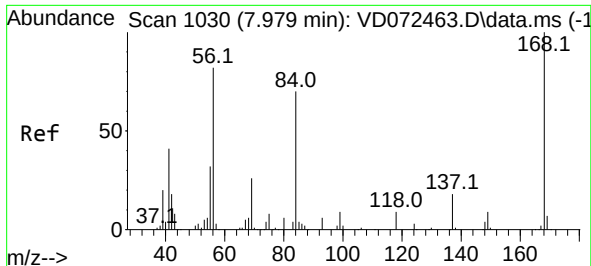
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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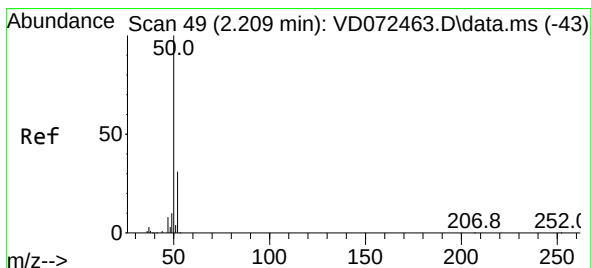
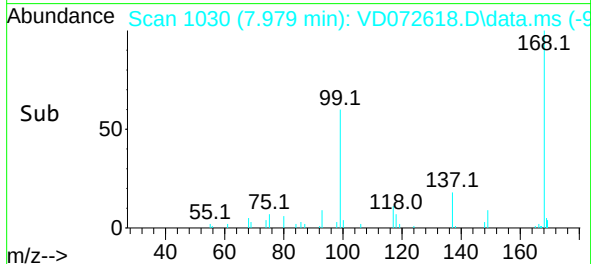
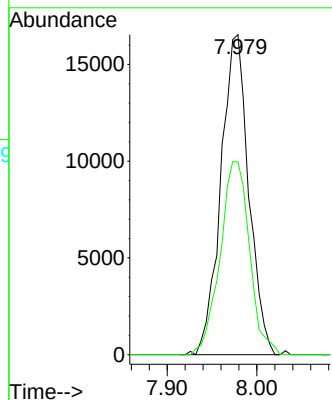
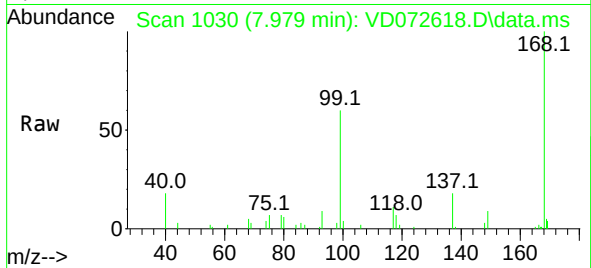




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD072618.D
Acq: 19 Apr 2022 12:03

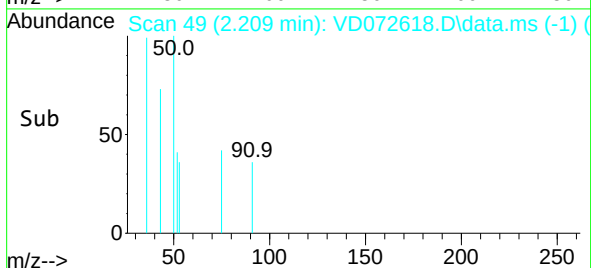
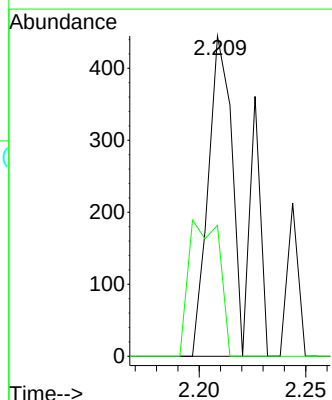
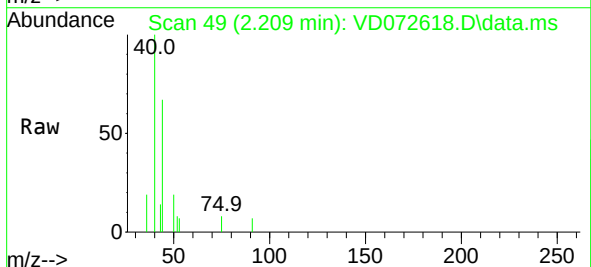
Instrument :
MSVOA_D
ClientSampleId :
HD-01-041822

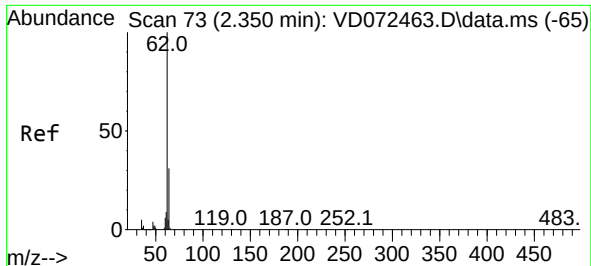
Tgt Ion:168 Resp: 35618
Ion Ratio Lower Upper
168 100
99 60.3 49.8 74.6



#3
Chloromethane
Concen: 1.794 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD072618.D
Acq: 19 Apr 2022 12:03

Tgt Ion: 50 Resp: 469
Ion Ratio Lower Upper
50 100
52 40.9 27.4 41.0

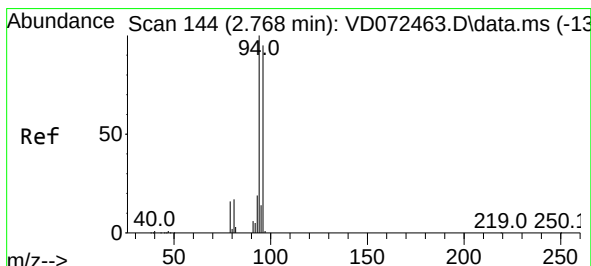
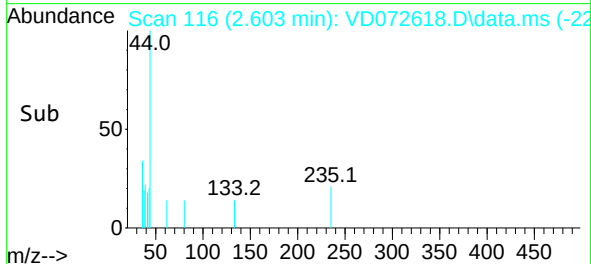
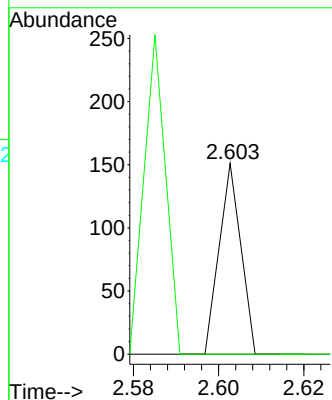
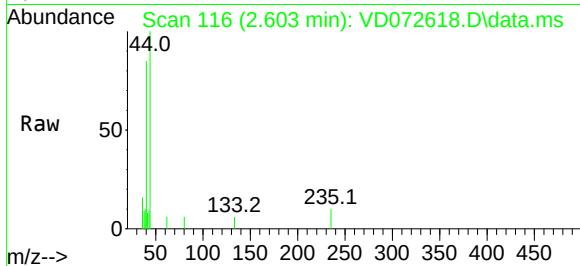




#4
 Vinyl Chloride
 Concen: 1.123 ug/l
 RT: 2.603 min Scan# 116
 Delta R.T. 0.253 min
 Lab File: VD072618.D
 Acq: 19 Apr 2022 12:03

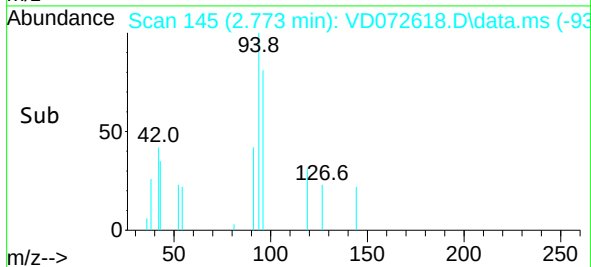
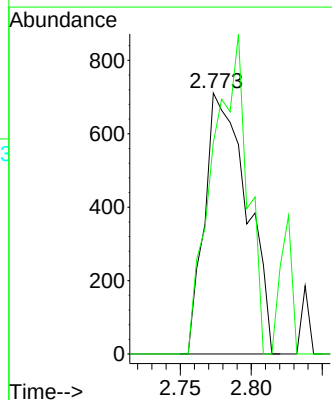
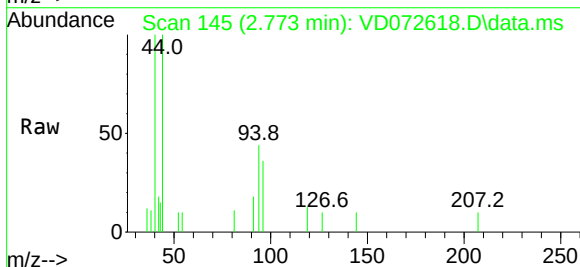
Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-041822

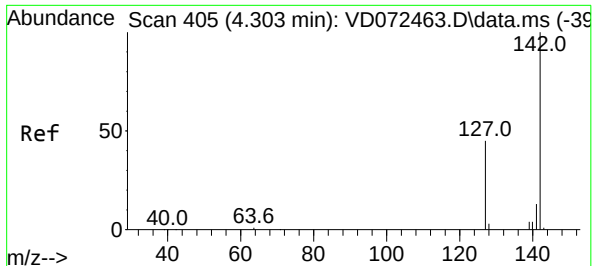
Tgt Ion: 62 Resp: 53
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.0#



#5
 Bromomethane
 Concen: 7.261 ug/l
 RT: 2.773 min Scan# 145
 Delta R.T. 0.006 min
 Lab File: VD072618.D
 Acq: 19 Apr 2022 12:03

Tgt Ion: 94 Resp: 1463
 Ion Ratio Lower Upper
 94 100
 96 81.0 77.6 116.4

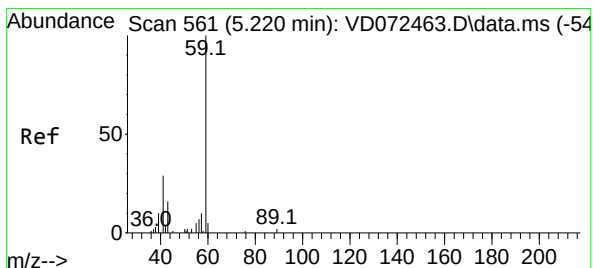
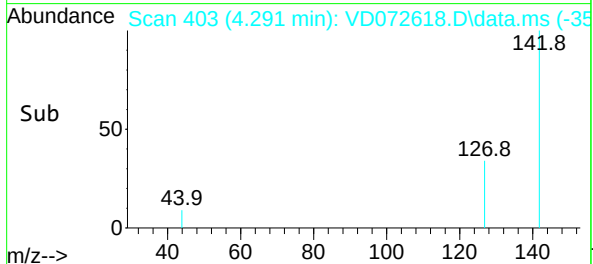
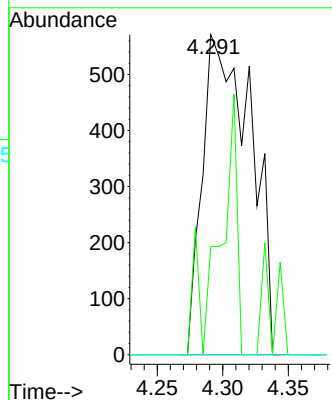
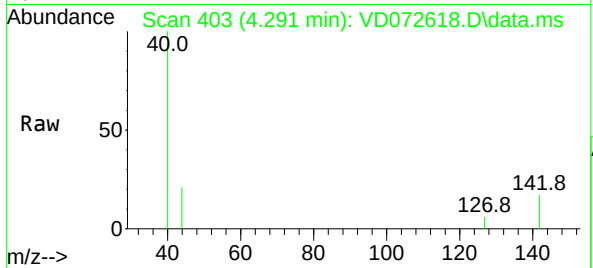




#10
Methyl Iodide
Concen: 7.278 ug/l
RT: 4.291 min Scan# 40
Delta R.T. -0.012 min
Lab File: VD072618.D
Acq: 19 Apr 2022 12:03

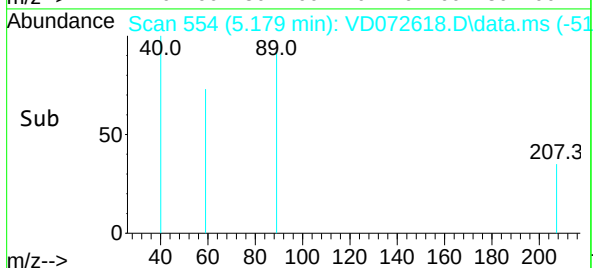
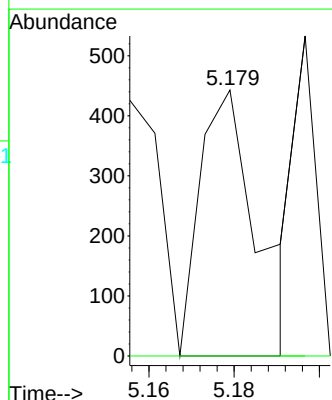
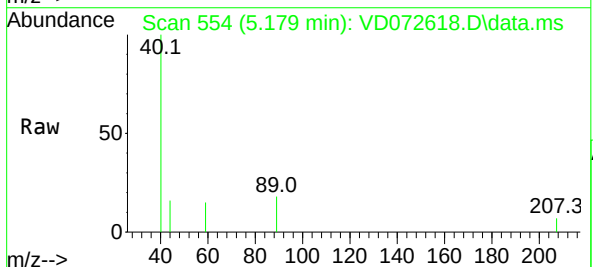
Instrument :
MSVOA_D
ClientSampleId :
HD-01-041822

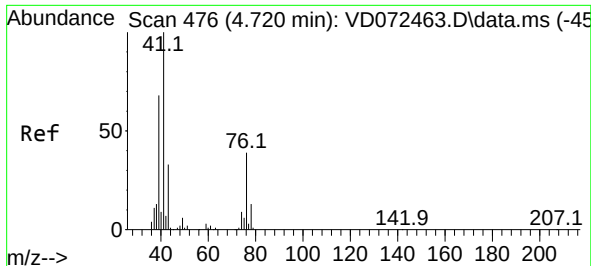
Tgt Ion:142 Resp: 1462
Ion Ratio Lower Upper
142 100
127 5.5 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 18.151 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD072618.D
Acq: 19 Apr 2022 12:03

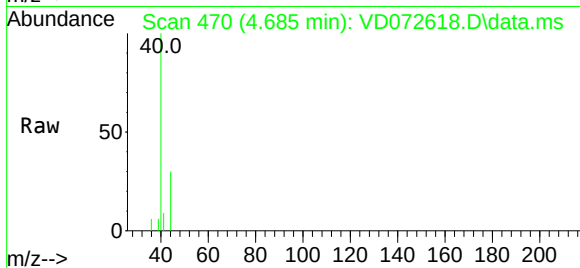
Tgt Ion: 59 Resp: 413
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



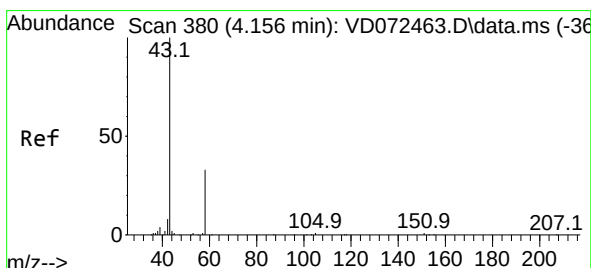
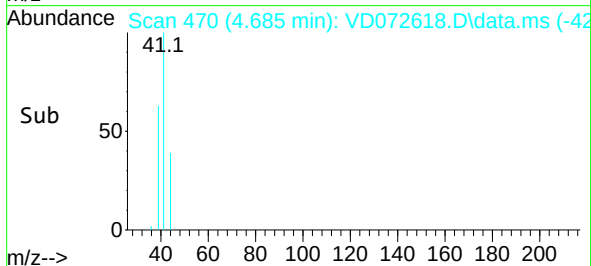
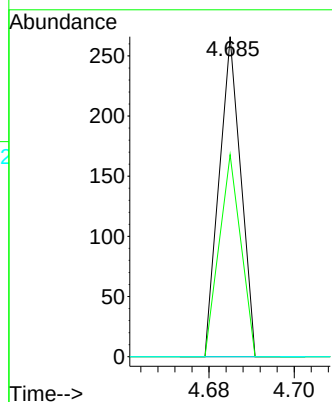


#14
 Allyl chloride
 Concen: 1.290 ug/l
 RT: 4.685 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: VD072618.D
 Acq: 19 Apr 2022 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-041822

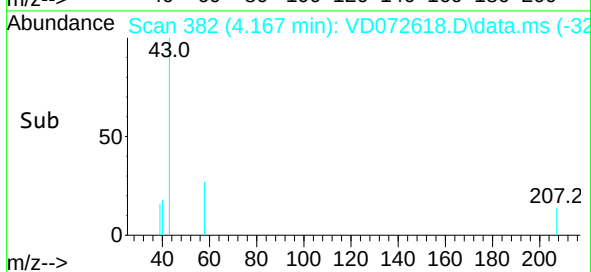
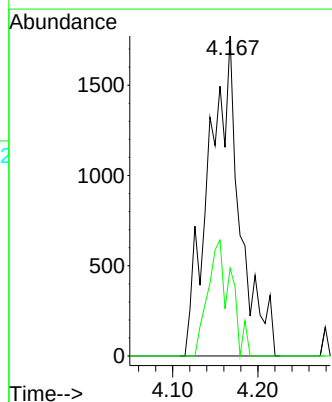
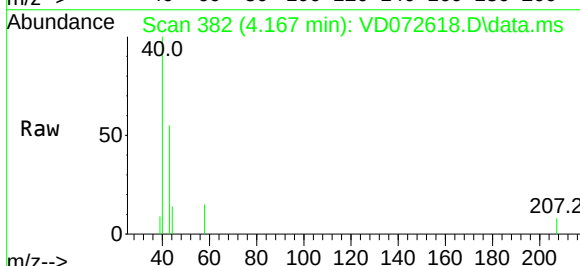


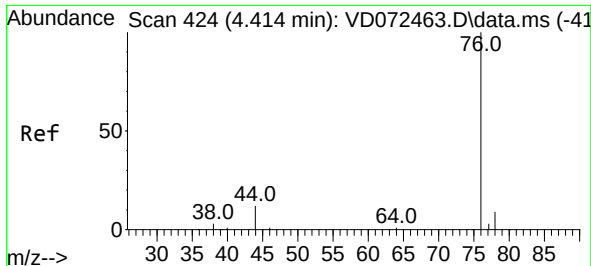
Tgt Ion: 41 Resp: 94
 Ion Ratio Lower Upper
 41 100
 39 62.8 59.3 88.9
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 56.010 ug/l
 RT: 4.167 min Scan# 382
 Delta R.T. 0.012 min
 Lab File: VD072618.D
 Acq: 19 Apr 2022 12:03

Tgt Ion: 43 Resp: 4500
 Ion Ratio Lower Upper
 43 100
 58 27.4 22.1 33.1

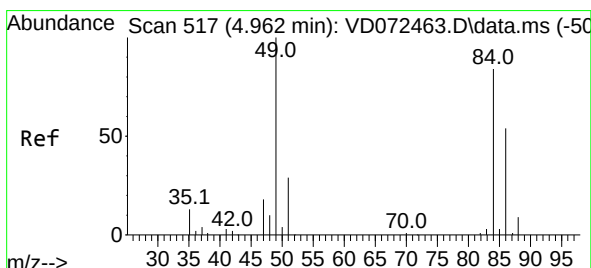
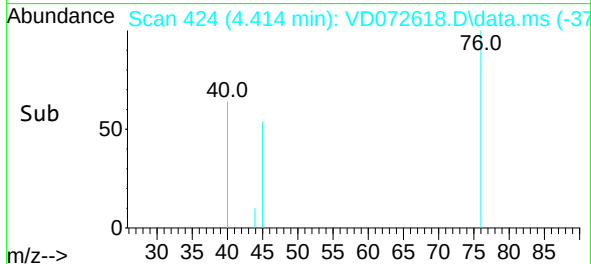
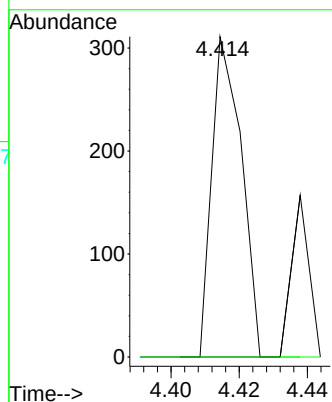
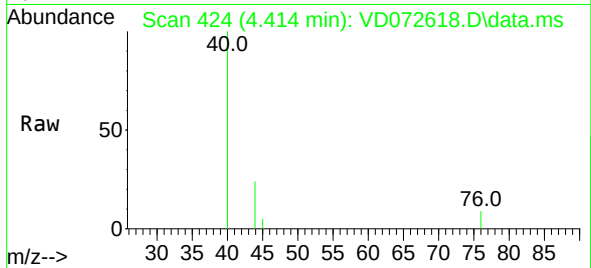




#17
Carbon Disulfide
Concen: 3.876 ug/l
RT: 4.414 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD072618.D
Acq: 19 Apr 2022 12:03

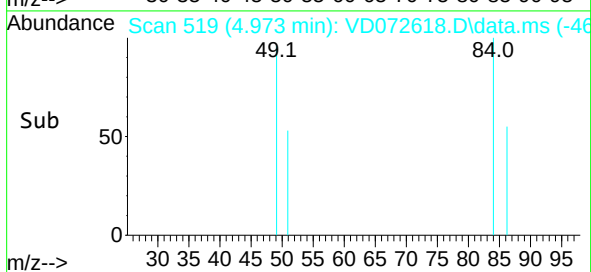
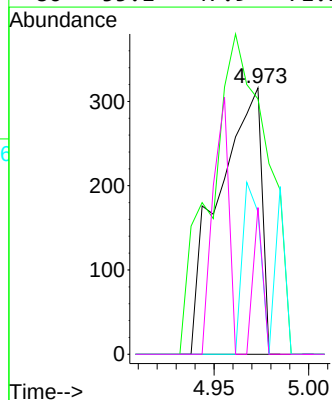
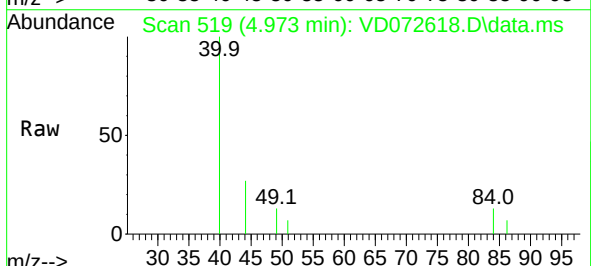
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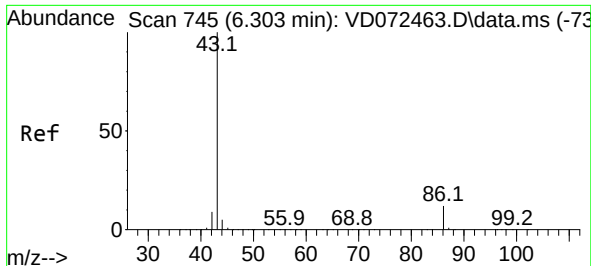
Tgt Ion: 76 Resp: 187
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 1.039 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.012 min
Lab File: VD072618.D
Acq: 19 Apr 2022 12:03

Tgt Ion: 84 Resp: 497
Ion Ratio Lower Upper
84 100
49 95.9 112.8 169.2#
51 53.5 32.6 48.8#
86 55.1 47.9 71.9

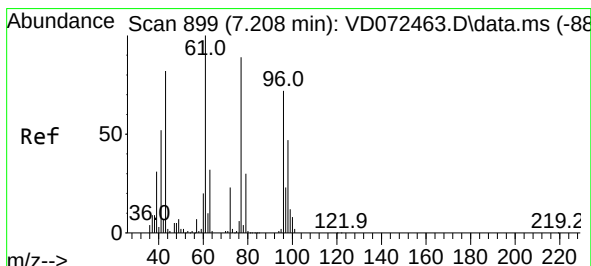
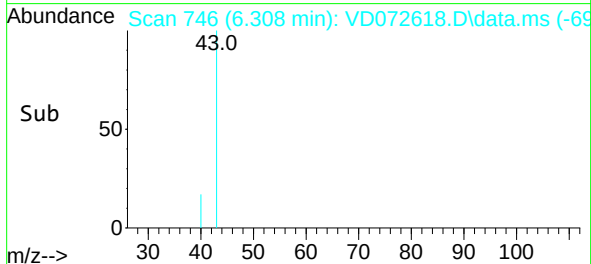
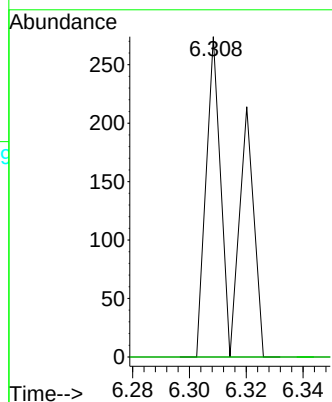
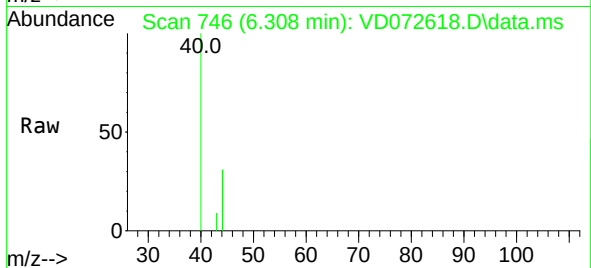




#23
 Vinyl Acetate
 Concen: 6.531 ug/l
 RT: 6.308 min Scan# 745
 Delta R.T. 0.005 min
 Lab File: VD072618.D
 Acq: 19 Apr 2022 12:03

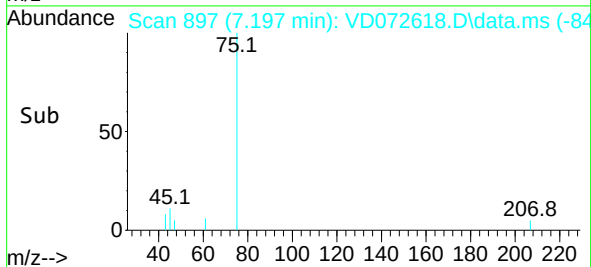
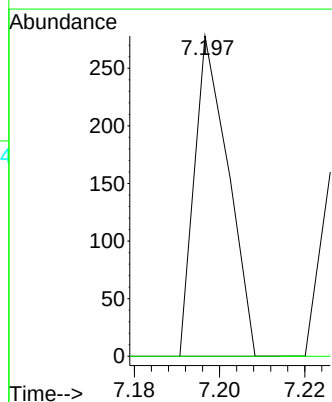
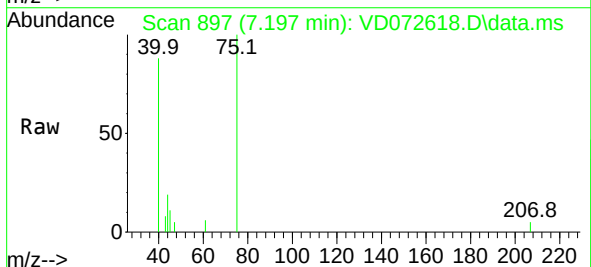
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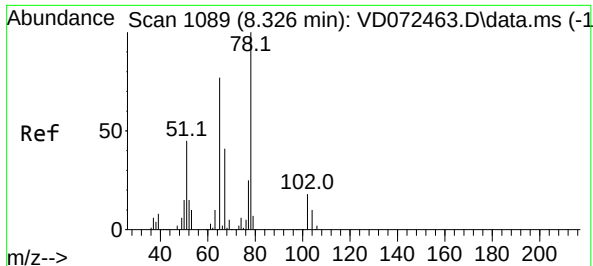
Tgt Ion: 43 Resp: 172
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 1.377 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.012 min
 Lab File: VD072618.D
 Acq: 19 Apr 2022 12:03

Tgt Ion: 43 Resp: 153
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#





#33

1,2-Dichloroethane-d4

Concen: 92.894 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD072618.D

Acq: 19 Apr 2022 12:03

Instrument :

MSVOA_D

ClientSampleId :

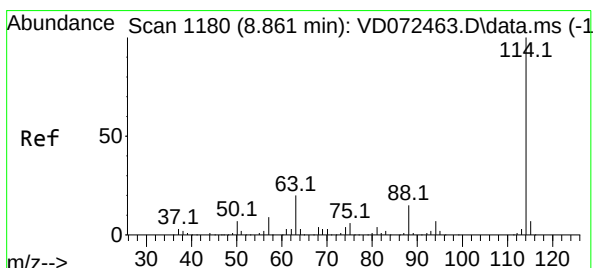
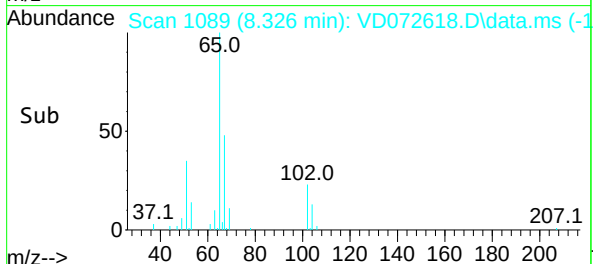
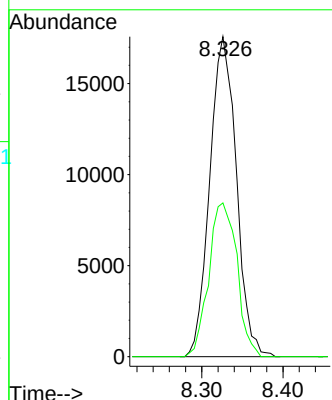
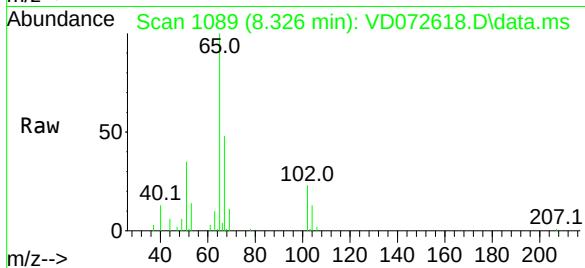
HD-01-041822

Tgt Ion: 65 Resp: 40025

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072618.D

Acq: 19 Apr 2022 12:03

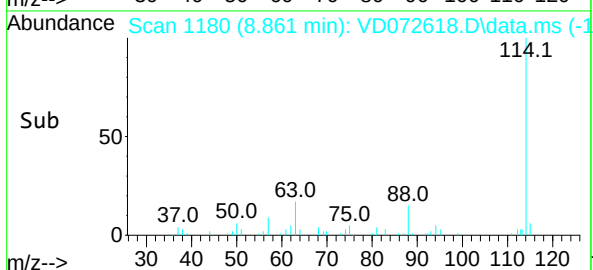
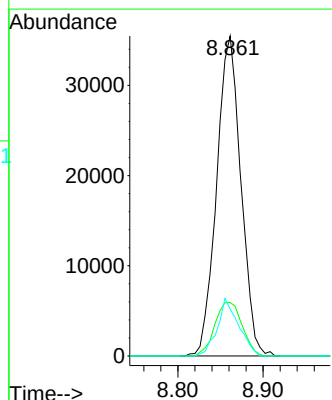
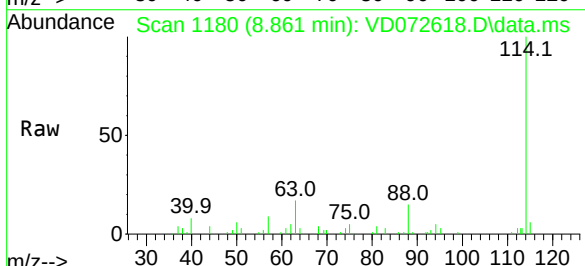
Tgt Ion: 114 Resp: 70249

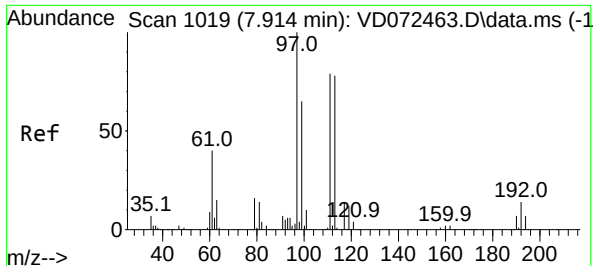
Ion Ratio Lower Upper

114 100

63 16.7 0.0 46.6

88 14.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 58.765 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD072618.D

Acq: 19 Apr 2022 12:03

Instrument :

MSVOA_D

ClientSampleId :

HD-01-041822

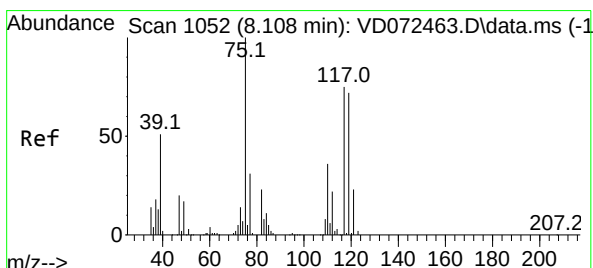
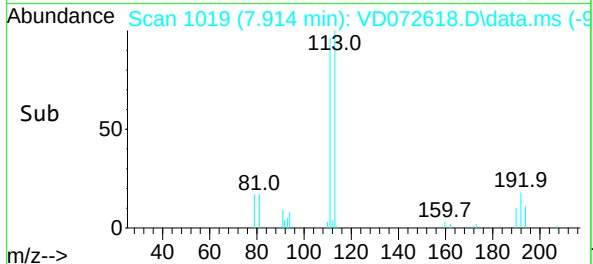
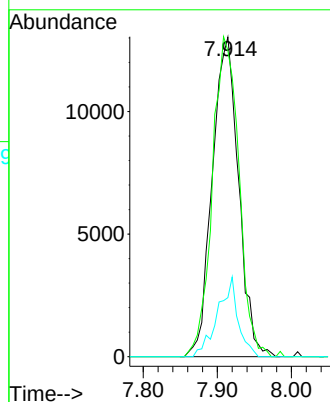
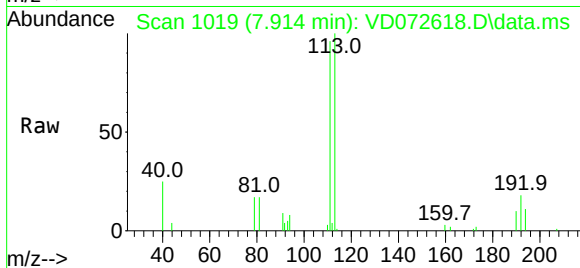
Tgt Ion:113 Resp: 32082

Ion Ratio Lower Upper

113 100

111 101.1 83.8 125.6

192 19.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.033 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072618.D

Acq: 19 Apr 2022 12:03

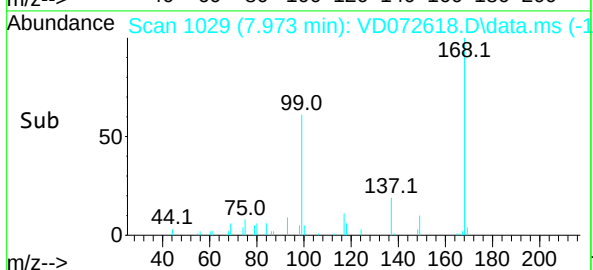
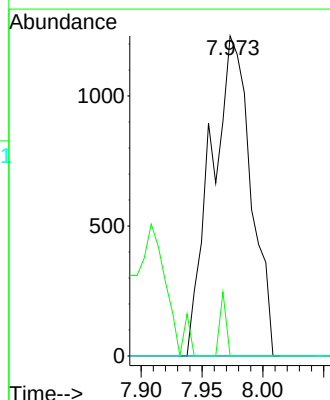
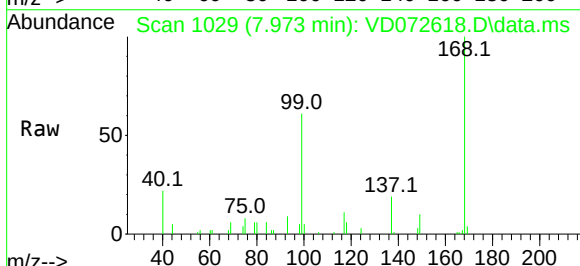
Tgt Ion: 75 Resp: 2790

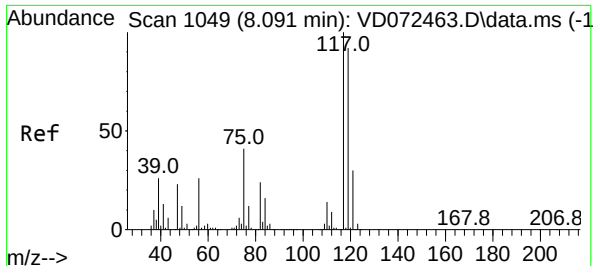
Ion Ratio Lower Upper

75 100

110 3.1 16.4 49.1#

77 0.0 24.2 36.2#

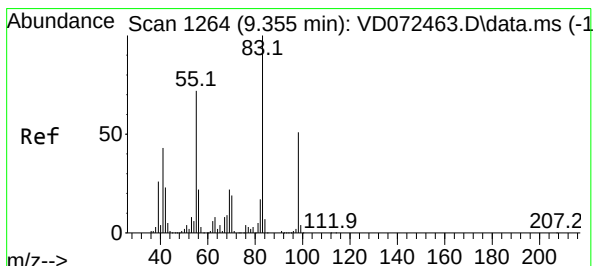
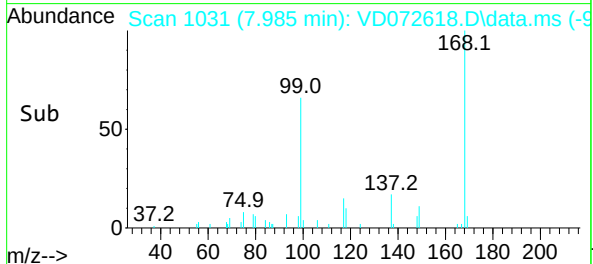
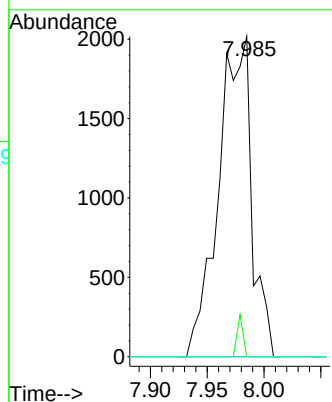
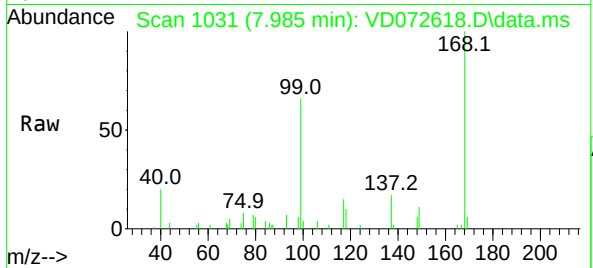




#38
Carbon Tetrachloride
Concen: 5.439 ug/l
RT: 7.985 min Scan# 1049
Delta R.T. -0.106 min
Lab File: VD072618.D
Acq: 19 Apr 2022 12:03

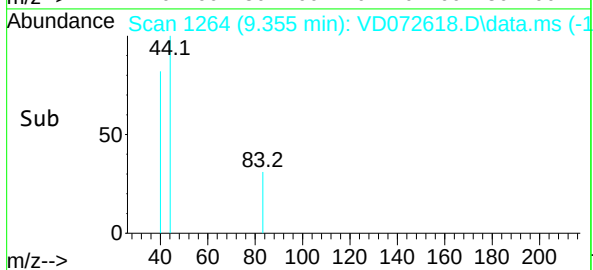
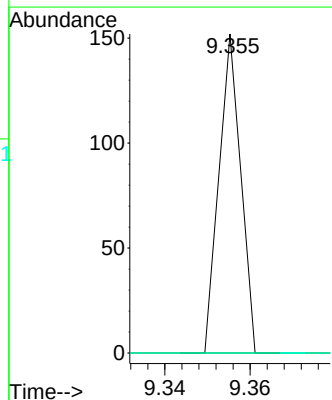
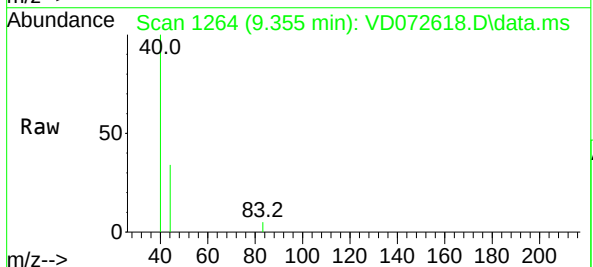
Instrument : MSVOA_D
ClientSampleId : HD-01-041822

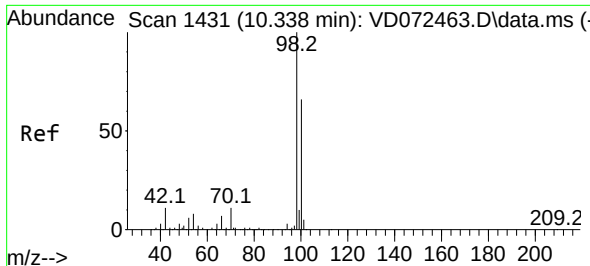
Tgt Ion:117 Resp: 4091
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.939 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD072618.D
Acq: 19 Apr 2022 12:03

Tgt Ion: 83 Resp: 54
Ion Ratio Lower Upper
83 100
55 0.0 63.2 94.8#
98 0.0 38.2 57.4#

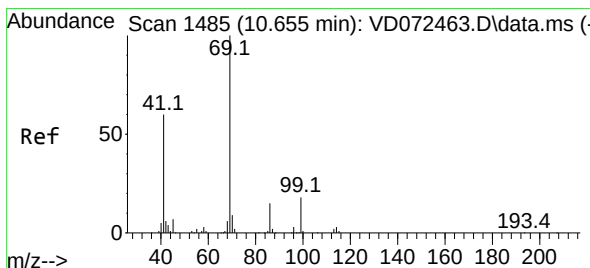
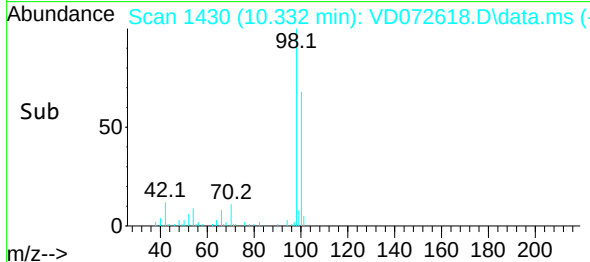
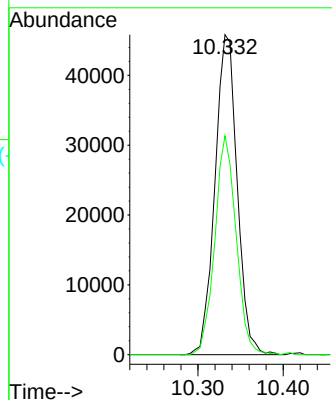
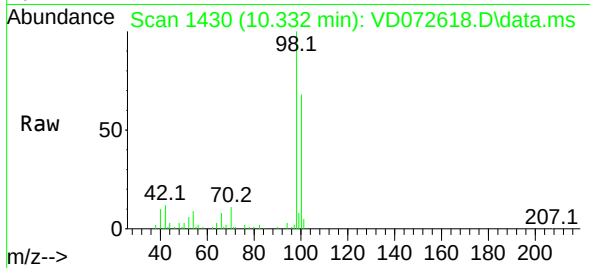




#50
Toluene-d8
Concen: 43.847 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072618.D
Acq: 19 Apr 2022 12:03

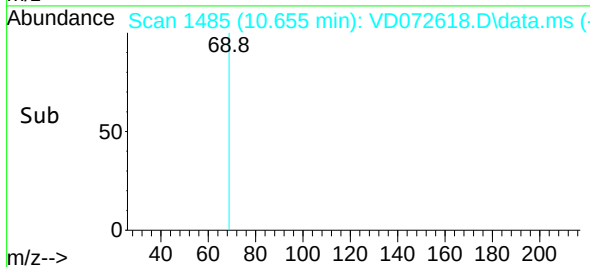
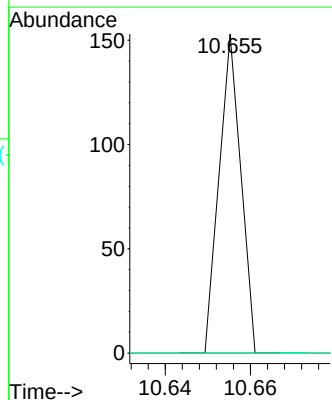
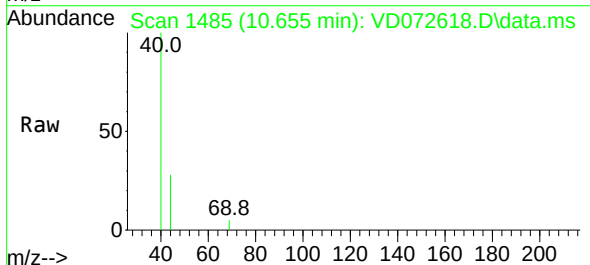
Instrument :
MSVOA_D
ClientSampleId :
HD-01-041822

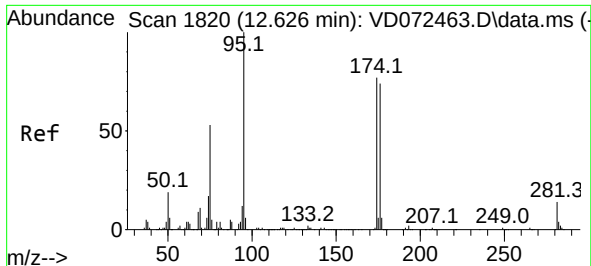
Tgt Ion: 98 Resp: 83208
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.292 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD072618.D
Acq: 19 Apr 2022 12:03

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#

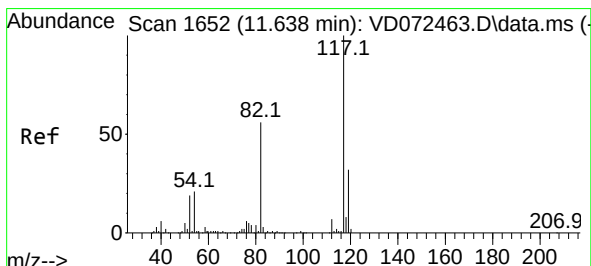
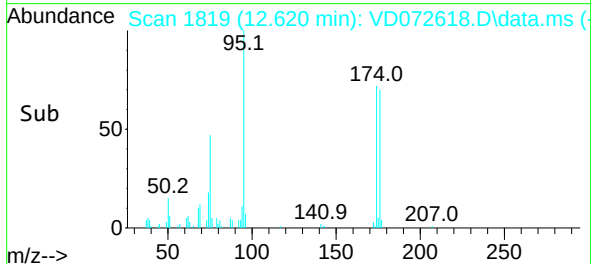
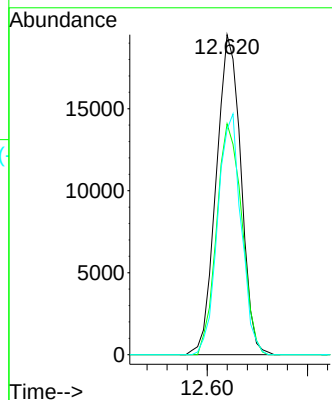
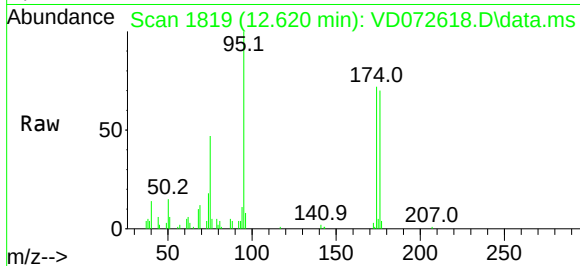




#62
4-Bromofluorobenzene
Concen: 44.995 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072618.D
Acq: 19 Apr 2022 12:03

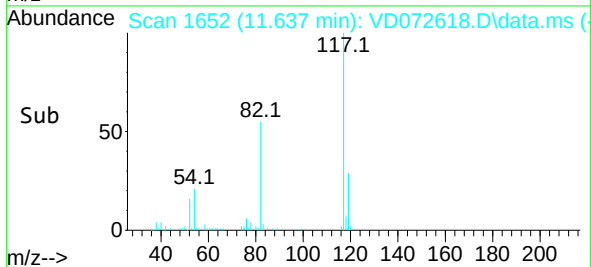
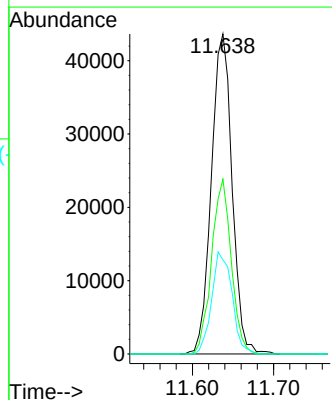
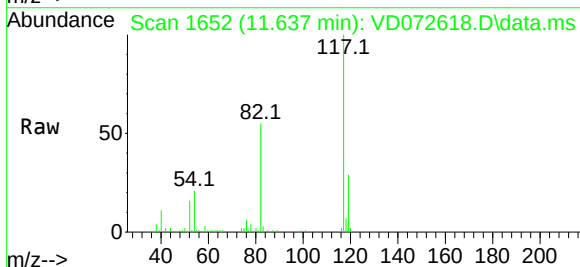
Instrument :
MSVOA_D
ClientSampleId :
HD-01-041822

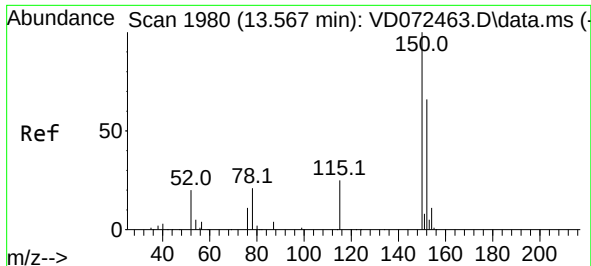
Tgt Ion: 95 Resp: 33347
Ion Ratio Lower Upper
95 100
174 73.7 0.0 152.8
176 71.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072618.D
Acq: 19 Apr 2022 12:03

Tgt Ion: 117 Resp: 77355
Ion Ratio Lower Upper
117 100
82 54.6 45.3 67.9
119 29.4 26.6 40.0

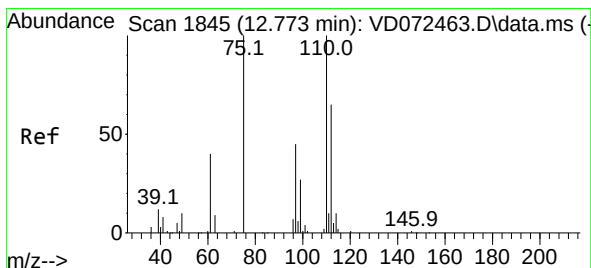
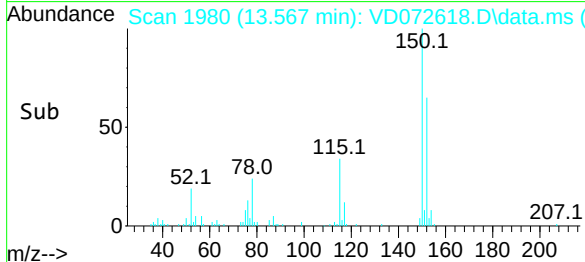
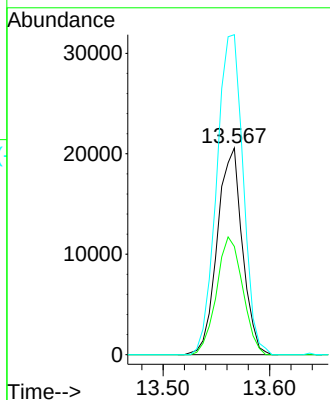
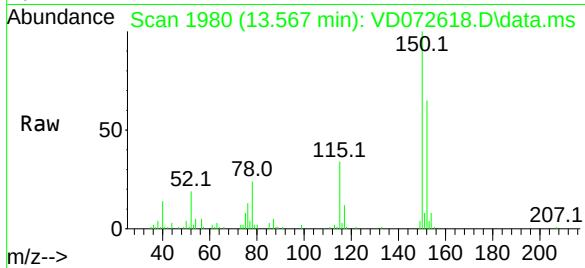




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD072618.D
 Acq: 19 Apr 2022 12:03

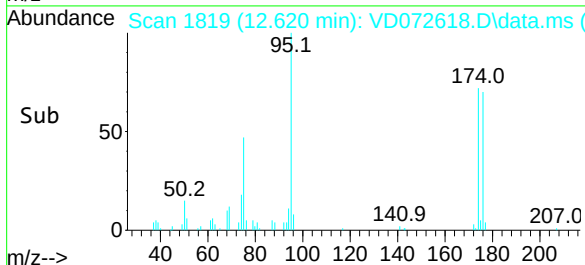
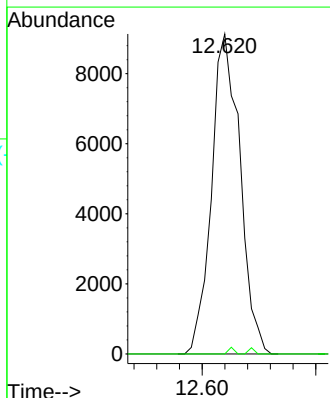
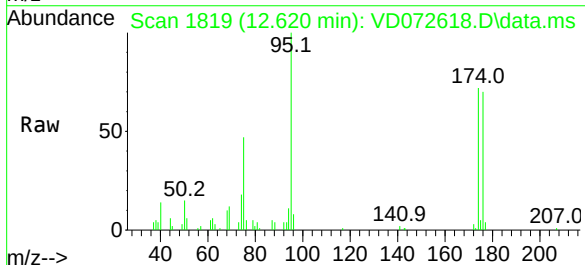
Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-041822

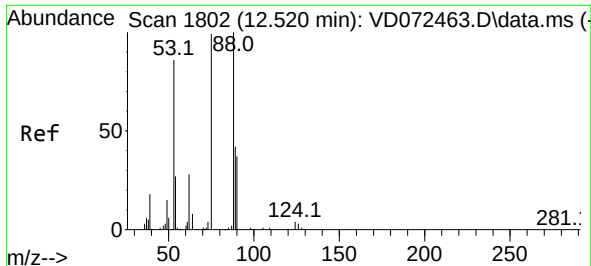
Tgt Ion:152 Resp: 33571
 Ion Ratio Lower Upper
 152 100
 115 59.6 31.3 93.8
 150 163.6 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 43.392 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD072618.D
 Acq: 19 Apr 2022 12:03

Tgt Ion: 75 Resp: 15888
 Ion Ratio Lower Upper
 75 100
 77 0.4 0.0 0.0#

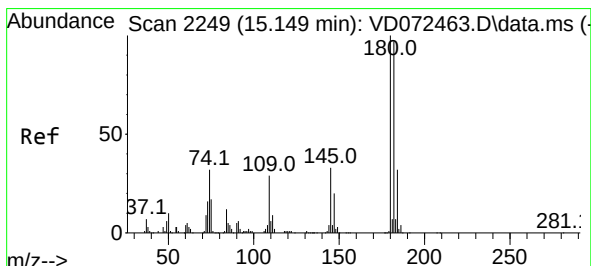
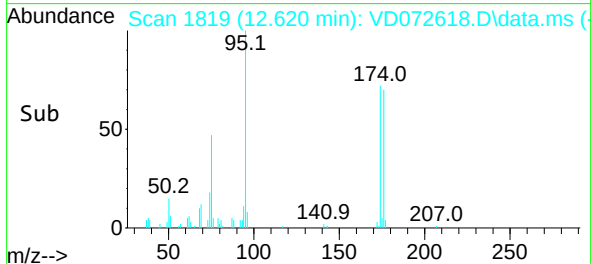
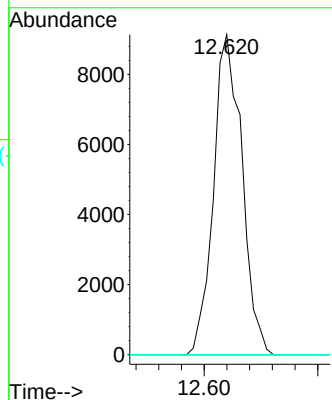
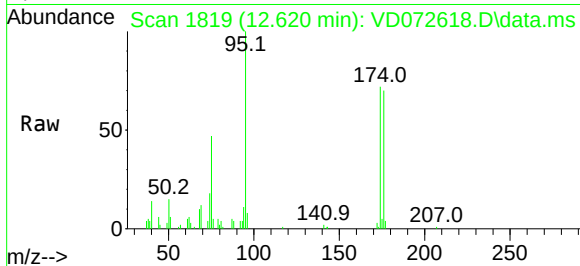




#81
trans-1,4-Dichloro-2-butene
Concen: 106.477 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD072618.D
Acq: 19 Apr 2022 12:03

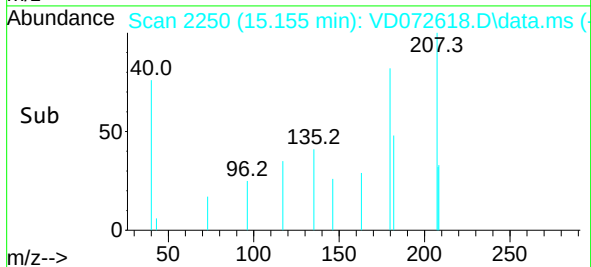
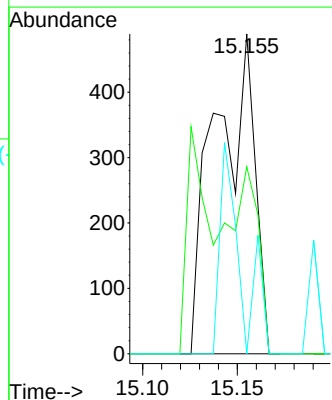
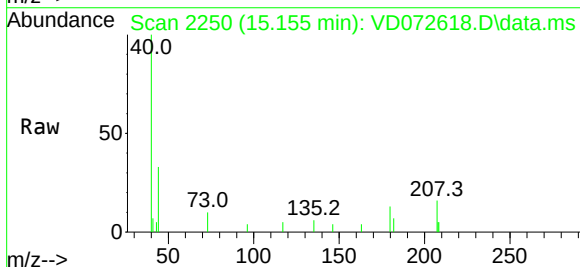
Instrument :
MSVOA_D
ClientSampleId :
HD-01-041822

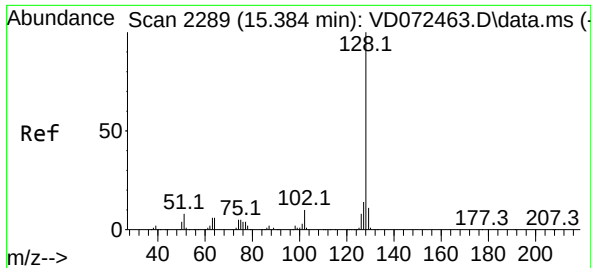
Tgt Ion: 75 Resp: 15888
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#93
1,2,4-Trichlorobenzene
Concen: 1.026 ug/l
RT: 15.155 min Scan# 2250
Delta R.T. 0.006 min
Lab File: VD072618.D
Acq: 19 Apr 2022 12:03

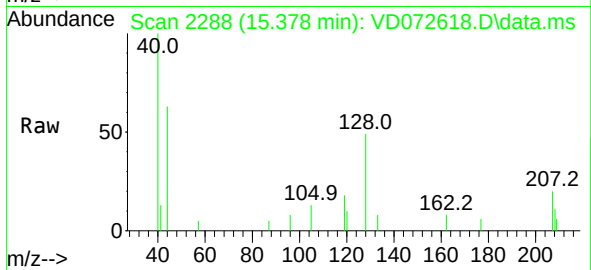
Tgt Ion:180 Resp: 706
Ion Ratio Lower Upper
180 100
182 24.9 47.3 142.0#
145 35.0 16.2 48.5





#95
Naphthalene
Concen: 2.279 ug/l
RT: 15.378 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD072618.D
Acq: 19 Apr 2022 12:03

Instrument :
MSVOA_D
ClientSampleId :
HD-01-041822



Tgt Ion:128 Resp: 3048
Ion Ratio Lower Upper
128 100
127 8.8 10.3 15.5#
129 0.0 8.4 12.6#

