

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020822\
 Data File : VD071917.D
 Acq On : 08 Feb 2022 14:52
 Operator : VA/SY
 Sample : N1424-02
 Misc : 6.29G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DB-10(22-25)-02-04-22

Quant Time: Feb 09 03:51:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

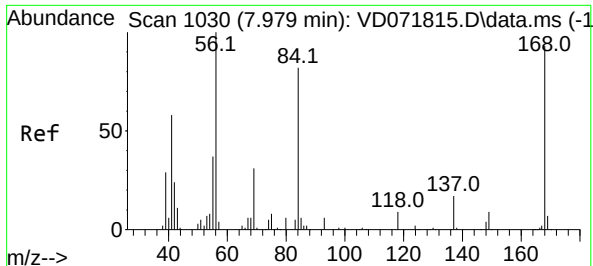
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	438683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	834764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	792789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	349941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	294679	53.146	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.300%	
35) Dibromofluoromethane	7.909	113	280280	51.079	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.160%	
50) Toluene-d8	10.332	98	1068163	52.124	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.240%	
62) 4-Bromofluorobenzene	12.626	95	360902	50.431	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.215	59	173	Below Cal	#	74
16) Acetone	4.156	43	51691	34.056	ug/l	91
17) Carbon Disulfide	4.409	76	41947	2.496	ug/l	96
20) Methylene Chloride	4.962	84	4031	Below Cal	#	92
25) 2-Butanone	7.214	43	3068	1.734	ug/l	# 88
31) Cyclohexane	7.979	56	13561	1.281	ug/l	# 15
36) 1,1-Dichloropropene	7.973	75	42120	4.472	ug/l	# 51
38) Carbon Tetrachloride	7.979	117	47537	5.104	ug/l	# 16
49) 1,4-Dioxane	9.403	88	56	1.429	ug/l	# 1
71) Bromoform	12.620	173	4576	1.405	ug/l	# 1
76) 1,2,3-Trichloropropane	12.626	75	199198	54.013	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	199198	132.806	ug/l	# 7
95) Naphthalene	15.385	128	3333	1.720	ug/l	# 95

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

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Response via : Initial Calibration

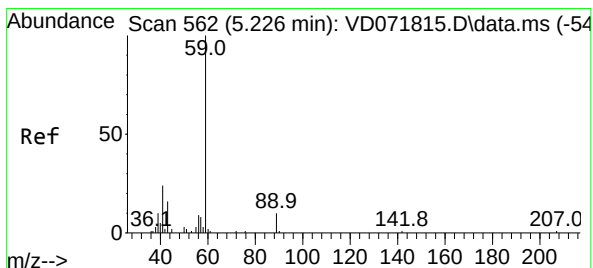
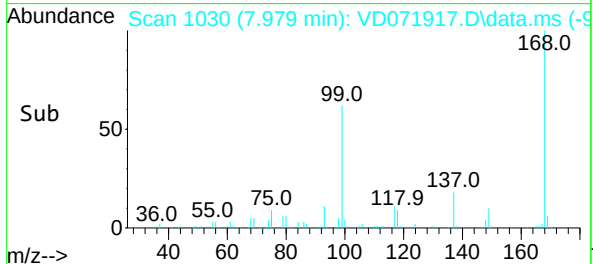
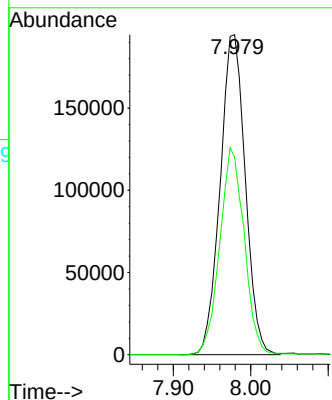
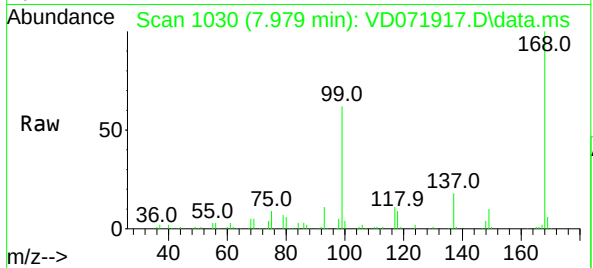




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071917.D
Acq: 08 Feb 2022 14:52

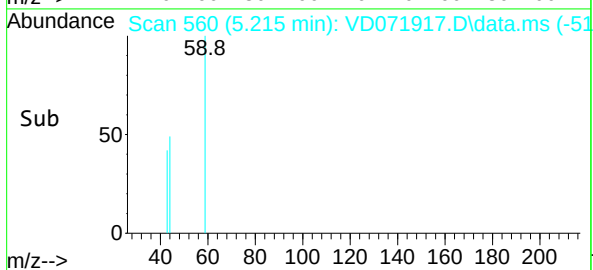
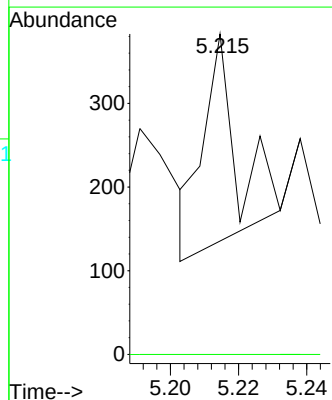
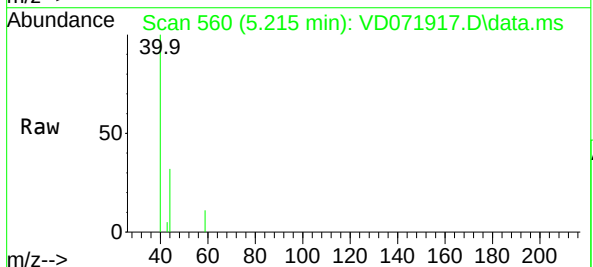
Instrument :
MSVOA_D
ClientSampleId :
DB-10(22-25)-02-04-22

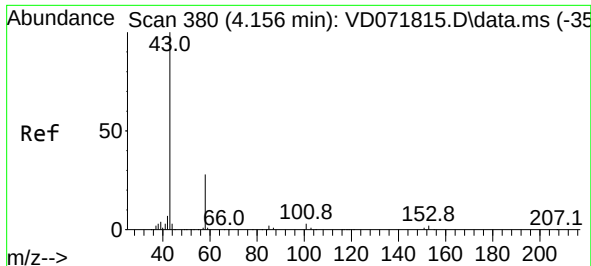
Tgt Ion:168 Resp: 438683
Ion Ratio Lower Upper
168 100
99 61.8 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.215 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD071917.D
Acq: 08 Feb 2022 14:52

Tgt Ion: 59 Resp: 173
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

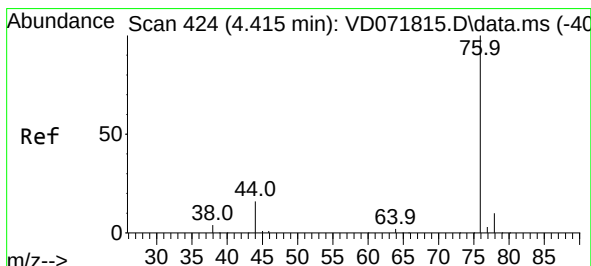
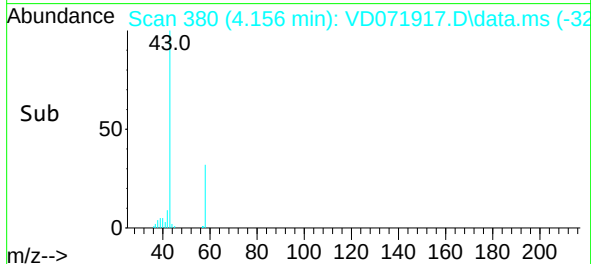
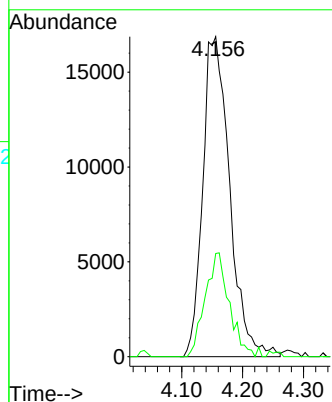
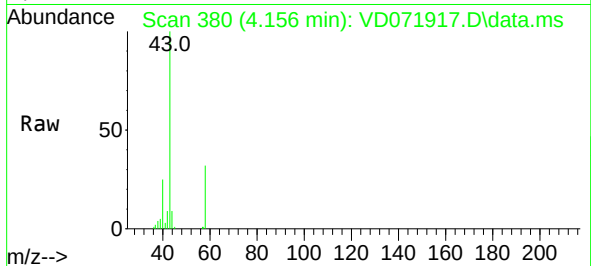




#16
Acetone
Concen: 34.056 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.000 min
Lab File: VD071917.D
Acq: 08 Feb 2022 14:52

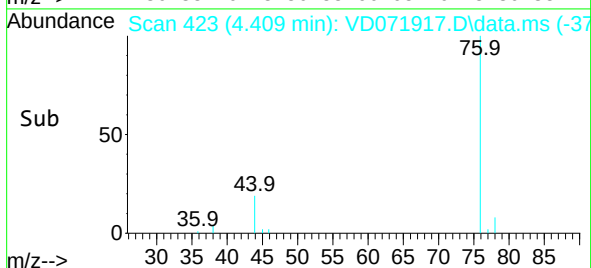
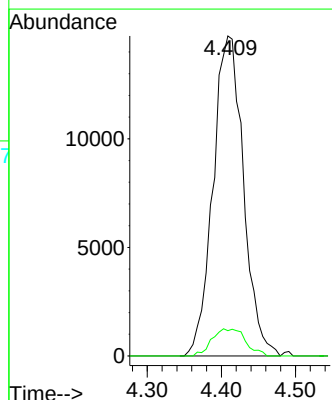
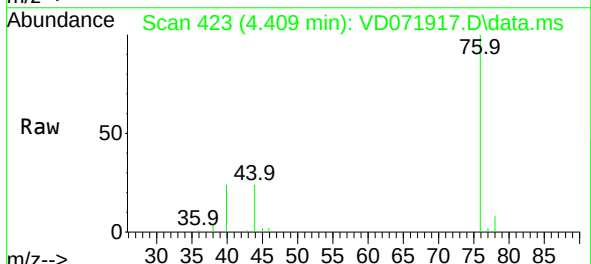
Instrument :
MSVOA_D
ClientSampleId :
DB-10(22-25)-02-04-22

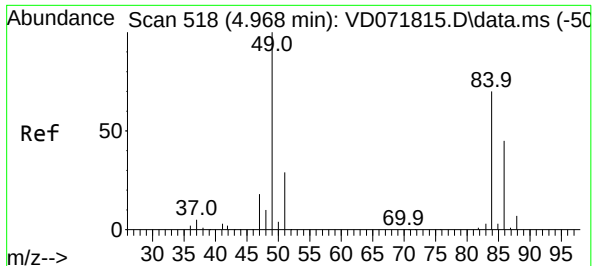
Tgt Ion: 43 Resp: 51691
Ion Ratio Lower Upper
43 100
58 32.2 22.1 33.1



#17
Carbon Disulfide
Concen: 2.496 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.006 min
Lab File: VD071917.D
Acq: 08 Feb 2022 14:52

Tgt Ion: 76 Resp: 41947
Ion Ratio Lower Upper
76 100
78 7.9 7.5 11.3

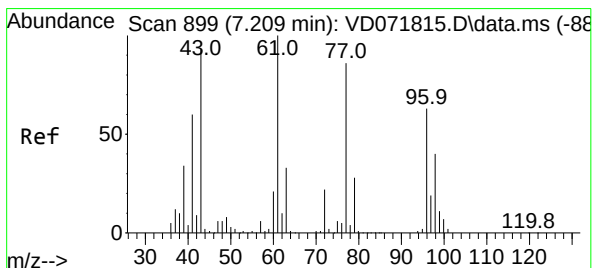
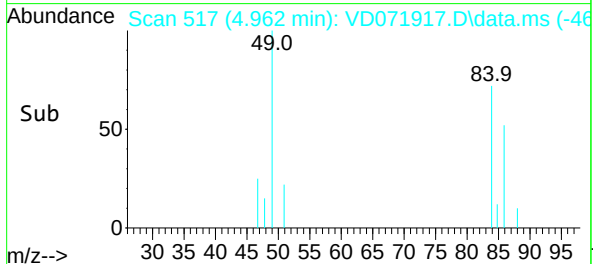
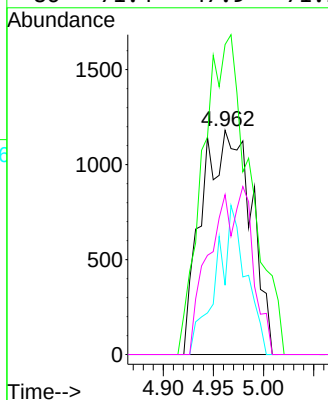
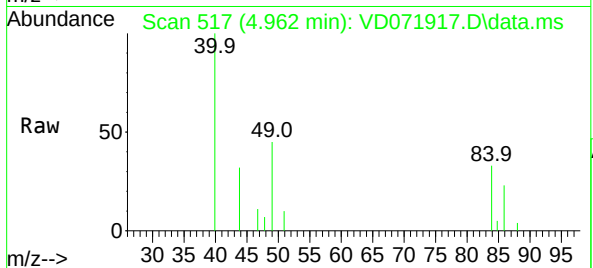




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD071917.D
Acq: 08 Feb 2022 14:52

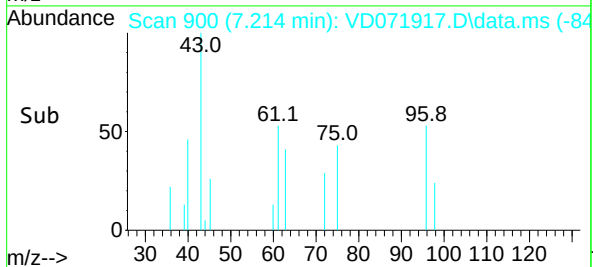
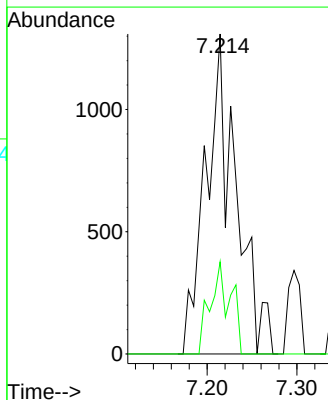
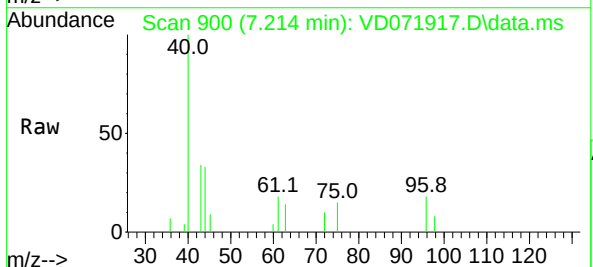
Instrument :
MSVOA_D
ClientSampleId :
DB-10(22-25)-02-04-22

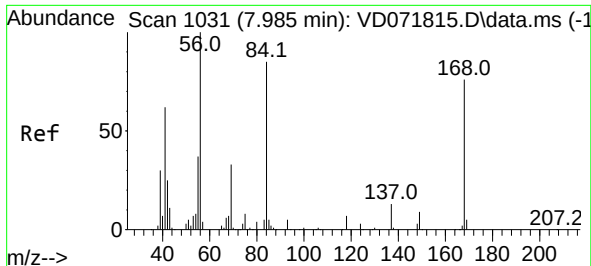
Tgt Ion:	84	Resp:	4031
Ion	Ratio	Lower	Upper
84	100		
49	138.3	112.8	169.2
51	30.9	32.6	48.8#
86	71.4	47.9	71.9



#25
2-Butanone
Concen: 1.734 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD071917.D
Acq: 08 Feb 2022 14:52

Tgt Ion:	43	Resp:	3068
Ion	Ratio	Lower	Upper
43	100		
72	28.8	18.6	27.8#





#31

Cyclohexane

Concen: 1.281 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071917.D

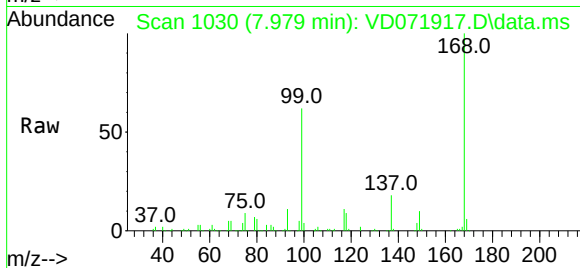
Acq: 08 Feb 2022 14:52

Instrument :

MSVOA_D

ClientSampleId :

DB-10(22-25)-02-04-22



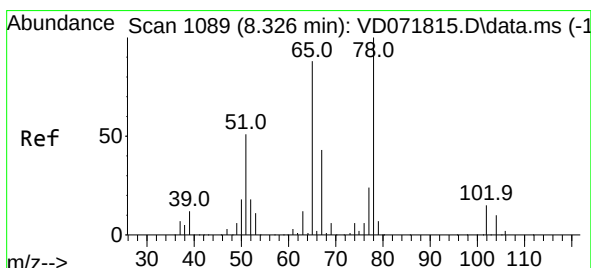
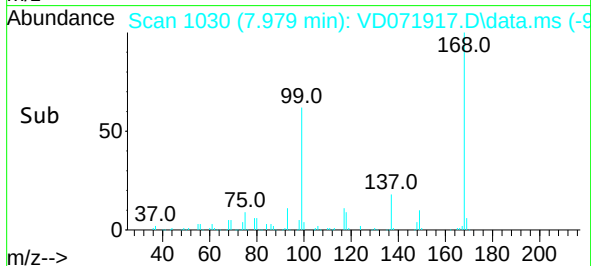
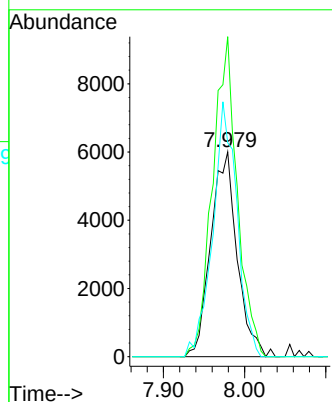
Tgt Ion: 56 Resp: 13561

Ion Ratio Lower Upper

56 100

69 156.2 25.4 38.2#

84 104.4 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 53.146 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071917.D

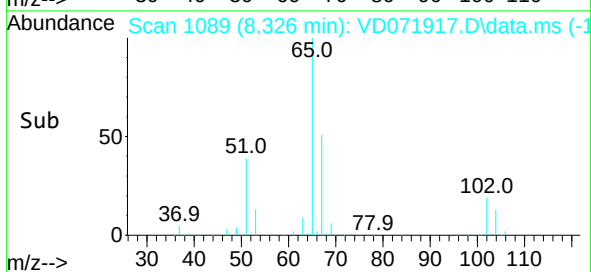
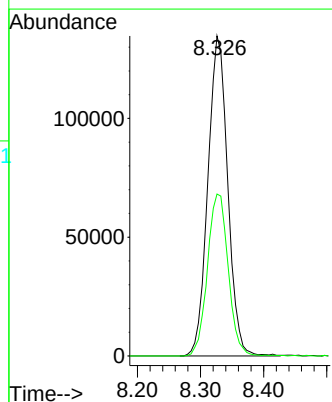
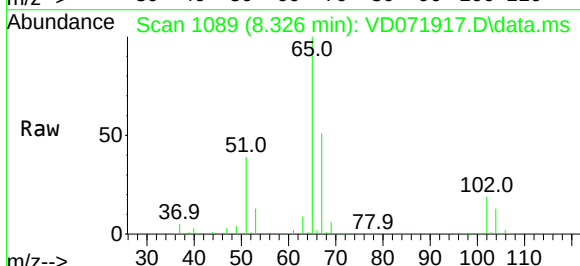
Acq: 08 Feb 2022 14:52

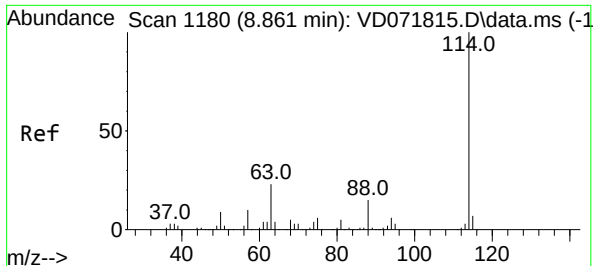
Tgt Ion: 65 Resp: 294679

Ion Ratio Lower Upper

65 100

67 53.0 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: VD071917.D

Acq: 08 Feb 2022 14:52

Instrument :

MSVOA_D

ClientSampleId :

DB-10(22-25)-02-04-22

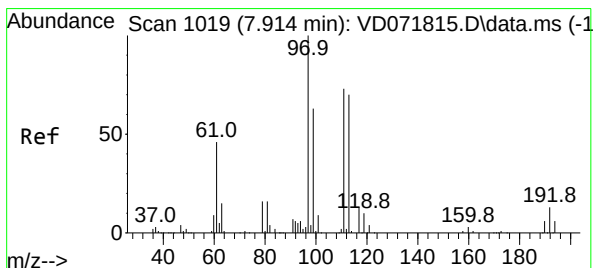
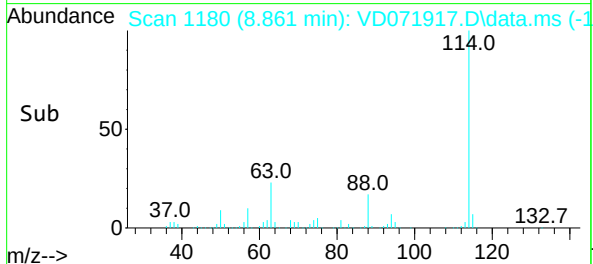
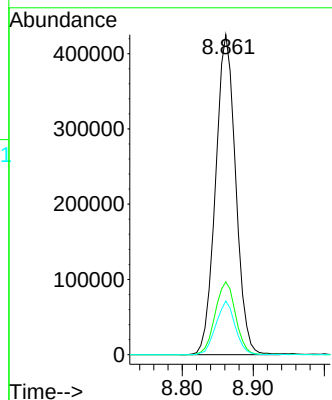
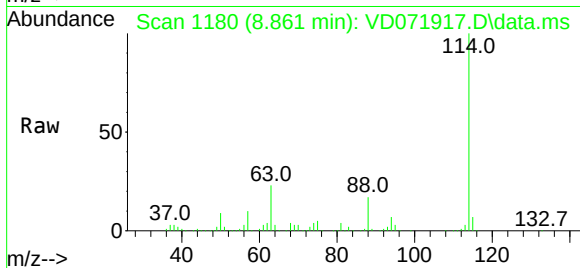
Tgt Ion:114 Resp: 834764

Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.6

88 16.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.079 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071917.D

Acq: 08 Feb 2022 14:52

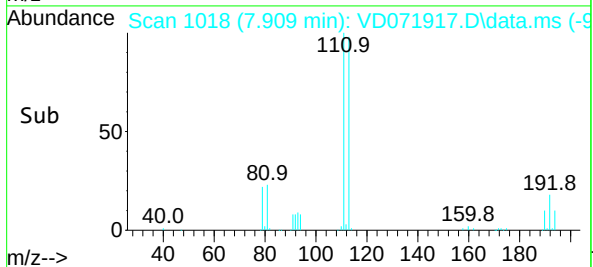
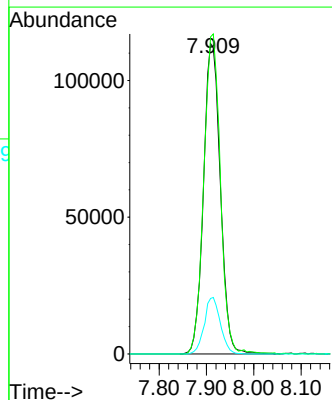
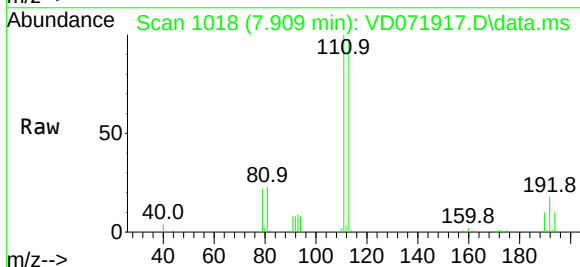
Tgt Ion:113 Resp: 280280

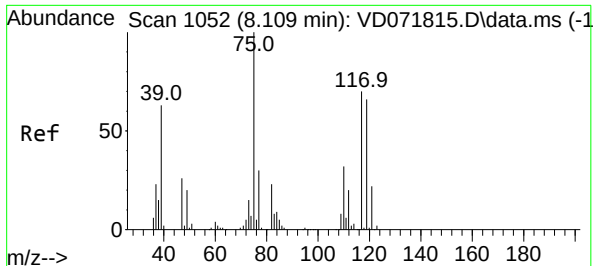
Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

192 17.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.472 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071917.D

Acq: 08 Feb 2022 14:52

Instrument :

MSVOA_D

ClientSampleId :

DB-10(22-25)-02-04-22

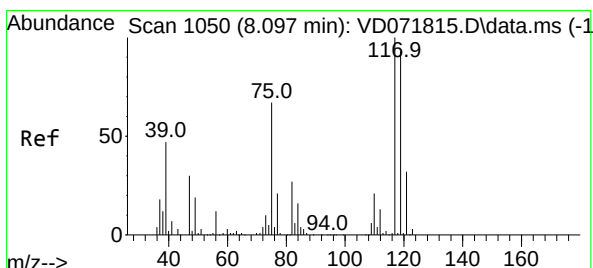
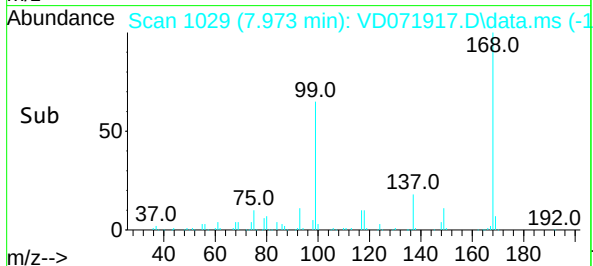
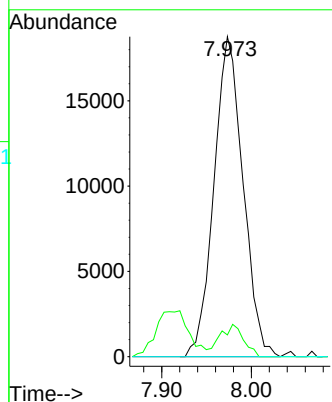
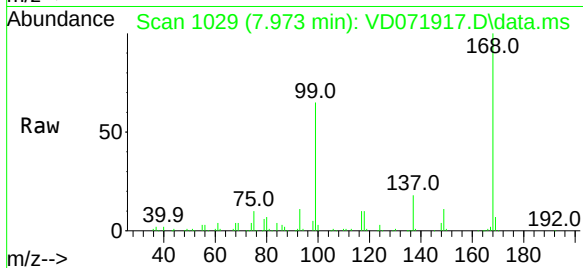
Tgt Ion: 75 Resp: 42120

Ion Ratio Lower Upper

75 100

110 8.2 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.104 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071917.D

Acq: 08 Feb 2022 14:52

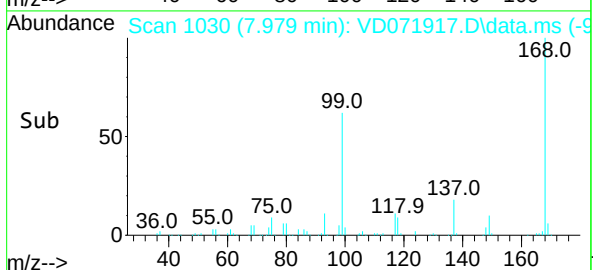
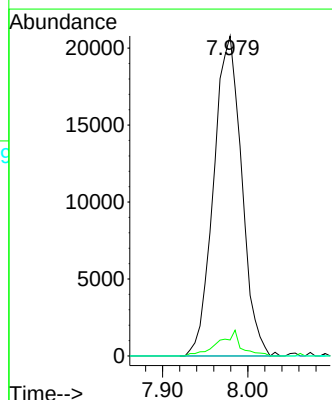
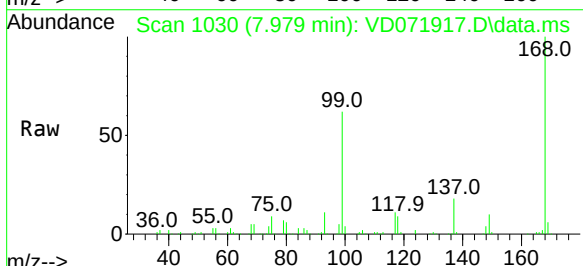
Tgt Ion: 117 Resp: 47537

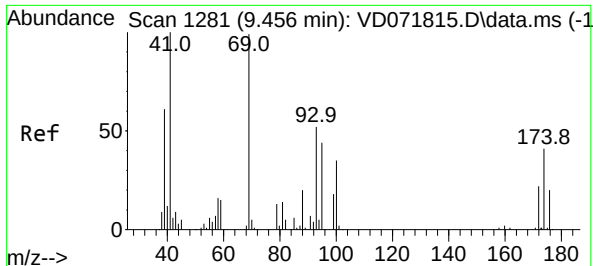
Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

121 0.0 24.5 36.7#

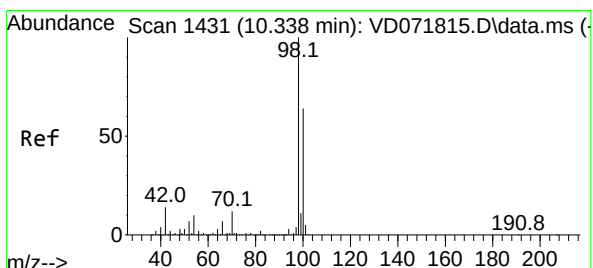
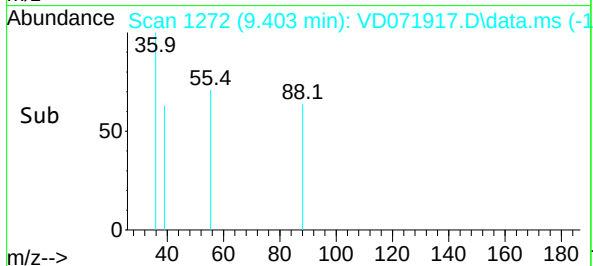
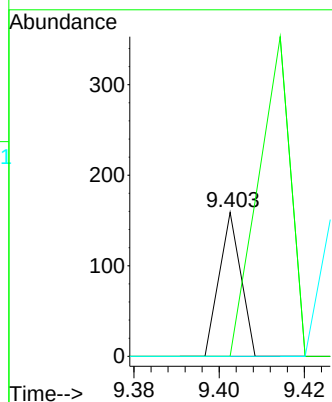
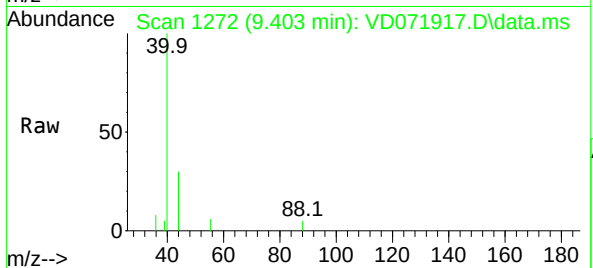




#49
1,4-Dioxane
Concen: 1.429 ug/l
RT: 9.403 min Scan# 11
Delta R.T. -0.059 min
Lab File: VD071917.D
Acq: 08 Feb 2022 14:52

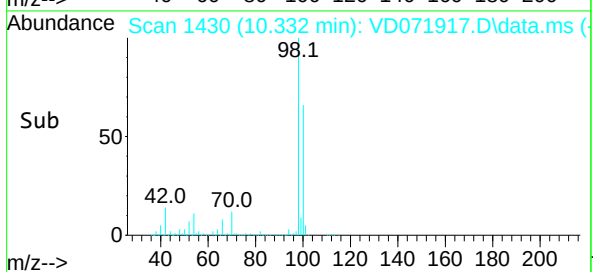
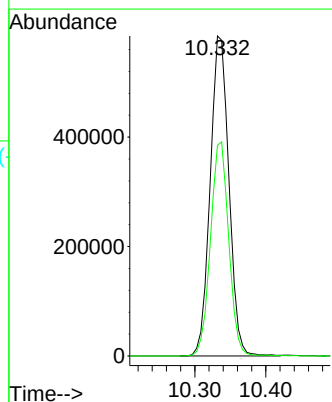
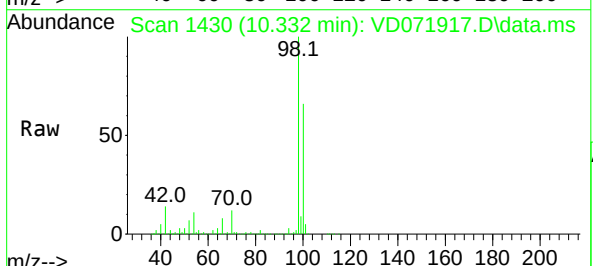
Instrument :
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DB-10(22-25)-02-04-22

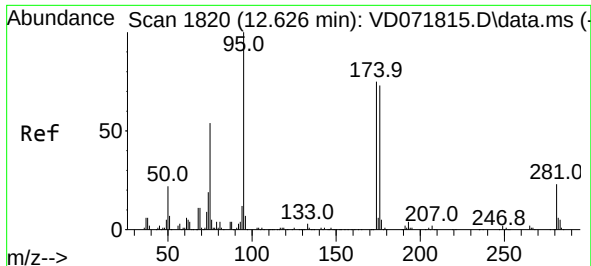
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 330.4 31.0 46.4#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 52.124 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071917.D
Acq: 08 Feb 2022 14:52

Tgt Ion: 98 Resp: 1068163
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

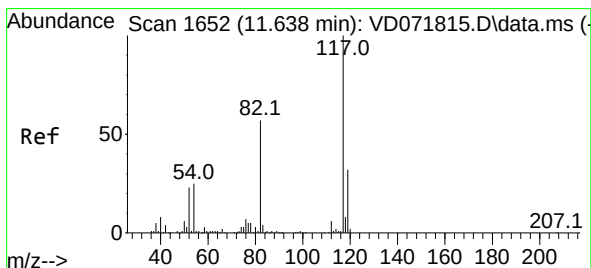
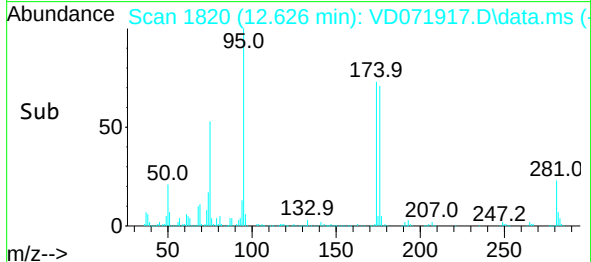
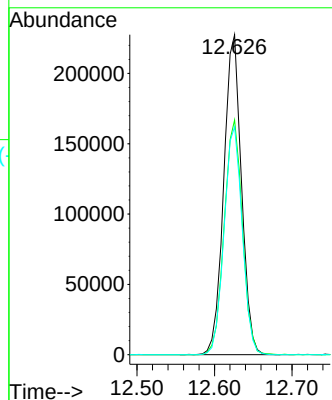
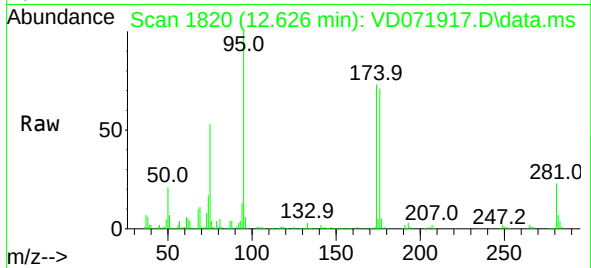




#62
4-Bromofluorobenzene
Concen: 50.431 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD071917.D
Acq: 08 Feb 2022 14:52

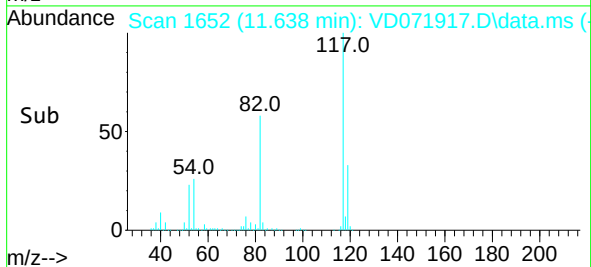
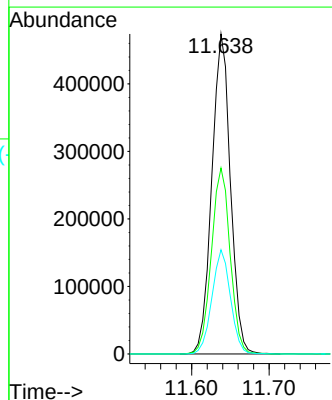
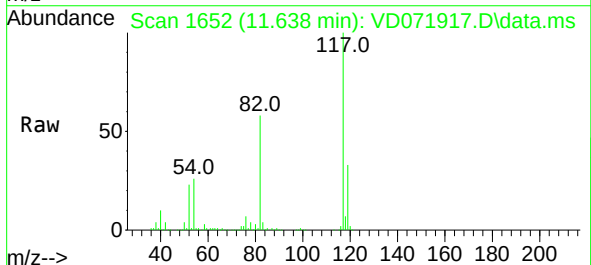
Instrument :
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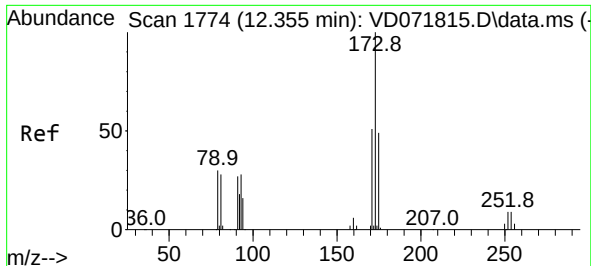
Tgt Ion: 95 Resp: 360902
Ion Ratio Lower Upper
95 100
174 75.4 0.0 152.8
176 72.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD071917.D
Acq: 08 Feb 2022 14:52

Tgt Ion: 117 Resp: 792789
Ion Ratio Lower Upper
117 100
82 58.1 45.3 67.9
119 32.6 26.6 40.0

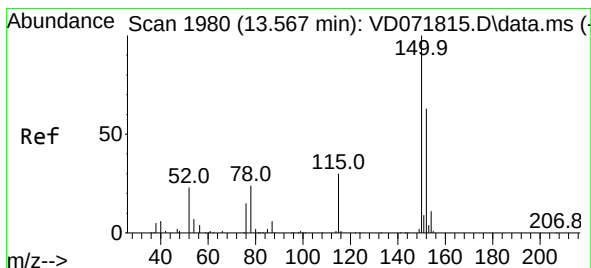
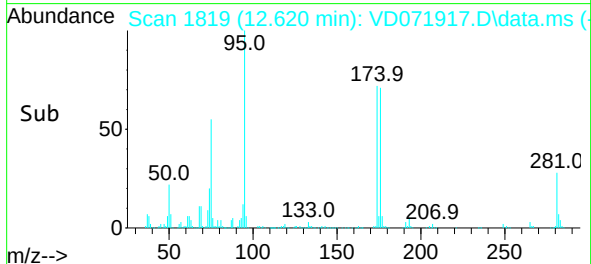
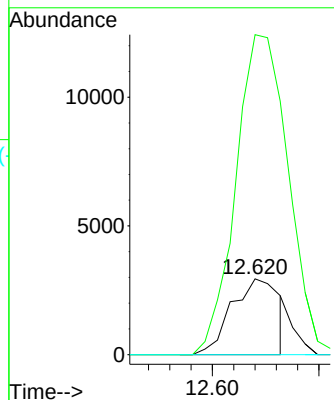
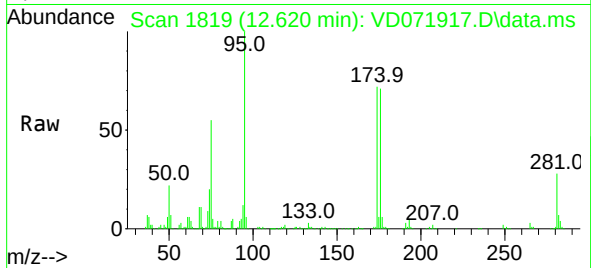




#71
Bromoform
Concen: 1.405 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.265 min
Lab File: VD071917.D
Acq: 08 Feb 2022 14:52

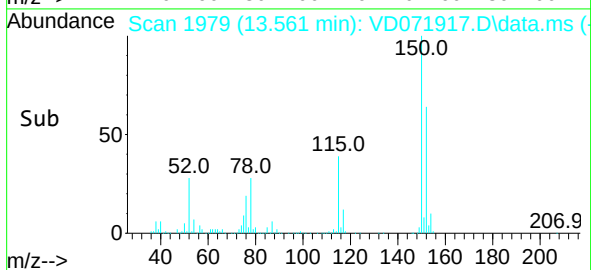
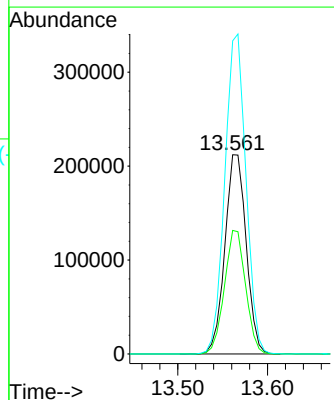
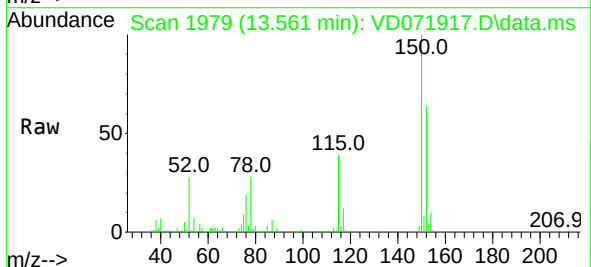
Instrument :
MSVOA_D
ClientSampleId :
DB-10(22-25)-02-04-22

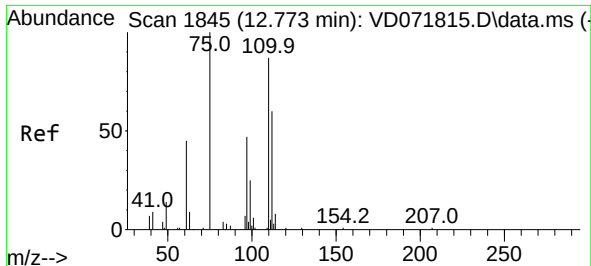
Tgt Ion:173 Resp: 4576
Ion Ratio Lower Upper
173 100
175 394.8 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071917.D
Acq: 08 Feb 2022 14:52

Tgt Ion:152 Resp: 349941
Ion Ratio Lower Upper
152 100
115 61.6 31.3 93.8
150 159.2 0.0 348.6

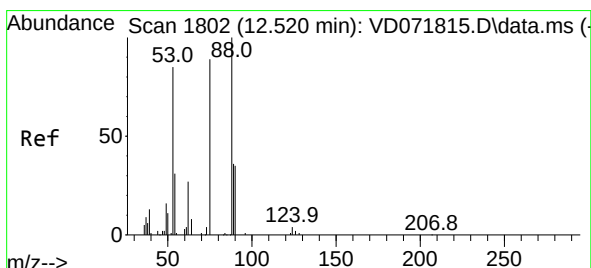
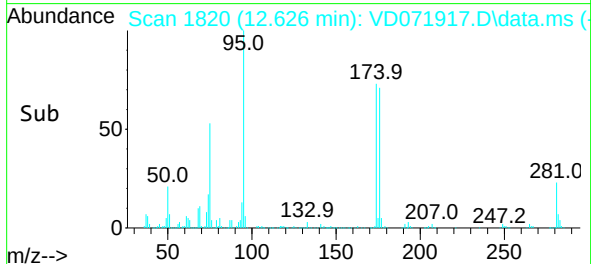
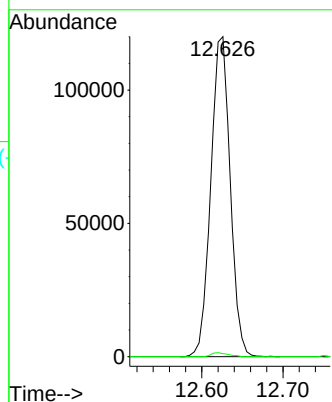
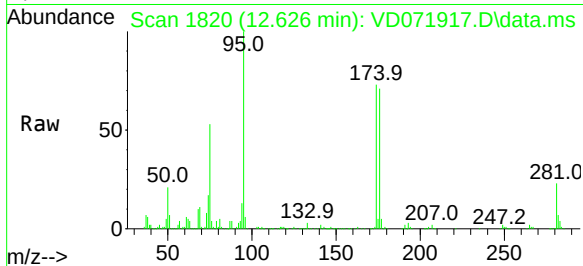




#76
1,2,3-Trichloropropane
Concen: 54.013 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071917.D
Acq: 08 Feb 2022 14:52

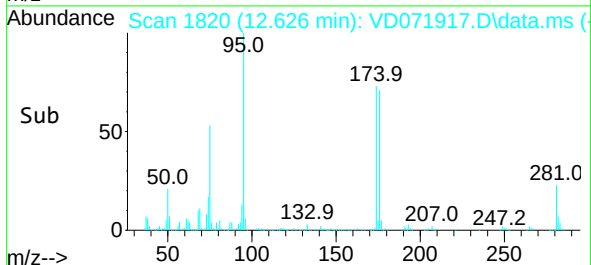
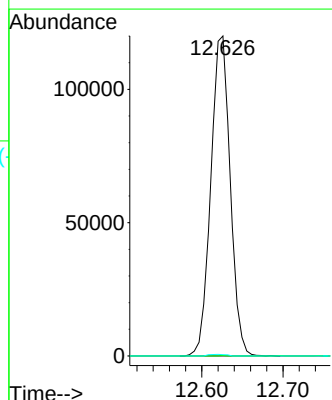
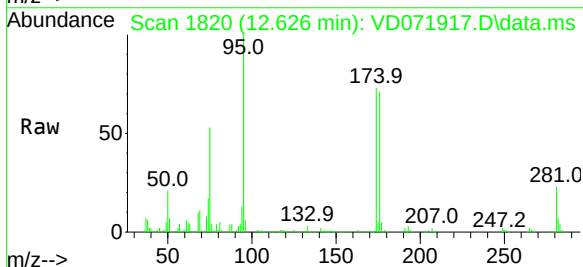
Instrument :
MSVOA_D
ClientSampleId :
DB-10(22-25)-02-04-22

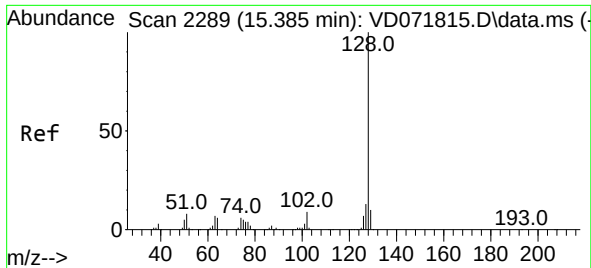
Tgt Ion: 75 Resp: 199198
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.806 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071917.D
Acq: 08 Feb 2022 14:52

Tgt Ion: 75 Resp: 199198
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.4 33.9 50.9#





#95

Naphthalene

Concen: 1.720 ug/l

RT: 15.385 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD071917.D

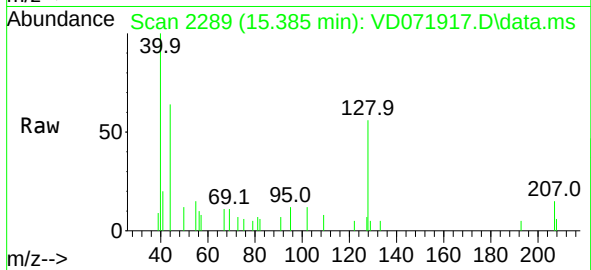
Acq: 08 Feb 2022 14:52

Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion:	128	Resp:	3333
Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.3	15.5#
129	11.9	8.4	12.6

