

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071416.D
 Acq On : 21 Dec 2021 17:49
 Operator : VA/SY
 Sample : M5182-08
 Misc : 7.16G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HB-1-(18.5-23.5)-12-17-21

Quant Time: Dec 21 19:10:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	3609	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	6102	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	5961	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	1960	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	3056	72.165	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.320%	
35) Dibromofluoromethane	7.908	113	2057	52.938	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.880%	
50) Toluene-d8	10.332	98	7296	49.340	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.680%	
62) 4-Bromofluorobenzene	12.632	95	2473	48.247	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.500%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.167	85	80	2.599	ug/l #	44
3) Chloromethane	2.285	50	77	1.891	ug/l #	42
5) Bromomethane	2.803	94	55	1.680	ug/l #	3
6) Chloroethane	2.962	64	198	6.337	ug/l #	39
8) Diethyl Ether	3.873	74	68	4.076	ug/l #	1
13) Acrolein	3.720	56	73	25.226	ug/l #	1
14) Allyl chloride	4.744	41	135	2.121	ug/l #	28
15) Acrylonitrile	5.391	53	83	10.230	ug/l #	21
16) Acetone	4.156	43	367	59.413	ug/l #	40
18) Methyl Acetate	4.761	43	125	4.001	ug/l #	51
20) Methylene Chloride	4.950	84	64	Below Cal	#	48
21) trans-1,2-Dichloroethene	5.485	96	61	1.617	ug/l #	1
23) Vinyl Acetate	6.273	43	127	28.860	ug/l #	72
25) 2-Butanone	7.214	43	209	42.626	ug/l #	45
27) cis-1,2-Dichloroethene	7.197	96	164	3.844	ug/l #	73
28) Bromochloromethane	7.320	49	72	2.260	ug/l #	14
29) Tetrahydrofuran	7.514	42	80	11.897	ug/l #	34
31) Cyclohexane	8.132	56	111	1.541	ug/l #	19
32) 1,1,1-Trichloroethane	7.667	97	102	1.544	ug/l #	25
36) 1,1-Dichloropropene	7.991	75	213	3.735	ug/l #	41
37) Ethyl Acetate	7.214	43	209	8.484	ug/l #	1
38) Carbon Tetrachloride	7.979	117	361	6.421	ug/l #	12
41) Methacrylonitrile	7.555	41	64	Below Cal	#	1
43) Isopropyl Acetate	8.491	43	56	6.148	ug/l #	47
44) Trichloroethene	9.108	130	62	1.501	ug/l	1
45) 1,2-Dichloropropane	9.608	63	61	1.497	ug/l #	44
48) Methyl methacrylate	9.520	41	137	5.681	ug/l #	32
51) 4-Methyl-2-Pentanone	10.267	43	77	33.084	ug/l #	34
53) t-1,3-Dichloropropene	10.808	75	55	1.070	ug/l #	44
54) cis-1,3-Dichloropropene	10.161	75	77	1.261	ug/l #	39
55) 1,1,2-Trichloroethane	10.685	97	959	34.586	ug/l #	16
57) 1,3-Dichloropropane	11.079	76	82	1.683	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.802	63	56	2.968	ug/l #	49
59) 2-Hexanone	11.049	43	283	46.224	ug/l	63
60) Dibromochloromethane	11.161	129	55	1.596	ug/l #	11
64) Tetrachloroethene	10.873	164	269	7.108	ug/l #	41

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

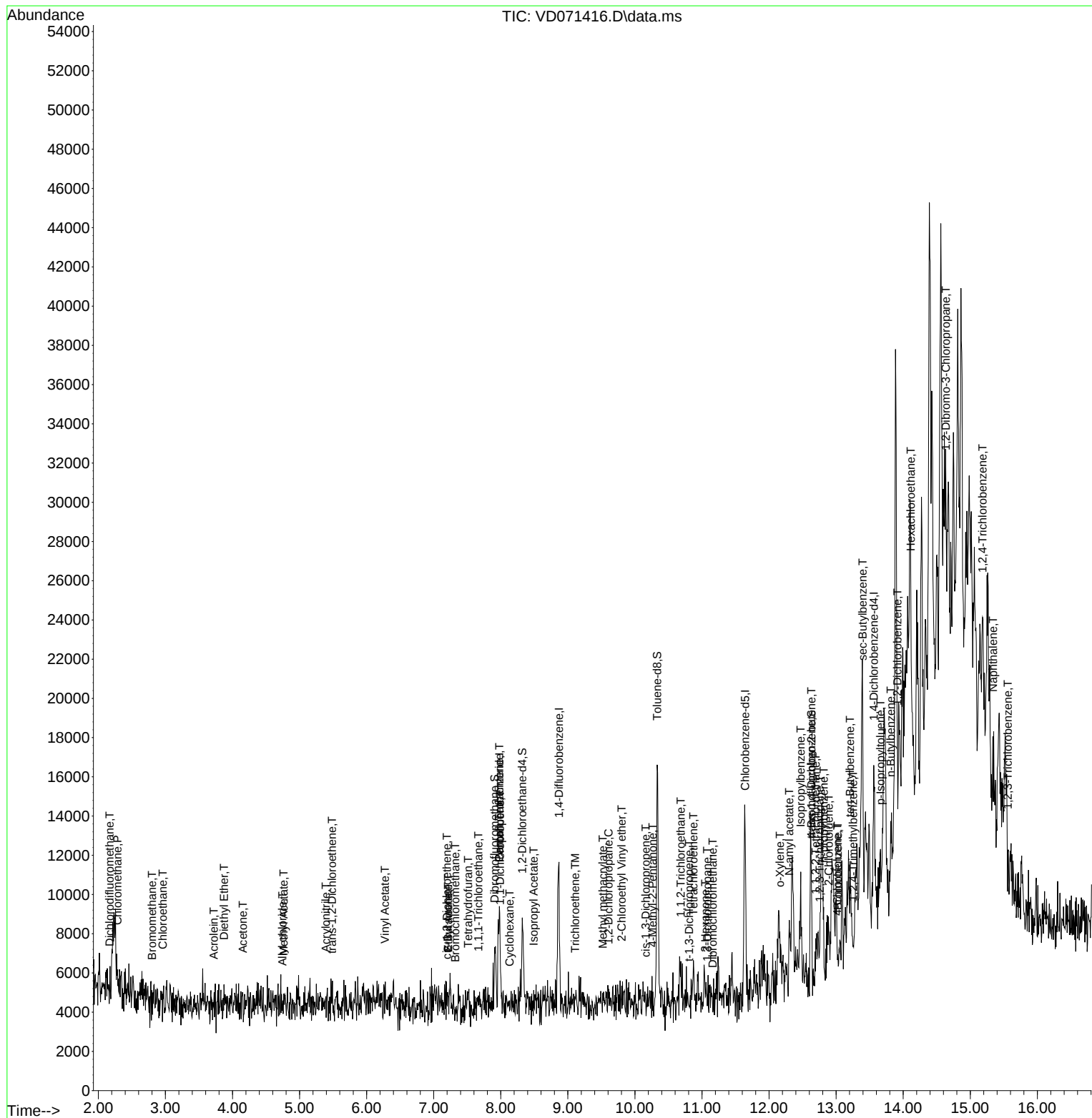
69) o-Xylene	12.161	106	80	1.083	ug/l #	1
73) Isopropylbenzene	12.473	105	2154	15.178	ug/l	83
74) N-amyl acetate	12.302	43	174	9.669	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.696	83	53	2.268	ug/l #	50
76) 1,2,3-Trichloropropane	12.755	75	69	3.695	ug/l #	1
77) Bromobenzene	13.026	156	82	2.668	ug/l #	1
78) n-propylbenzene	12.814	91	2056	11.633	ug/l	84
79) 2-Chlorotoluene	12.890	91	126	1.270	ug/l #	42
81) trans-1,4-Dichloro-2-b...	12.632	75	1534	175.722	ug/l #	18
82) 4-Chlorotoluene	13.020	91	106	1.029	ug/l #	42
83) tert-Butylbenzene	13.208	119	407	4.050	ug/l	77
84) 1,2,4-Trimethylbenzene	13.255	105	250	2.188	ug/l #	31
85) sec-Butylbenzene	13.396	105	6740	43.907	ug/l #	77
86) p-Isopropyltoluene	13.661	119	1283	10.219	ug/l #	77
89) n-Butylbenzene	13.814	91	688	5.613	ug/l #	82
90) Hexachloroethane	14.114	117	762	32.016	ug/l #	14
91) 1,2-Dichlorobenzene	13.914	146	61	1.172	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.637	75	62	16.290	ug/l #	4
93) 1,2,4-Trichlorobenzene	15.184	180	96	2.958	ug/l #	1
95) Naphthalene	15.337	128	58	1.014	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.561	180	55	1.995	ug/l #	13

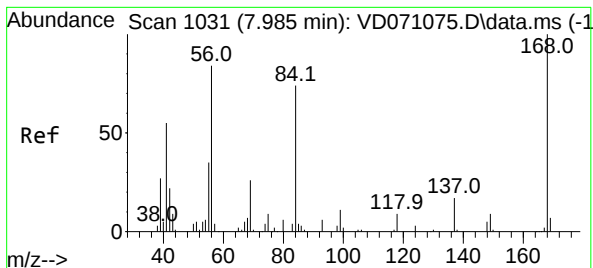
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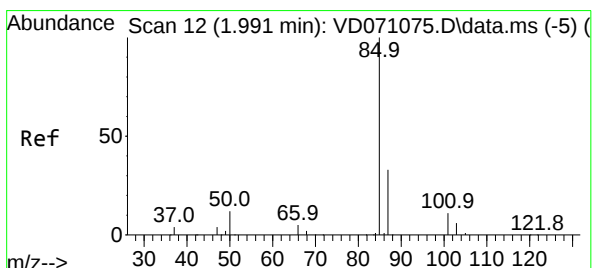
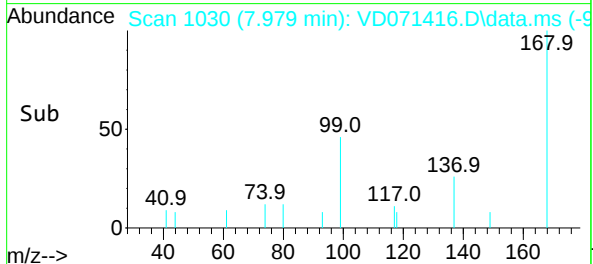
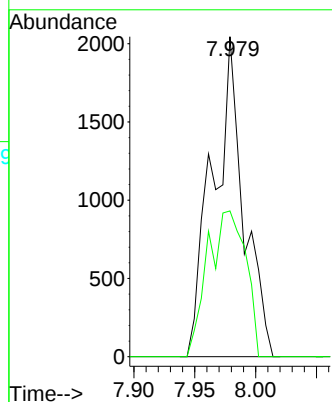
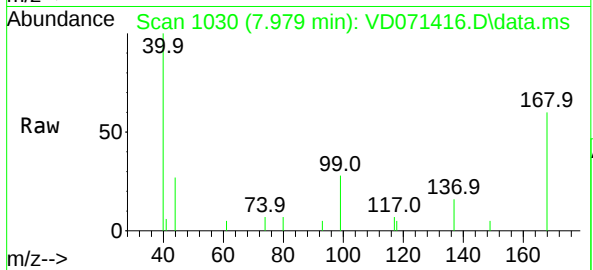




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

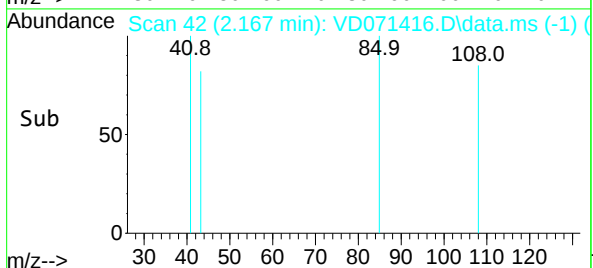
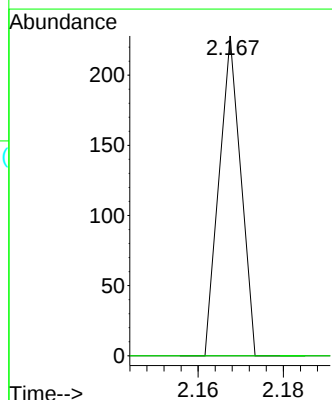
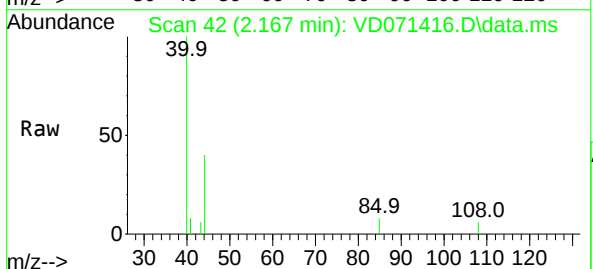
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ClientSampleId :
HB-1-(18.5-23.5)-12-17-21

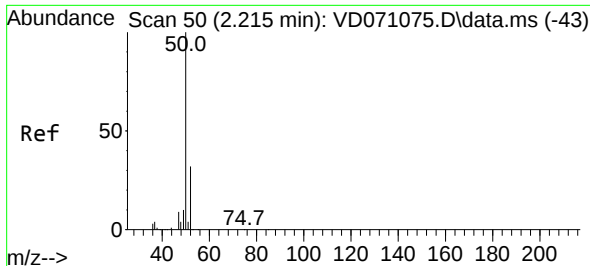
Tgt Ion:168 Resp: 3609
Ion Ratio Lower Upper
168 100
99 45.6 46.6 69.8#



#2
Dichlorodifluoromethane
Concen: 2.599 ug/l
RT: 2.167 min Scan# 42
Delta R.T. 0.176 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 85 Resp: 80
Ion Ratio Lower Upper
85 100
87 0.0 15.2 45.6#

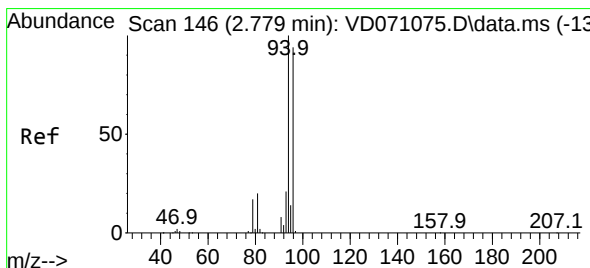
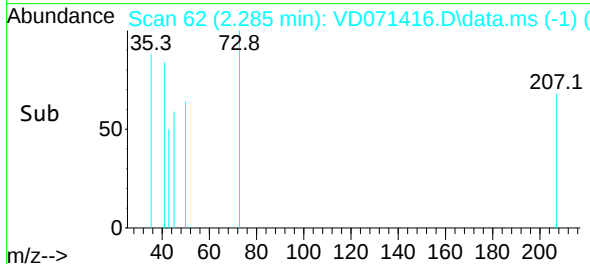
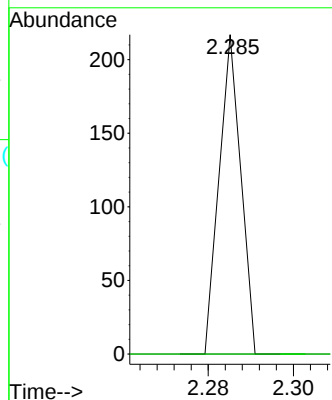
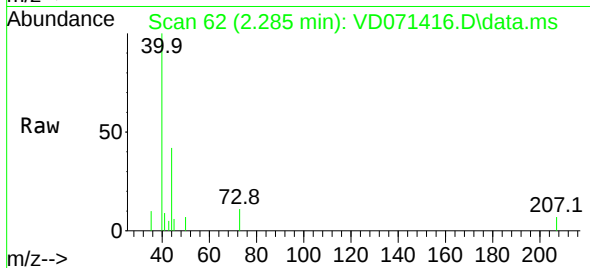




#3
Chloromethane
Concen: 1.891 ug/l
RT: 2.285 min Scan# 61
Delta R.T. 0.070 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

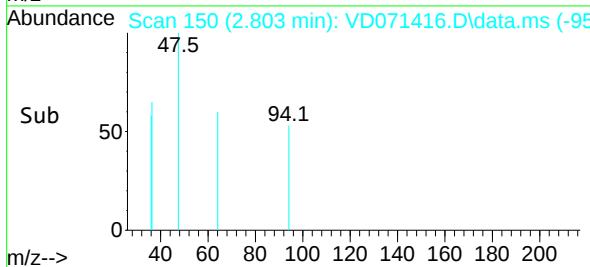
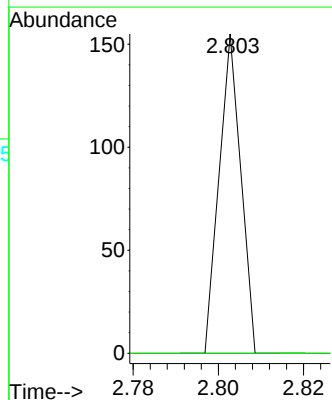
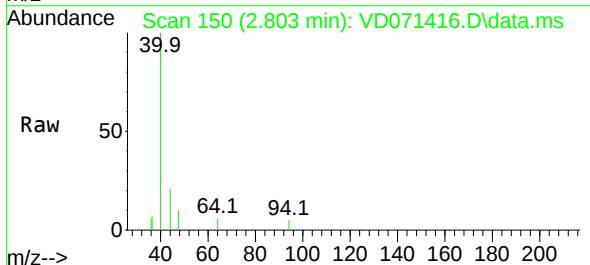
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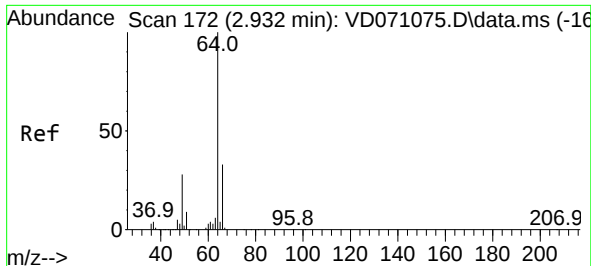
Tgt Ion: 50 Resp: 77
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



#5
Bromomethane
Concen: 1.680 ug/l
RT: 2.803 min Scan# 150
Delta R.T. 0.024 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 94 Resp: 55
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

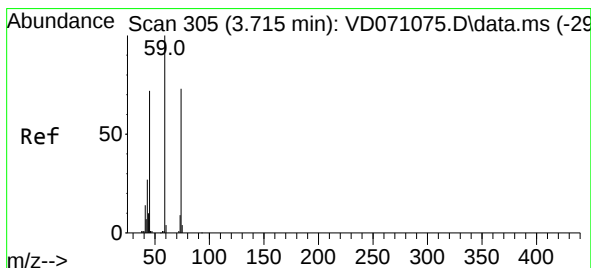
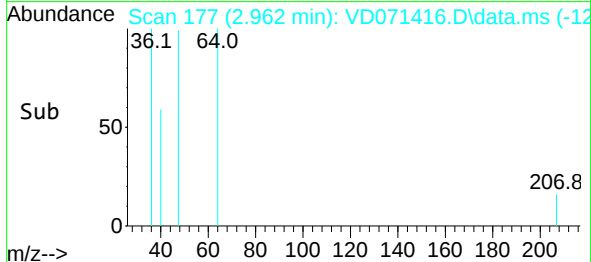
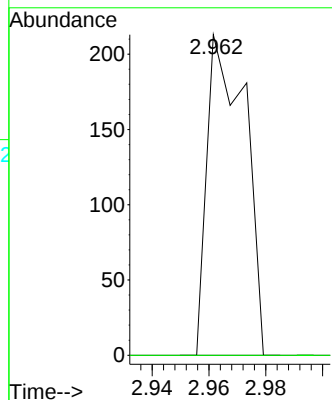
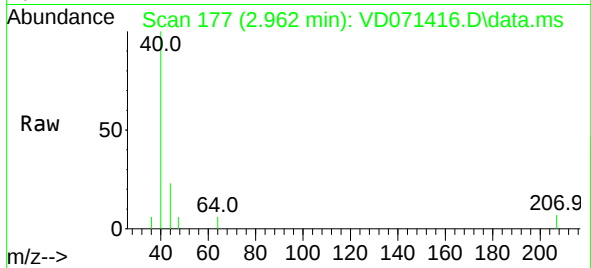




#6
Chloroethane
Concen: 6.337 ug/l
RT: 2.962 min Scan# 11
Delta R.T. 0.030 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

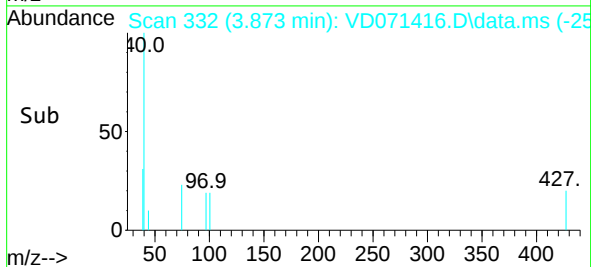
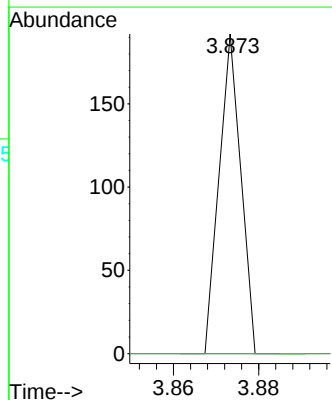
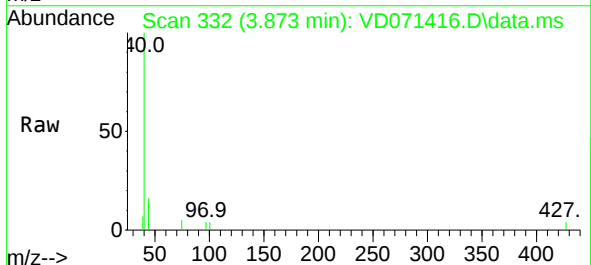
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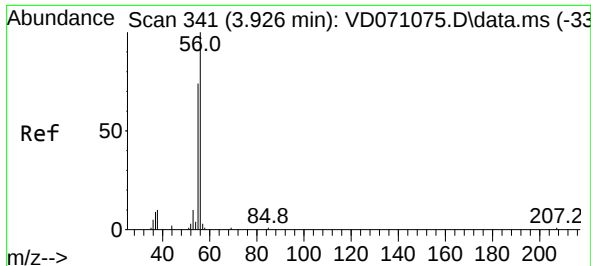
Tgt Ion: 64 Resp: 198
Ion Ratio Lower Upper
64 100
66 0.0 29.0 43.4#



#8
Diethyl Ether
Concen: 4.076 ug/l
RT: 3.873 min Scan# 332
Delta R.T. 0.158 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 74 Resp: 68
Ion Ratio Lower Upper
74 100
45 0.0 49.6 149.0#

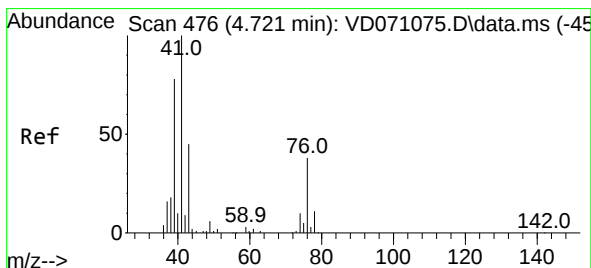
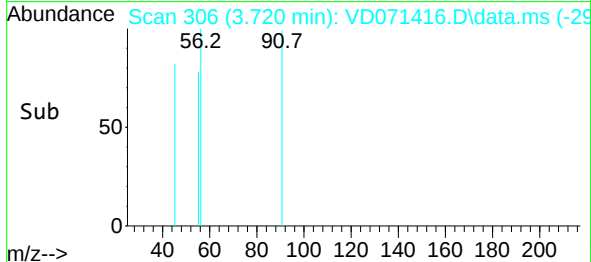
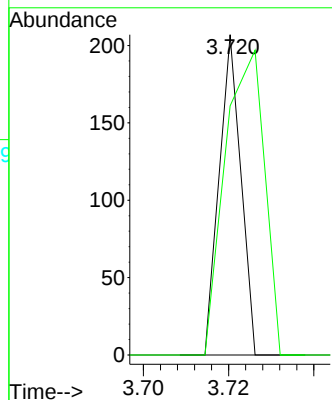
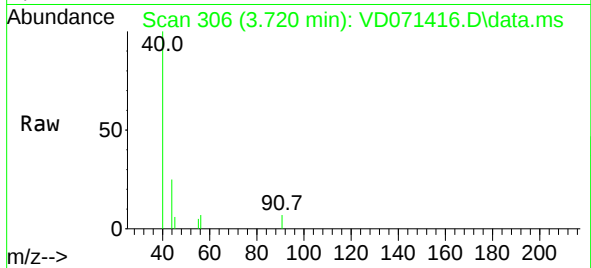




#13
Acrolein
Concen: 25.226 ug/l
RT: 3.720 min Scan# 306
Delta R.T. -0.206 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

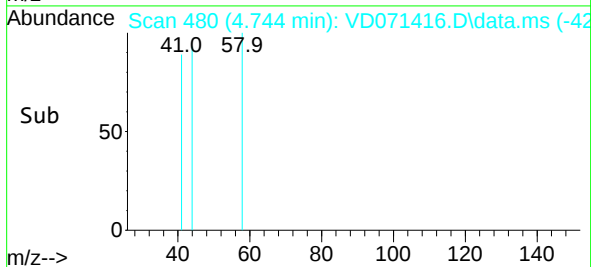
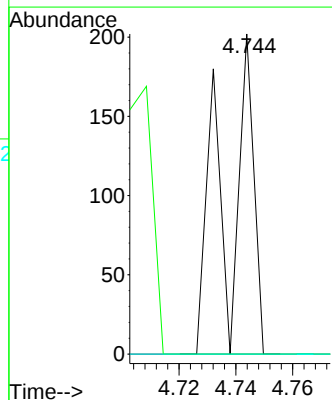
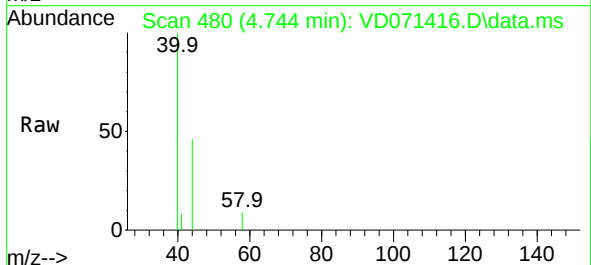
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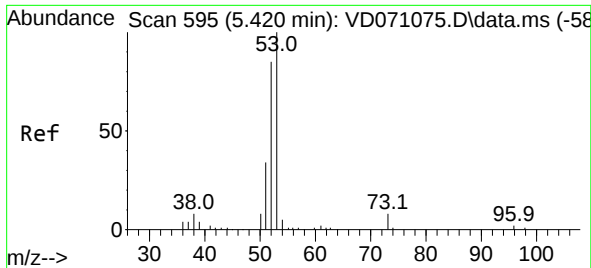
Tgt Ion: 56 Resp: 73
Ion Ratio Lower Upper
56 100
55 172.6 58.6 87.8#



#14
Allyl chloride
Concen: 2.121 ug/l
RT: 4.744 min Scan# 480
Delta R.T. 0.023 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 41 Resp: 135
Ion Ratio Lower Upper
41 100
39 0.0 45.6 68.4#
76 0.0 30.2 45.4#

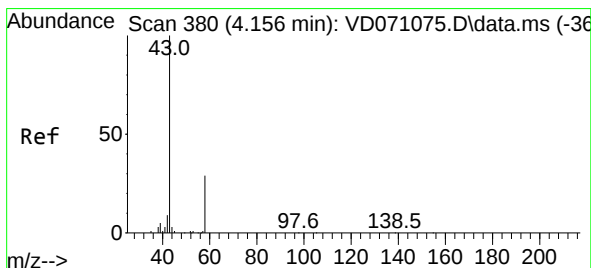
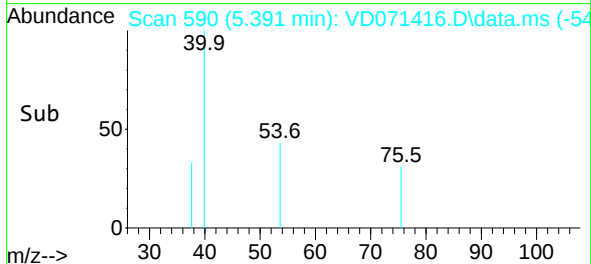
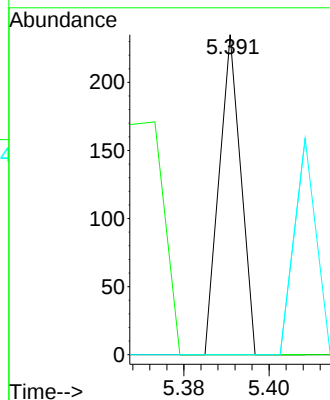
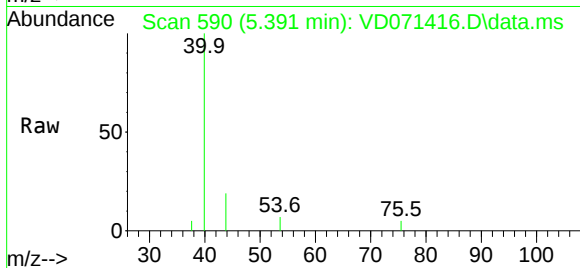




#15
Acrylonitrile
Concen: 10.230 ug/l
RT: 5.391 min Scan# 51
Delta R.T. -0.029 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

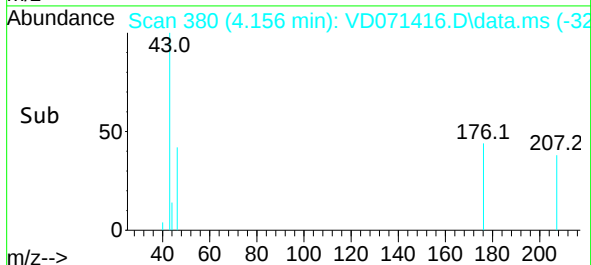
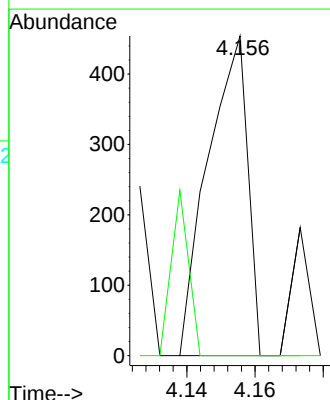
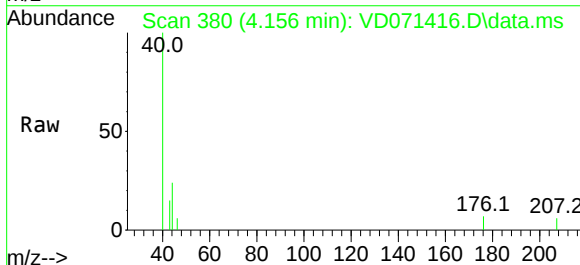
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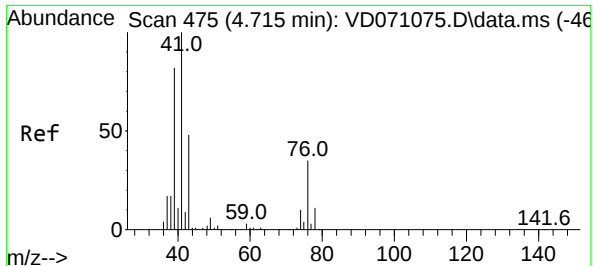
Tgt Ion: 53 Resp: 83
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 67.5 28.5 42.7#



#16
Acetone
Concen: 59.413 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 43 Resp: 367
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

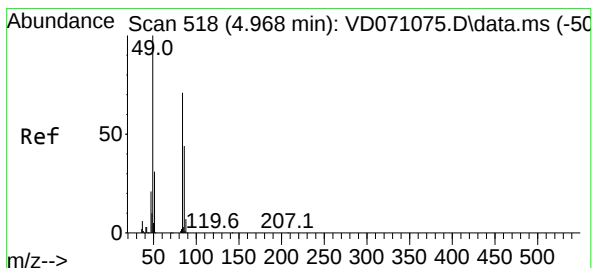
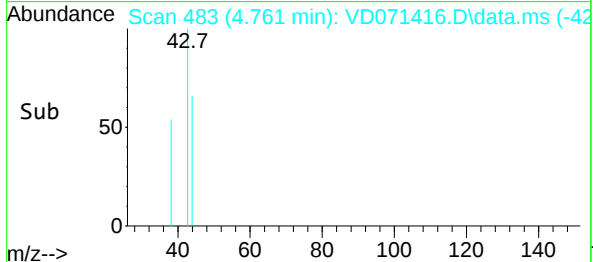
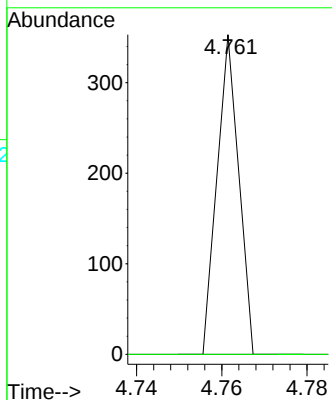
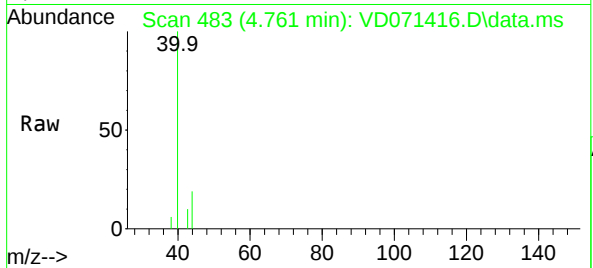




#18
Methyl Acetate
Concen: 4.001 ug/l
RT: 4.761 min Scan# 41
Delta R.T. 0.046 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

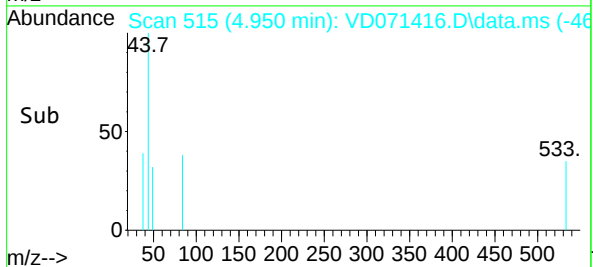
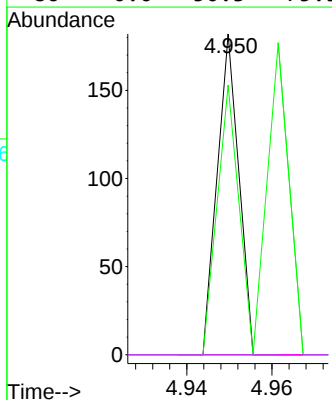
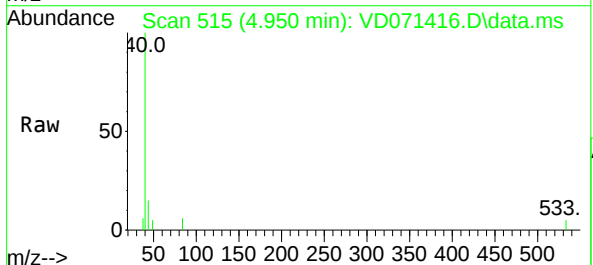
Instrument :
MSVOA_D
ClientSampleId :
HB-1-(18.5-23.5)-12-17-21

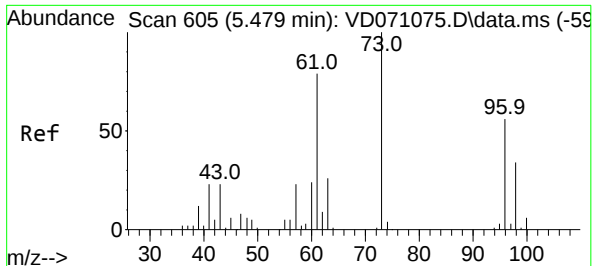
Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.018 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 84 Resp: 64
Ion Ratio Lower Upper
84 100
49 84.1 95.8 143.6#
51 0.0 30.9 46.3#
86 0.0 50.3 75.5#

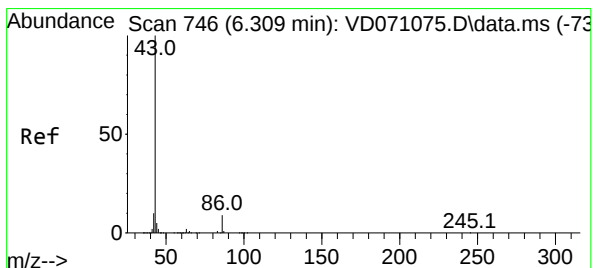
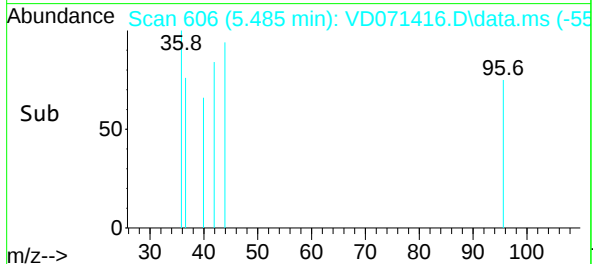
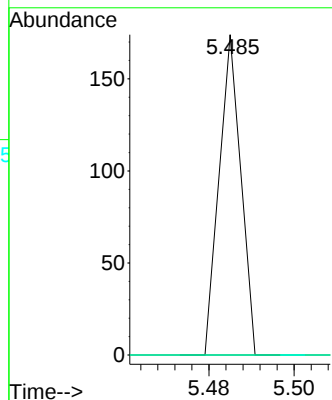
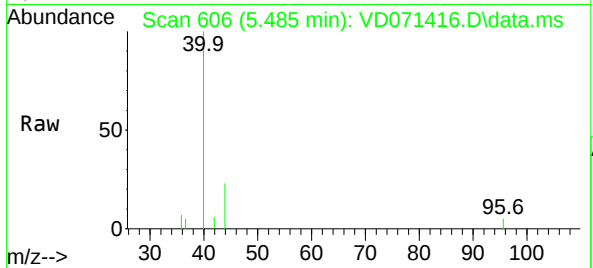




#21
trans-1,2-Dichloroethene
Concen: 1.617 ug/l
RT: 5.485 min Scan# 605
Delta R.T. 0.006 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

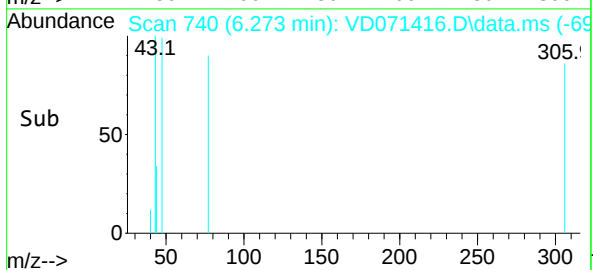
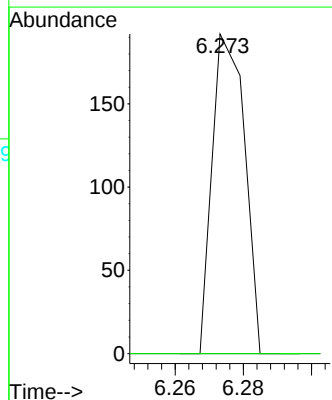
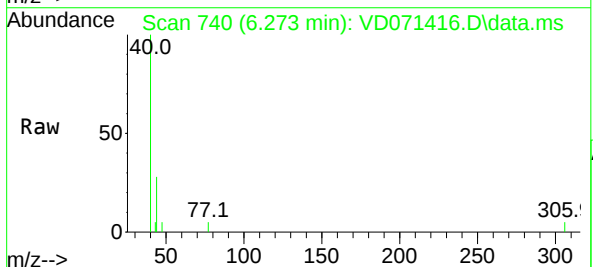
Instrument :
MSVOA_D
ClientSampleId :
HB-1-(18.5-23.5)-12-17-21

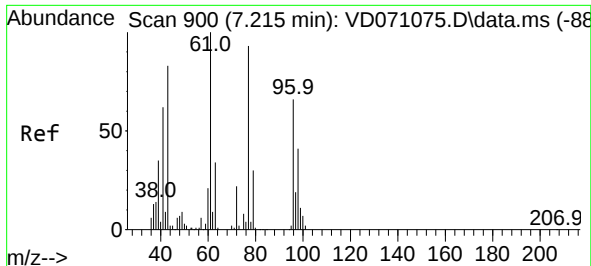
Tgt Ion: 96 Resp: 61
Ion Ratio Lower Upper
96 100
61 0.0 102.1 153.1#
98 0.0 50.1 75.1#



#23
Vinyl Acetate
Concen: 28.860 ug/l
RT: 6.273 min Scan# 740
Delta R.T. -0.036 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

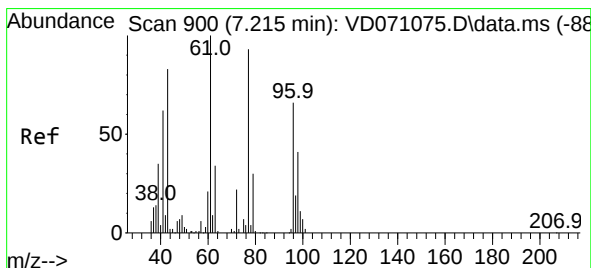
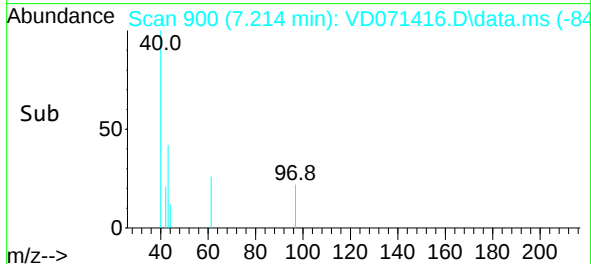
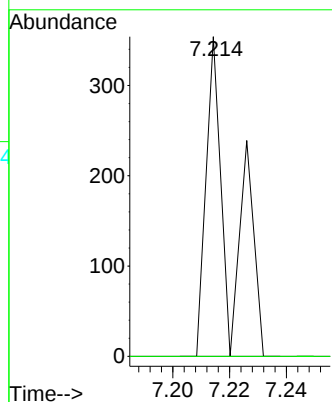
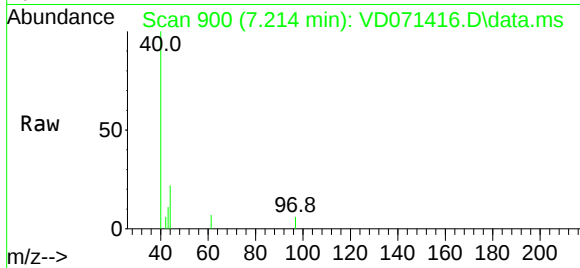




#25
2-Butanone
Concen: 42.626 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.001 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

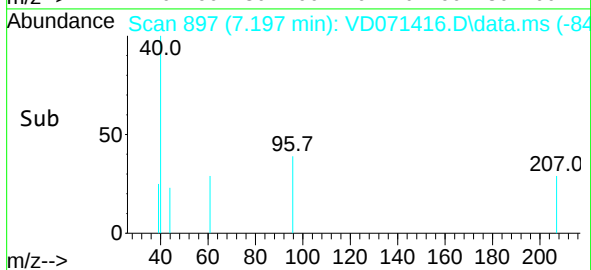
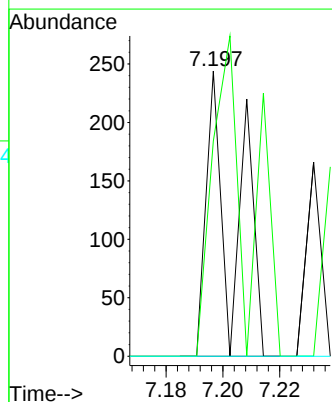
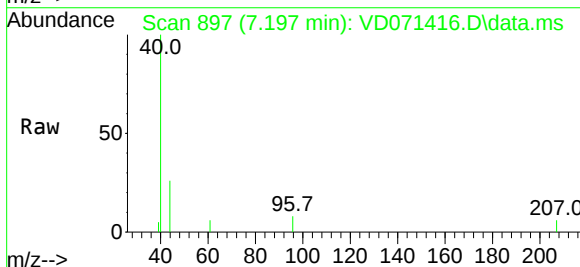
Instrument :
MSVOA_D
ClientSampleId :
HB-1-(18.5-23.5)-12-17-21

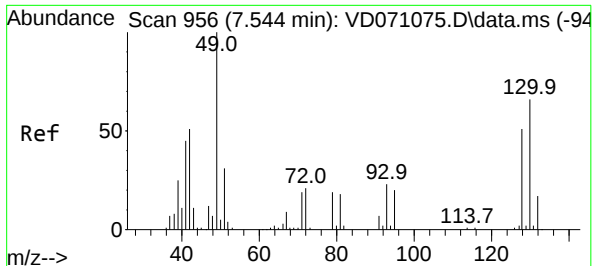
Tgt Ion: 43 Resp: 209
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#27
cis-1,2-Dichloroethene
Concen: 3.844 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 96 Resp: 164
Ion Ratio Lower Upper
96 100
61 147.0 0.0 288.6
98 0.0 0.0 129.2

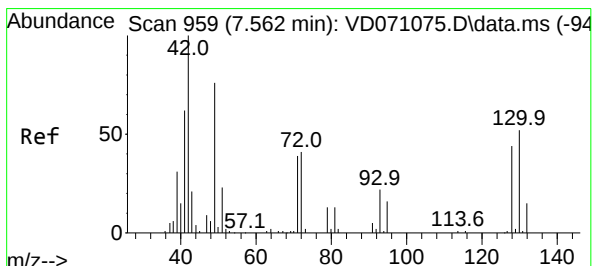
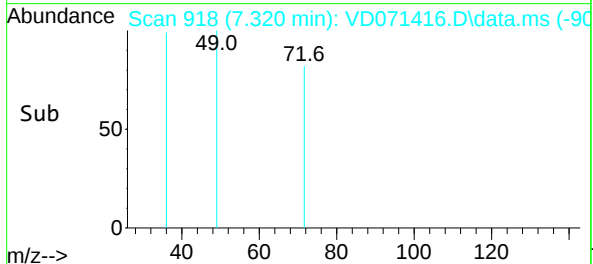
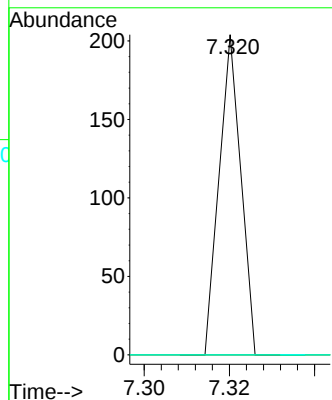
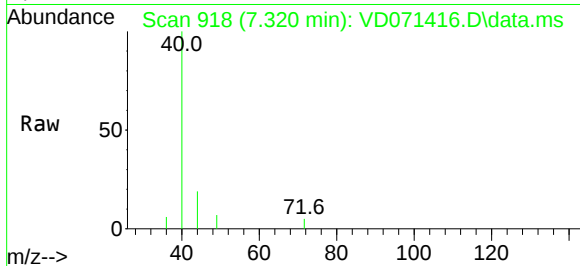




#28
Bromochloromethane
Concen: 2.260 ug/l
RT: 7.320 min Scan# 91
Delta R.T. -0.224 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

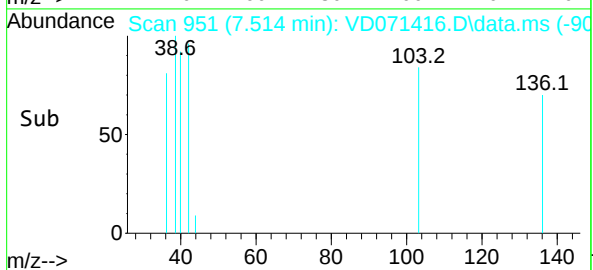
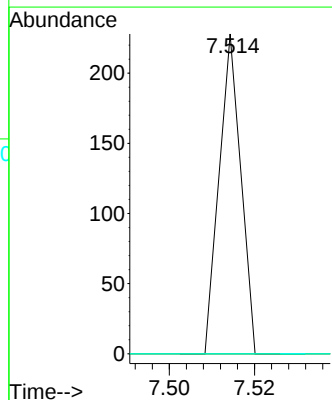
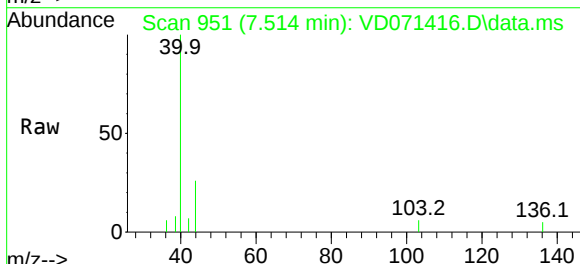
Instrument :
MSVOA_D
ClientSampleId :
HB-1-(18.5-23.5)-12-17-21

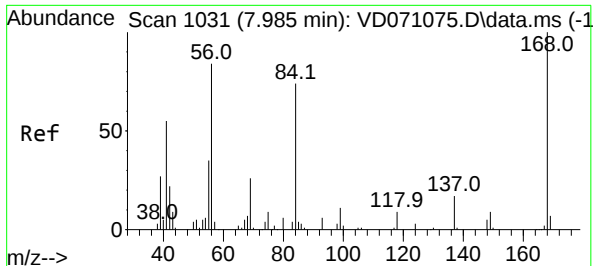
Tgt Ion: 49 Resp: 72
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 60.2 90.2#



#29
Tetrahydrofuran
Concen: 11.897 ug/l
RT: 7.514 min Scan# 951
Delta R.T. -0.048 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

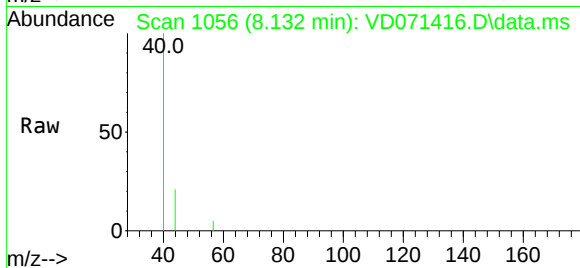
Tgt Ion: 42 Resp: 80
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#



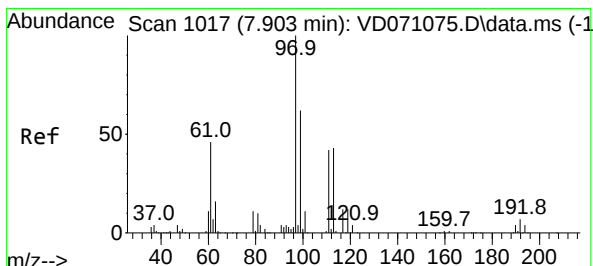
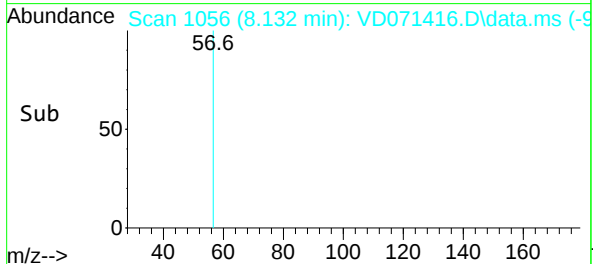
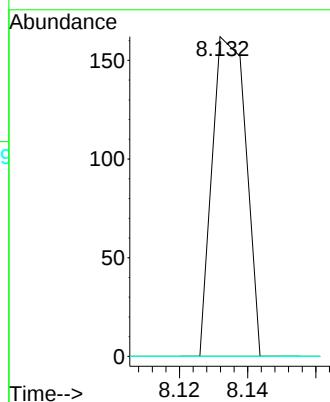


#31
Cyclohexane
Concen: 1.541 ug/l
RT: 8.132 min Scan# 111
Delta R.T. 0.147 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Instrument :
MSVOA_D
ClientSampleId :
HB-1-(18.5-23.5)-12-17-21

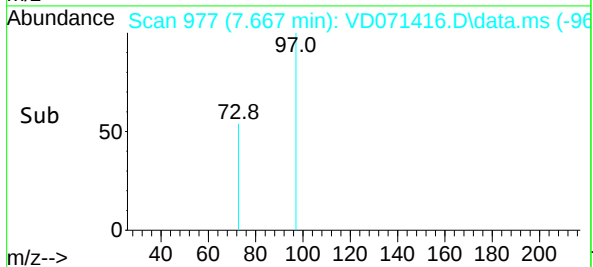
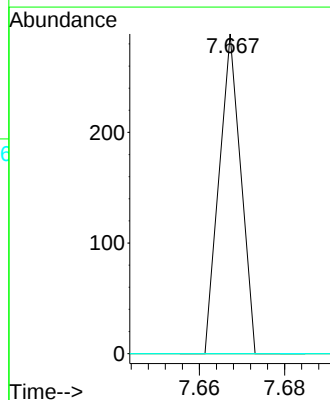
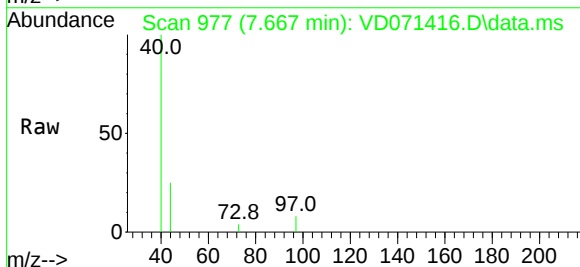


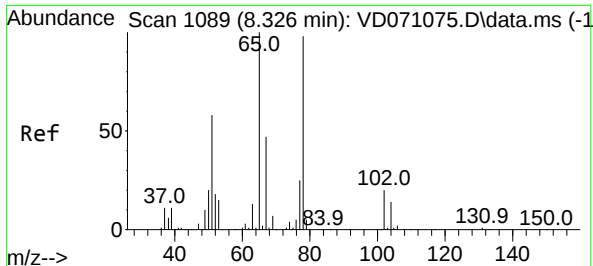
Tgt Ion: 56 Resp: 111
Ion Ratio Lower Upper
56 100
69 0.0 25.9 38.9#
84 0.0 64.3 96.5#



#32
1,1,1-Trichloroethane
Concen: 1.544 ug/l
RT: 7.667 min Scan# 977
Delta R.T. -0.236 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 97 Resp: 102
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 0.0 33.0 49.4#





#33

1,2-Dichloroethane-d4

Concen: 72.165 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. -0.006 min

Lab File: VD071416.D

Acq: 21 Dec 2021 17:49

Instrument :

MSVOA_D

ClientSampleId :

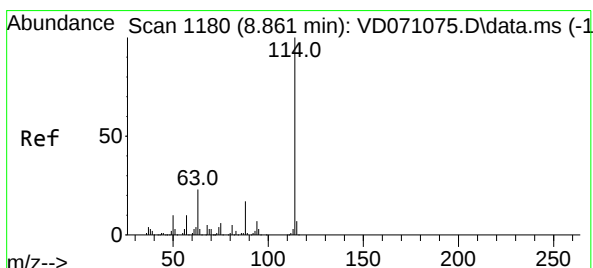
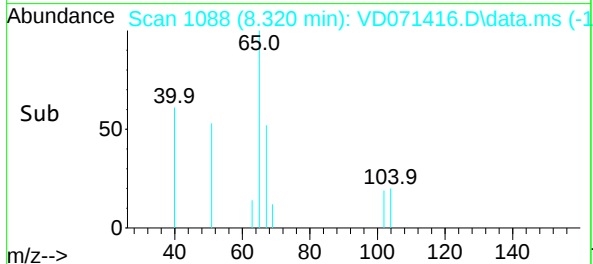
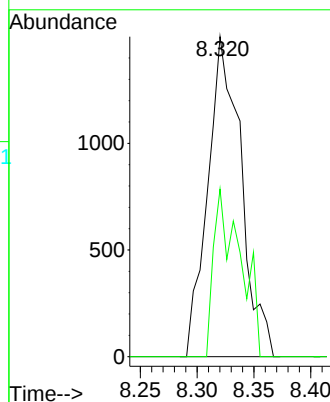
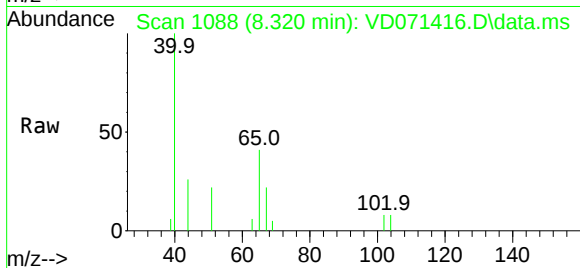
HB-1-(18.5-23.5)-12-17-21

Tgt Ion: 65 Resp: 3056

Ion Ratio Lower Upper

65 100

67 42.0 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VD071416.D

Acq: 21 Dec 2021 17:49

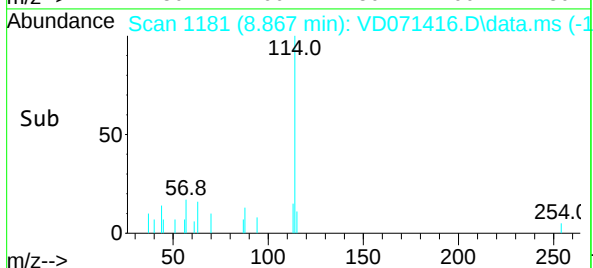
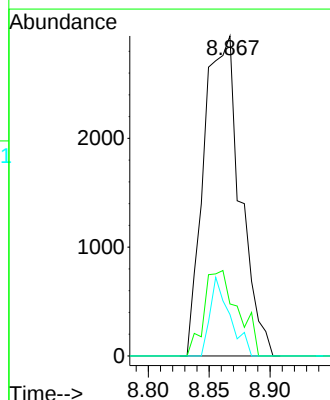
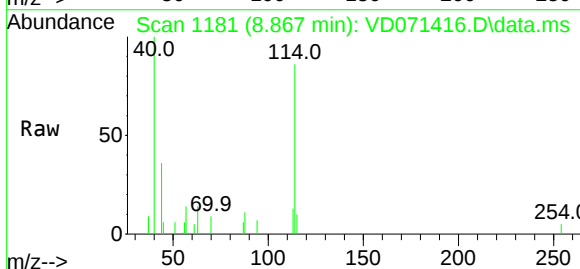
Tgt Ion: 114 Resp: 6102

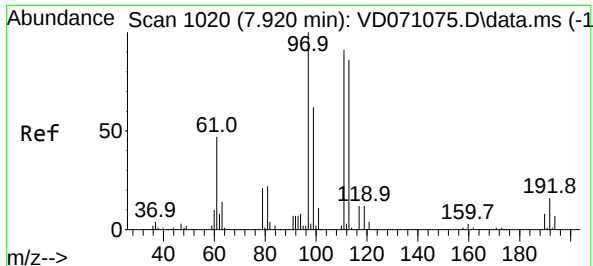
Ion Ratio Lower Upper

114 100

63 16.3 0.0 41.8

88 13.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.938 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.012 min

Lab File: VD071416.D

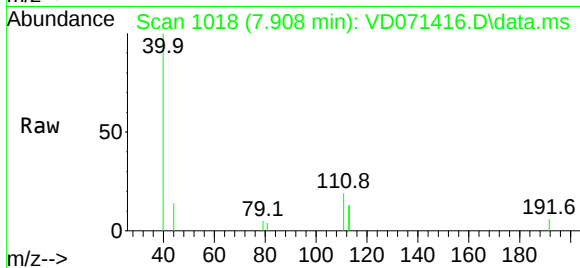
Acq: 21 Dec 2021 17:49

Instrument :

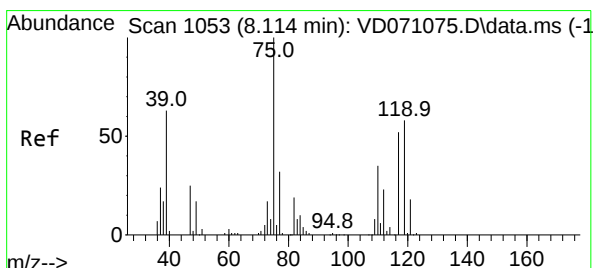
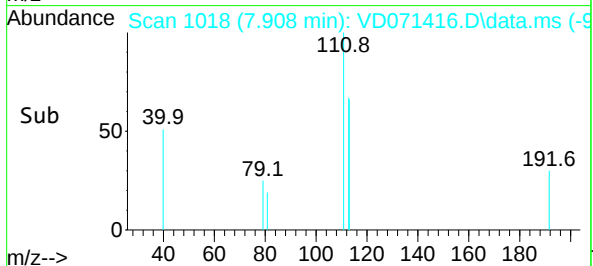
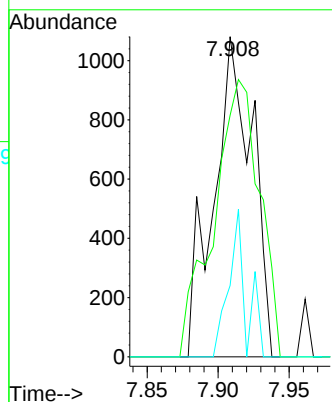
MSVOA_D

ClientSampleId :

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Tgt Ion:	113	Resp:	2057
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.0	123.0
192	20.3	15.2	22.8



#36

1,1-Dichloropropene

Concen: 3.735 ug/l

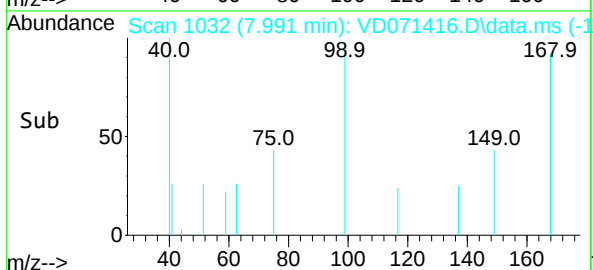
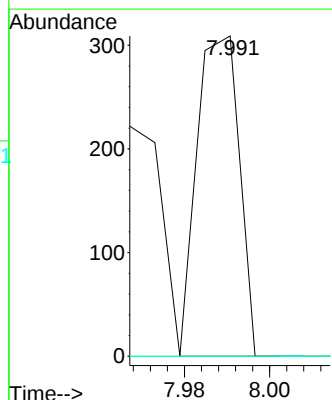
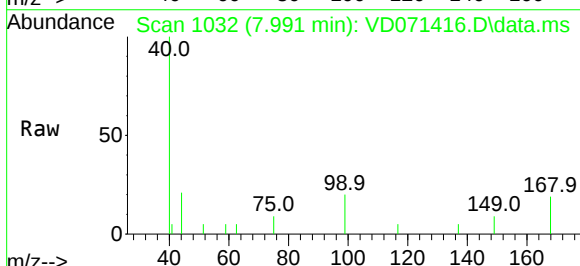
RT: 7.991 min Scan# 1032

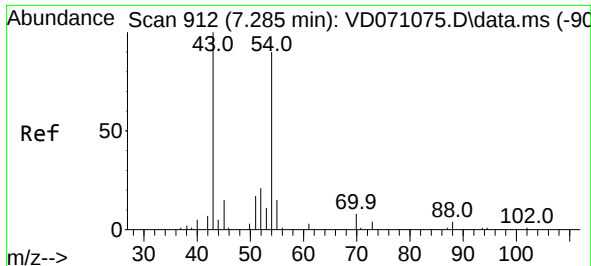
Delta R.T. -0.123 min

Lab File: VD071416.D

Acq: 21 Dec 2021 17:49

Tgt Ion:	75	Resp:	213
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#





#37

Ethyl Acetate

Concen: 8.484 ug/l

RT: 7.214 min Scan# 90

Delta R.T. -0.071 min

Lab File: VD071416.D

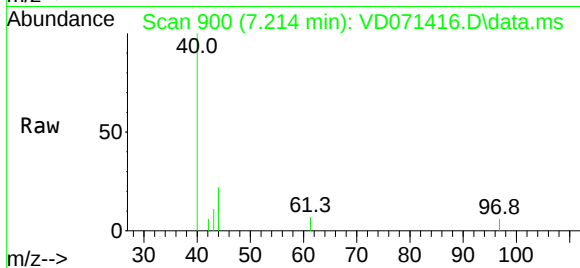
Acq: 21 Dec 2021 17:49

Instrument :

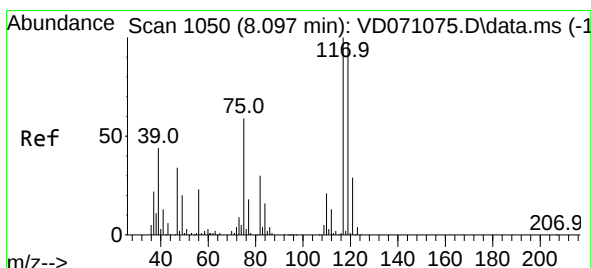
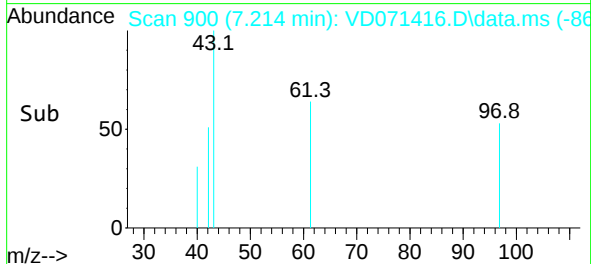
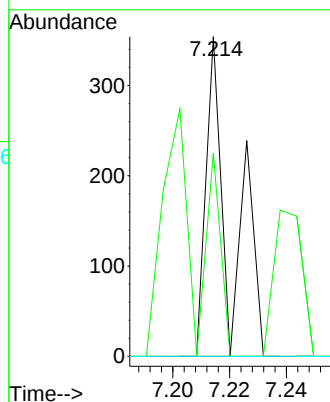
MSVOA_D

ClientSampleId :

HB-1-(18.5-23.5)-12-17-21



Tgt Ion: 43	Resp: 209
Ion Ratio	Lower Upper
43	100
61	115.3 13.0 19.6#
70	0.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 6.421 ug/l

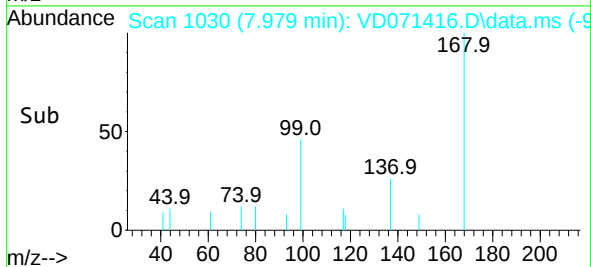
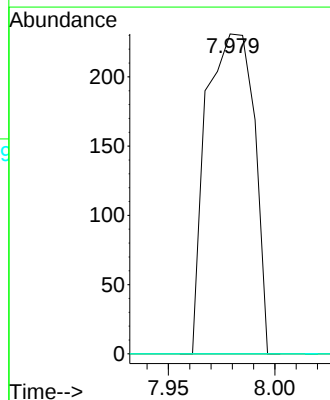
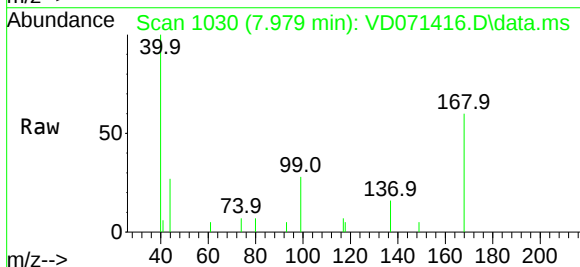
RT: 7.979 min Scan# 1030

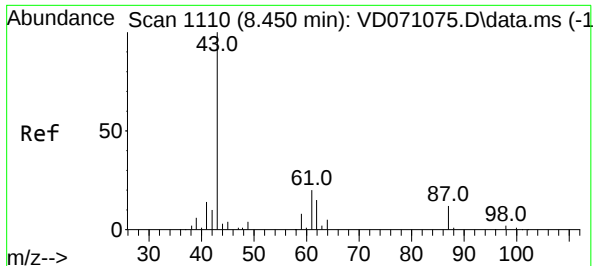
Delta R.T. -0.118 min

Lab File: VD071416.D

Acq: 21 Dec 2021 17:49

Tgt Ion: 117	Resp: 361
Ion Ratio	Lower Upper
117	100
119	0.0 75.8 113.6#
121	0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 6.148 ug/l

RT: 8.491 min Scan# 1117

Delta R.T. 0.041 min

Lab File: VD071416.D

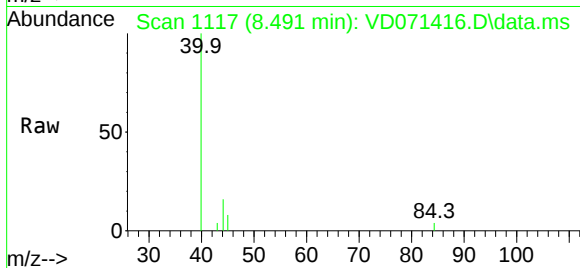
Acq: 21 Dec 2021 17:49

Instrument :

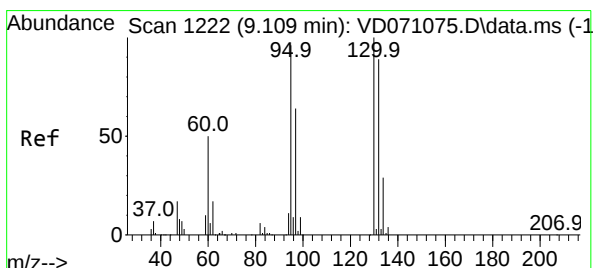
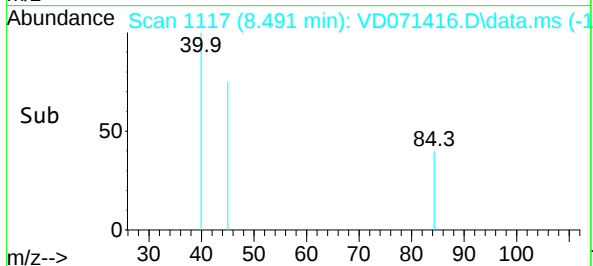
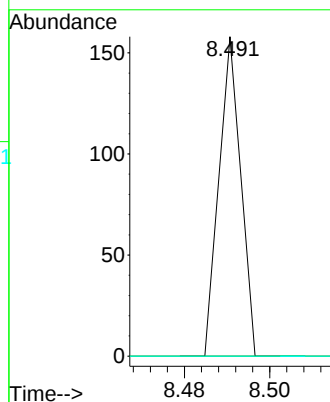
MSVOA_D

ClientSampleId :

HB-1-(18.5-23.5)-12-17-21



Tgt Ion: 43	Resp: 56
Ion Ratio	Lower Upper
43	100
61	0.0 28.2 42.4#
87	0.0 10.7 16.1#



#44

Trichloroethene

Concen: 1.501 ug/l

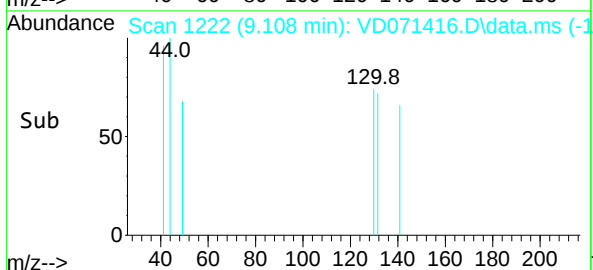
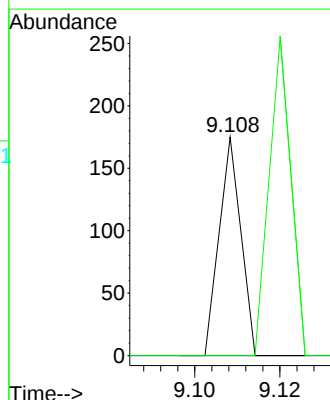
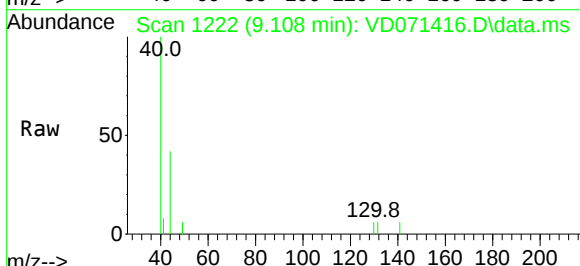
RT: 9.108 min Scan# 1222

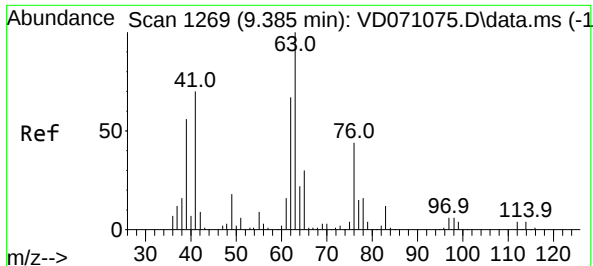
Delta R.T. -0.001 min

Lab File: VD071416.D

Acq: 21 Dec 2021 17:49

Tgt Ion: 130	Resp: 62
Ion Ratio	Lower Upper
130	100
95	0.0 0.0 193.2





#45

1,2-Dichloropropane

Concen: 1.497 ug/l

RT: 9.608 min Scan# 11

Delta R.T. 0.223 min

Lab File: VD071416.D

Acq: 21 Dec 2021 17:49

Instrument :

MSVOA_D

ClientSampleId :

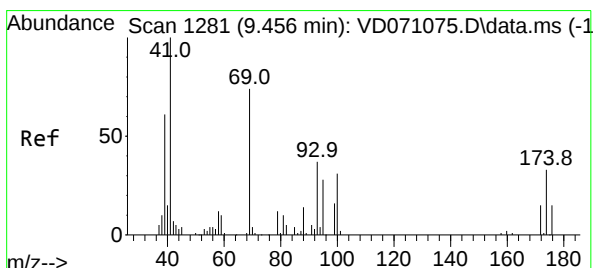
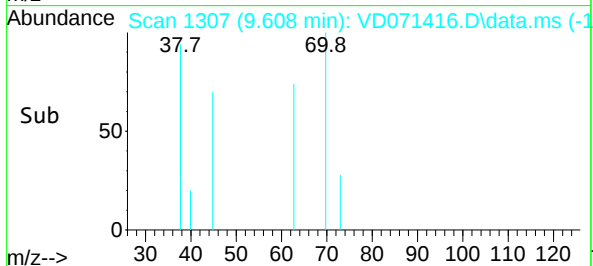
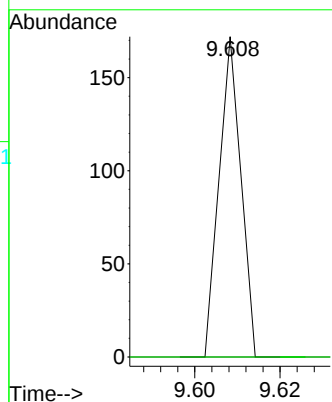
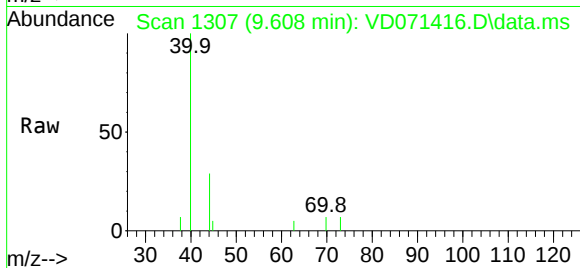
HB-1-(18.5-23.5)-12-17-21

Tgt Ion: 63 Resp: 61

Ion Ratio Lower Upper

63 100

65 0.0 24.2 36.2#



#48

Methyl methacrylate

Concen: 5.681 ug/l

RT: 9.520 min Scan# 1292

Delta R.T. 0.064 min

Lab File: VD071416.D

Acq: 21 Dec 2021 17:49

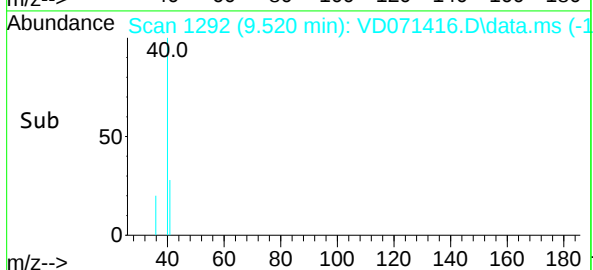
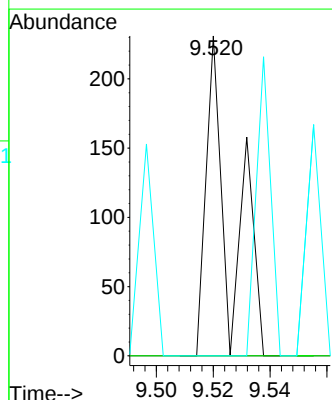
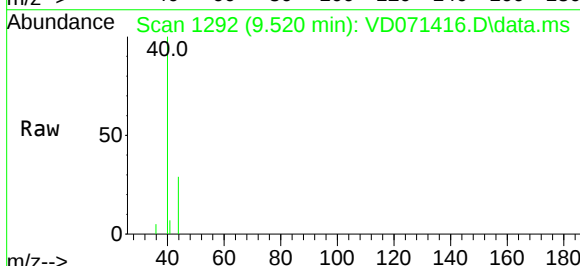
Tgt Ion: 41 Resp: 137

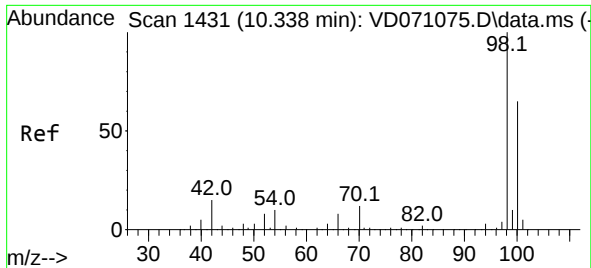
Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.6#

39 55.5 35.6 53.4#

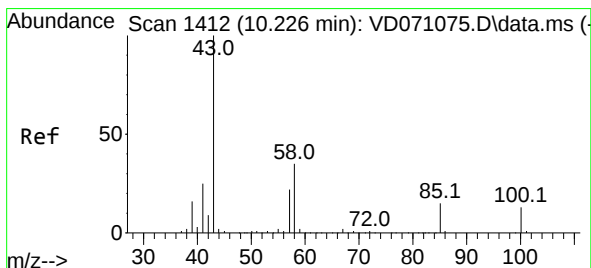
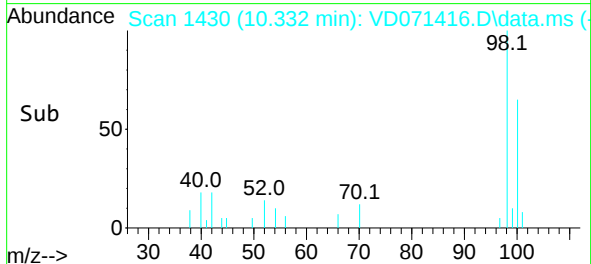
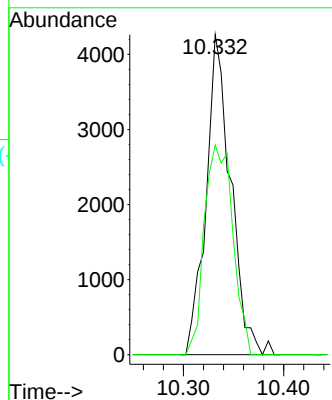
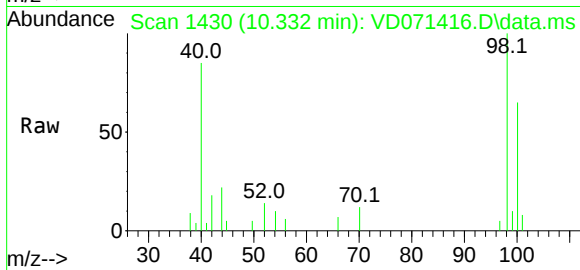




#50
Toluene-d8
Concen: 49.340 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

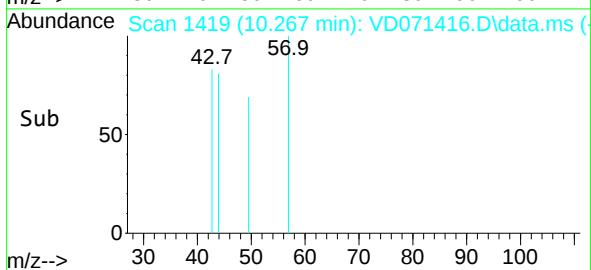
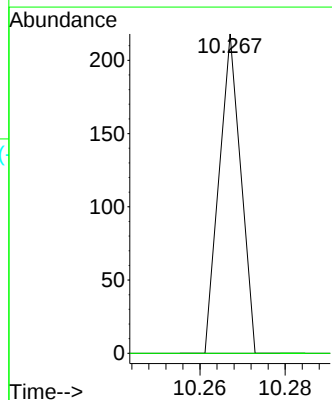
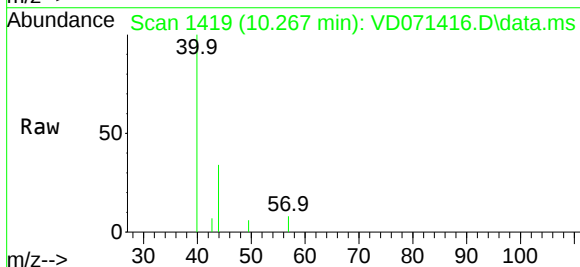
Instrument :
MSVOA_D
ClientSampleId :
HB-1-(18.5-23.5)-12-17-21

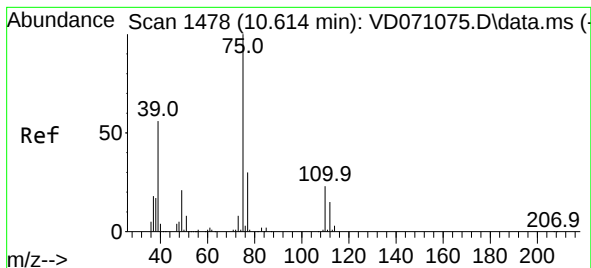
Tgt Ion: 98 Resp: 7296
Ion Ratio Lower Upper
98 100
100 75.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 33.084 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.041 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#





#53

t-1,3-Dichloropropene

Concen: 1.070 ug/l

RT: 10.808 min Scan# 11

Delta R.T. 0.194 min

Lab File: VD071416.D

Acq: 21 Dec 2021 17:49

Instrument :

MSVOA_D

ClientSampleId :

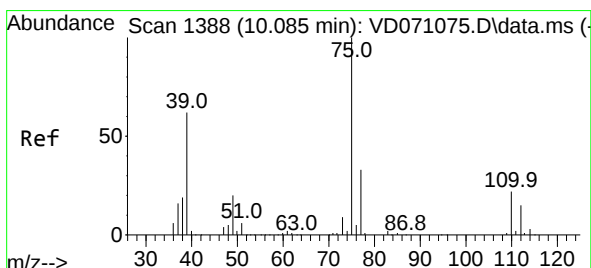
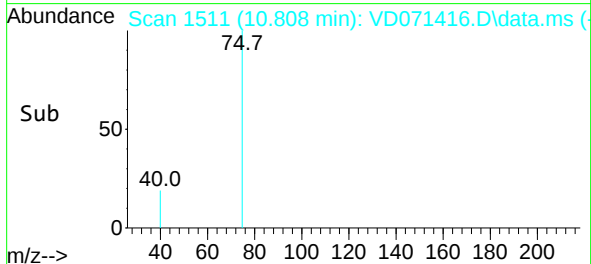
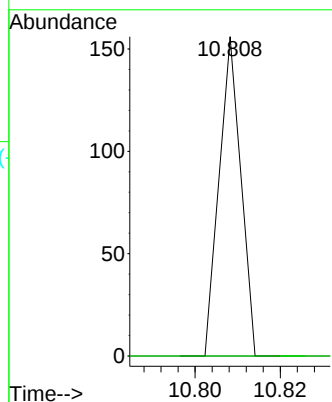
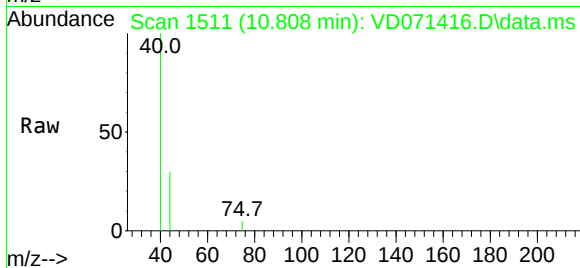
HB-1-(18.5-23.5)-12-17-21

Tgt Ion: 75 Resp: 55

Ion Ratio Lower Upper

75 100

77 0.0 24.5 36.7#



#54

cis-1,3-Dichloropropene

Concen: 1.261 ug/l

RT: 10.161 min Scan# 1401

Delta R.T. 0.076 min

Lab File: VD071416.D

Acq: 21 Dec 2021 17:49

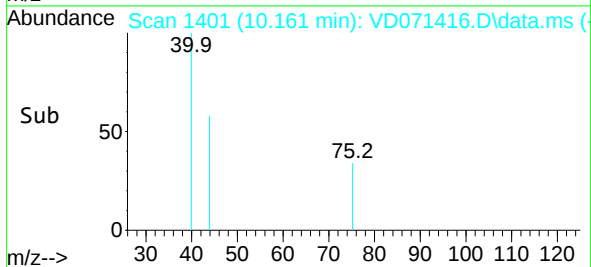
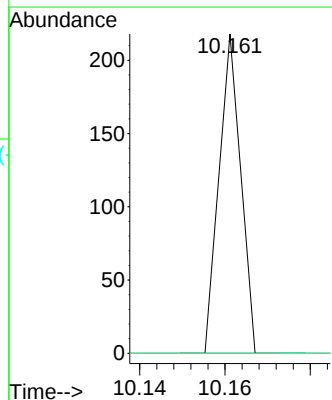
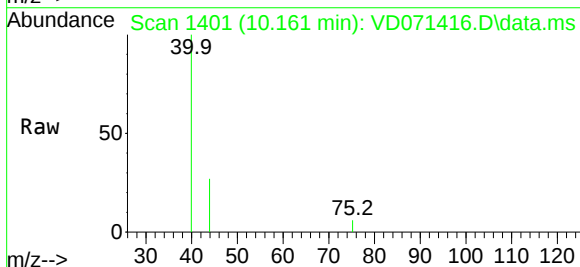
Tgt Ion: 75 Resp: 77

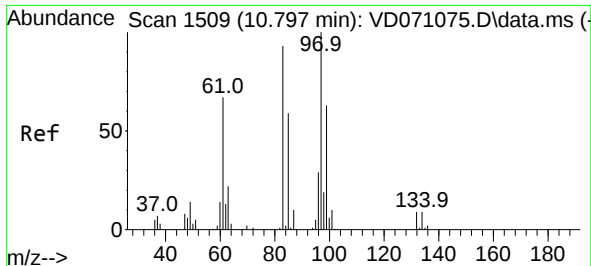
Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

39 0.0 31.6 47.4#

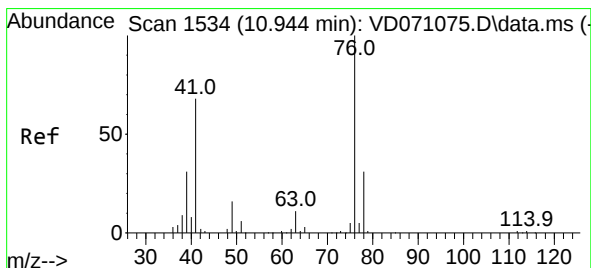
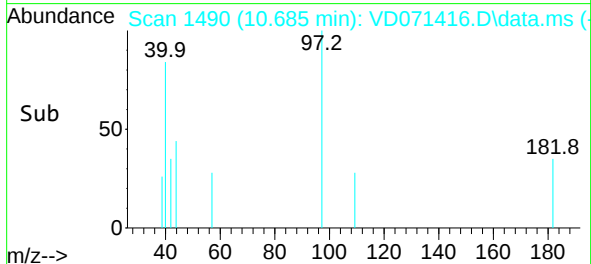
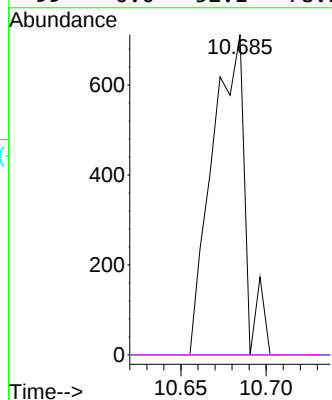
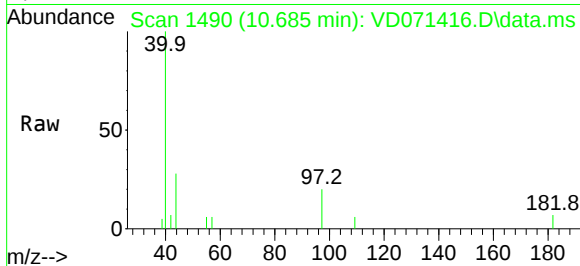




#55
 1,1,2-Trichloroethane
 Concen: 34.586 ug/l
 RT: 10.685 min Scan# 14
 Delta R.T. -0.112 min
 Lab File: VD071416.D
 Acq: 21 Dec 2021 17:49

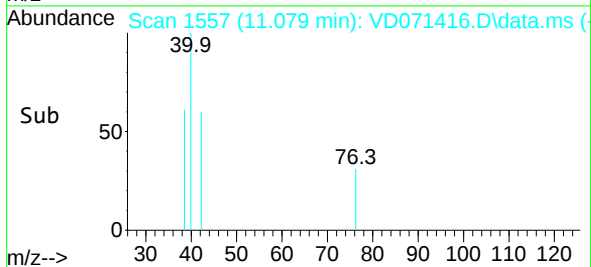
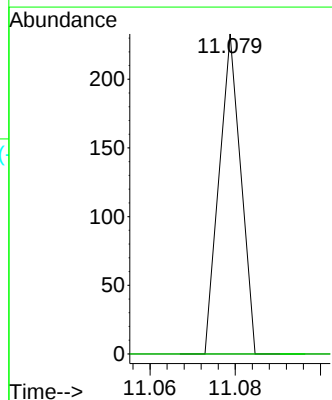
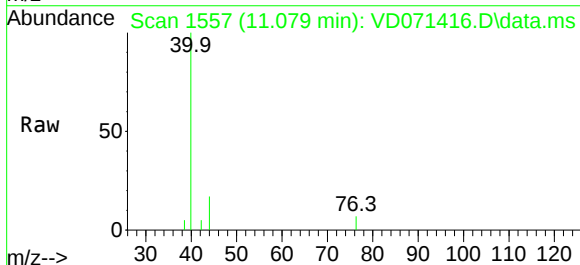
Instrument :
 MSVOA_D
 ClientSampleId :
 HB-1-(18.5-23.5)-12-17-21

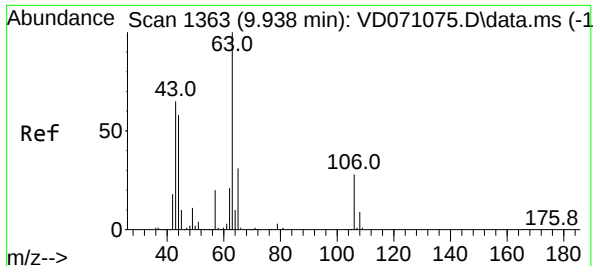
Tgt Ion: 97	Resp:	959
Ion	Ratio	Lower Upper
97	100	
83	0.0	65.2 97.8#
85	0.0	43.4 65.0#
99	0.0	52.1 78.1#



#57
 1,3-Dichloropropane
 Concen: 1.683 ug/l
 RT: 11.079 min Scan# 1557
 Delta R.T. 0.135 min
 Lab File: VD071416.D
 Acq: 21 Dec 2021 17:49

Tgt Ion: 76	Resp:	82
Ion	Ratio	Lower Upper
76	100	
78	0.0	25.8 38.6#





#58

2-Chloroethyl Vinyl ether

Concen: 2.968 ug/l

RT: 9.802 min Scan# 11

Delta R.T. -0.136 min

Lab File: VD071416.D

Acq: 21 Dec 2021 17:49

Instrument :

MSVOA_D

ClientSampleId :

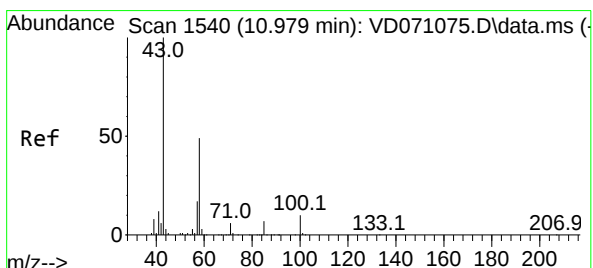
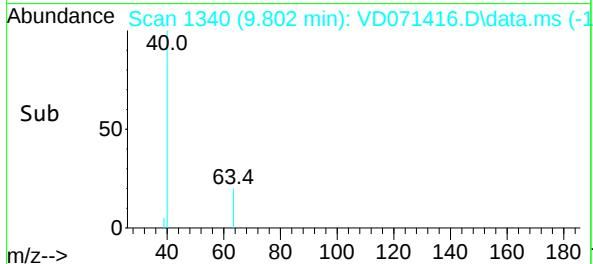
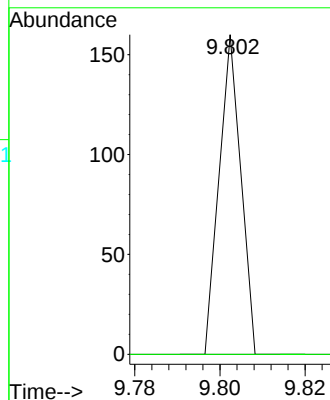
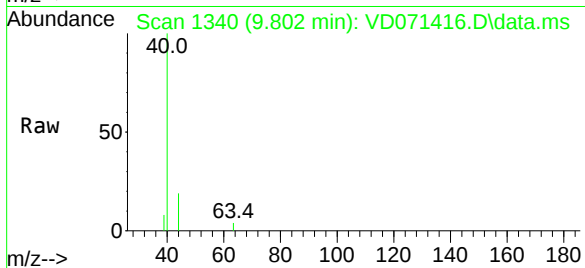
HB-1-(18.5-23.5)-12-17-21

Tgt Ion: 63 Resp: 56

Ion Ratio Lower Upper

63 100

106 0.0 21.0 31.4#



#59

2-Hexanone

Concen: 46.224 ug/l

RT: 11.049 min Scan# 1552

Delta R.T. 0.070 min

Lab File: VD071416.D

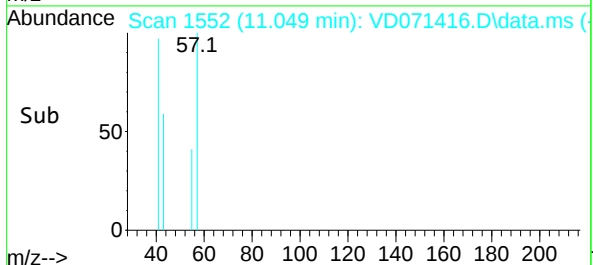
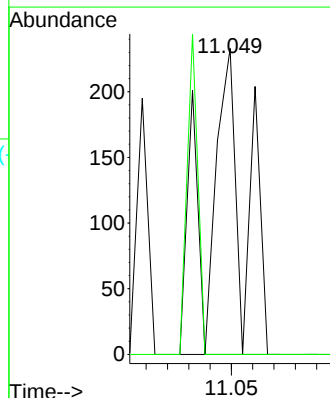
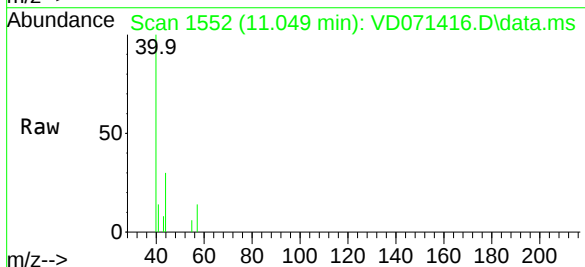
Acq: 21 Dec 2021 17:49

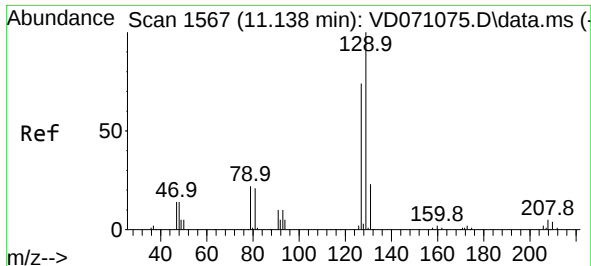
Tgt Ion: 43 Resp: 283

Ion Ratio Lower Upper

43 100

58 30.4 28.7 86.1

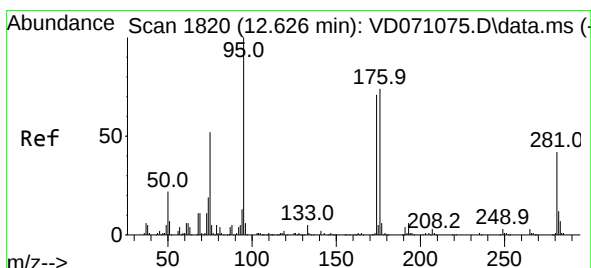
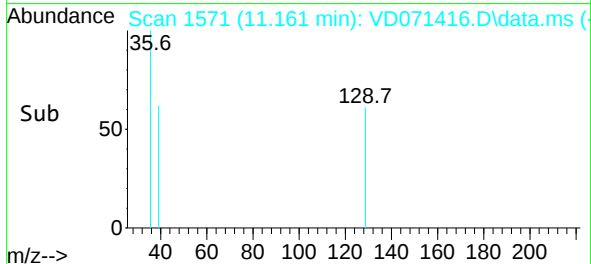
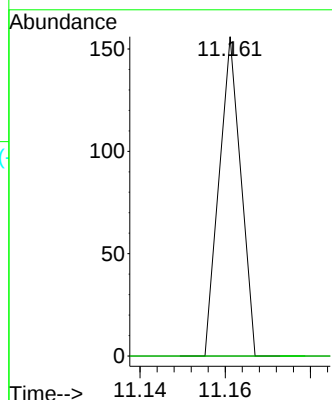
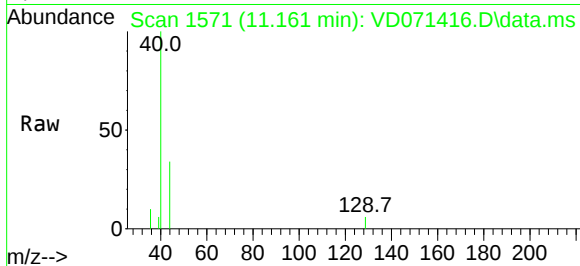




#60
Dibromochloromethane
Concen: 1.596 ug/l
RT: 11.161 min Scan# 111
Delta R.T. 0.023 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

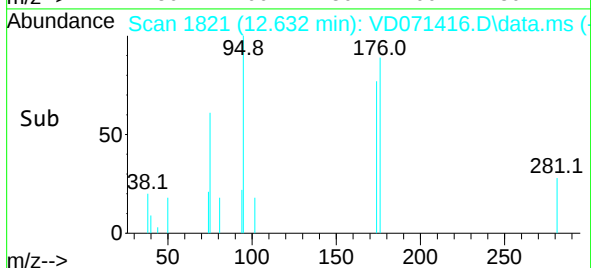
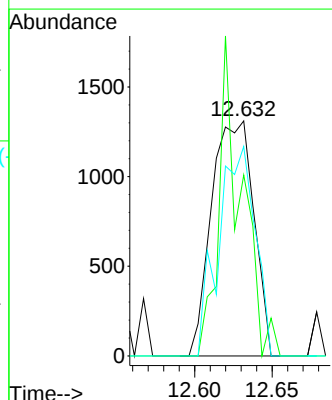
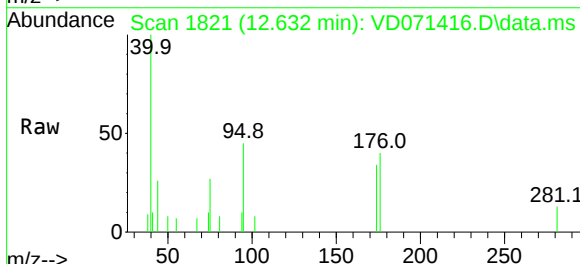
Instrument :
MSVOA_D
ClientSampleId :
HB-1-(18.5-23.5)-12-17-21

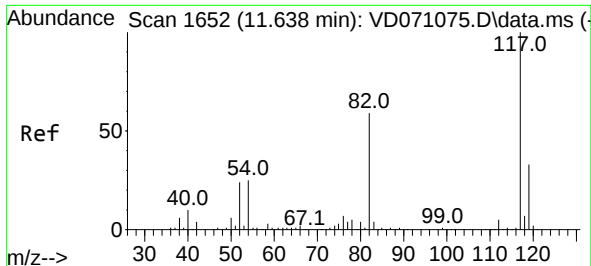
Tgt Ion:129 Resp: 55
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#



#62
4-Bromofluorobenzene
Concen: 48.247 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 95 Resp: 2473
Ion Ratio Lower Upper
95 100
174 73.5 0.0 159.4
176 77.6 0.0 154.0

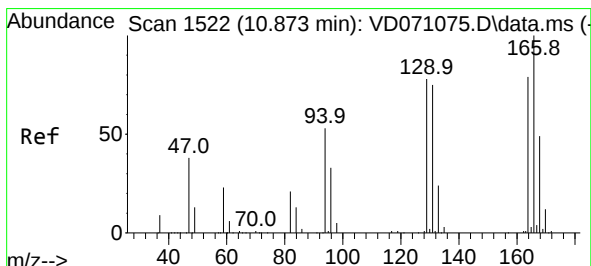
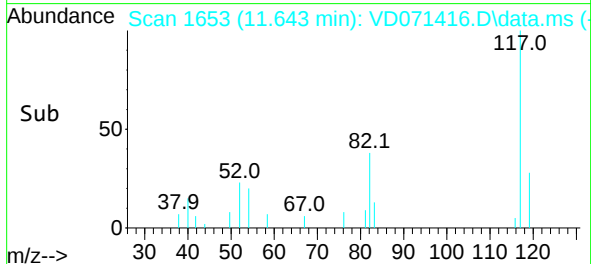
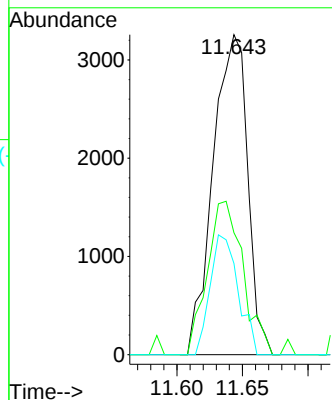
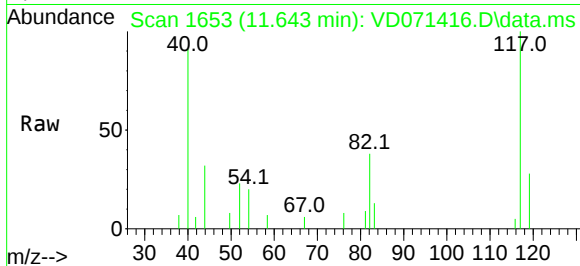




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 11
Delta R.T. 0.005 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

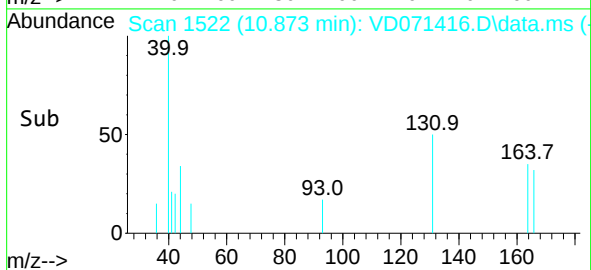
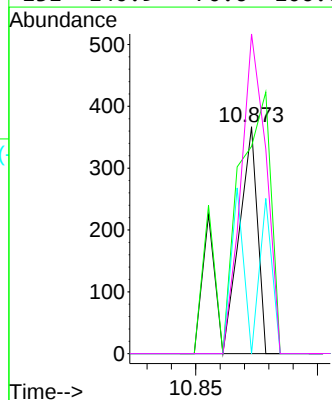
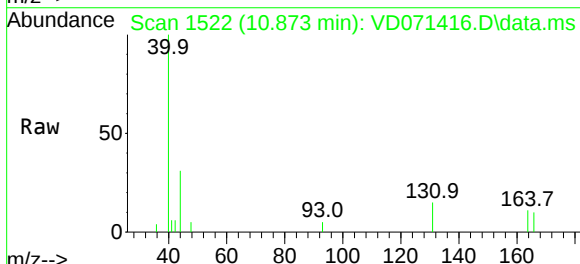
Instrument :
MSVOA_D
ClientSampleId :
HB-1-(18.5-23.5)-12-17-21

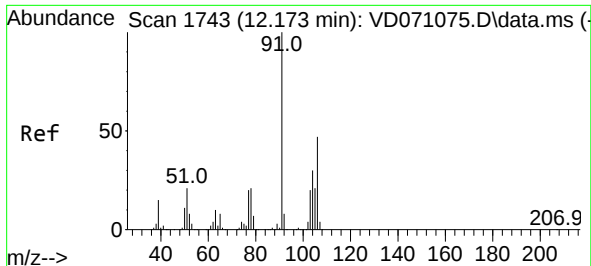
Tgt Ion:117 Resp: 5961
Ion Ratio Lower Upper
117 100
82 38.1 44.7 67.1#
119 28.5 26.2 39.4



#64
Tetrachloroethene
Concen: 7.108 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion:164 Resp: 269
Ion Ratio Lower Upper
164 100
166 91.3 102.6 153.8#
129 0.0 75.4 113.0#
131 140.9 70.6 106.0#

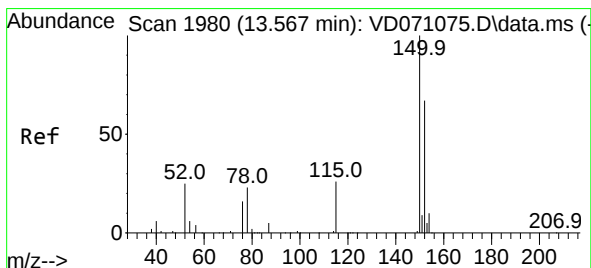
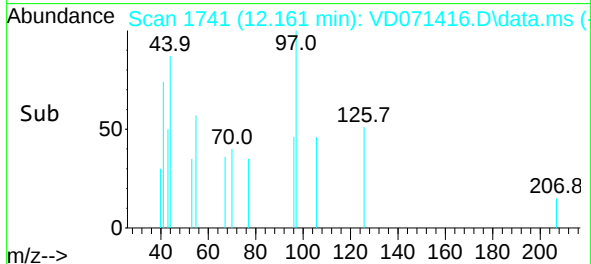
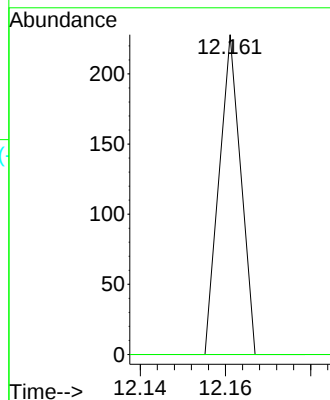
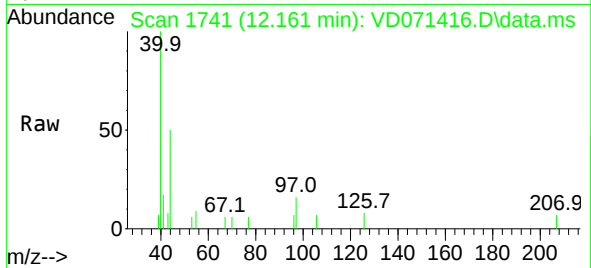




#69
o-Xylene
Concen: 1.083 ug/l
RT: 12.161 min Scan# 1741
Delta R.T. -0.012 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

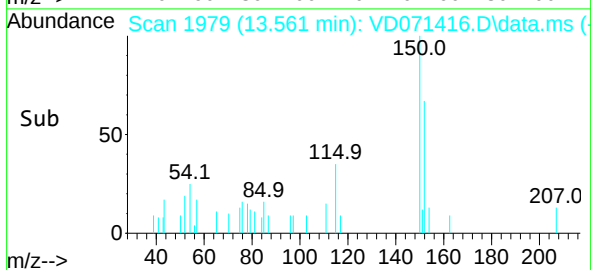
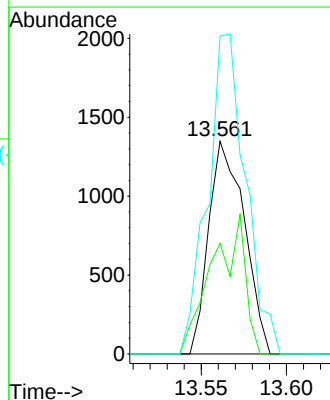
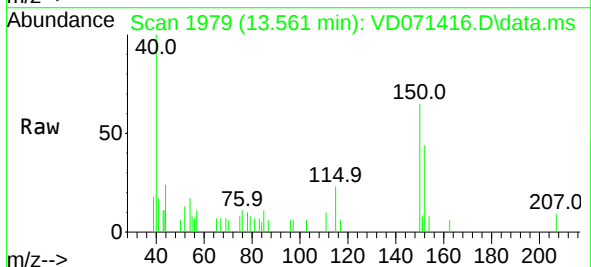
Instrument :
MSVOA_D
ClientSampleId :
HB-1-(18.5-23.5)-12-17-21

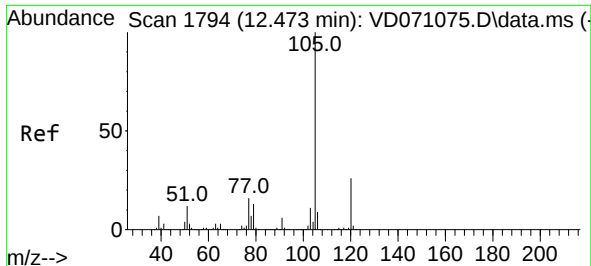
Tgt Ion:106 Resp: 80
Ion Ratio Lower Upper
106 100
91 0.0 106.3 319.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion:152 Resp: 1960
Ion Ratio Lower Upper
152 100
115 60.7 29.8 89.3
150 159.9 0.0 349.2

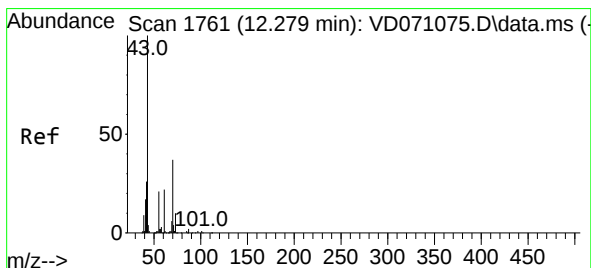
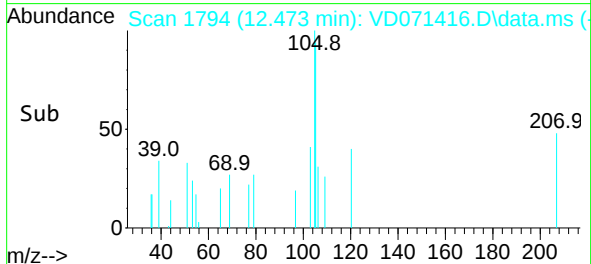
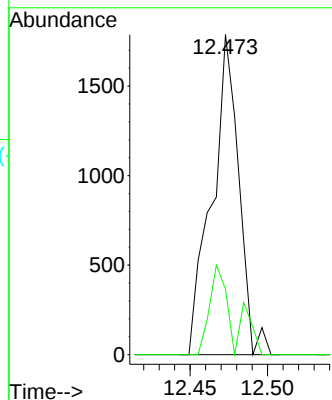
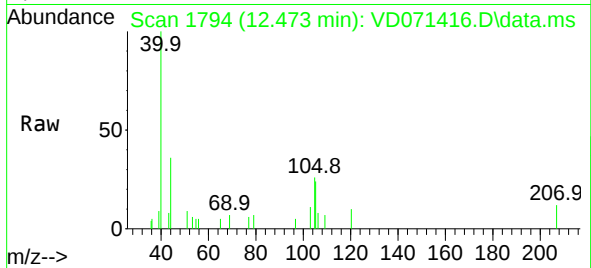




#73
Isopropylbenzene
Concen: 15.178 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

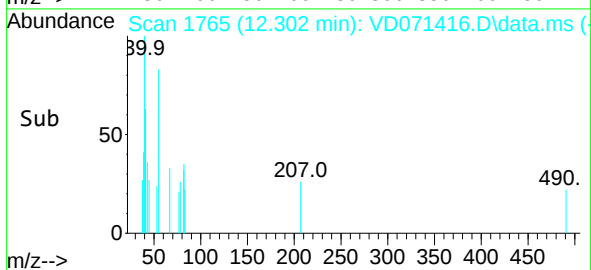
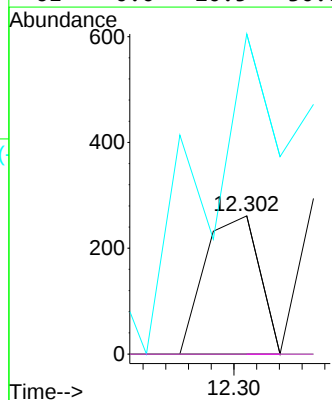
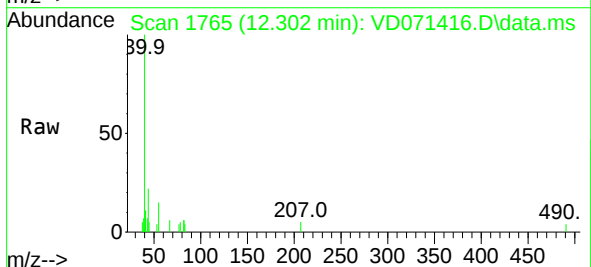
Instrument :
MSVOA_D
ClientSampleId :
HB-1-(18.5-23.5)-12-17-21

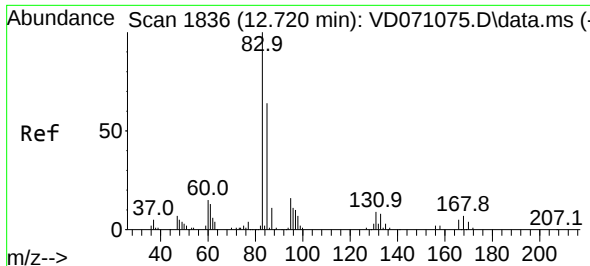
Tgt Ion:105 Resp: 2154
Ion Ratio Lower Upper
105 100
120 17.4 13.2 39.5



#74
N-ethyl acetate
Concen: 9.669 ug/l
RT: 12.302 min Scan# 1765
Delta R.T. 0.023 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 43 Resp: 174
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 583.9 22.5 33.7#
61 0.0 20.5 30.7#

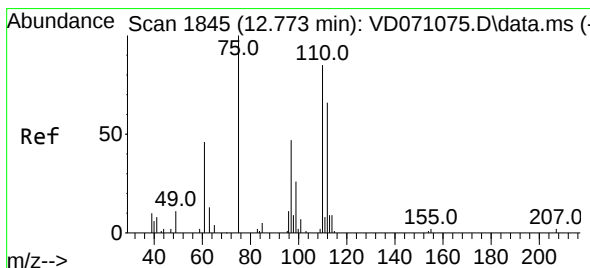
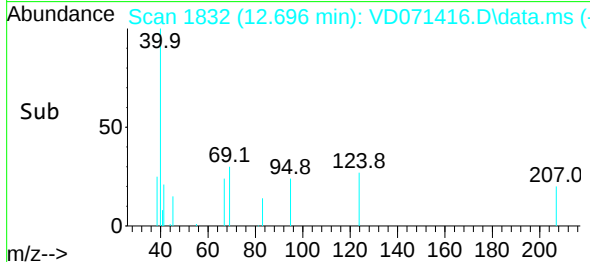
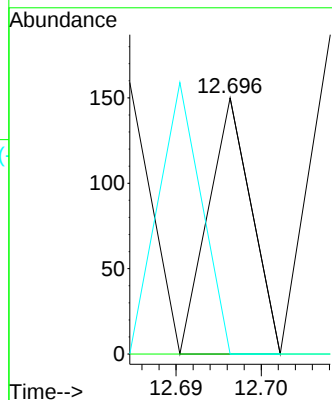
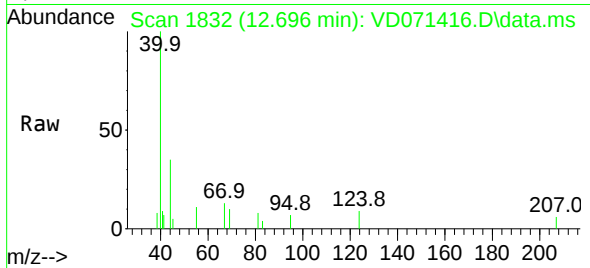




#75
1,1,2,2-Tetrachloroethane
Concen: 2.268 ug/l
RT: 12.696 min Scan# 1832
Delta R.T. -0.024 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

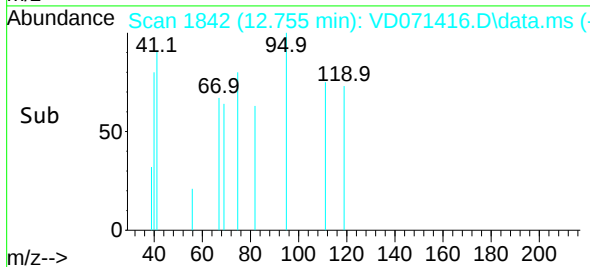
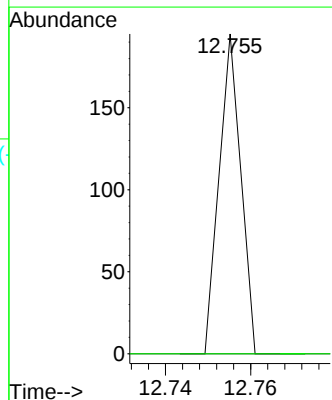
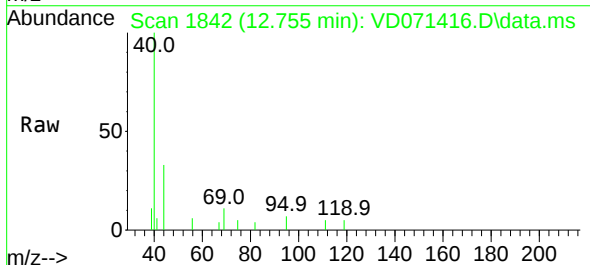
Instrument : MSVOA_D
ClientSampleId : HB-1-(18.5-23.5)-12-17-21

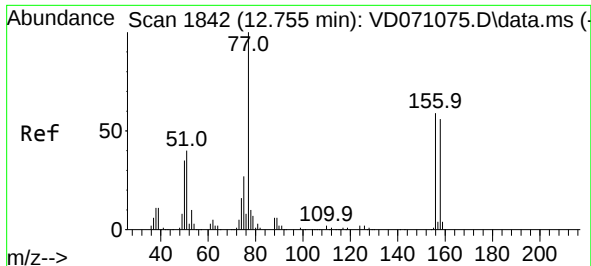
Tgt Ion: 83 Resp: 53
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.7#
85 105.7 32.0 96.2#



#76
1,2,3-Trichloropropane
Concen: 3.695 ug/l
RT: 12.755 min Scan# 1842
Delta R.T. -0.018 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 75 Resp: 69
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#





#77

Bromobenzene

Concen: 2.668 ug/l

RT: 13.026 min Scan# 1888

Delta R.T. 0.271 min

Lab File: VD071416.D

Acq: 21 Dec 2021 17:49

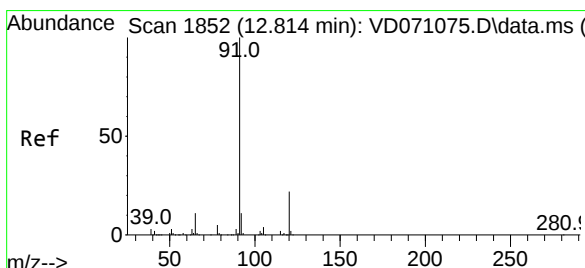
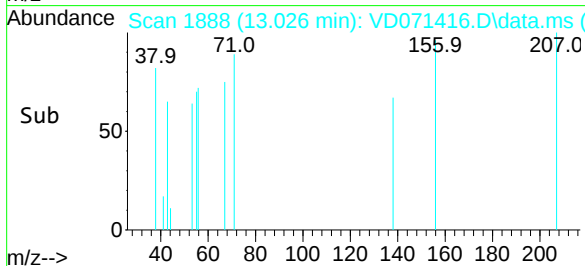
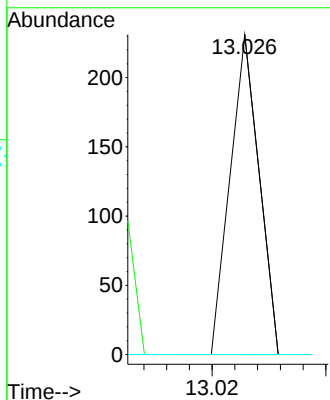
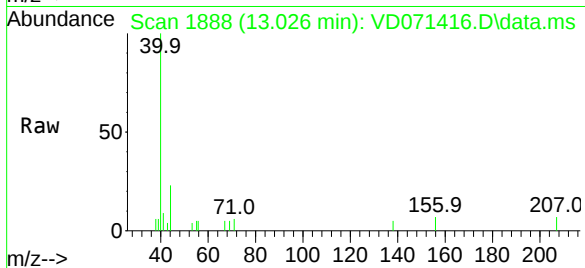
Instrument :

MSVOA_D

ClientSampleId :

HB-1-(18.5-23.5)-12-17-21

Tgt Ion:	156	Resp:	82
Ion Ratio	Lower	Upper	
156	100		
77	0.0	96.6	289.8#
158	0.0	49.1	147.4#



#78

n-propylbenzene

Concen: 11.633 ug/l

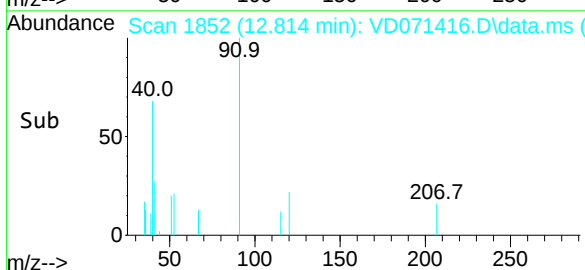
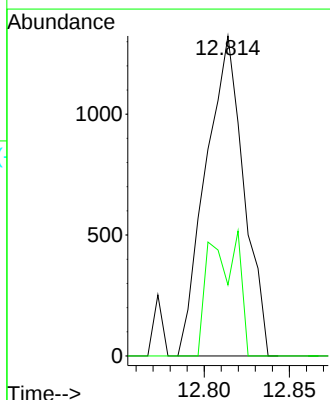
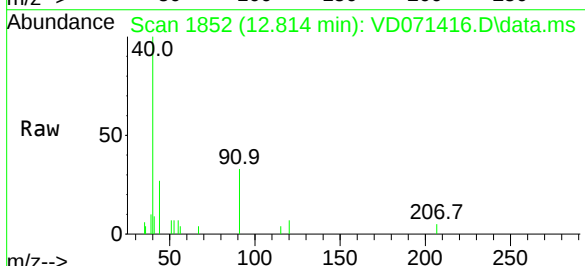
RT: 12.814 min Scan# 1852

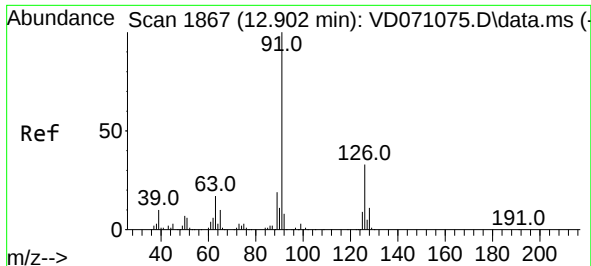
Delta R.T. -0.000 min

Lab File: VD071416.D

Acq: 21 Dec 2021 17:49

Tgt Ion:	91	Resp:	2056
Ion Ratio	Lower	Upper	
91	100		
120	29.5	10.9	32.9

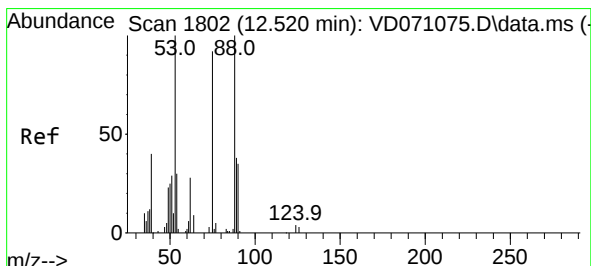
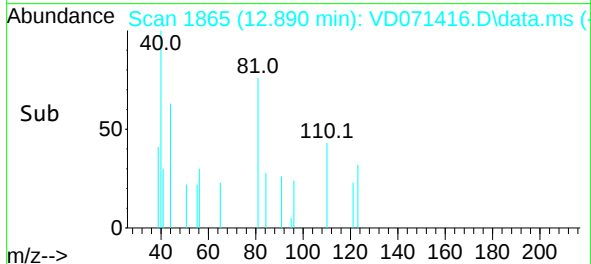
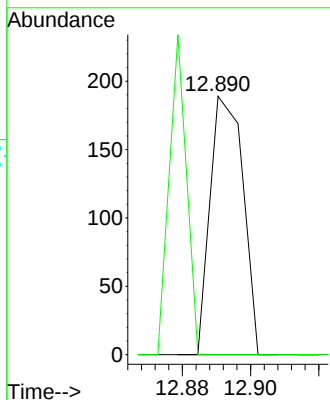
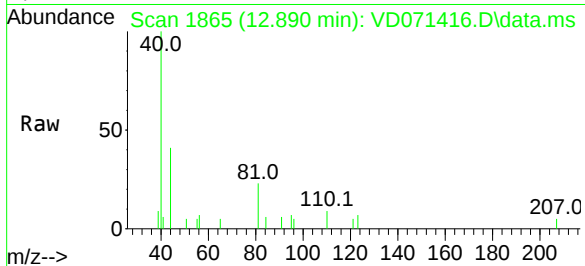




#79
2-Chlorotoluene
Concen: 1.270 ug/l
RT: 12.890 min Scan# 1865
Delta R.T. -0.012 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

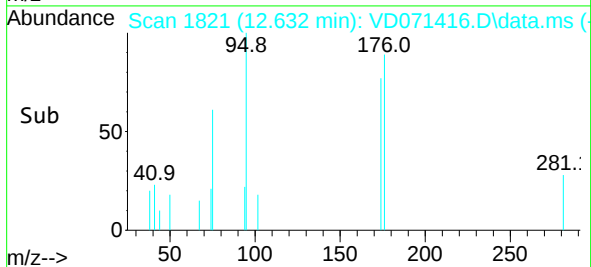
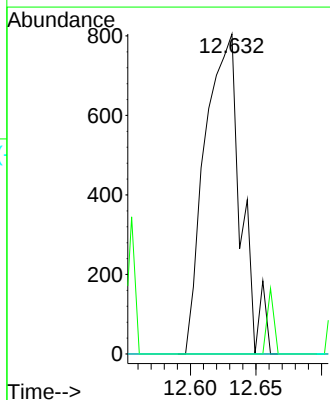
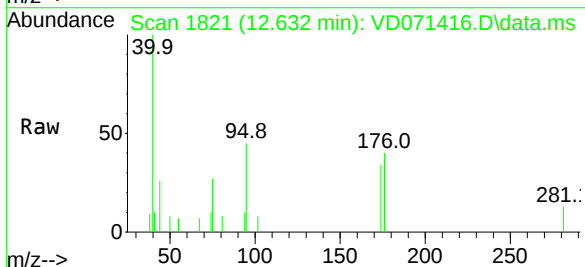
Instrument :
MSVOA_D
ClientSampleId :
HB-1-(18.5-23.5)-12-17-21

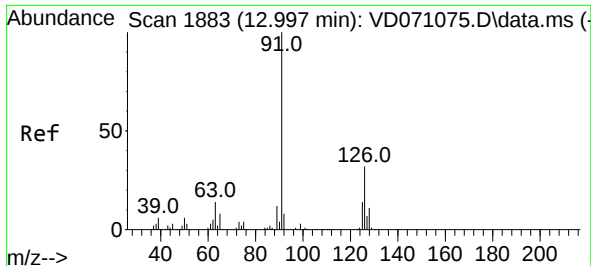
Tgt Ion: 91 Resp: 126
Ion Ratio Lower Upper
91 100
126 65.9 16.6 49.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 175.722 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.112 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 75 Resp: 1534
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

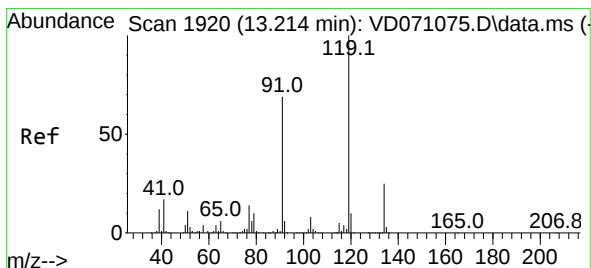
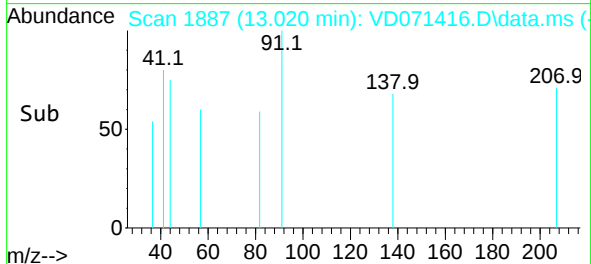
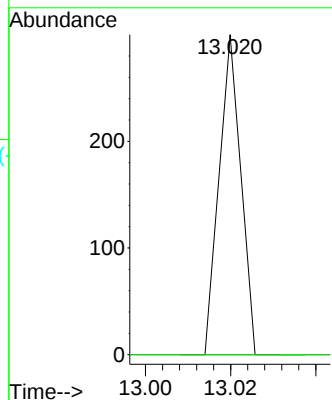
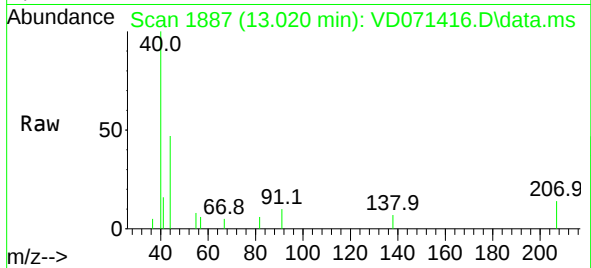




#82
4-Chlorotoluene
Concen: 1.029 ug/l
RT: 13.020 min Scan# 11
Delta R.T. 0.023 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

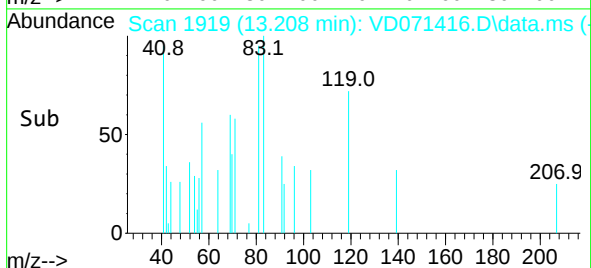
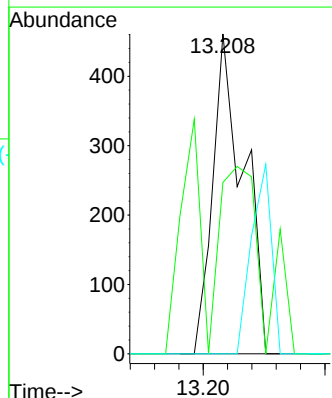
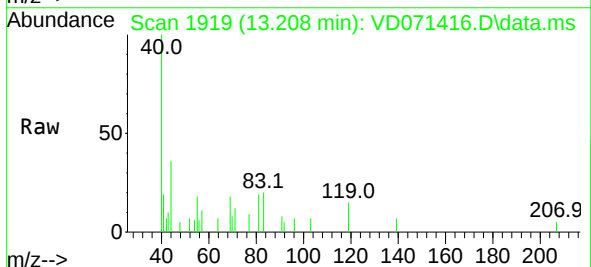
Instrument :
MSVOA_D
ClientSampleId :
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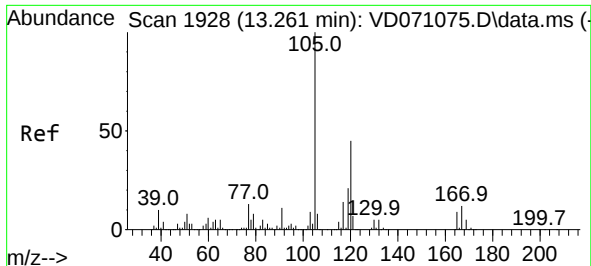
Tgt Ion: 91 Resp: 106
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.1#



#83
tert-Butylbenzene
Concen: 4.050 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 119 Resp: 407
Ion Ratio Lower Upper
119 100
91 82.6 32.5 97.5
134 38.3 13.2 39.6

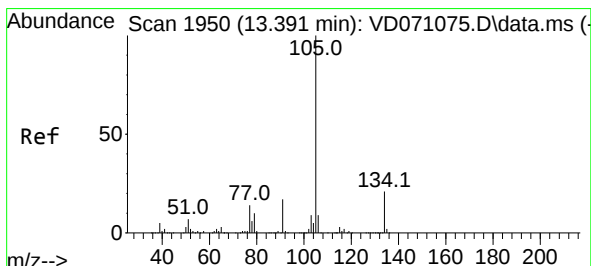
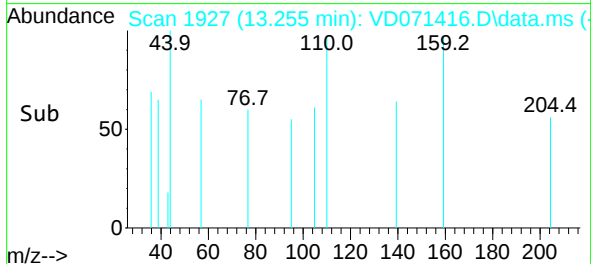
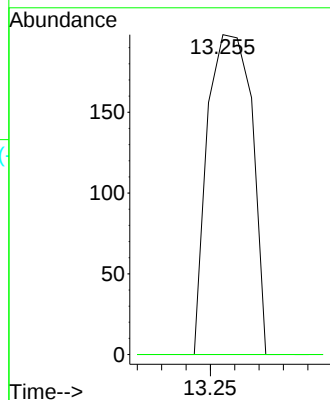
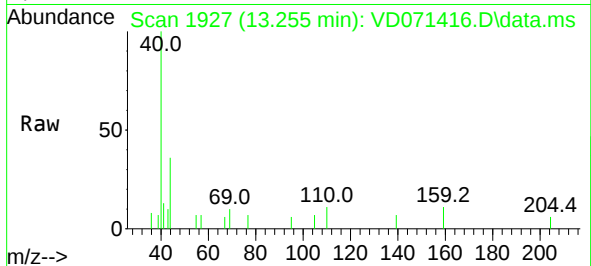




#84
1,2,4-Trimethylbenzene
Concen: 2.188 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

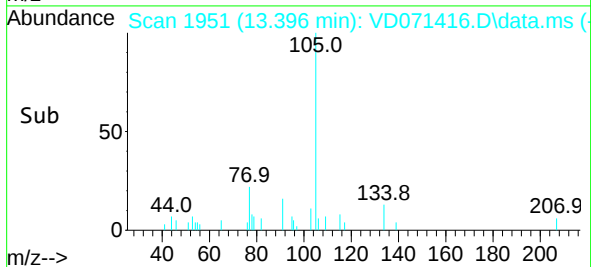
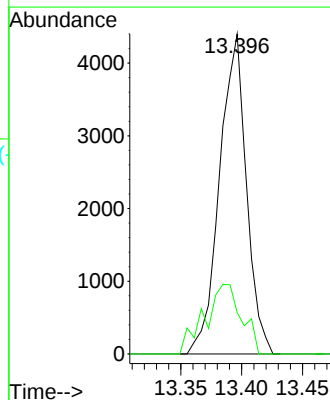
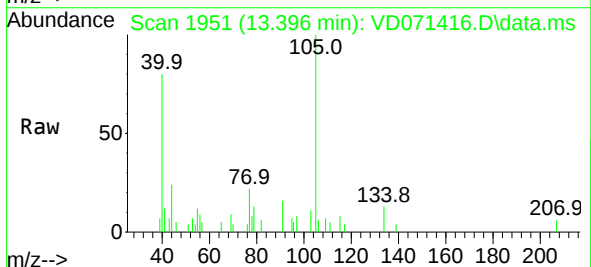
Instrument : MSVOA_D
ClientSampleId : HB-1-(18.5-23.5)-12-17-21

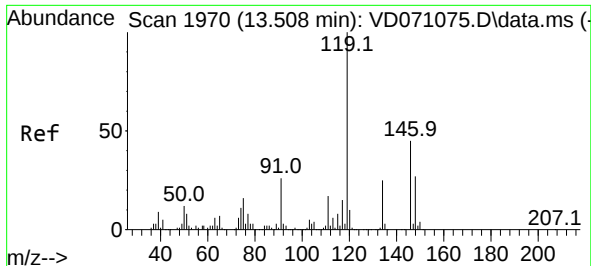
Tgt Ion:105 Resp: 250
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.7#



#85
sec-Butylbenzene
Concen: 43.907 ug/l
RT: 13.396 min Scan# 1951
Delta R.T. 0.005 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion:105 Resp: 6740
Ion Ratio Lower Upper
105 100
134 29.9 9.7 28.9#

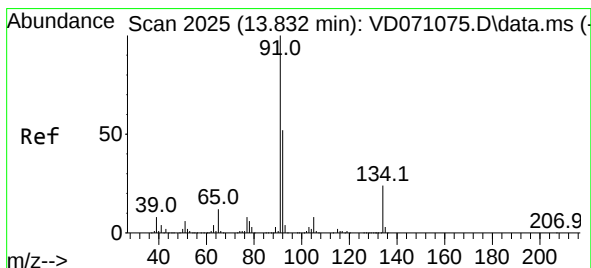
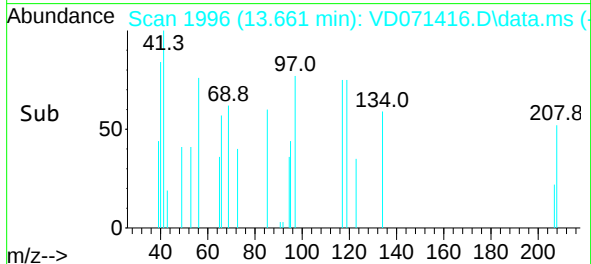
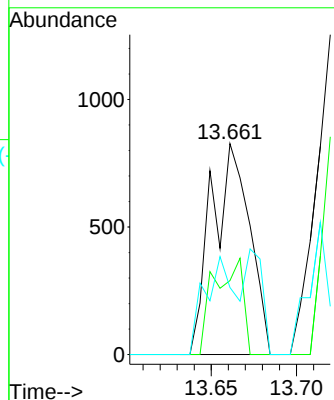
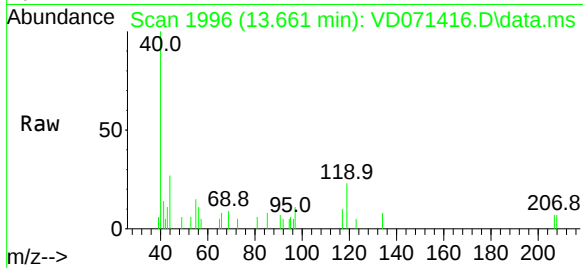




#86
p-Isopropyltoluene
Concen: 10.219 ug/l
RT: 13.661 min Scan# 1970
Delta R.T. 0.153 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

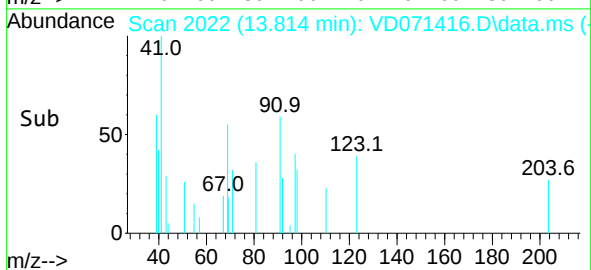
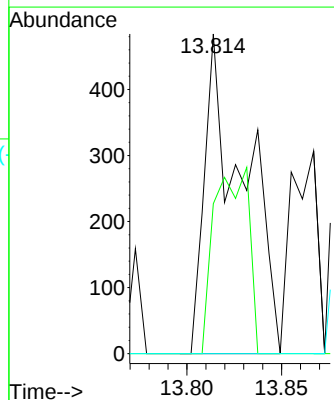
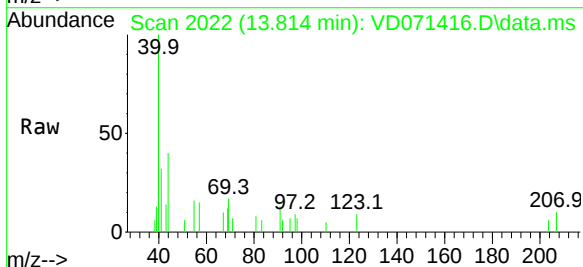
Instrument :
MSVOA_D
ClientSampleId :
HB-1-(18.5-23.5)-12-17-21

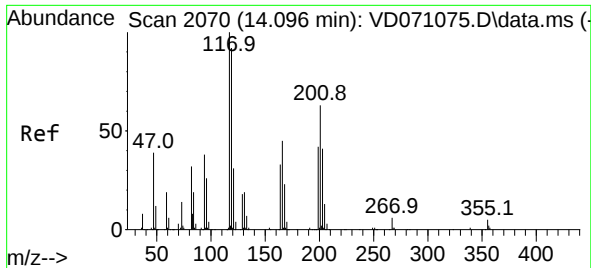
Tgt Ion:119 Resp: 1283
Ion Ratio Lower Upper
119 100
134 34.5 13.0 38.9
91 37.0 11.4 34.2#



#89
n-Butylbenzene
Concen: 5.613 ug/l
RT: 13.814 min Scan# 2022
Delta R.T. -0.018 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion: 91 Resp: 688
Ion Ratio Lower Upper
91 100
92 51.9 27.3 81.9
134 0.0 12.3 36.9#

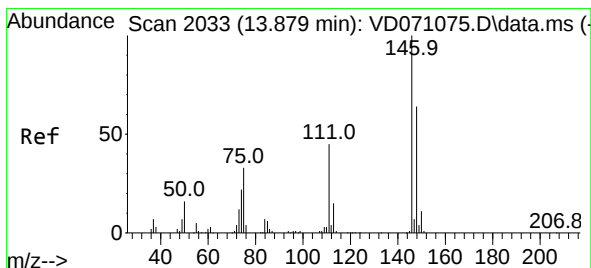
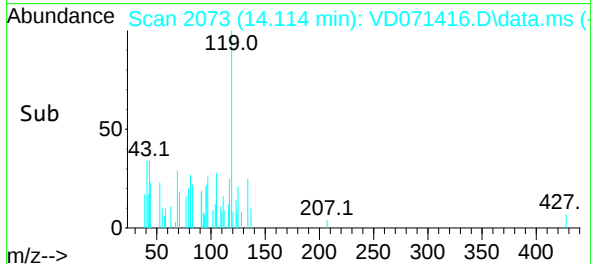
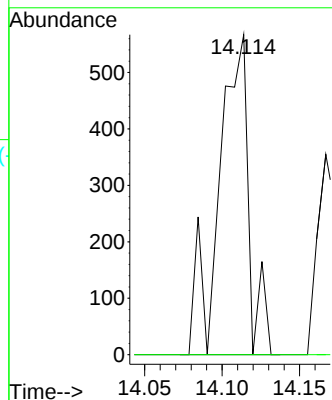
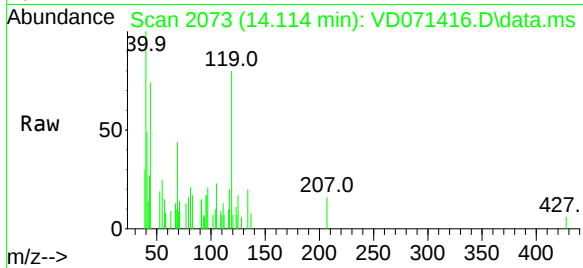




#90
Hexachloroethane
Concen: 32.016 ug/l
RT: 14.114 min Scan# 2070
Delta R.T. 0.018 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

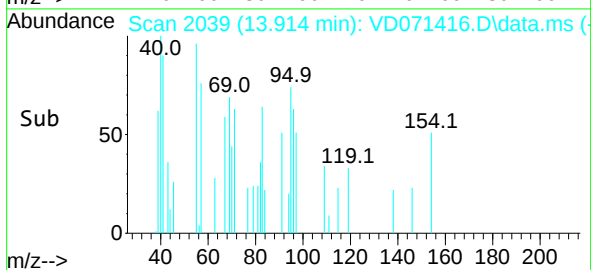
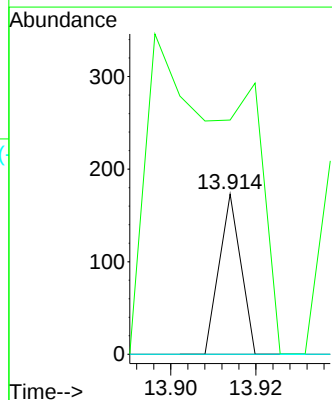
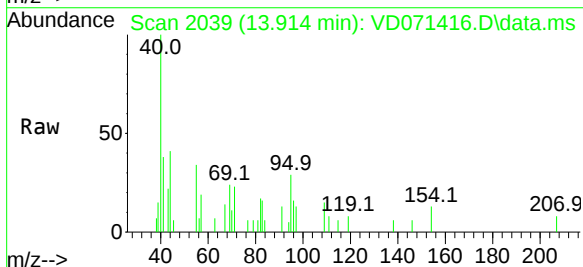
Instrument :
MSVOA_D
ClientSampleId :
HB-1-(18.5-23.5)-12-17-21

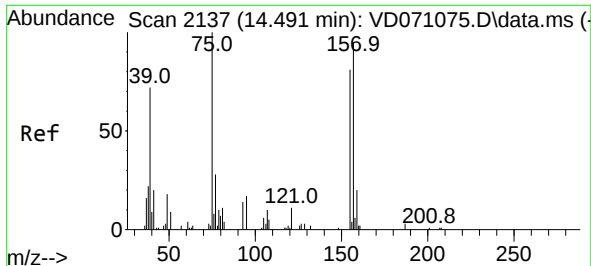
Tgt Ion:117 Resp: 762
Ion Ratio Lower Upper
117 100
201 0.0 36.0 108.1#



#91
1,2-Dichlorobenzene
Concen: 1.172 ug/l
RT: 13.914 min Scan# 2039
Delta R.T. 0.035 min
Lab File: VD071416.D
Acq: 21 Dec 2021 17:49

Tgt Ion:146 Resp: 61
Ion Ratio Lower Upper
146 100
111 823.0 20.8 62.2#
148 0.0 31.7 95.1#

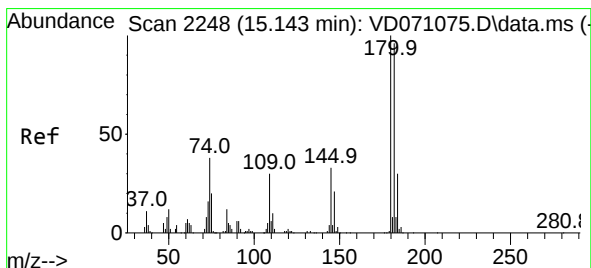
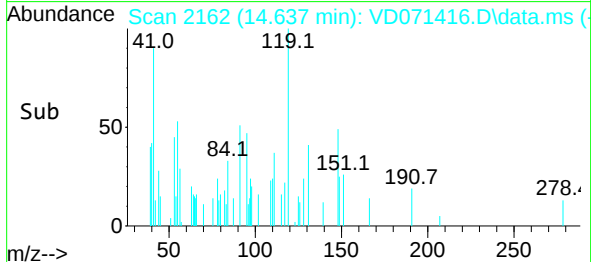
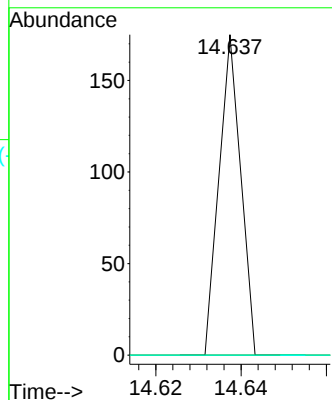
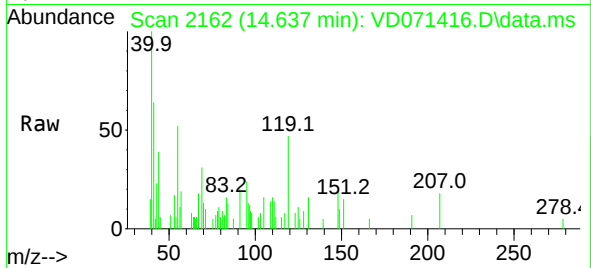




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.290 ug/l
 RT: 14.637 min Scan# 2137
 Delta R.T. 0.146 min
 Lab File: VD071416.D
 Acq: 21 Dec 2021 17:49

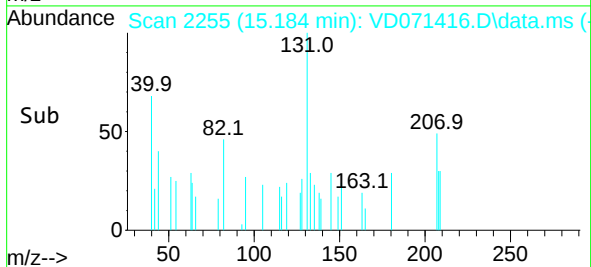
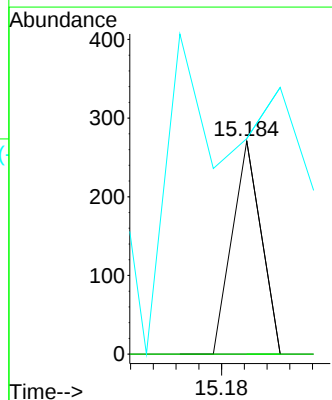
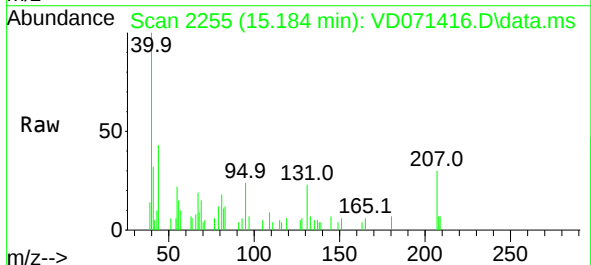
Instrument :
 MSVOA_D
 ClientSampleId :
 HB-1-(18.5-23.5)-12-17-21

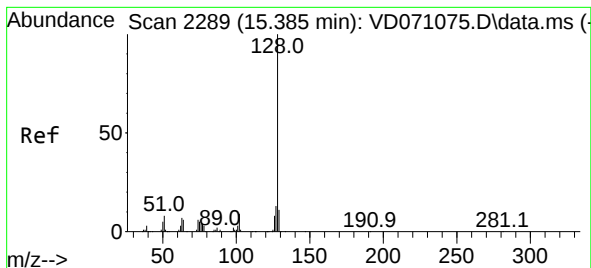
Tgt Ion: 75 Resp: 62
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.0 120.0#
 157 0.0 49.8 149.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.958 ug/l
 RT: 15.184 min Scan# 2255
 Delta R.T. 0.041 min
 Lab File: VD071416.D
 Acq: 21 Dec 2021 17:49

Tgt Ion:180 Resp: 96
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.2 144.6#
 145 538.5 15.4 46.2#





#95

Naphthalene

Concen: 1.014 ug/l

RT: 15.337 min Scan# 21

Delta R.T. -0.048 min

Lab File: VD071416.D

Acq: 21 Dec 2021 17:49

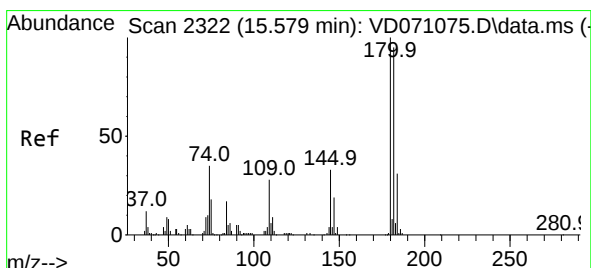
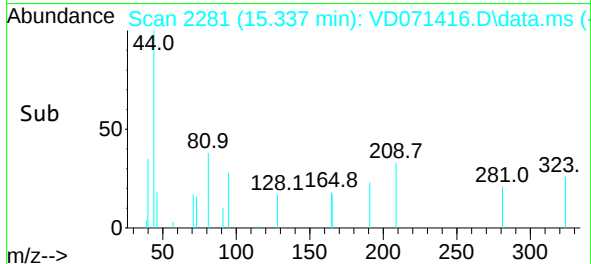
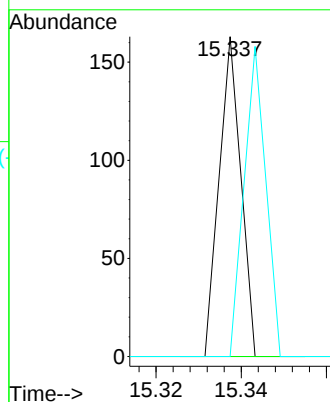
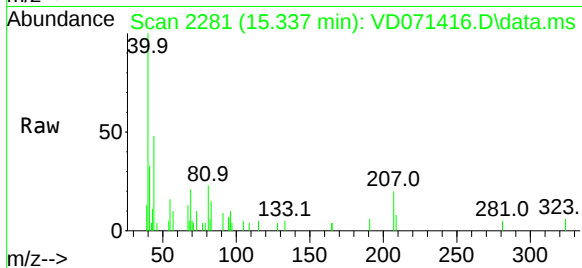
Instrument :

MSVOA_D

ClientSampleId :

HB-1-(18.5-23.5)-12-17-21

Tgt Ion:128	Resp:	58
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.7 16.1#
129	96.6	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 1.995 ug/l

RT: 15.561 min Scan# 2319

Delta R.T. -0.018 min

Lab File: VD071416.D

Acq: 21 Dec 2021 17:49

Tgt Ion:180	Resp:	55
Ion Ratio	Lower	Upper
180	100	
182	0.0	46.7 140.1#
145	0.0	15.9 47.6#

