

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD113021\
 Data File : VD071084.D
 Acq On : 30 Nov 2021 13:45
 Operator : VA/SY
 Sample : M4849-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-1-112921

Quant Time: Dec 01 03:32:49 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)

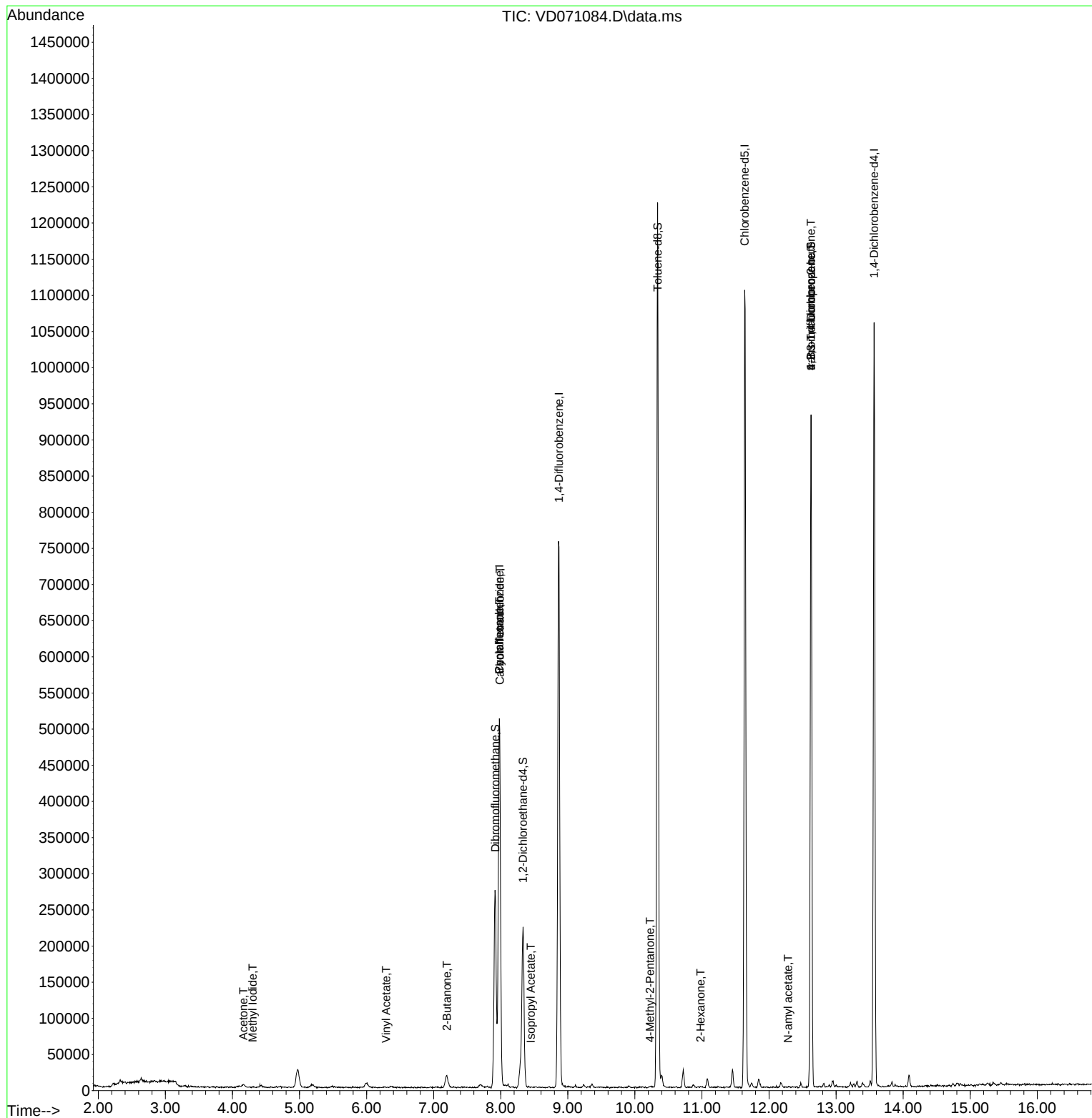
Internal Standards						
1) Pentafluorobenzene	7.979	168	363272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	628860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	591949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	255164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	170516	40.003	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.000%		
35) Dibromofluoromethane	7.920	113	189133	47.230	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.460%		
50) Toluene-d8	10.338	98	779890	51.176	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.360%		
62) 4-Bromofluorobenzene	12.626	95	270344	51.177	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.360%		
Target Compounds			Qvalue			
10) Methyl Iodide	4.303	142	190	4.601	ug/l #	40
11) Tert butyl alcohol	5.185	59	4039	Below Cal	#	82
16) Acetone	4.162	43	7802	36.840	ug/l #	84
20) Methylene Chloride	4.973	84	17746	Below Cal		98
23) Vinyl Acetate	6.291	43	56	27.226	ug/l #	72
25) 2-Butanone	7.197	43	553	28.734	ug/l #	45
31) Cyclohexane	7.979	56	11122	1.534	ug/l #	4
38) Carbon Tetrachloride	7.985	117	38313	6.613	ug/l #	17
41) Methacrylonitrile	7.520	41	143	Below Cal	#	36
43) Isopropyl Acetate	8.450	43	201	5.255	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	1481	31.106	ug/l #	34
59) 2-Hexanone	10.979	43	616	34.820	ug/l	99
74) N-amyl acetate	12.285	43	537	5.795	ug/l #	49
76) 1,2,3-Trichloropropane	12.626	75	153116	62.982	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	153116	136.075	ug/l #	18

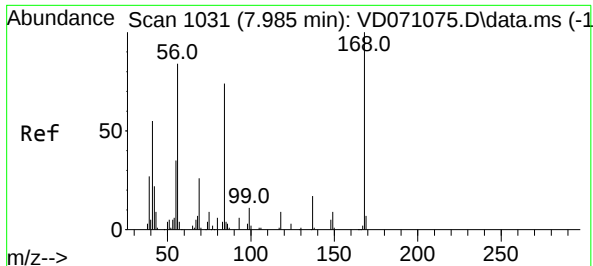
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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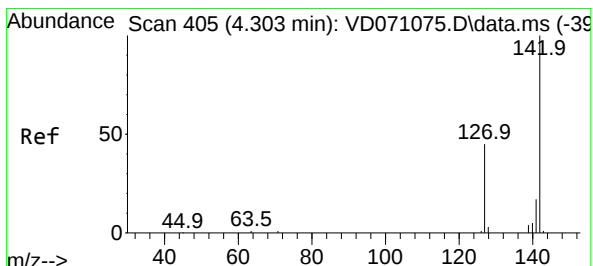
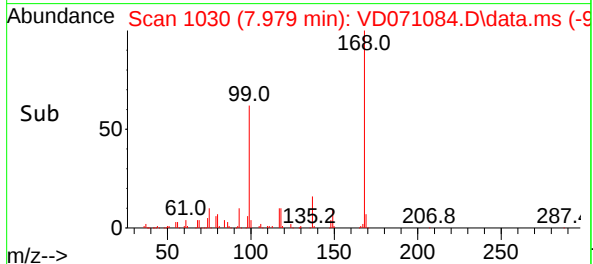
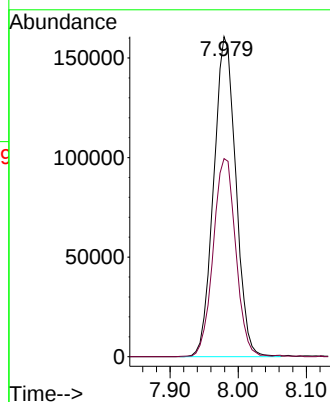
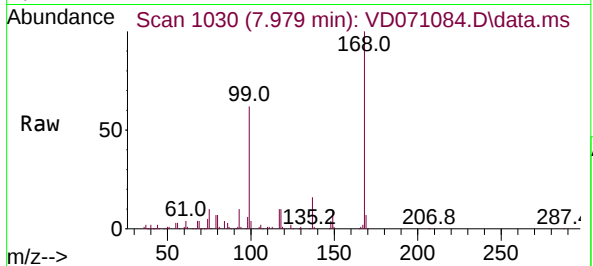




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071084.D
Acq: 30 Nov 2021 13:45

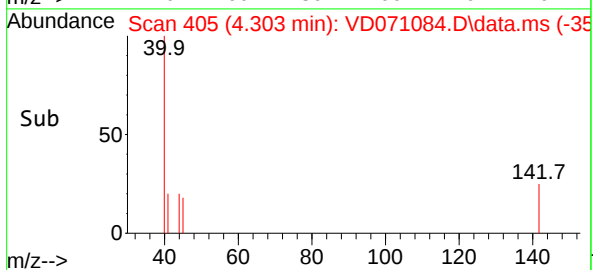
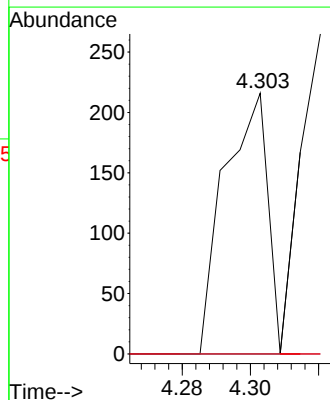
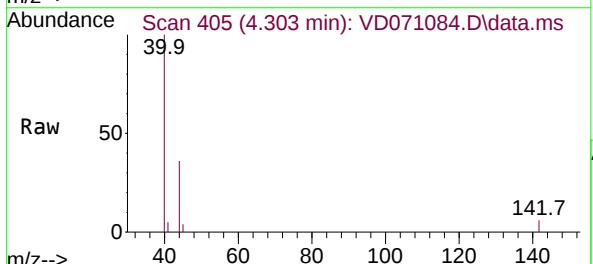
Instrument :
MSVOA_D
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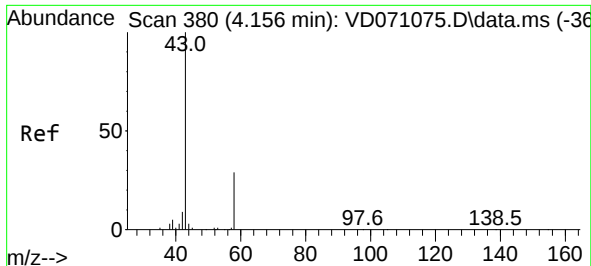
Tgt Ion:168 Resp: 363272
Ion Ratio Lower Upper
168 100
99 61.8 46.6 69.8



#10
Methyl Iodide
Concen: 4.601 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071084.D
Acq: 30 Nov 2021 13:45

Tgt Ion:142 Resp: 190
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

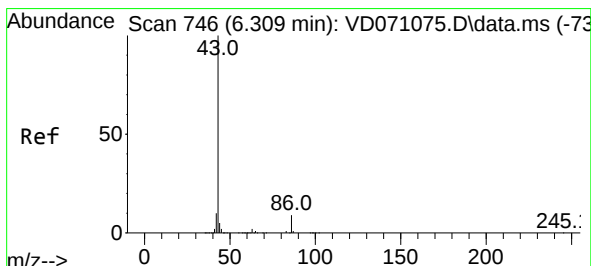
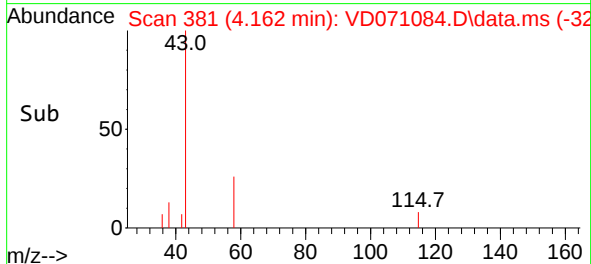
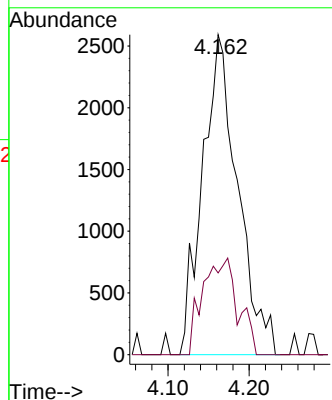
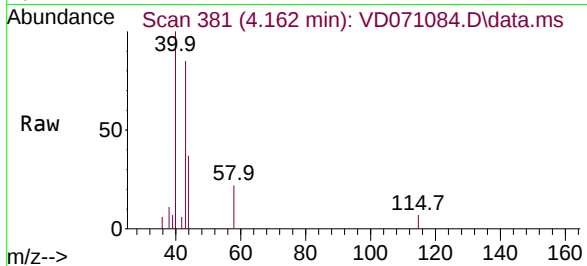




#16
Acetone
Concen: 36.840 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071084.D
Acq: 30 Nov 2021 13:45

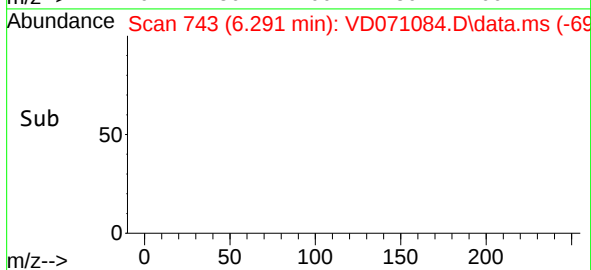
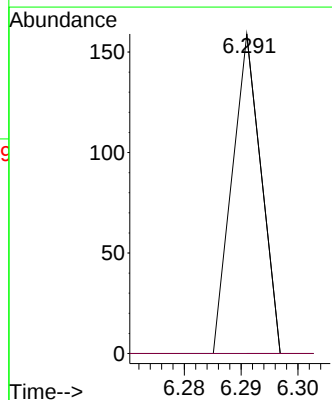
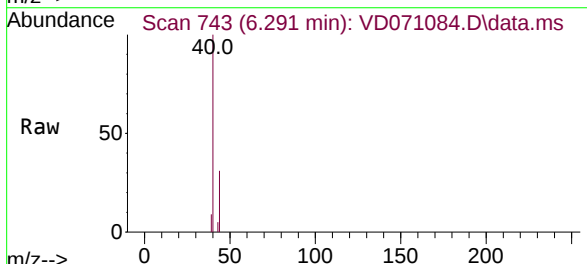
Instrument :
MSVOA_D
ClientSampleId :
HD-1-112921

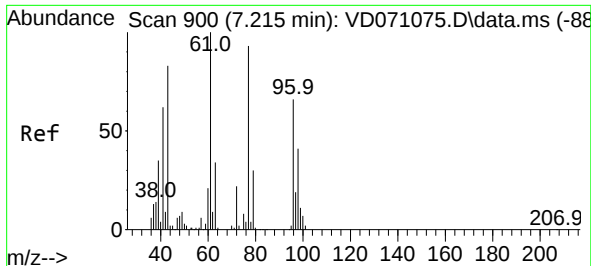
Tgt Ion: 43 Resp: 7802
Ion Ratio Lower Upper
43 100
58 25.5 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.226 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.018 min
Lab File: VD071084.D
Acq: 30 Nov 2021 13:45

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

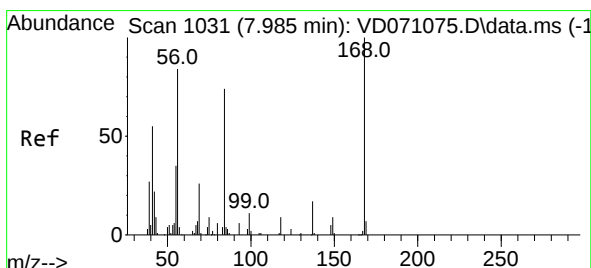
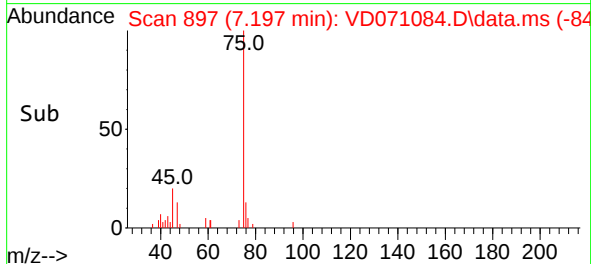
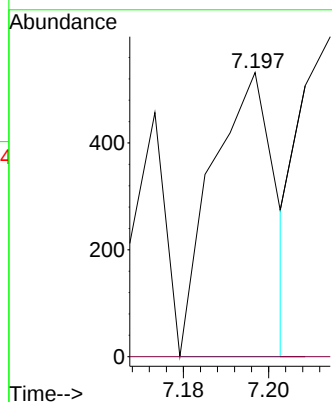
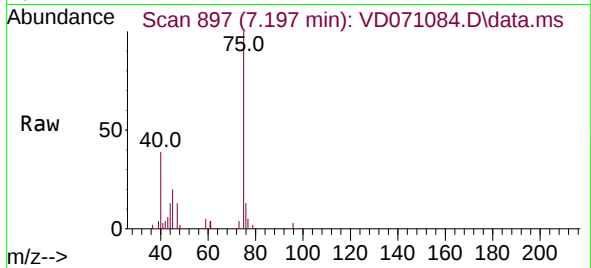




#25
2-Butanone
Concen: 28.734 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD071084.D
Acq: 30 Nov 2021 13:45

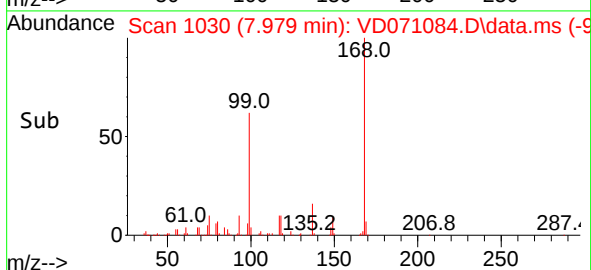
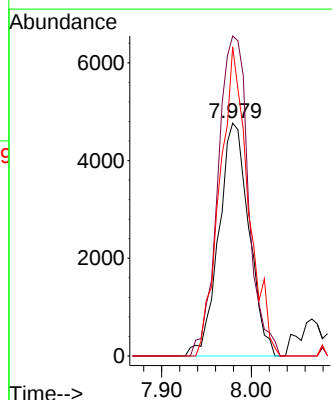
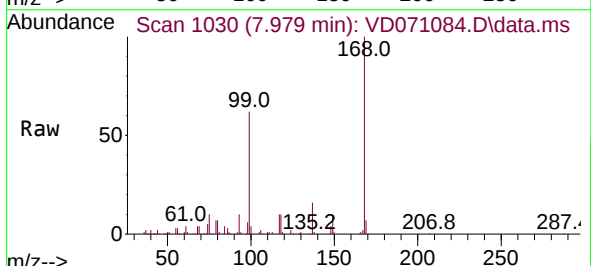
Instrument :
MSVOA_D
ClientSampleId :
HD-1-112921

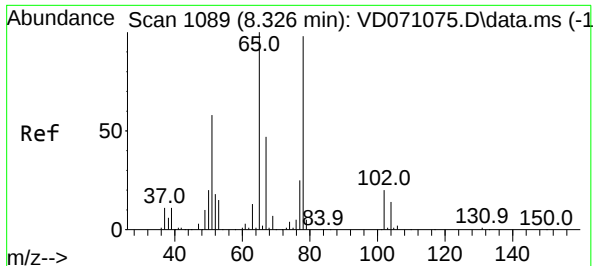
Tgt Ion: 43 Resp: 553
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.534 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071084.D
Acq: 30 Nov 2021 13:45

Tgt Ion: 56 Resp: 11122
Ion Ratio Lower Upper
56 100
69 137.4 25.9 38.9#
84 132.8 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 40.003 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071084.D

Acq: 30 Nov 2021 13:45

Instrument :

MSVOA_D

ClientSampleId :

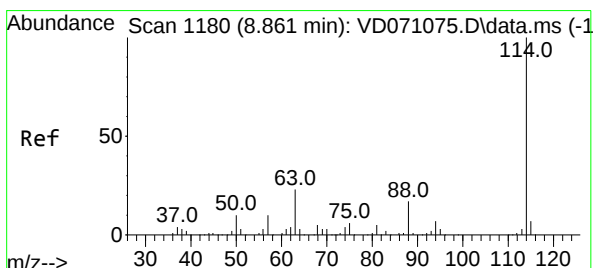
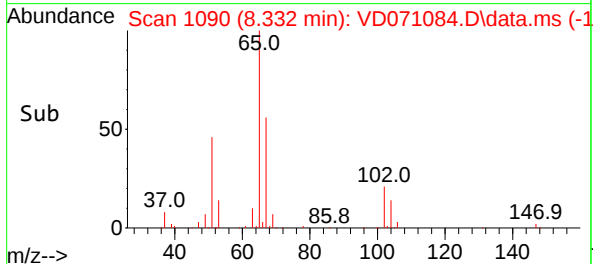
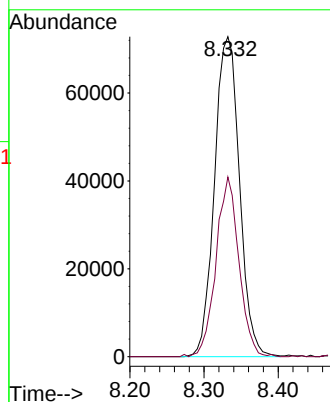
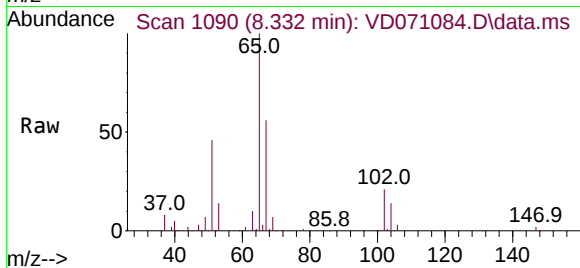
HD-1-112921

Tgt Ion: 65 Resp: 170516

Ion Ratio Lower Upper

65 100

67 51.5 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: VD071084.D

Acq: 30 Nov 2021 13:45

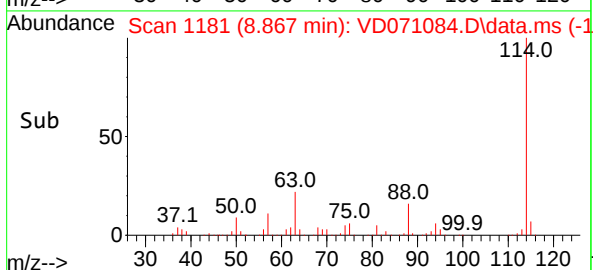
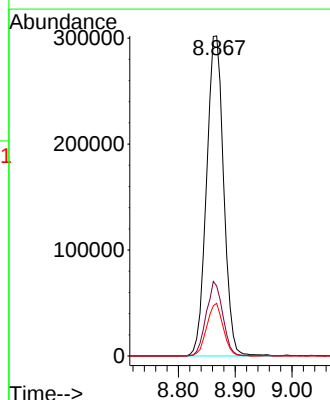
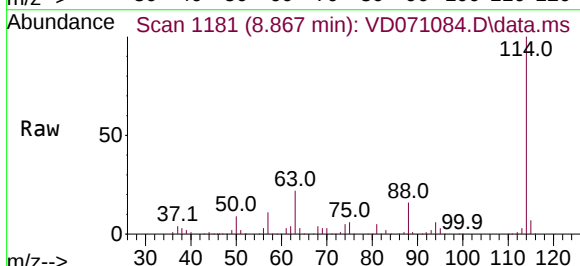
Tgt Ion: 114 Resp: 628860

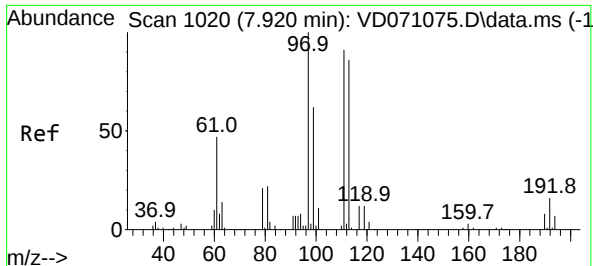
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.230 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD071084.D

Acq: 30 Nov 2021 13:45

Instrument :

MSVOA_D

ClientSampleId :

HD-1-112921

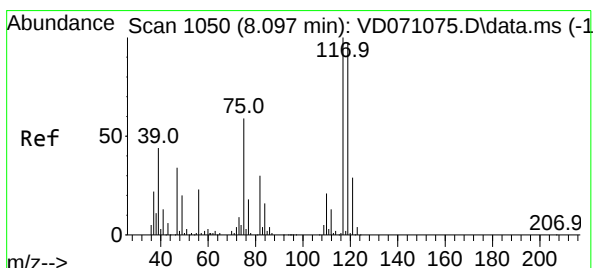
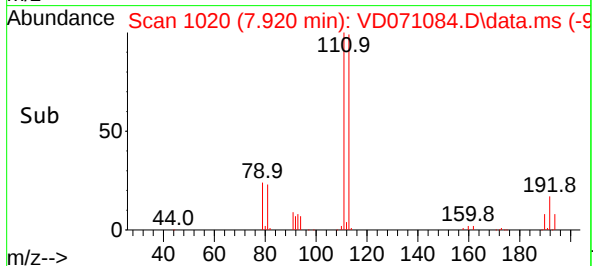
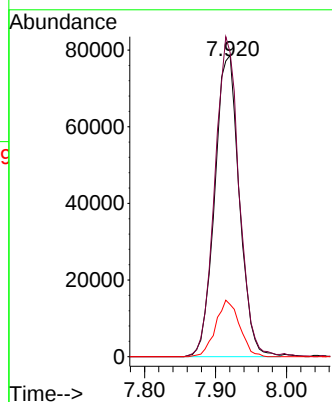
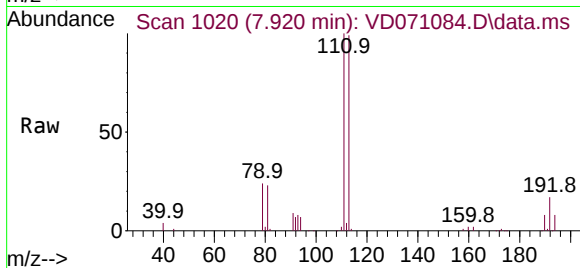
Tgt Ion:113 Resp: 189133

Ion Ratio Lower Upper

113 100

111 104.4 82.0 123.0

192 18.2 15.2 22.8



#38

Carbon Tetrachloride

Concen: 6.613 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.112 min

Lab File: VD071084.D

Acq: 30 Nov 2021 13:45

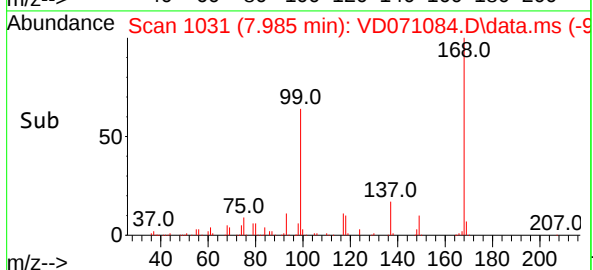
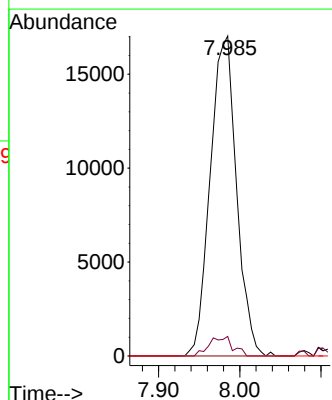
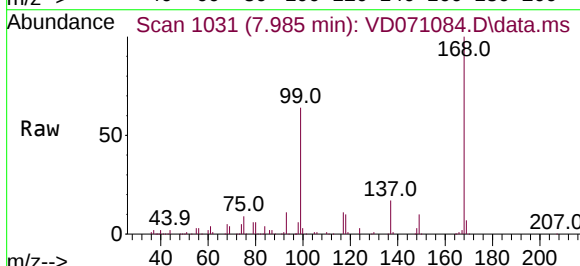
Tgt Ion:117 Resp: 38313

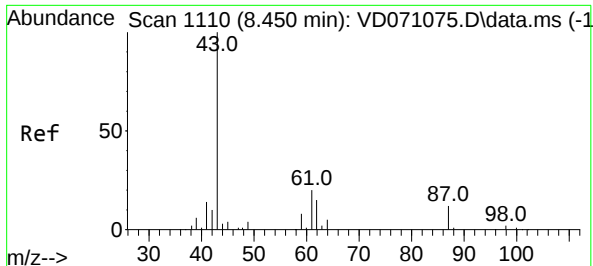
Ion Ratio Lower Upper

117 100

119 6.1 75.8 113.6#

121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.255 ug/l

RT: 8.450 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VD071084.D

Acq: 30 Nov 2021 13:45

Instrument :

MSVOA_D

ClientSampleId :

HD-1-112921

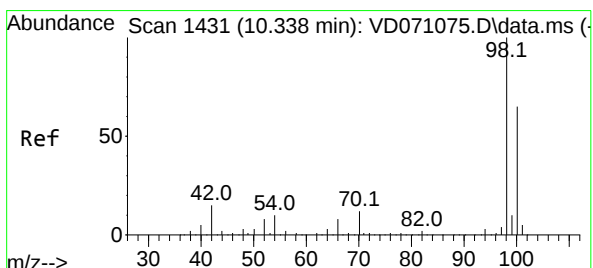
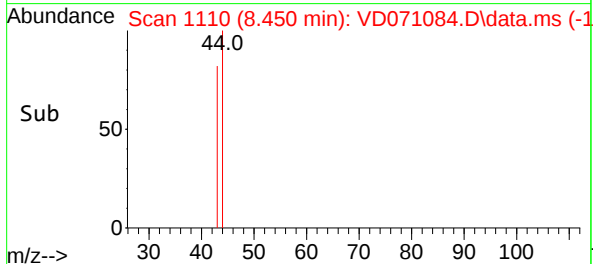
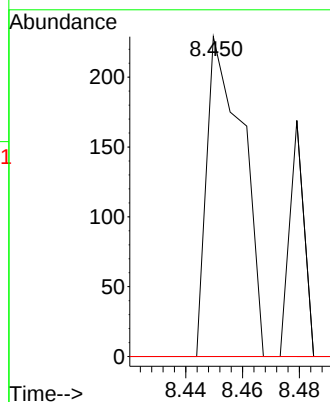
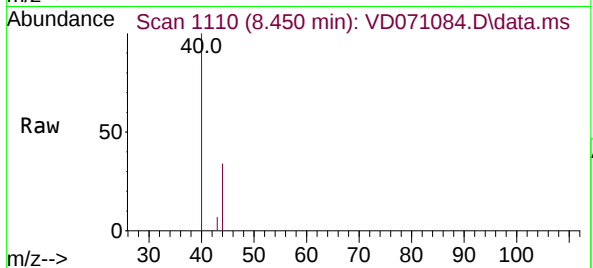
Tgt Ion: 43 Resp: 201

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#50

Toluene-d8

Concen: 51.176 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071084.D

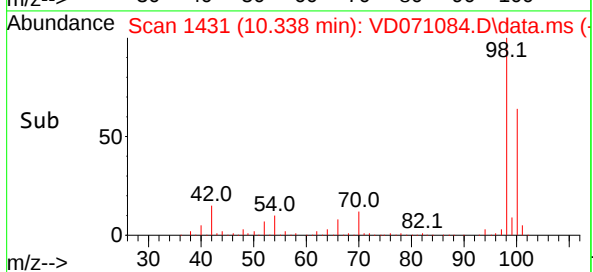
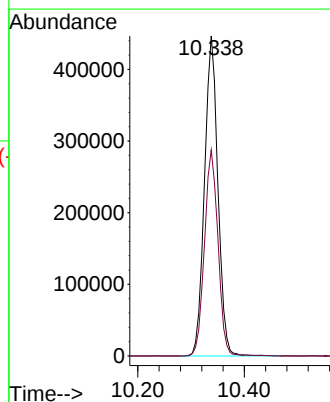
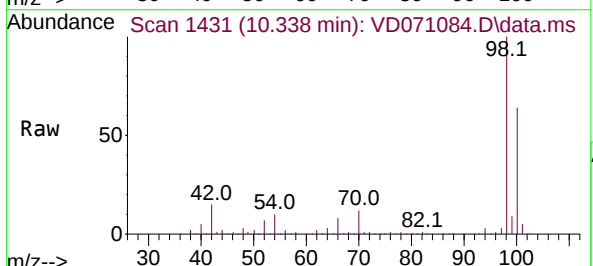
Acq: 30 Nov 2021 13:45

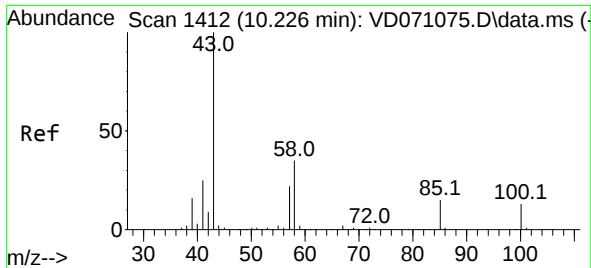
Tgt Ion: 98 Resp: 779890

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.6

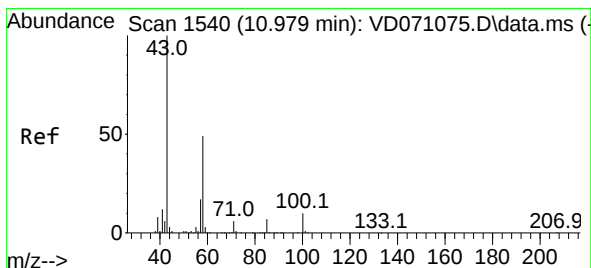
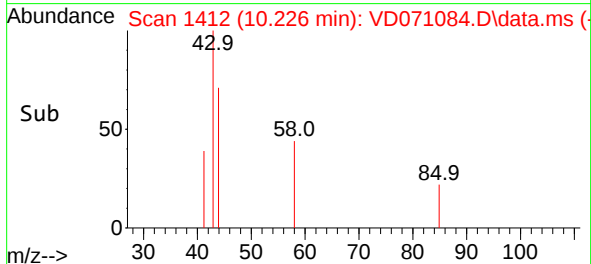
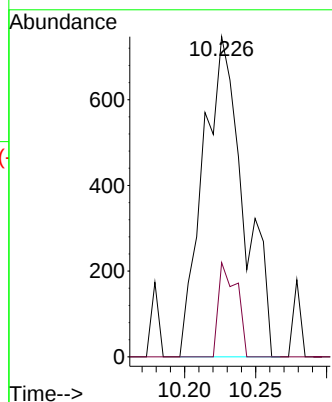
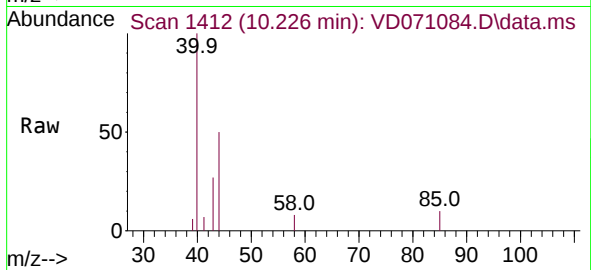




#51
4-Methyl-2-Pentanone
Concen: 31.106 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD071084.D
Acq: 30 Nov 2021 13:45

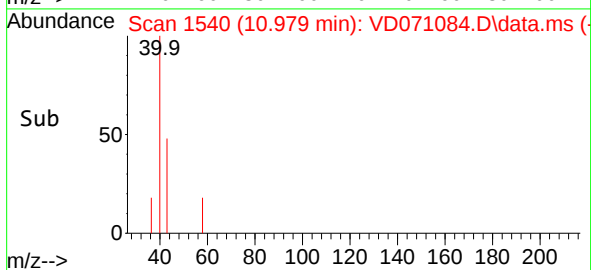
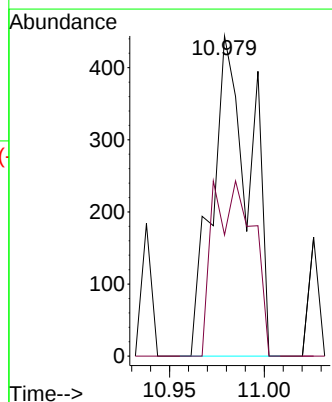
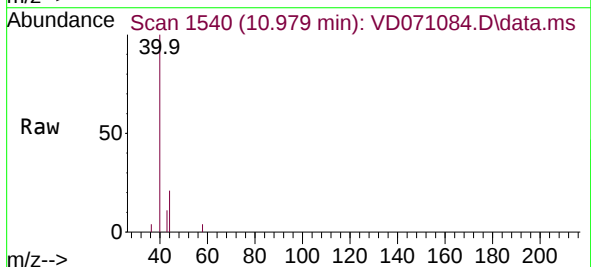
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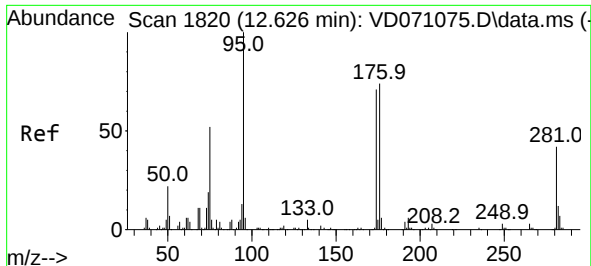
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Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 34.820 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071084.D
Acq: 30 Nov 2021 13:45

Tgt Ion: 43 Resp: 616
Ion Ratio Lower Upper
43 100
58 58.1 28.7 86.1

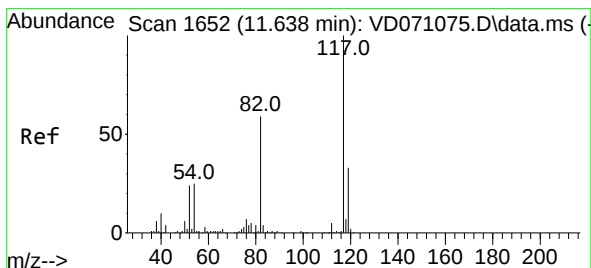
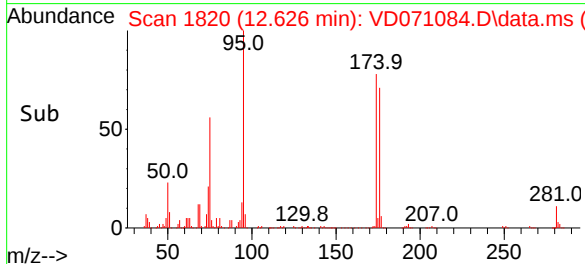
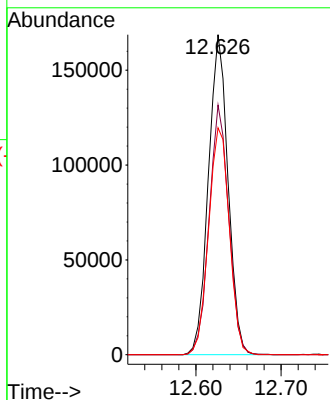
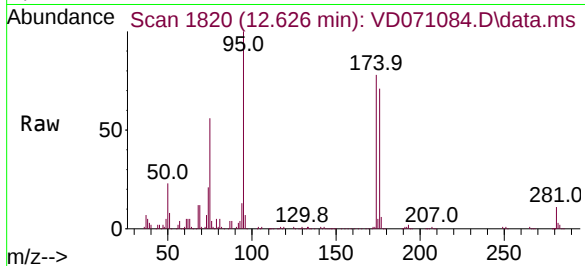




#62
4-Bromofluorobenzene
Concen: 51.177 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071084.D
Acq: 30 Nov 2021 13:45

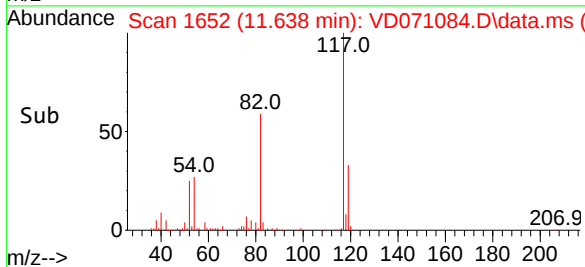
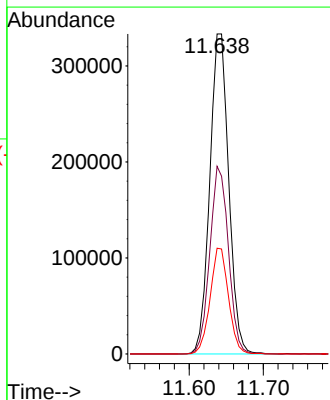
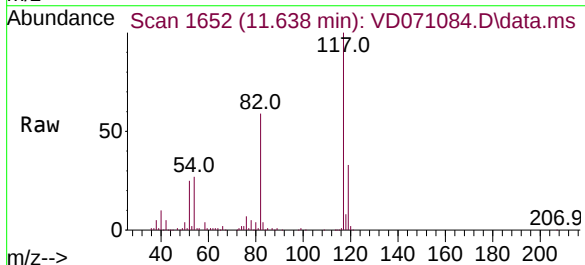
Instrument :
MSVOA_D
ClientSampleId :
HD-1-112921

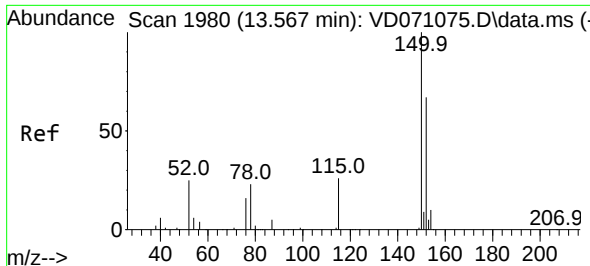
Tgt Ion: 95 Resp: 270344
Ion Ratio Lower Upper
95 100
174 77.9 0.0 159.4
176 75.0 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071084.D
Acq: 30 Nov 2021 13:45

Tgt Ion: 117 Resp: 591949
Ion Ratio Lower Upper
117 100
82 58.6 44.7 67.1
119 33.1 26.2 39.4

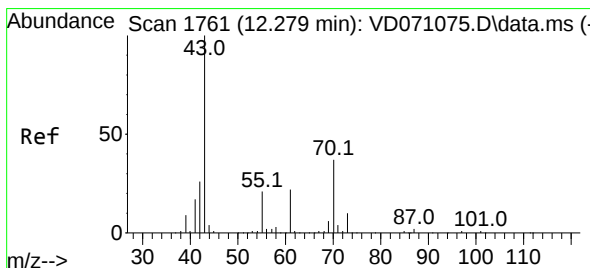
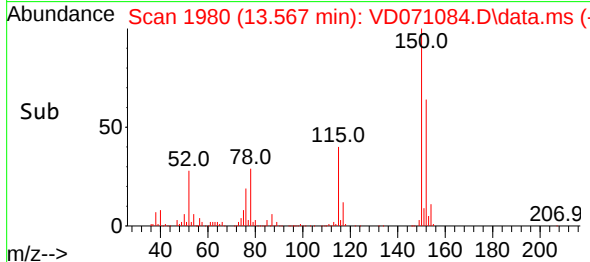
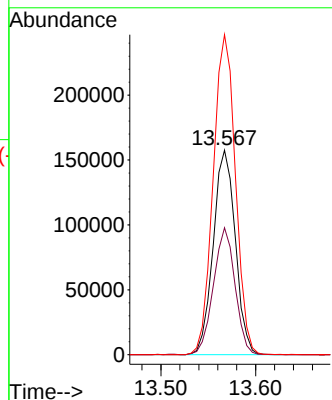
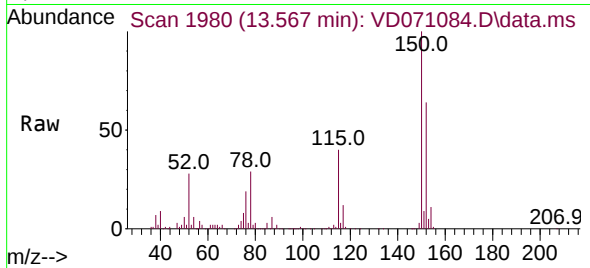




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD071084.D
 Acq: 30 Nov 2021 13:45

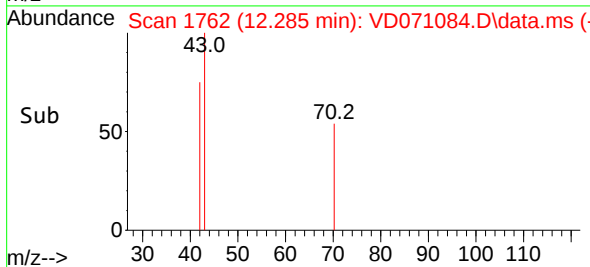
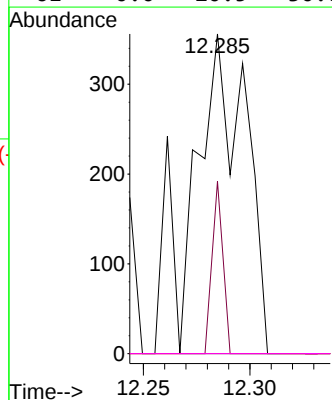
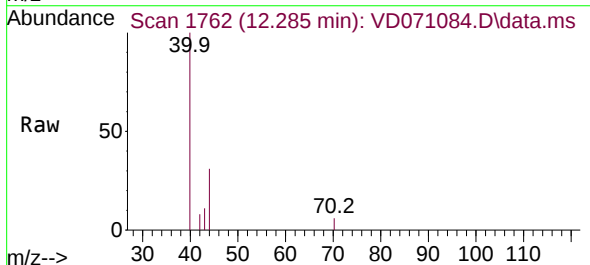
Instrument :
 MSVOA_D
 ClientSampleId :
 HD-1-112921

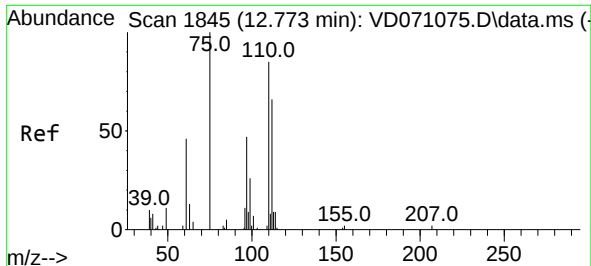
Tgt Ion:152 Resp: 255164
 Ion Ratio Lower Upper
 152 100
 115 60.6 29.8 89.3
 150 157.9 0.0 349.2



#74
 N-ethyl acetate
 Concen: 5.795 ug/l
 RT: 12.285 min Scan# 1762
 Delta R.T. 0.006 min
 Lab File: VD071084.D
 Acq: 30 Nov 2021 13:45

Tgt Ion: 43 Resp: 537
 Ion Ratio Lower Upper
 43 100
 70 12.7 36.6 55.0#
 55 0.0 22.5 33.7#
 61 0.0 20.5 30.7#

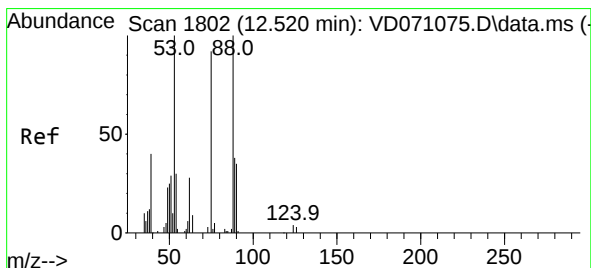
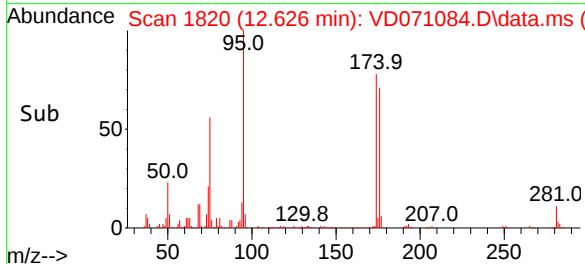
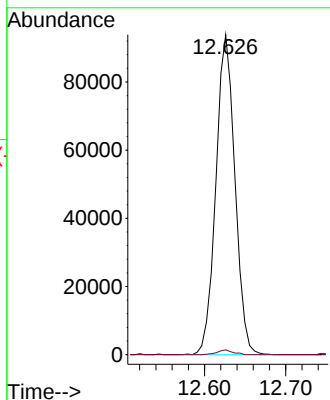
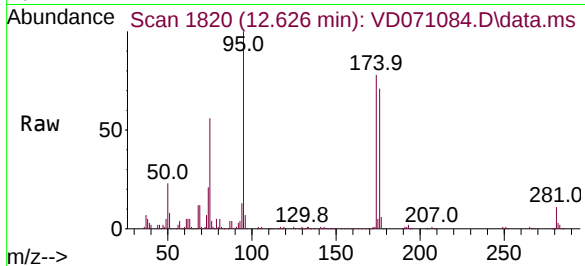




#76
1,2,3-Trichloropropane
Concen: 62.982 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071084.D
Acq: 30 Nov 2021 13:45

Instrument :
MSVOA_D
ClientSampleId :
HD-1-112921

Tgt Ion: 75 Resp: 153116
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.075 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071084.D
Acq: 30 Nov 2021 13:45

Tgt Ion: 75 Resp: 153116
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.0 34.5 51.7#

