

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111021\
 Data File : VD070971.D
 Acq On : 10 Nov 2021 15:41
 Operator : VA/SY
 Sample : M4523-10
 Misc : 5.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 11 06:29:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

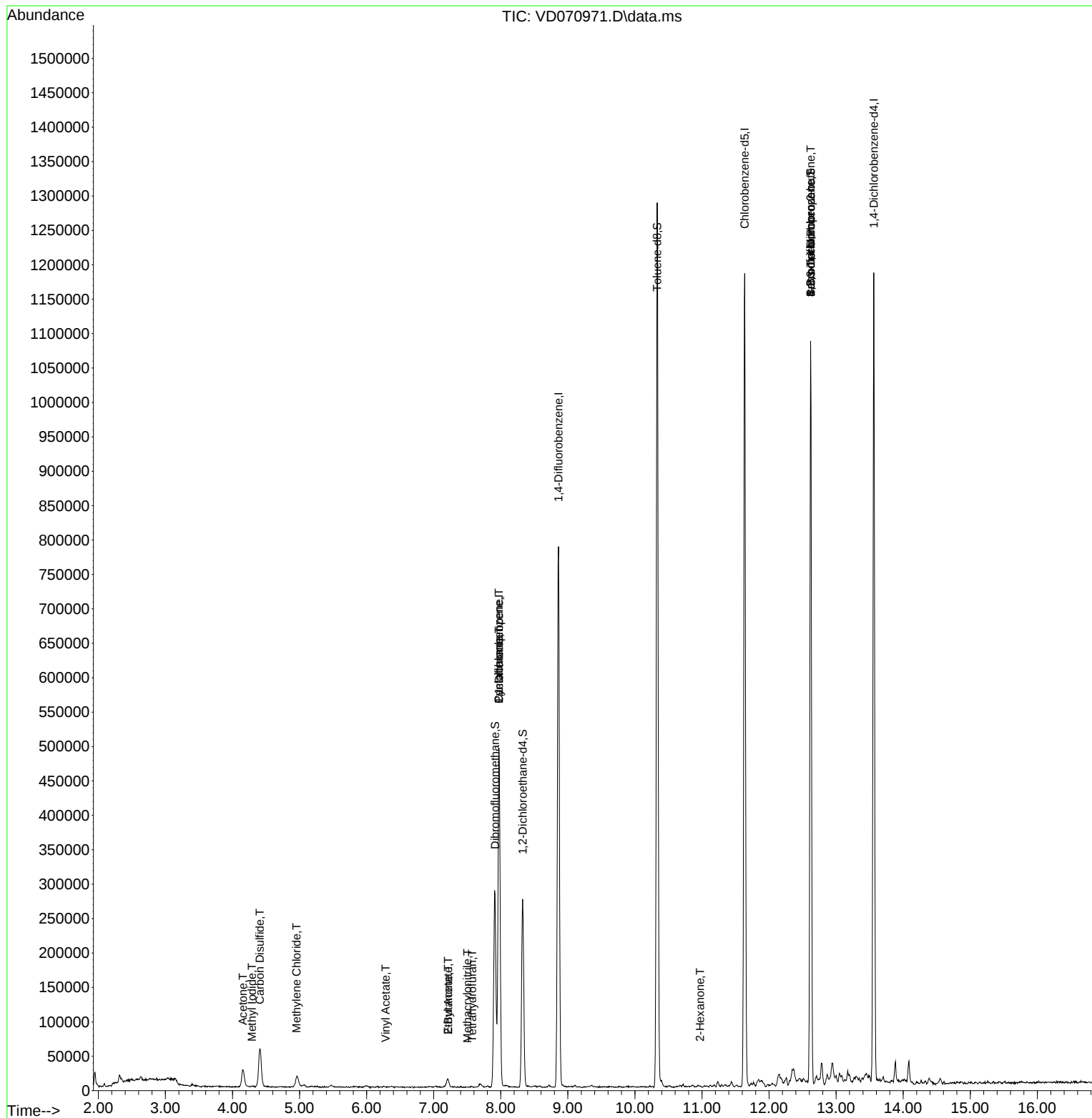
Internal Standards						
1) Pentafluorobenzene	7.973	168	358134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	660878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	643065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	294281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	211781	55.541	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.080%	
35) Dibromofluoromethane	7.914	113	202490	54.298	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.600%	
50) Toluene-d8	10.332	98	831728	56.950	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 113.900%	
62) 4-Bromofluorobenzene	12.620	95	310515	59.050	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 118.100%	
Target Compounds						Qvalue
10) Methyl Iodide	4.291	142	705	6.171	ug/l #	53
13) Acrolein	3.932	56	137	Below Cal		96
16) Acetone	4.155	43	48251	62.943	ug/l #	85
17) Carbon Disulfide	4.408	76	118236	10.767	ug/l	99
20) Methylene Chloride	4.955	84	11213	2.181	ug/l	97
23) Vinyl Acetate	6.285	43	68	20.991	ug/l #	72
25) 2-Butanone	7.214	43	12127	28.738	ug/l	97
29) Tetrahydrofuran	7.573	42	976	1.260	ug/l #	34
31) Cyclohexane	7.973	56	9874	1.259	ug/l #	16
36) 1,1-Dichloropropene	7.973	75	30876	5.233	ug/l #	49
37) Ethyl Acetate	7.214	43	12127	4.505	ug/l #	85
41) Methacrylonitrile	7.502	41	480	3.731	ug/l #	18
59) 2-Hexanone	10.973	43	978	16.359	ug/l #	48
71) Bromoform	12.620	173	2596	1.222	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	167506	66.636	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	167506	123.104	ug/l #	18

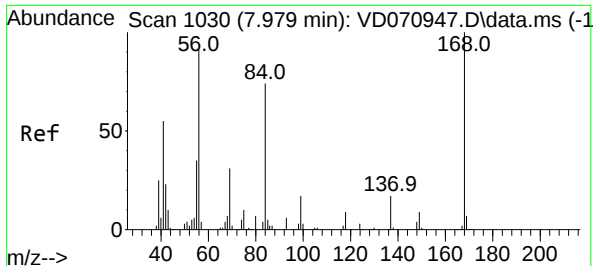
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
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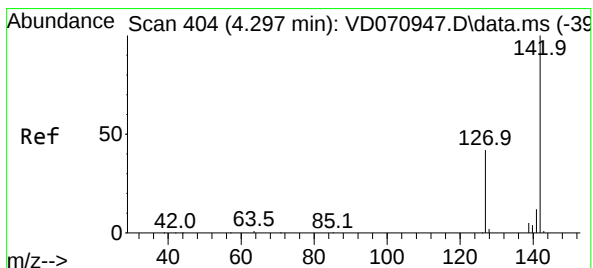
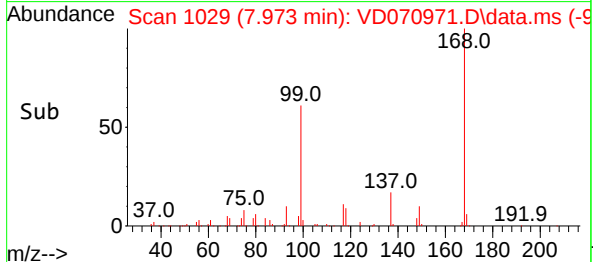
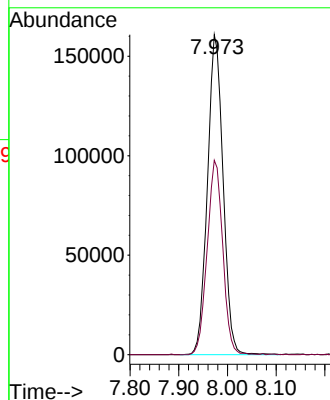
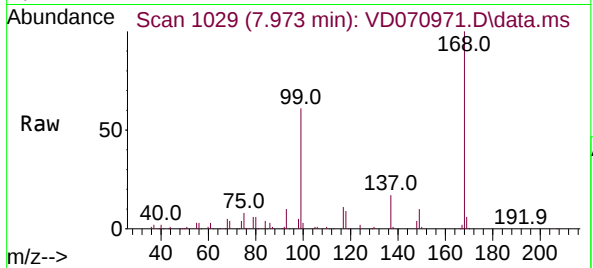




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD070971.D
Acq: 10 Nov 2021 15:41

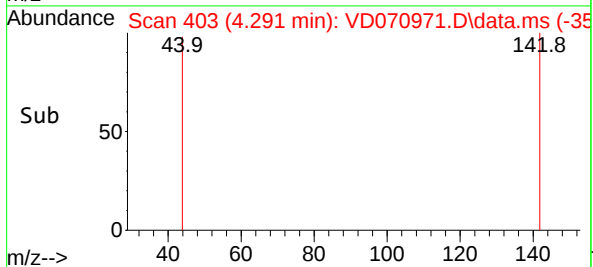
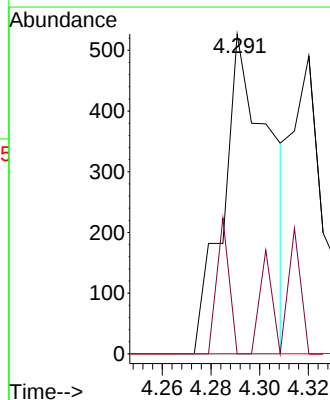
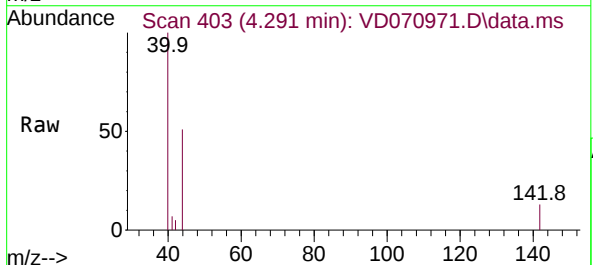
Instrument :
MSVOA_D
ClientSampleId :

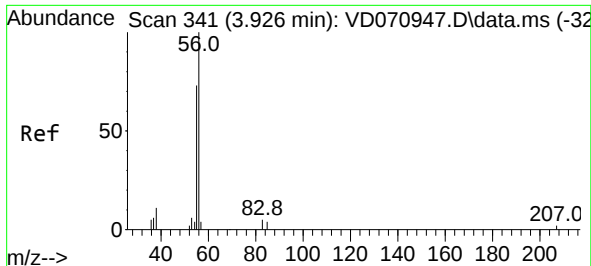
Tgt Ion:168 Resp: 358134
Ion Ratio Lower Upper
168 100
99 60.8 46.6 69.8



#10
Methyl Iodide
Concen: 6.171 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070971.D
Acq: 10 Nov 2021 15:41

Tgt Ion:142 Resp: 705
Ion Ratio Lower Upper
142 100
127 11.2 35.0 52.4#
141 0.0 12.0 18.0#

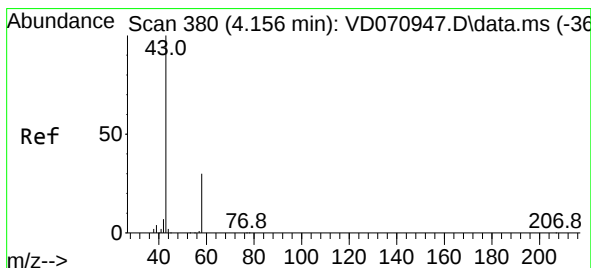
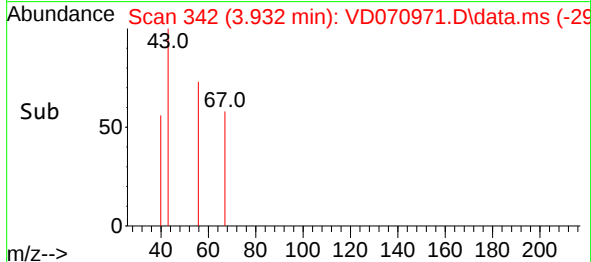
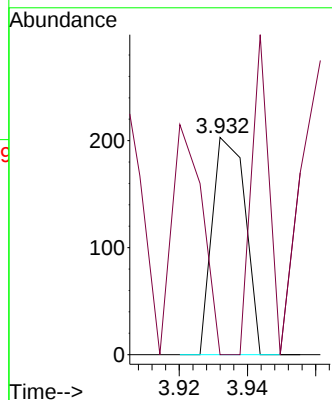
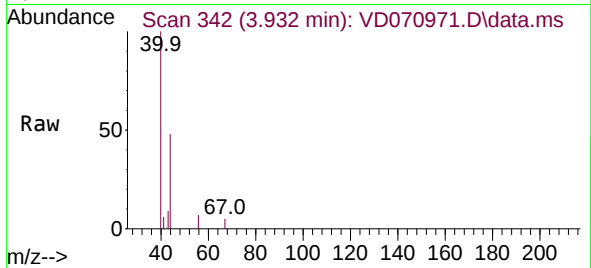




#13
Acrolein
Concen: Below Cal
RT: 3.932 min Scan# 341
Delta R.T. 0.006 min
Lab File: VD070971.D
Acq: 10 Nov 2021 15:41

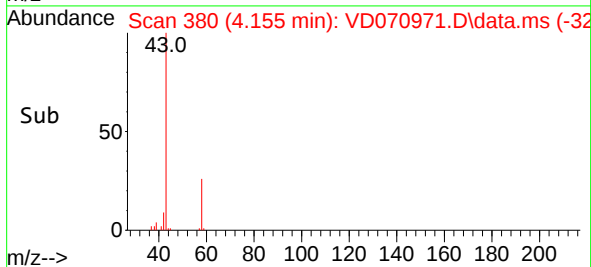
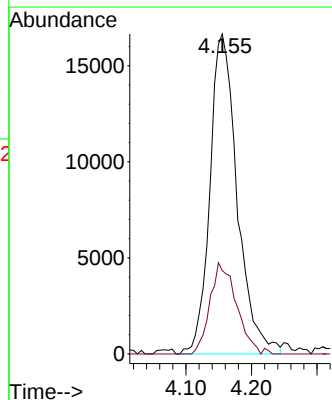
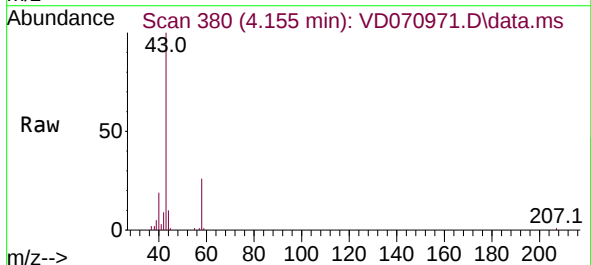
Instrument :
MSVOA_D
ClientSampleId :

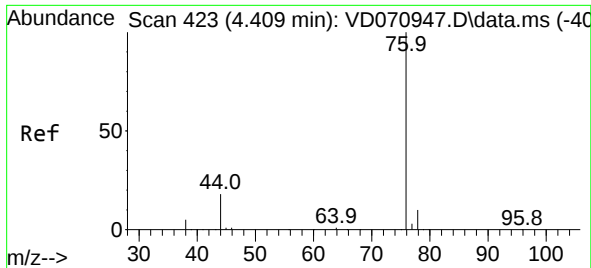
Tgt Ion: 56 Resp: 137
Ion Ratio Lower Upper
56 100
55 76.6 58.6 87.8



#16
Acetone
Concen: 62.943 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.001 min
Lab File: VD070971.D
Acq: 10 Nov 2021 15:41

Tgt Ion: 43 Resp: 48251
Ion Ratio Lower Upper
43 100
58 26.0 27.8 41.8#

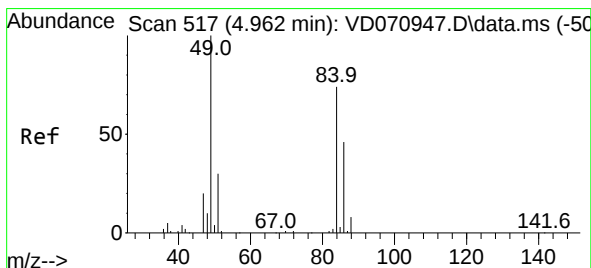
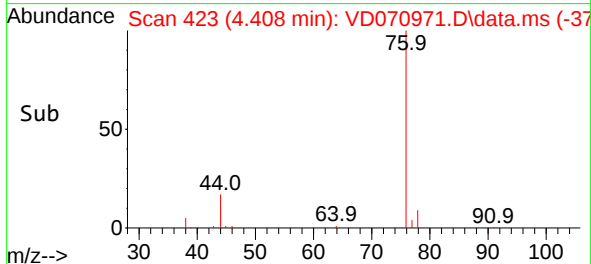
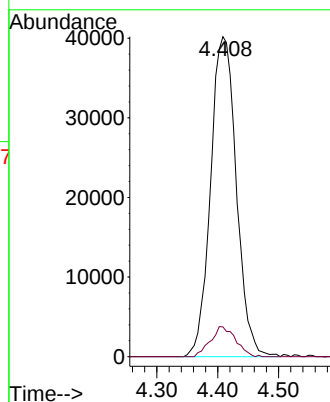
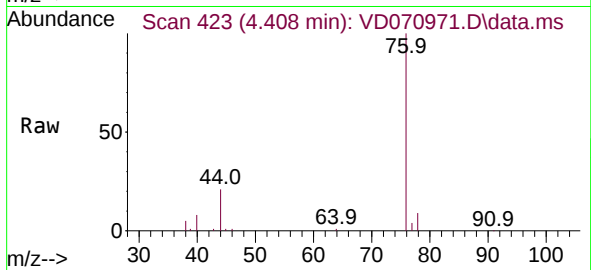




#17
Carbon Disulfide
Concen: 10.767 ug/l
RT: 4.408 min Scan# 41
Delta R.T. -0.001 min
Lab File: VD070971.D
Acq: 10 Nov 2021 15:41

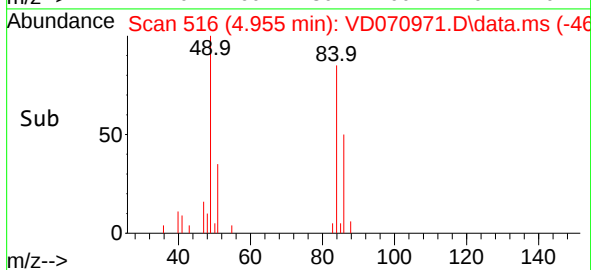
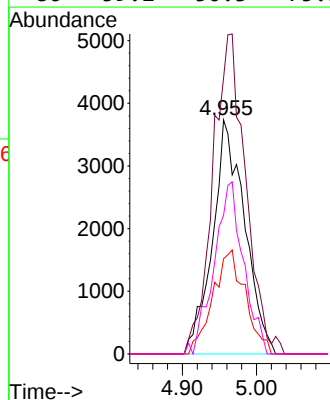
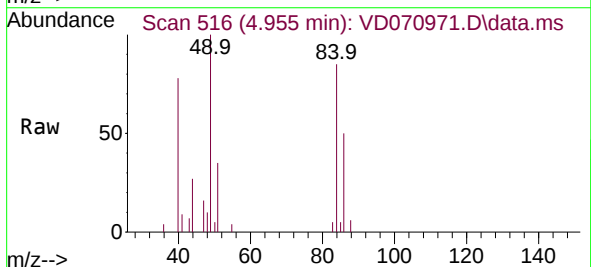
Instrument :
MSVOA_D
ClientSampleId :

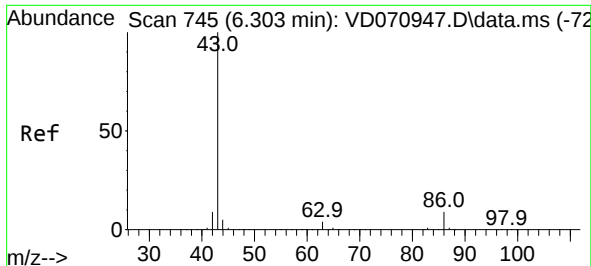
Tgt Ion: 76 Resp: 118236
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.8



#20
Methylene Chloride
Concen: 2.181 ug/l
RT: 4.955 min Scan# 516
Delta R.T. -0.007 min
Lab File: VD070971.D
Acq: 10 Nov 2021 15:41

Tgt Ion: 84 Resp: 11213
Ion Ratio Lower Upper
84 100
49 117.9 95.8 143.6
51 40.7 30.9 46.3
86 59.2 50.3 75.5

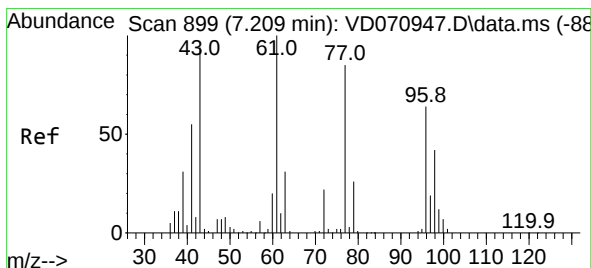
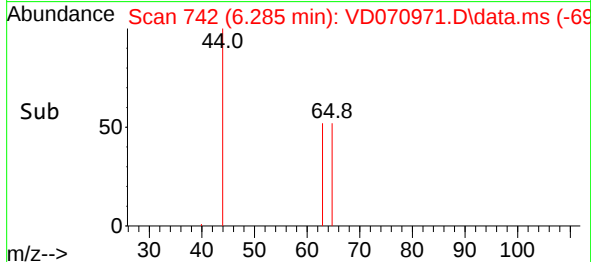
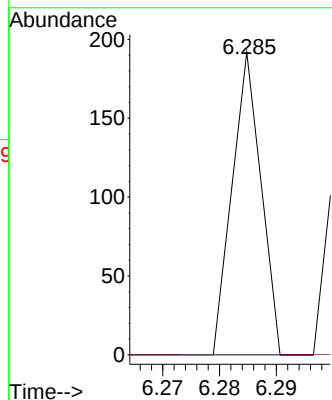
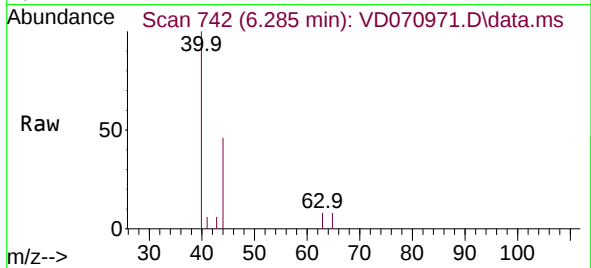




#23
 Vinyl Acetate
 Concen: 20.991 ug/l
 RT: 6.285 min Scan# 745
 Delta R.T. -0.018 min
 Lab File: VD070971.D
 Acq: 10 Nov 2021 15:41

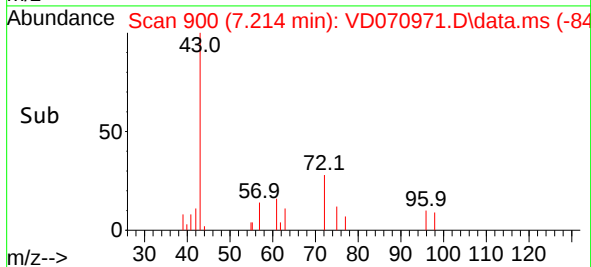
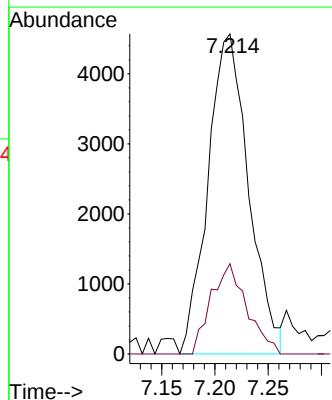
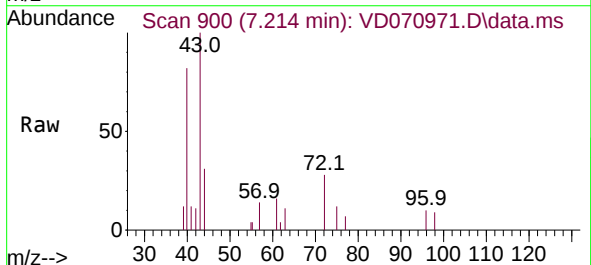
Instrument :
 MSVOA_D
 ClientSampleId :

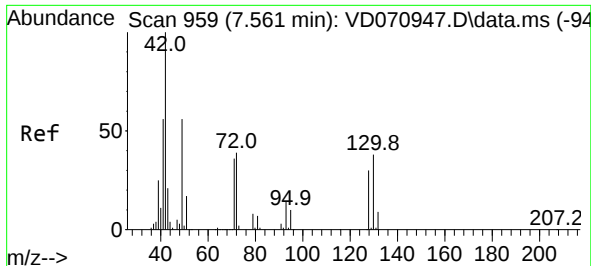
Tgt Ion: 43 Resp: 68
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.738 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. 0.005 min
 Lab File: VD070971.D
 Acq: 10 Nov 2021 15:41

Tgt Ion: 43 Resp: 12127
 Ion Ratio Lower Upper
 43 100
 72 28.2 23.8 35.6





#29

Tetrahydrofuran

Concen: 1.260 ug/l

RT: 7.573 min Scan# 9

Delta R.T. 0.012 min

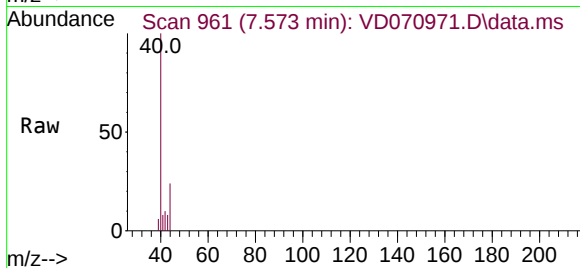
Lab File: VD070971.D

Acq: 10 Nov 2021 15:41

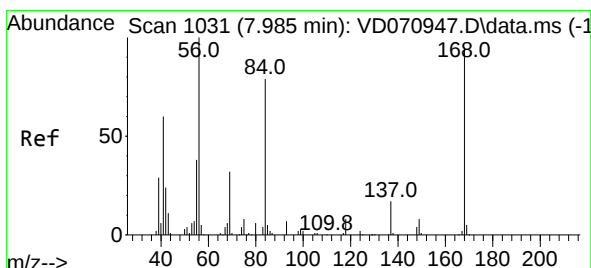
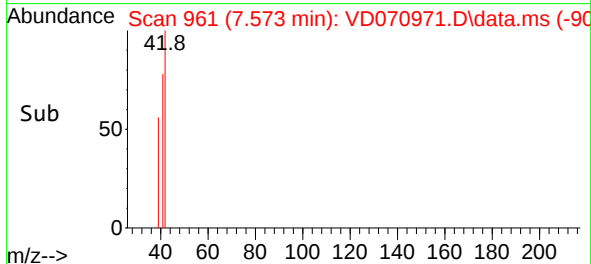
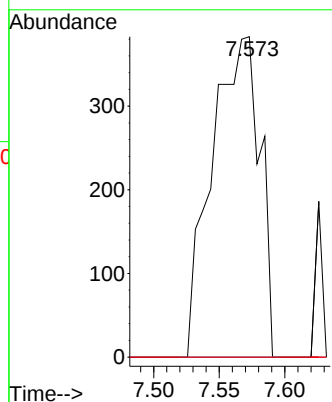
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	976
Ion Ratio	Lower	Upper	
42	100		
72	0.0	33.7	50.5#
71	0.0	32.7	49.1#



#31

Cyclohexane

Concen: 1.259 ug/l

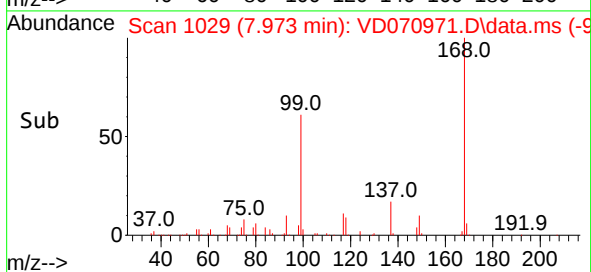
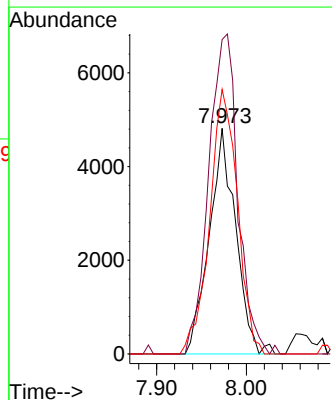
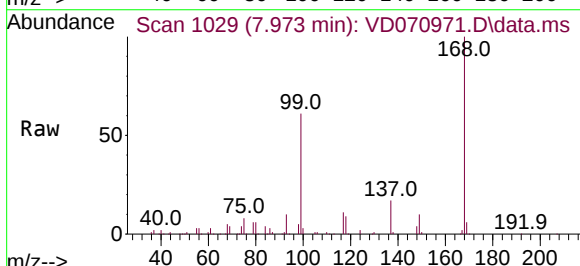
RT: 7.973 min Scan# 1029

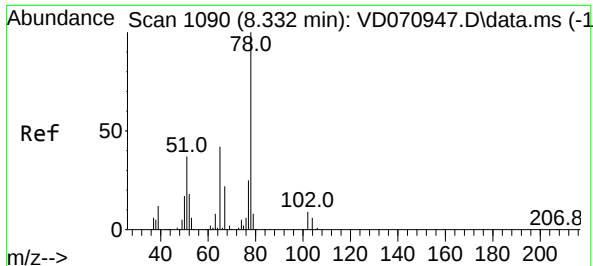
Delta R.T. -0.012 min

Lab File: VD070971.D

Acq: 10 Nov 2021 15:41

Tgt Ion:	56	Resp:	9874
Ion Ratio	Lower	Upper	
56	100		
69	139.4	25.9	38.9#
84	117.2	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 55.541 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD070971.D

Acq: 10 Nov 2021 15:41

Instrument :

MSVOA_D

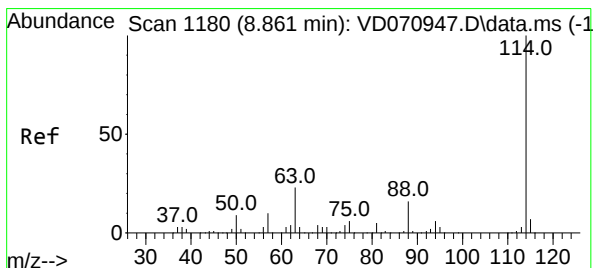
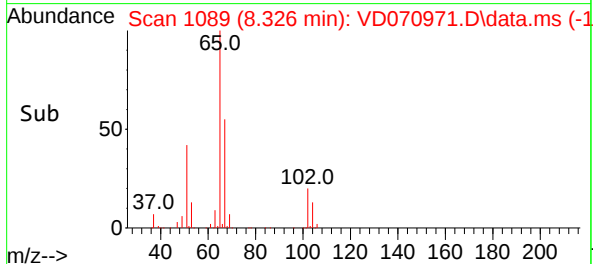
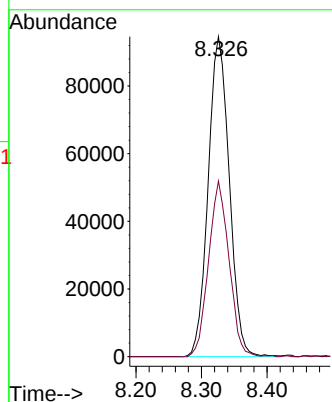
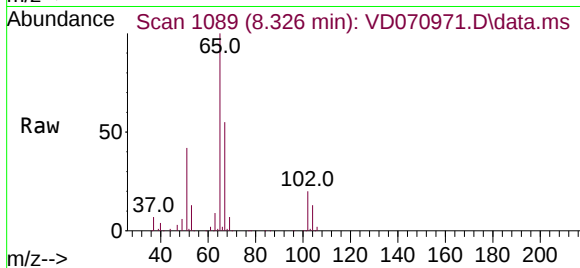
ClientSampleId :

Tgt Ion: 65 Resp: 211781

Ion Ratio Lower Upper

65 100

67 53.1 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070971.D

Acq: 10 Nov 2021 15:41

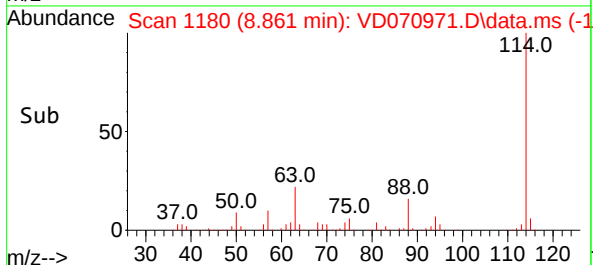
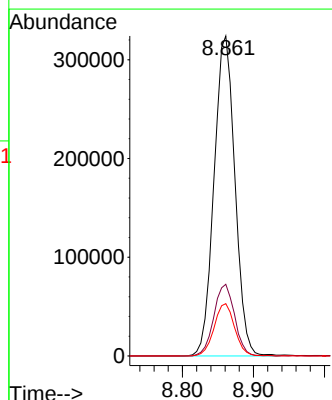
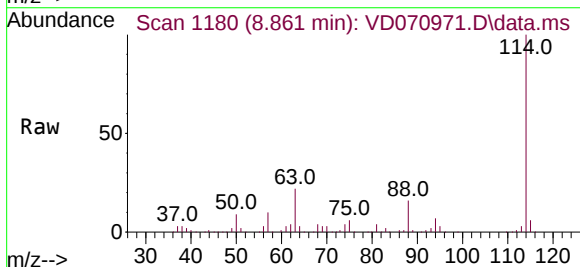
Tgt Ion: 114 Resp: 660878

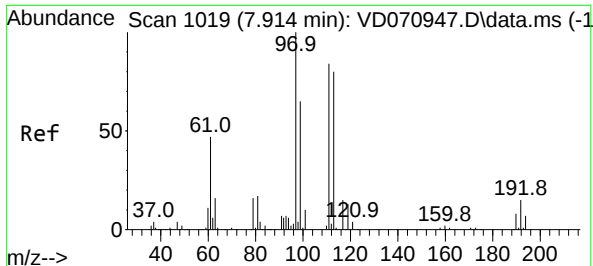
Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.8

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 54.298 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070971.D

Acq: 10 Nov 2021 15:41

Instrument :

MSVOA_D

ClientSampleId :

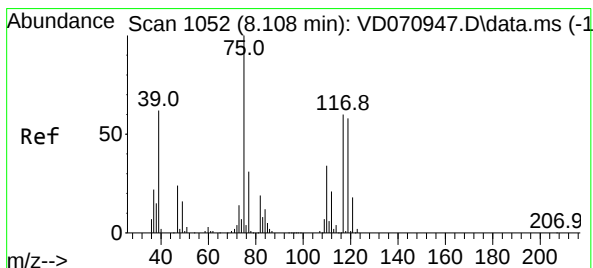
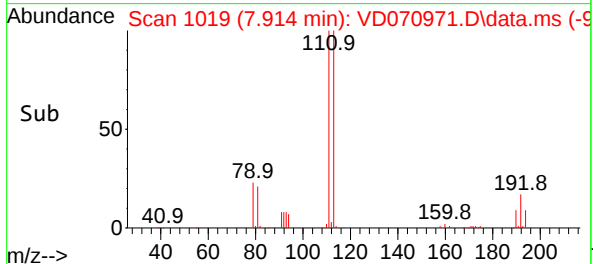
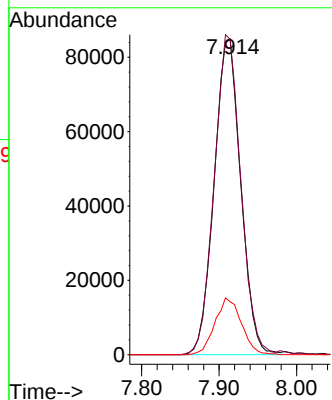
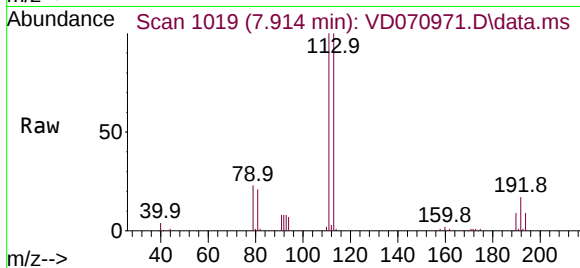
Tgt Ion:113 Resp: 202490

Ion Ratio Lower Upper

113 100

111 101.2 82.0 123.0

192 17.9 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.233 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070971.D

Acq: 10 Nov 2021 15:41

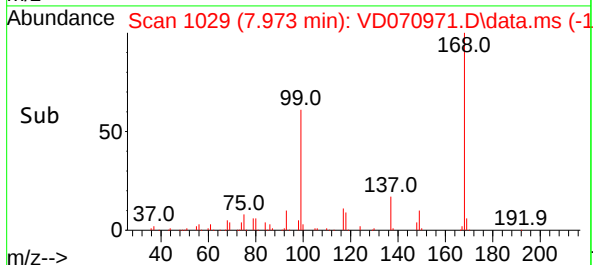
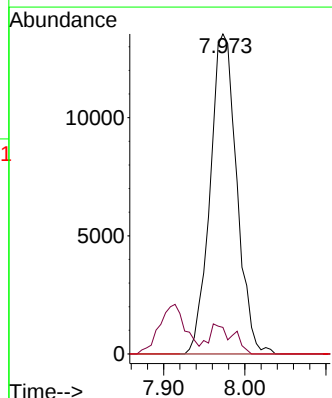
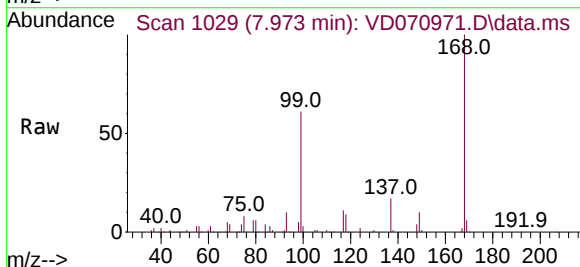
Tgt Ion: 75 Resp: 30876

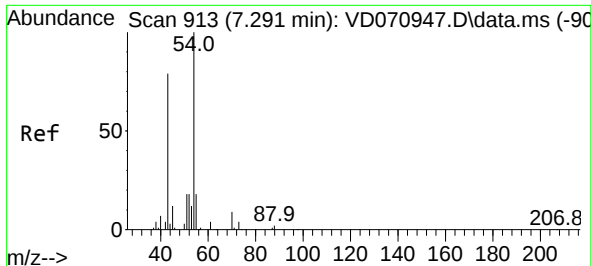
Ion Ratio Lower Upper

75 100

110 8.5 17.8 53.4#

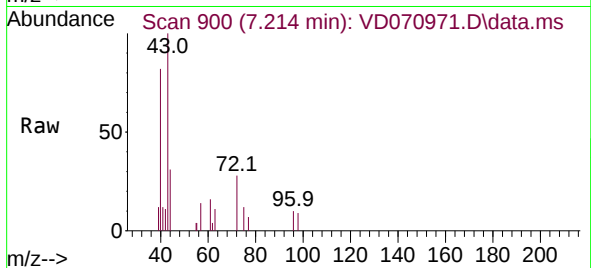
77 0.0 24.8 37.2#



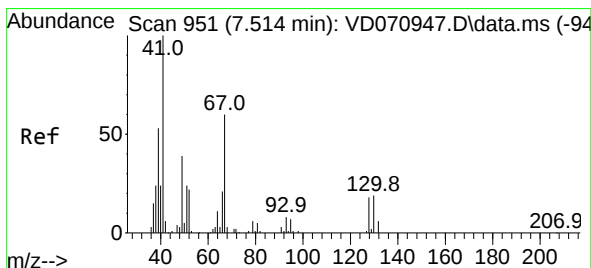
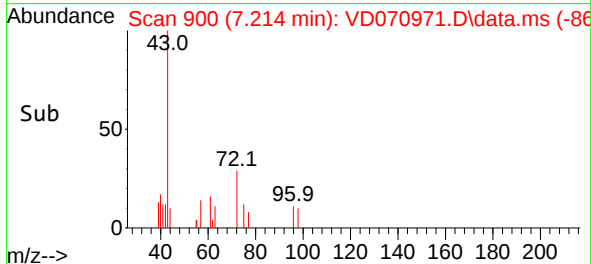
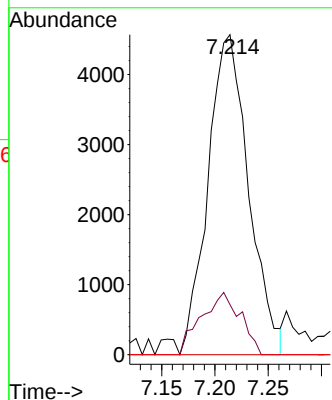


#37
Ethyl Acetate
Concen: 4.505 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD070971.D
Acq: 10 Nov 2021 15:41

Instrument :
MSVOA_D
ClientSampleId :

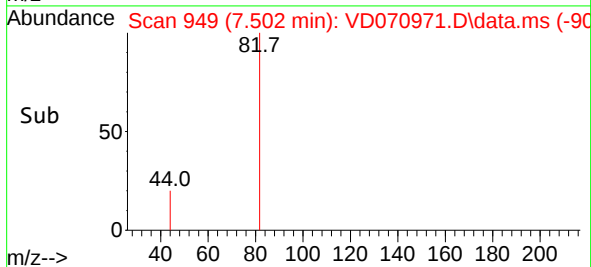
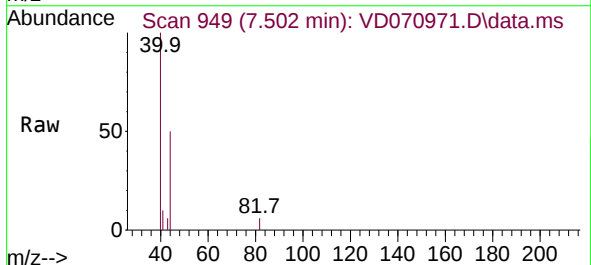
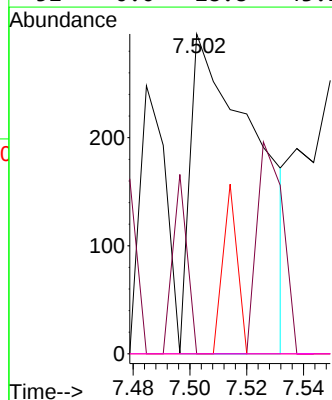


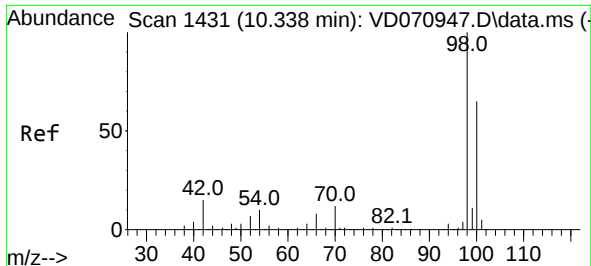
Tgt Ion: 43 Resp: 12127
Ion Ratio Lower Upper
43 100
61 18.8 13.0 19.6
70 0.0 8.7 13.1#



#41
Methacrylonitrile
Concen: 3.731 ug/l
RT: 7.502 min Scan# 949
Delta R.T. -0.012 min
Lab File: VD070971.D
Acq: 10 Nov 2021 15:41

Tgt Ion: 41 Resp: 480
Ion Ratio Lower Upper
41 100
39 12.3 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#

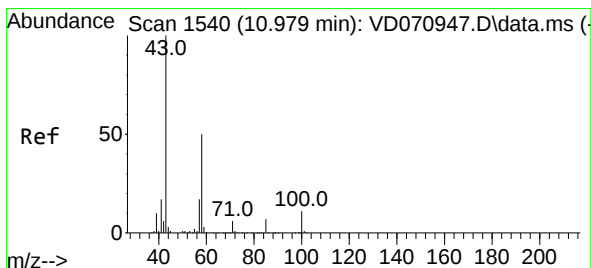
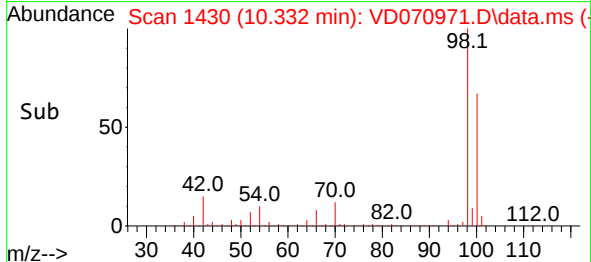
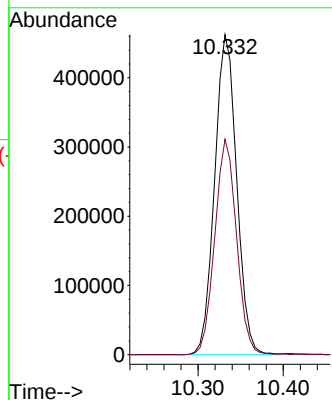
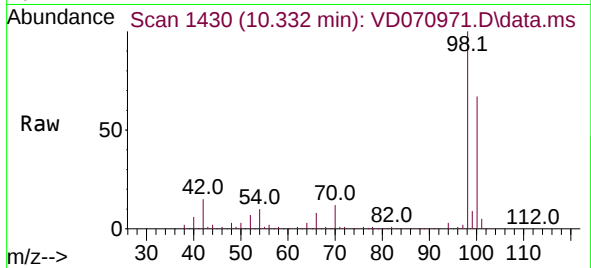




#50
Toluene-d8
Concen: 56.950 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD070971.D
Acq: 10 Nov 2021 15:41

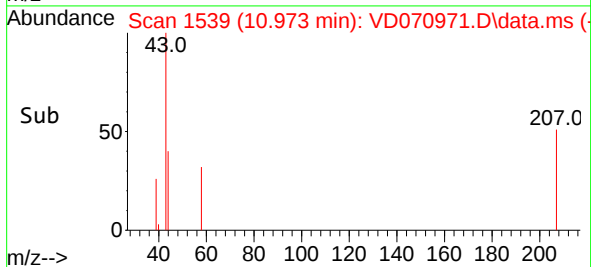
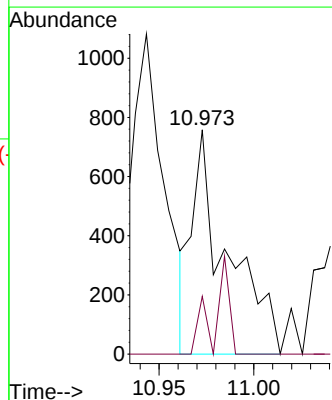
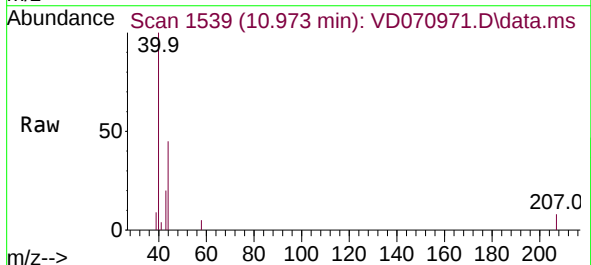
Instrument :
MSVOA_D
ClientSampleId :

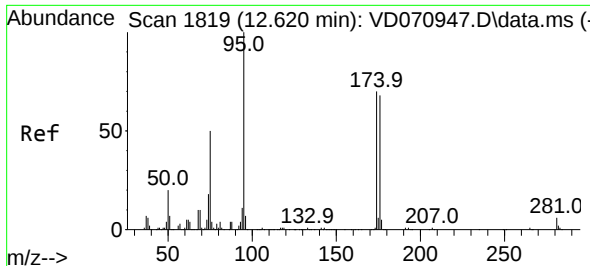
Tgt Ion: 98 Resp: 831728
Ion Ratio Lower Upper
98 100
100 66.6 51.8 77.6



#59
2-Hexanone
Concen: 16.359 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070971.D
Acq: 10 Nov 2021 15:41

Tgt Ion: 43 Resp: 978
Ion Ratio Lower Upper
43 100
58 19.0 28.7 86.1#

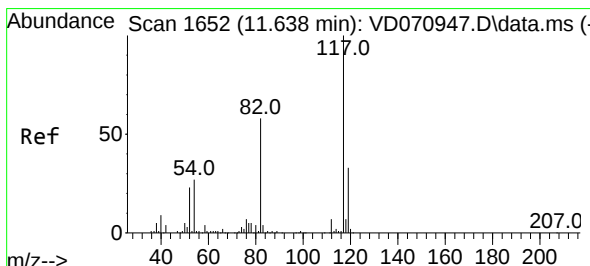
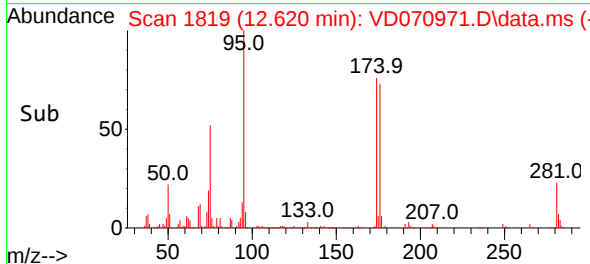
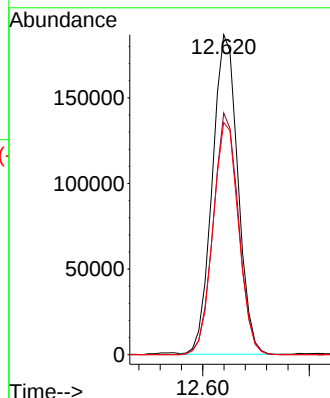
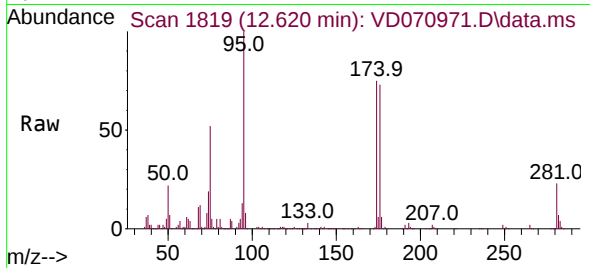




#62
4-Bromofluorobenzene
Concen: 59.050 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070971.D
Acq: 10 Nov 2021 15:41

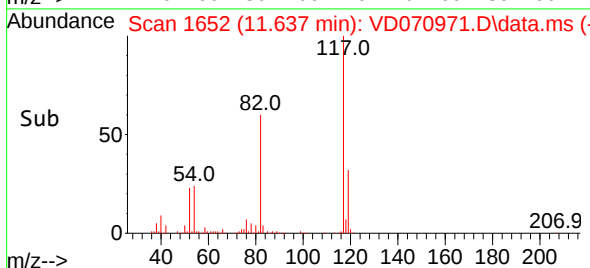
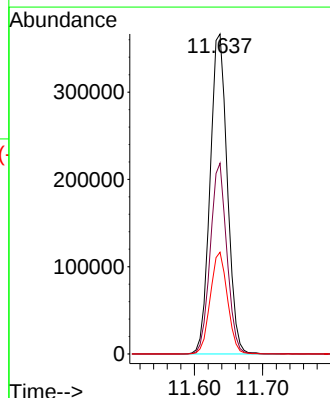
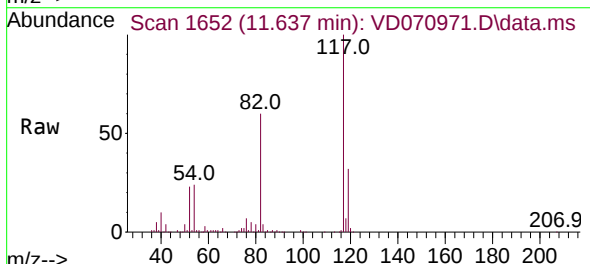
Instrument :
MSVOA_D
ClientSampleId :

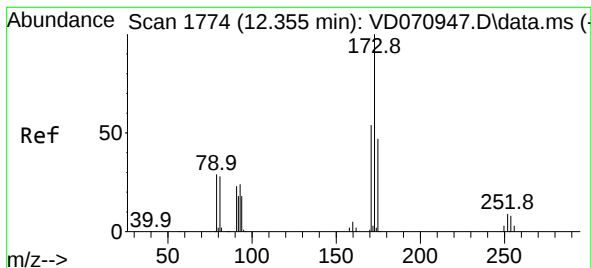
Tgt Ion: 95 Resp: 310515
Ion Ratio Lower Upper
95 100
174 74.9 0.0 159.4
176 72.9 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD070971.D
Acq: 10 Nov 2021 15:41

Tgt Ion: 117 Resp: 643065
Ion Ratio Lower Upper
117 100
82 59.6 44.7 67.1
119 31.8 26.2 39.4





#71

Bromoform

Concen: 1.222 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.265 min

Lab File: VD070971.D

Acq: 10 Nov 2021 15:41

Instrument :

MSVOA_D

ClientSampleId :

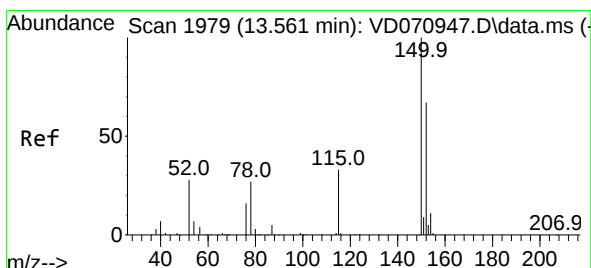
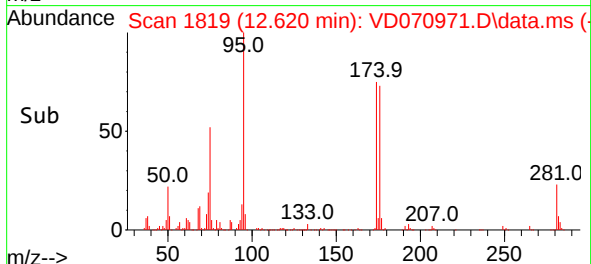
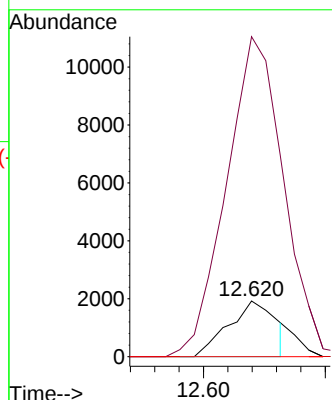
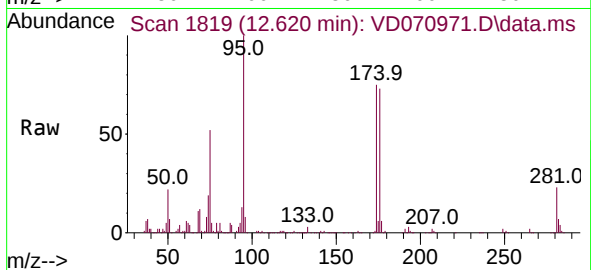
Tgt Ion:173 Resp: 2596

Ion Ratio Lower Upper

173 100

175 617.9 24.1 72.2#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VD070971.D

Acq: 10 Nov 2021 15:41

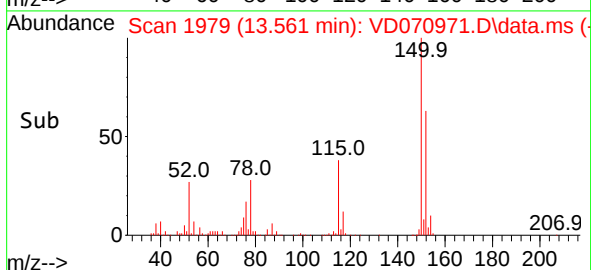
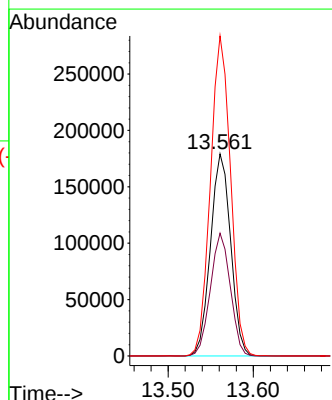
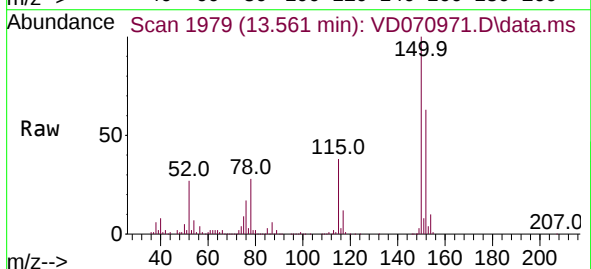
Tgt Ion:152 Resp: 294281

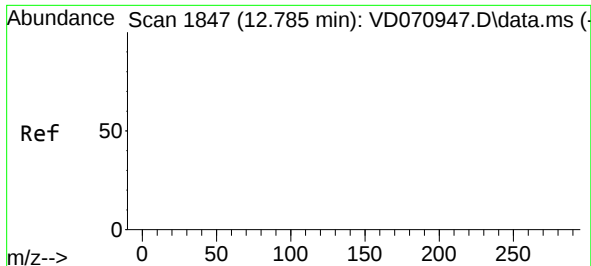
Ion Ratio Lower Upper

152 100

115 60.0 29.8 89.3

150 157.8 0.0 349.2

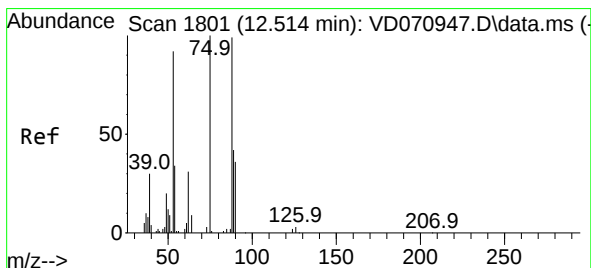
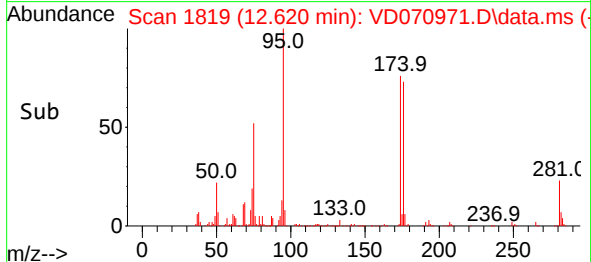
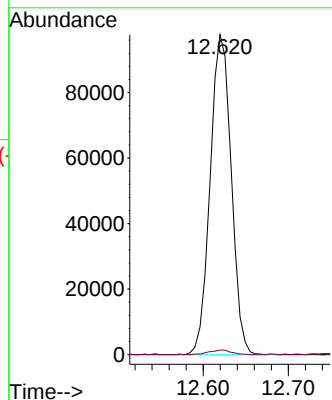
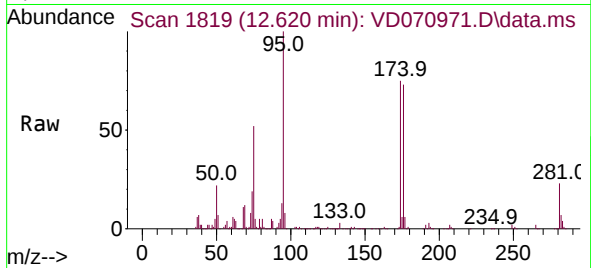




#76
1,2,3-Trichloropropane
Concen: 66.636 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD070971.D
Acq: 10 Nov 2021 15:41

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 167506
Ion Ratio Lower Upper
75 100
77 1.6 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.104 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD070971.D
Acq: 10 Nov 2021 15:41

Tgt Ion: 75 Resp: 167506
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.4 34.5 51.7#

