

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111921\
 Data File : VD071060.D
 Acq On : 19 Nov 2021 16:53
 Operator : VA/SY
 Sample : M4758-37
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 02:53:36 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)

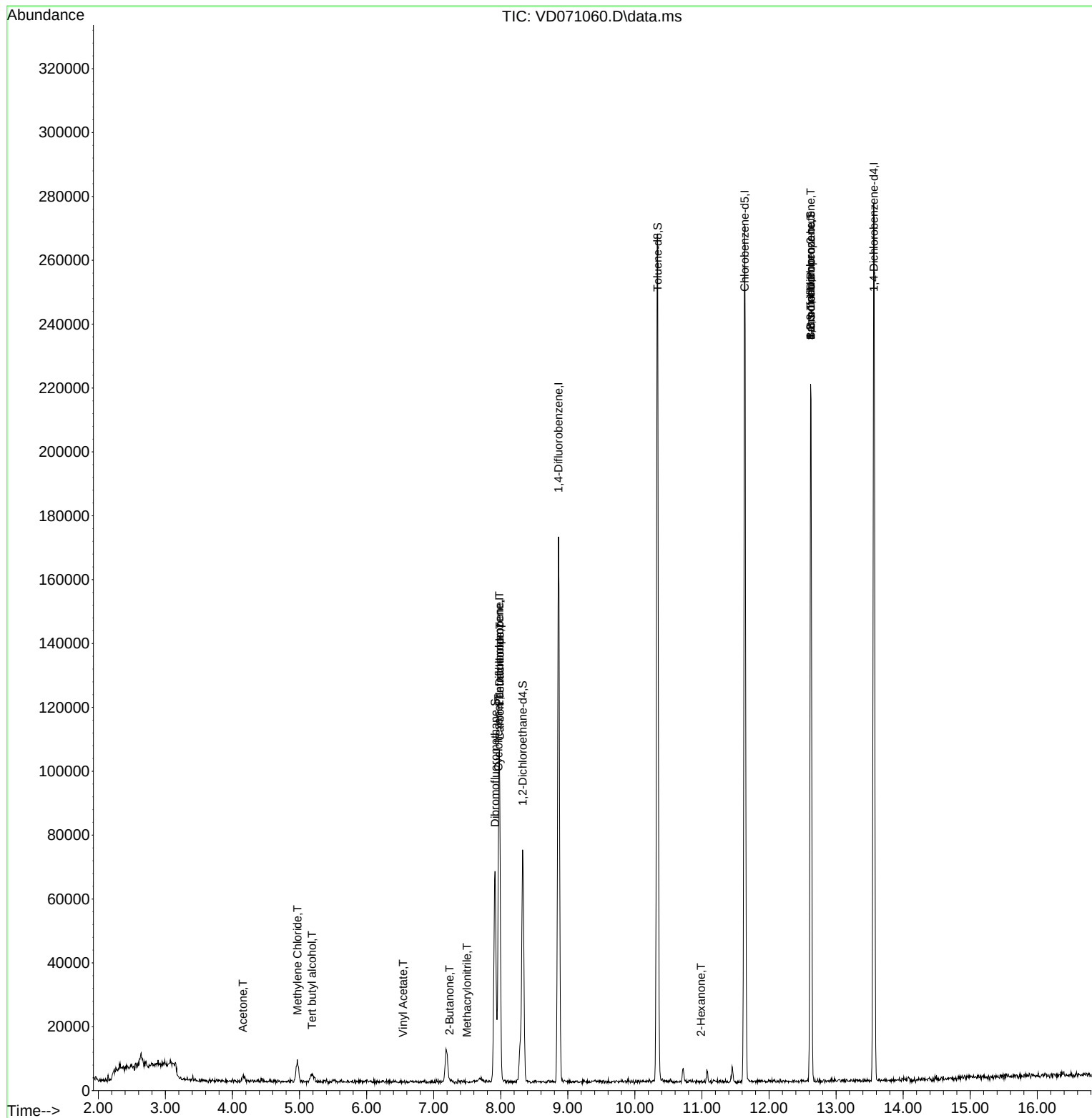
Internal Standards						
1) Pentafluorobenzene	7.979	168	72459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	136032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	141312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	67946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	54193	70.246	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.500%	
35) Dibromofluoromethane	7.914	113	44938	58.543	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.080%	
50) Toluene-d8	10.338	98	175230	58.291	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 116.580%	
62) 4-Bromofluorobenzene	12.620	95	69023	63.770	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 127.540%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.185	59	3241	57.483	ug/l #	71
16) Acetone	4.156	43	3746	36.352	ug/l	93
20) Methylene Chloride	4.968	84	4441	4.678	ug/l	90
23) Vinyl Acetate	6.544	43	61	21.019	ug/l #	72
25) 2-Butanone	7.238	43	79	20.637	ug/l #	45
31) Cyclohexane	7.967	56	2192	1.382	ug/l #	30
36) 1,1-Dichloropropene	7.979	75	6576	5.414	ug/l #	47
38) Carbon Tetrachloride	7.985	117	8014	7.165	ug/l #	18
41) Methacrylonitrile	7.497	41	55	3.631	ug/l #	12
59) 2-Hexanone	10.985	43	85	16.114	ug/l #	22
71) Bromoform	12.620	173	742	1.590	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	37125	63.965	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	37125	118.304	ug/l #	18

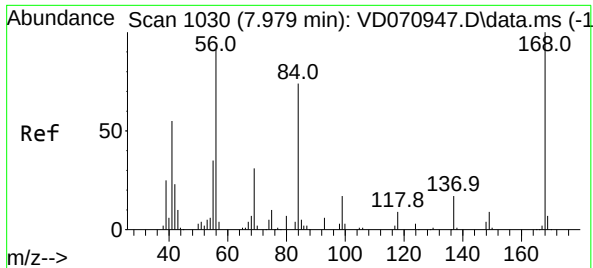
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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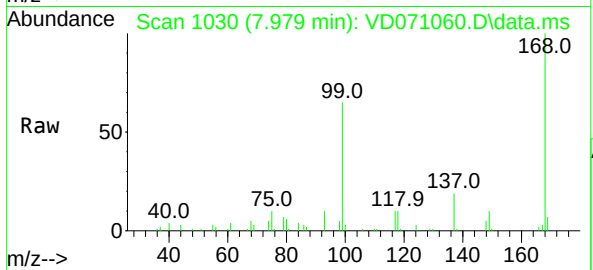
Quant Time: Nov 22 02:53:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
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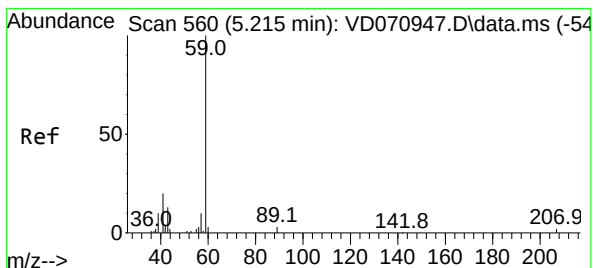
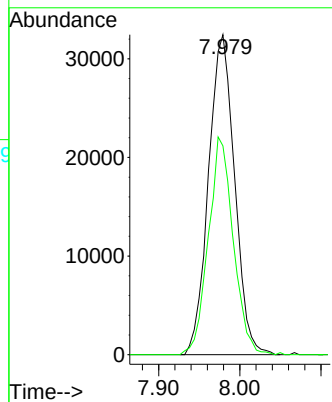
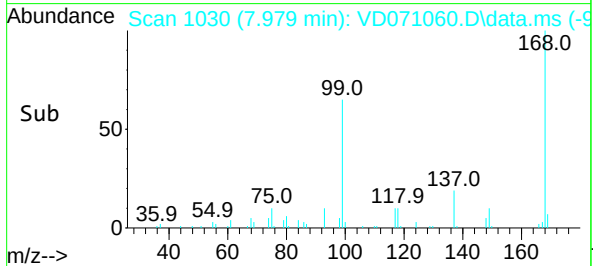


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071060.D
Acq: 19 Nov 2021 16:53

Instrument :
MSVOA_D
ClientSampleId :

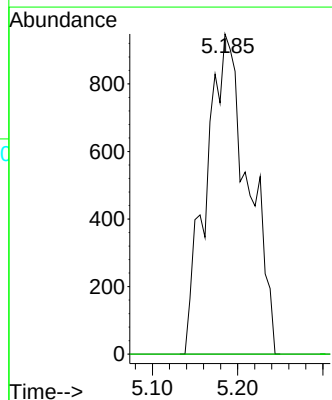
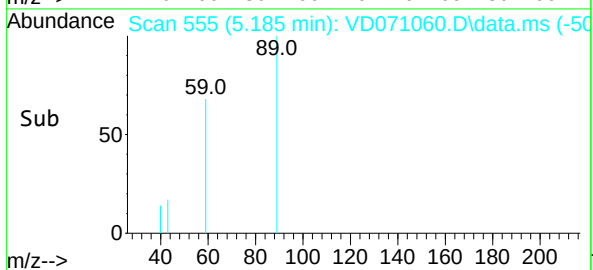
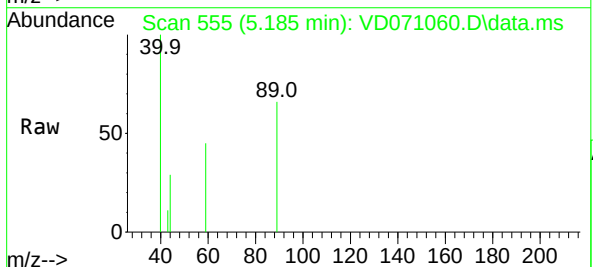


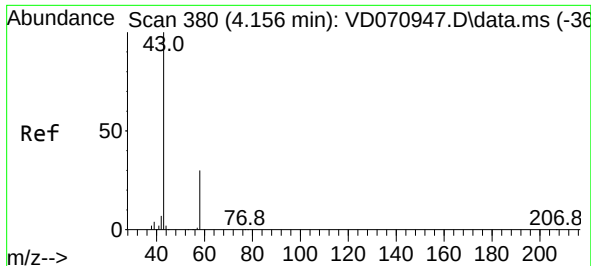
Tgt Ion:168 Resp: 72459
Ion Ratio Lower Upper
168 100
99 65.3 46.6 69.8



#11
Tert butyl alcohol
Concen: 57.483 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD071060.D
Acq: 19 Nov 2021 16:53

Tgt Ion: 59 Resp: 3241
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

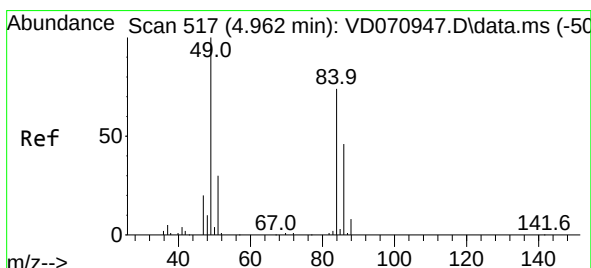
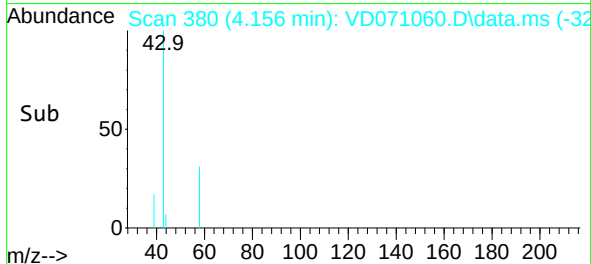
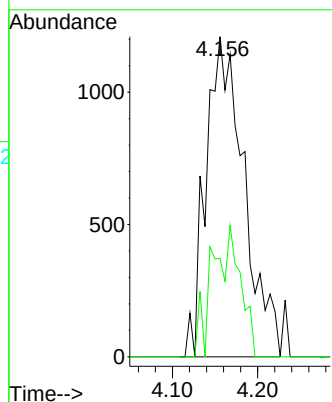
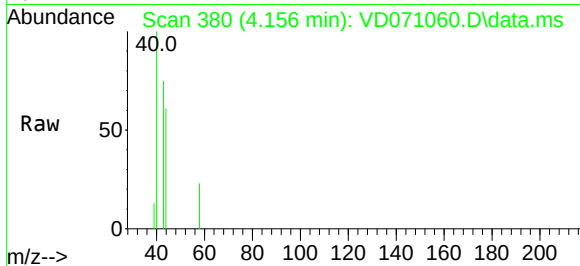




#16
Acetone
Concen: 36.352 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071060.D
Acq: 19 Nov 2021 16:53

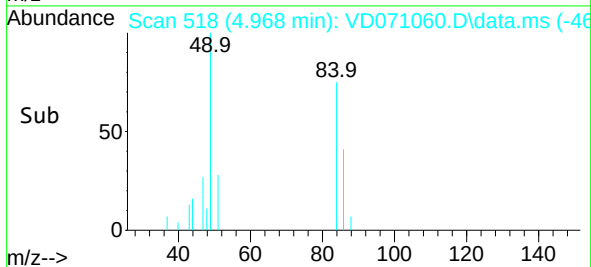
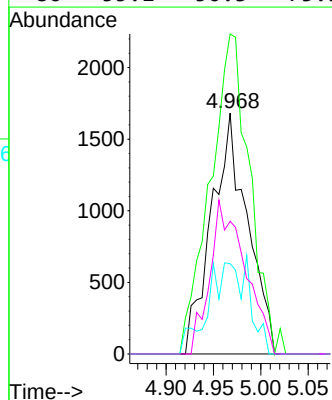
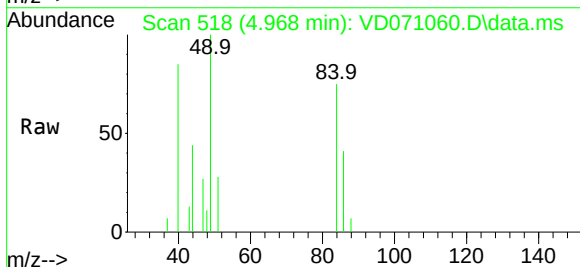
Instrument :
MSVOA_D
ClientSampleId :

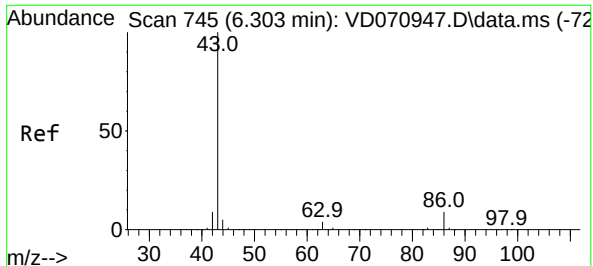
Tgt Ion: 43 Resp: 3746
Ion Ratio Lower Upper
43 100
58 30.7 27.8 41.8



#20
Methylene Chloride
Concen: 4.678 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD071060.D
Acq: 19 Nov 2021 16:53

Tgt Ion: 84 Resp: 4441
Ion Ratio Lower Upper
84 100
49 132.9 95.8 143.6
51 37.5 30.9 46.3
86 55.1 50.3 75.5

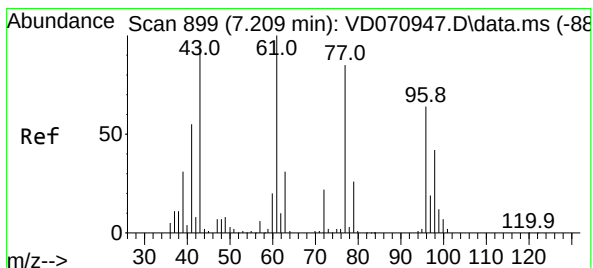
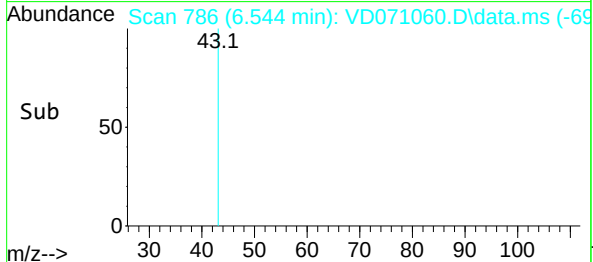
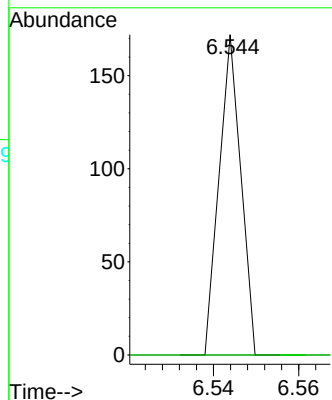
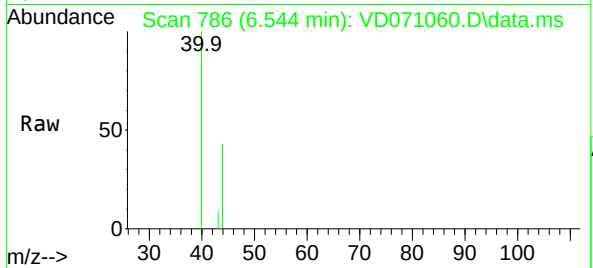




#23
 Vinyl Acetate
 Concen: 21.019 ug/l
 RT: 6.544 min Scan# 71
 Delta R.T. 0.241 min
 Lab File: VD071060.D
 Acq: 19 Nov 2021 16:53

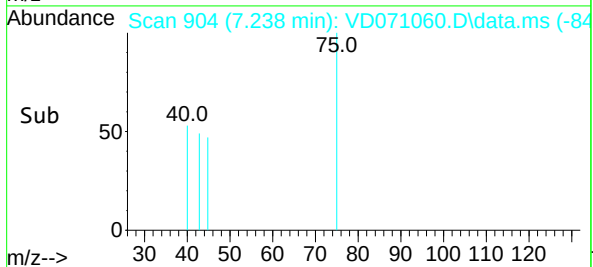
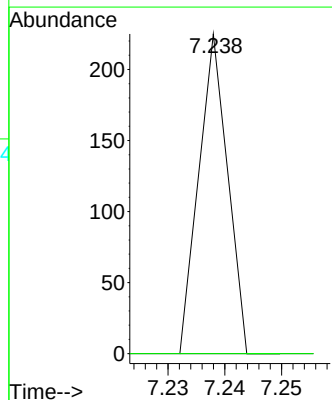
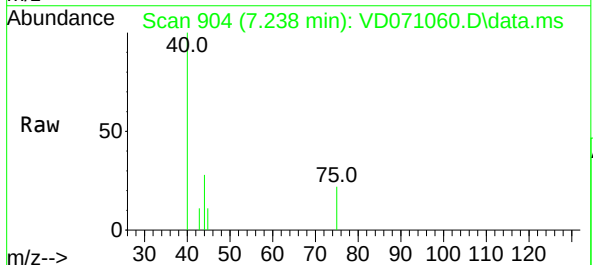
Instrument :
 MSVOA_D
 ClientSampleId :

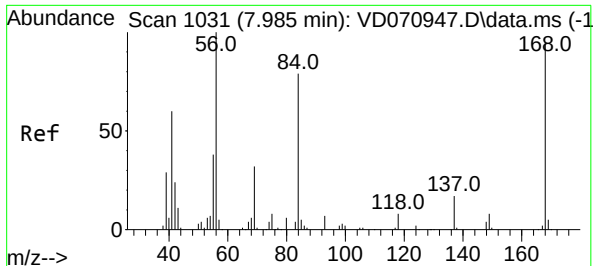
Tgt Ion: 43 Resp: 61
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 20.637 ug/l
 RT: 7.238 min Scan# 904
 Delta R.T. 0.029 min
 Lab File: VD071060.D
 Acq: 19 Nov 2021 16:53

Tgt Ion: 43 Resp: 79
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.382 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.018 min

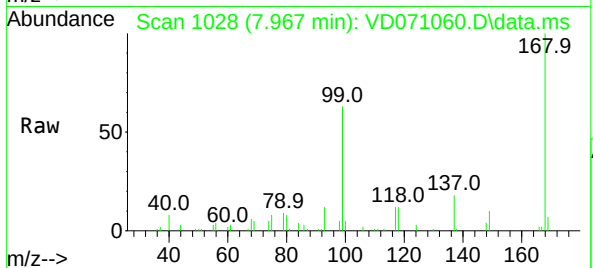
Lab File: VD071060.D

Acq: 19 Nov 2021 16:53

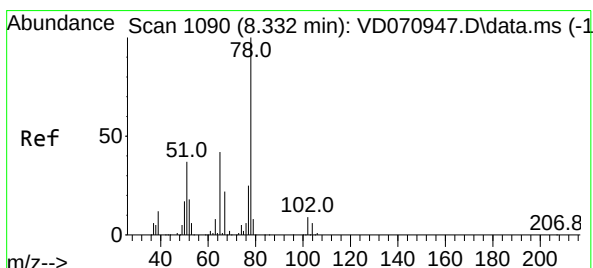
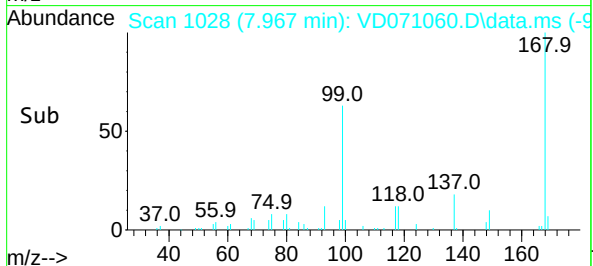
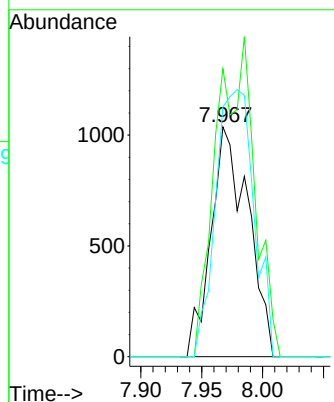
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 56	Resp: 2192
Ion Ratio	Lower Upper
56	100
69	125.4 25.9 38.9#
84	108.7 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 70.246 ug/l

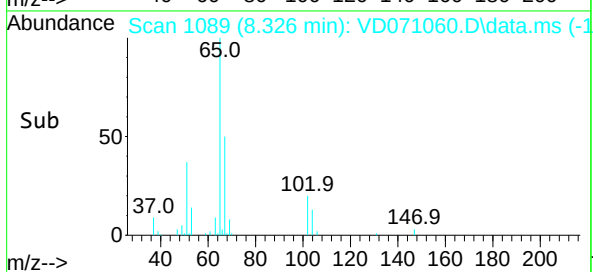
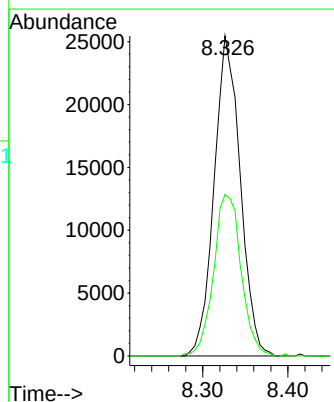
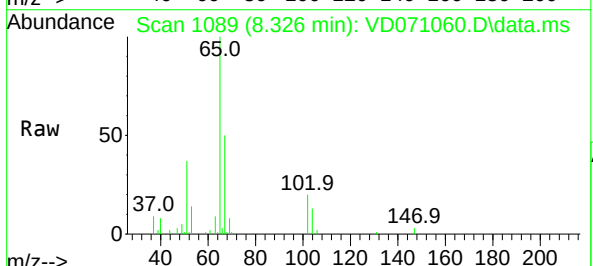
RT: 8.326 min Scan# 1089

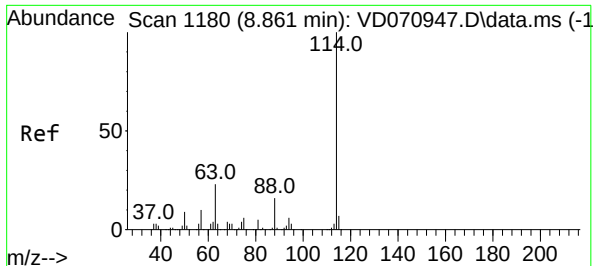
Delta R.T. -0.006 min

Lab File: VD071060.D

Acq: 19 Nov 2021 16:53

Tgt Ion: 65	Resp: 54193
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: VD071060.D

Acq: 19 Nov 2021 16:53

Instrument :

MSVOA_D

ClientSampleId :

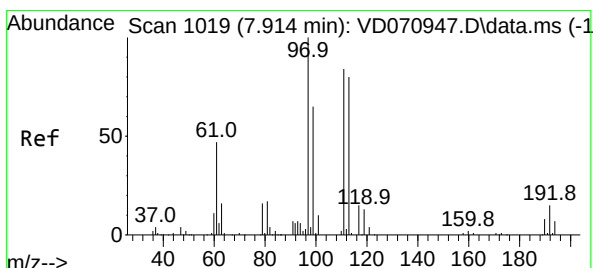
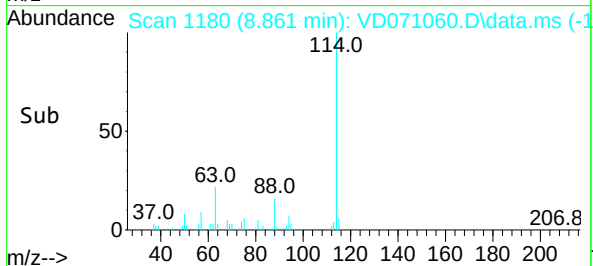
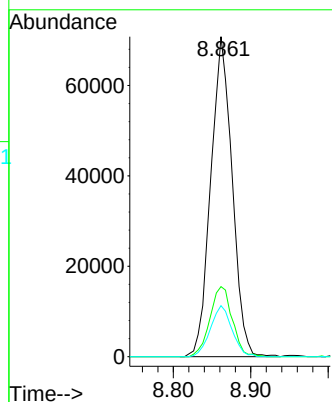
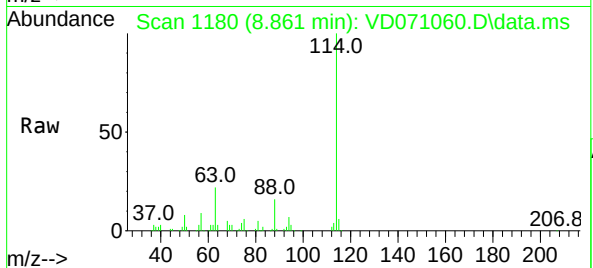
Tgt Ion:114 Resp: 136032

Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 16.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 58.543 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071060.D

Acq: 19 Nov 2021 16:53

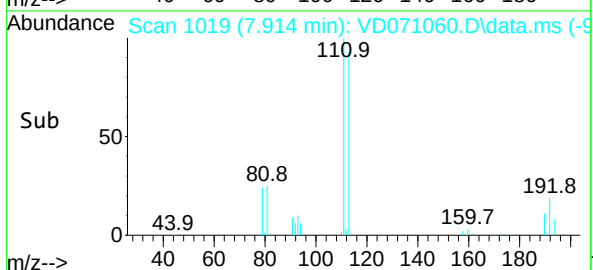
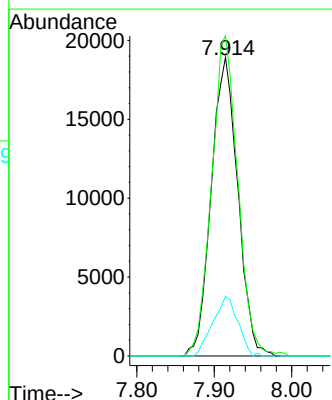
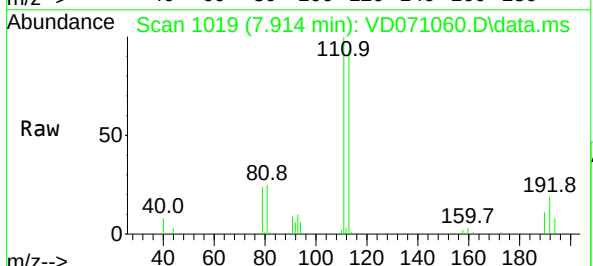
Tgt Ion:113 Resp: 44938

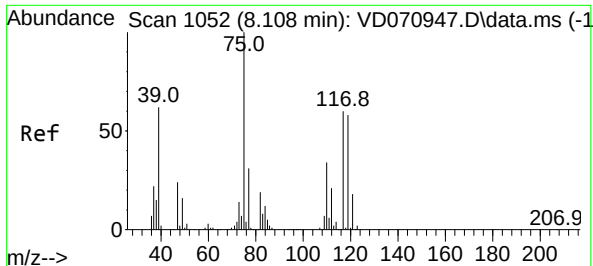
Ion Ratio Lower Upper

113 100

111 106.4 82.0 123.0

192 18.8 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.414 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

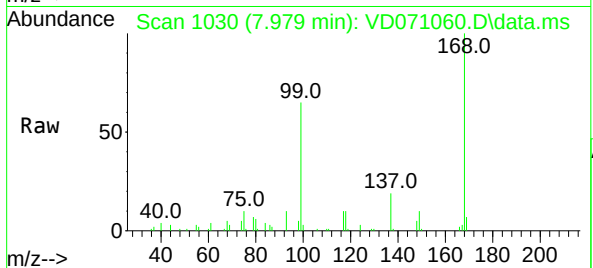
Lab File: VD071060.D

Acq: 19 Nov 2021 16:53

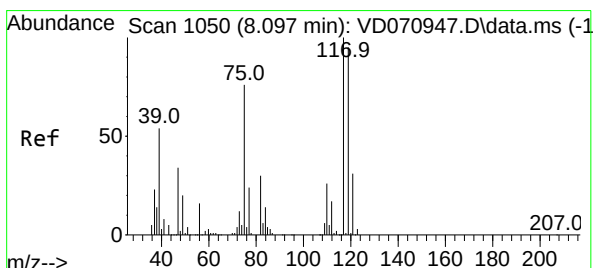
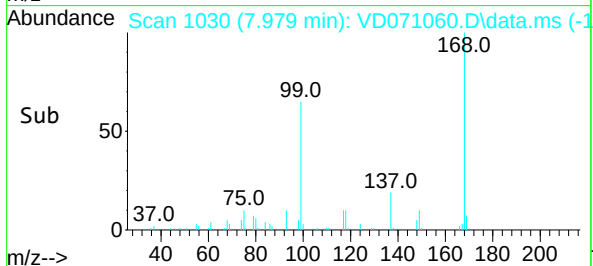
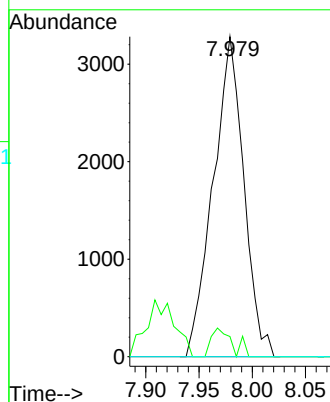
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	6576
Ion Ratio	Lower	Upper	
75	100		
110	6.2	17.8	53.4#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 7.165 ug/l

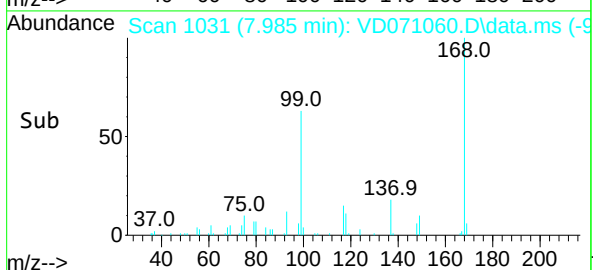
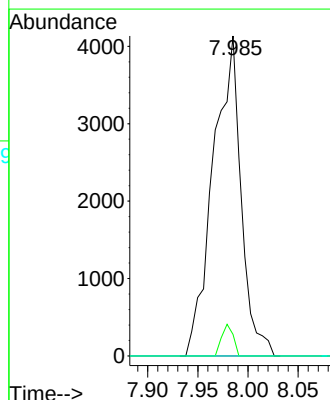
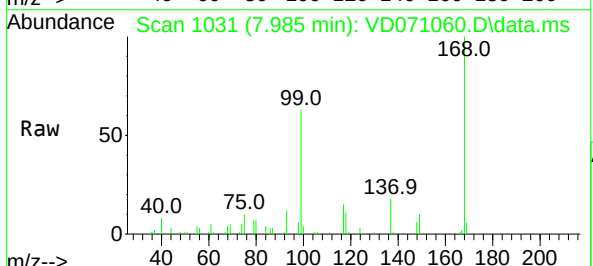
RT: 7.985 min Scan# 1031

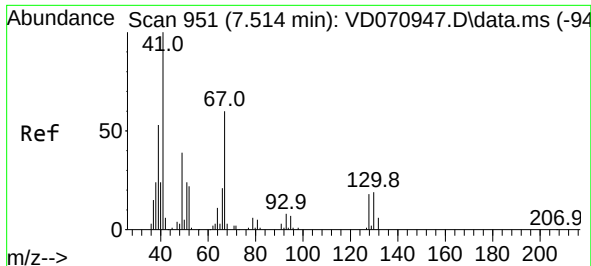
Delta R.T. -0.112 min

Lab File: VD071060.D

Acq: 19 Nov 2021 16:53

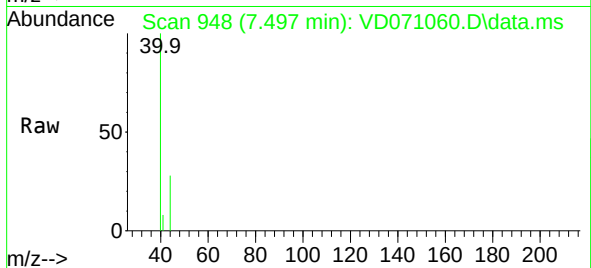
Tgt Ion:	117	Resp:	8014
Ion Ratio	Lower	Upper	
117	100		
119	6.7	75.8	113.6#
121	0.0	23.6	35.4#



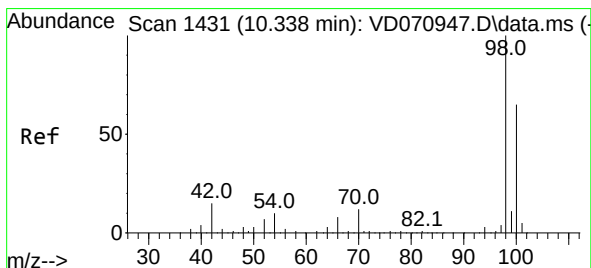
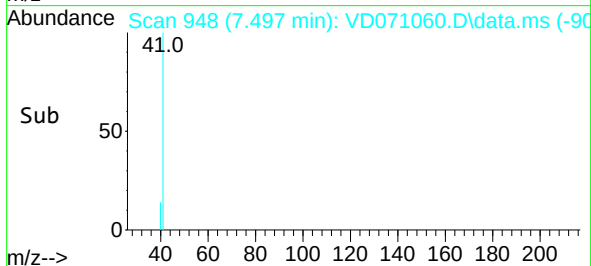
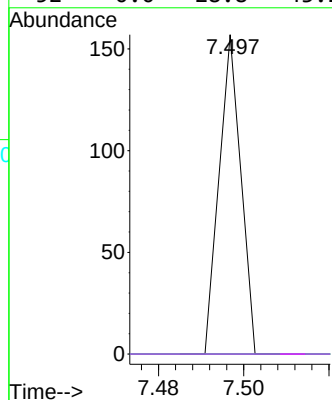


#41
Methacrylonitrile
Concen: 3.631 ug/l
RT: 7.497 min Scan# 941
Delta R.T. -0.017 min
Lab File: VD071060.D
Acq: 19 Nov 2021 16:53

Instrument :
MSVOA_D
ClientSampleId :

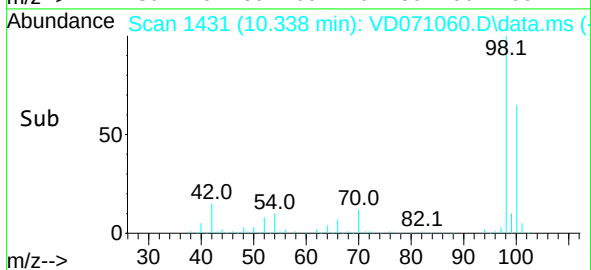
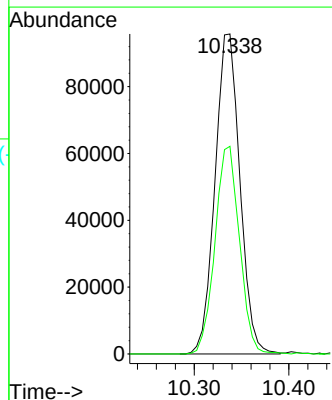
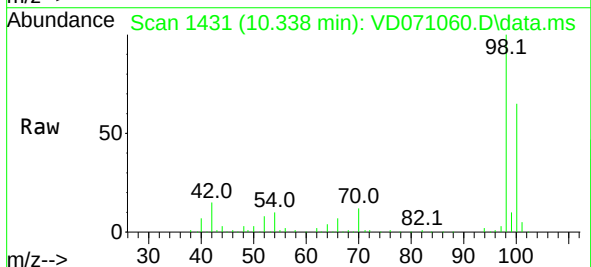


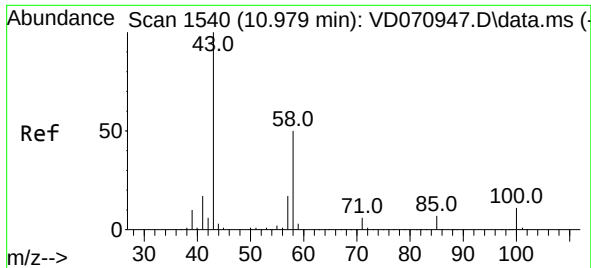
Tgt Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
39 0.0 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#



#50
Toluene-d8
Concen: 58.291 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071060.D
Acq: 19 Nov 2021 16:53

Tgt Ion: 98 Resp: 175230
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.6

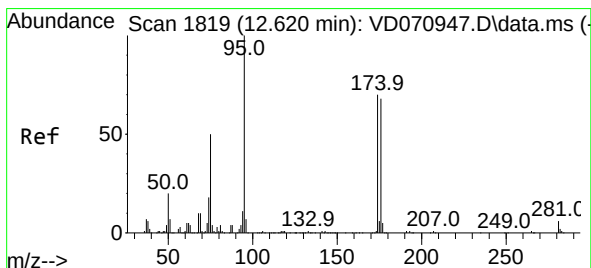
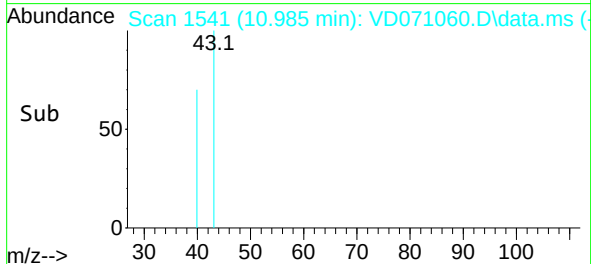
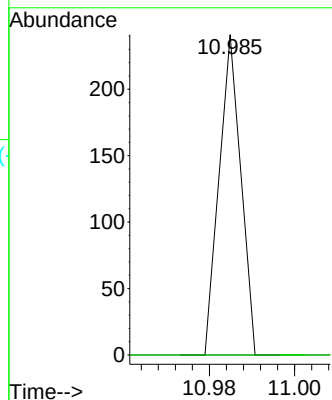
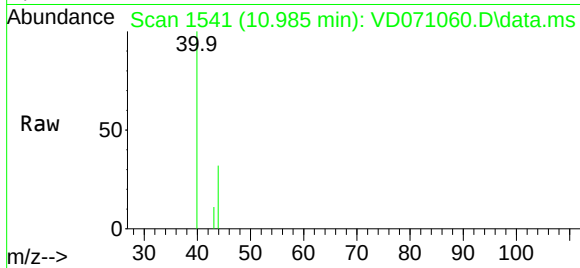




#59
2-Hexanone
Concen: 16.114 ug/l
RT: 10.985 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD071060.D
Acq: 19 Nov 2021 16:53

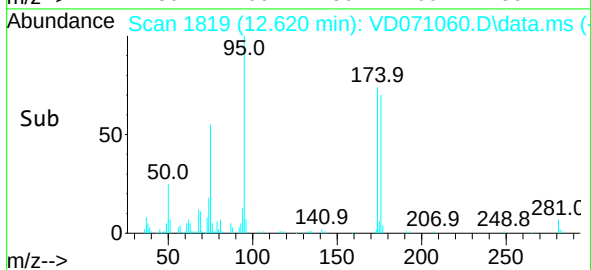
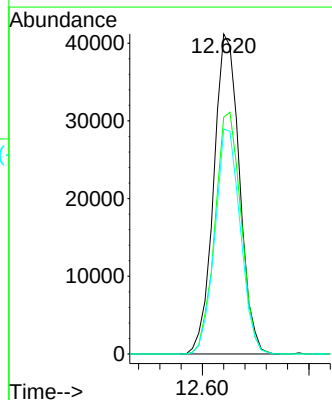
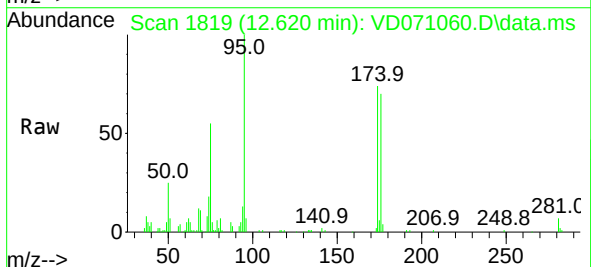
Instrument :
MSVOA_D
ClientSampleId :

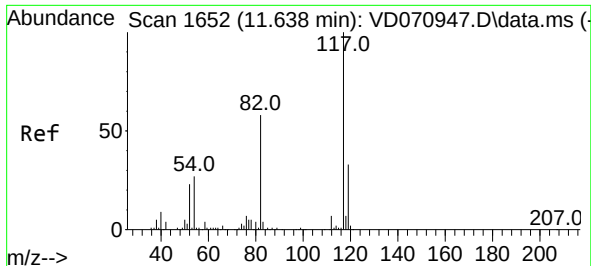
Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 63.770 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD071060.D
Acq: 19 Nov 2021 16:53

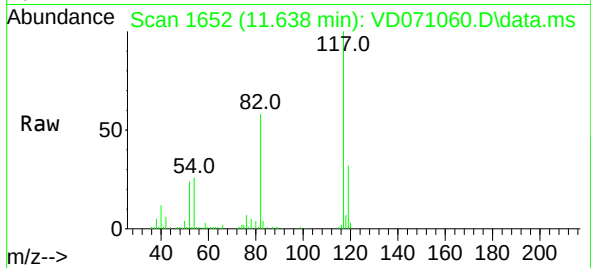
Tgt Ion: 95 Resp: 69023
Ion Ratio Lower Upper
95 100
174 76.4 0.0 159.4
176 69.6 0.0 154.0



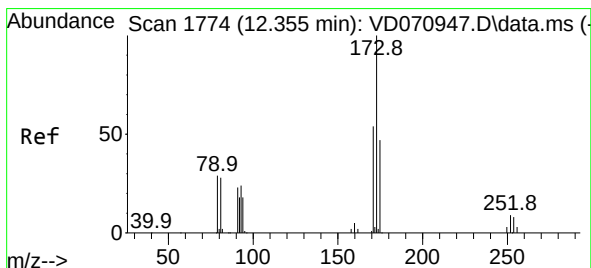
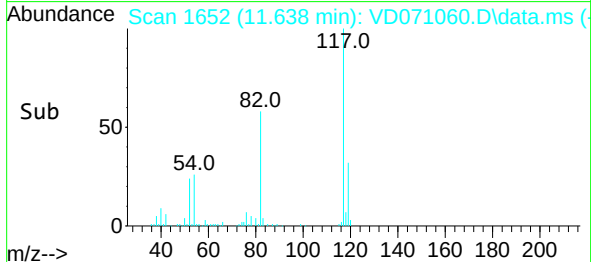
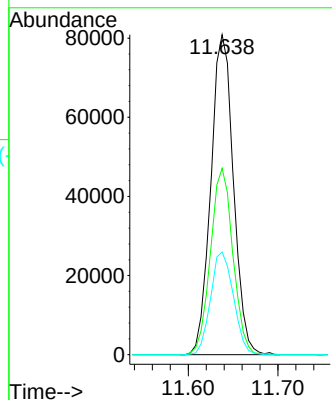


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071060.D
Acq: 19 Nov 2021 16:53

Instrument :
MSVOA_D
ClientSampleId :

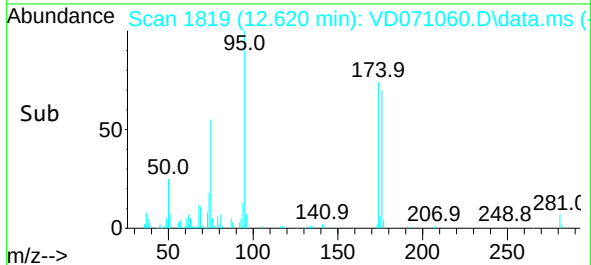
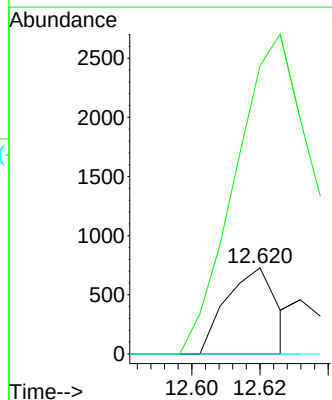
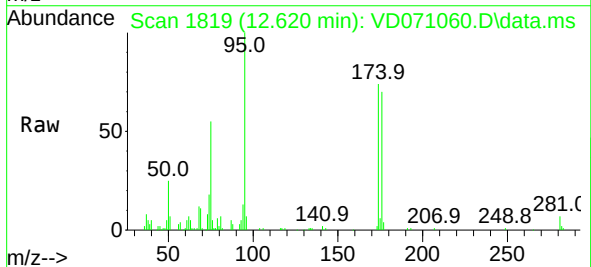


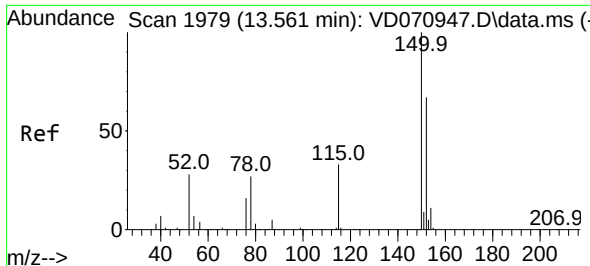
Tgt Ion:117 Resp: 141312
Ion Ratio Lower Upper
117 100
82 58.3 44.7 67.1
119 32.1 26.2 39.4



#71
Bromoform
Concen: 1.590 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071060.D
Acq: 19 Nov 2021 16:53

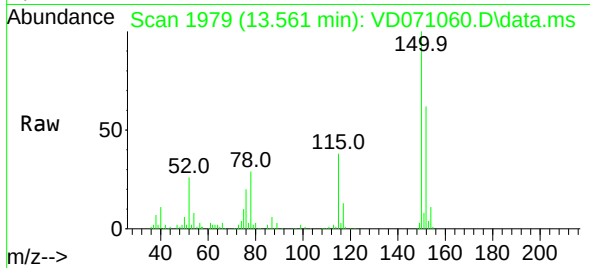
Tgt Ion:173 Resp: 742
Ion Ratio Lower Upper
173 100
175 479.9 24.1 72.2#
254 0.0 0.1 0.1#



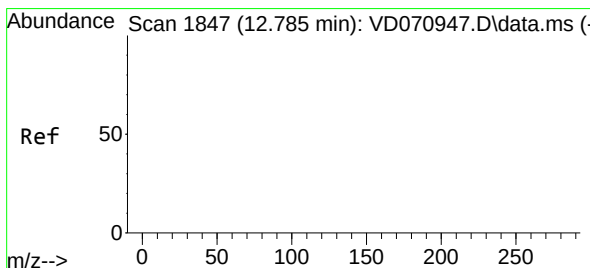
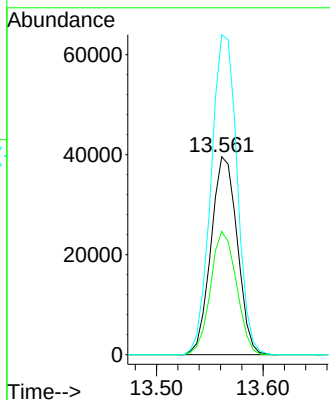
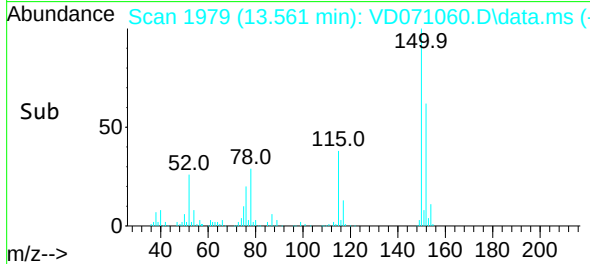


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: VD071060.D
 Acq: 19 Nov 2021 16:53

Instrument :
 MSVOA_D
 ClientSampleId :

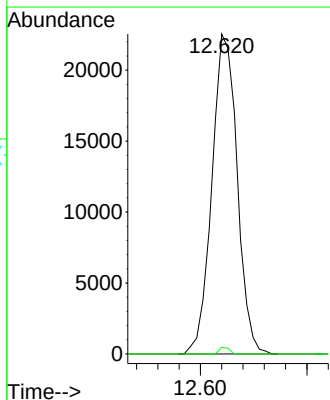
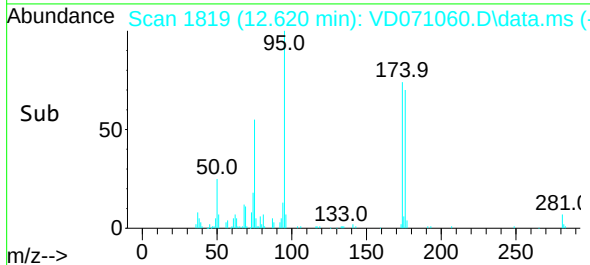
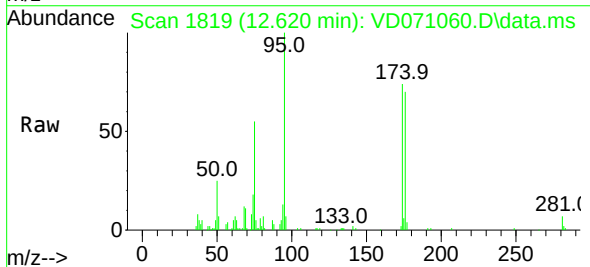


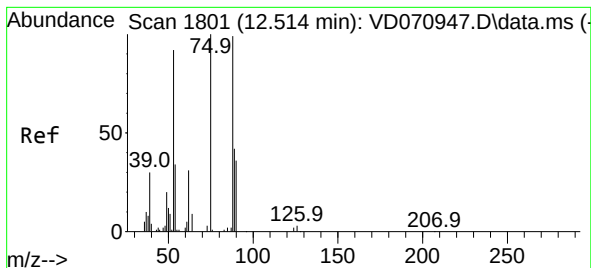
Tgt Ion:152 Resp: 67946
 Ion Ratio Lower Upper
 152 100
 115 61.2 29.8 89.3
 150 160.0 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 63.965 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.165 min
 Lab File: VD071060.D
 Acq: 19 Nov 2021 16:53

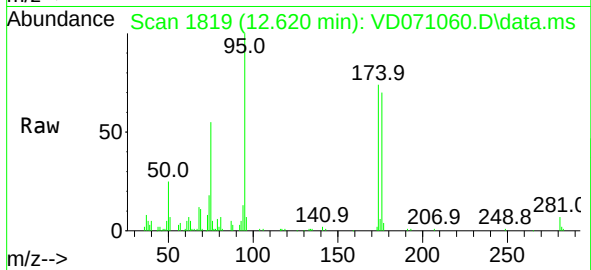
Tgt Ion: 75 Resp: 37125
 Ion Ratio Lower Upper
 75 100
 77 0.8 158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 118.304 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD071060.D
Acq: 19 Nov 2021 16:53

Instrument :
MSVOA_D
ClientSampleId :



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

