

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070171.D
 Acq On : 19 Aug 2021 16:46
 Operator : VA/SY
 Sample : M3414-13
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 20 05:48:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	996	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.861	114	2125	50.000	ug/l	# 0.00
63) Chlorobenzene-d5	11.632	117	1388	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	79	50.000	ug/l	# 0.00

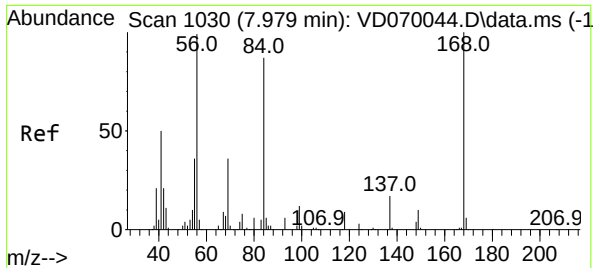
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.314	65	385	32.865	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	65.740%
35) Dibromofluoromethane	7.908	113	674	49.094	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.180%
50) Toluene-d8	10.332	98	2529	47.361	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.720%
62) 4-Bromofluorobenzene	12.620	95	113	6.425	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	12.840%#

Target Compounds						Qvalue
6) Chloroethane	2.838	64	58	5.386	ug/l #	42
12) 1,1-Dichloroethene	4.091	96	81	6.845	ug/l #	1
16) Acetone	4.232	43	69	31.974	ug/l #	41
18) Methyl Acetate	4.715	43	56	8.704	ug/l #	50
19) Methyl tert-butyl Ether	5.209	73	134	5.456	ug/l #	53
20) Methylene Chloride	4.944	84	291	13.901	ug/l #	8
21) trans-1,2-Dichloroethene	5.373	96	62	4.511	ug/l #	1
23) Vinyl Acetate	6.273	43	71	4.219	ug/l #	70
27) cis-1,2-Dichloroethene	7.338	96	69	4.727	ug/l #	1
31) Cyclohexane	7.967	56	71	3.062	ug/l #	15
38) Carbon Tetrachloride	7.985	117	56	2.698	ug/l #	10
48) Methyl methacrylate	9.214	41	56	7.575	ug/l #	12
51) 4-Methyl-2-Pentanone	10.426	43	53	6.575	ug/l #	33
92) 1,2-Dibromo-3-Chloropr...	14.673	75	77	448.466	ug/l #	8

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

Quant Time: Aug 20 05:48:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration

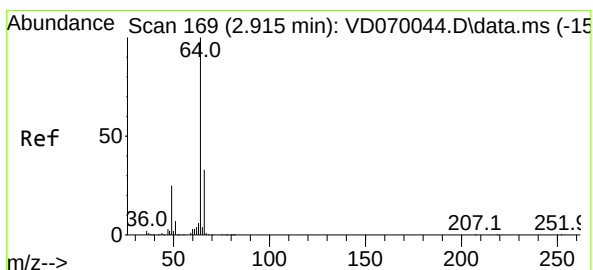
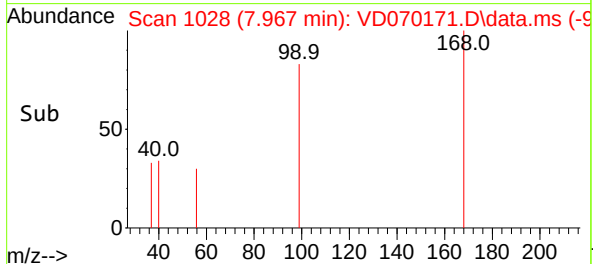
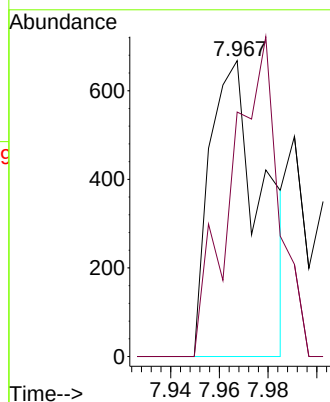
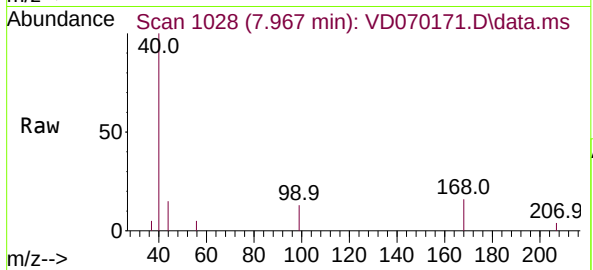




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

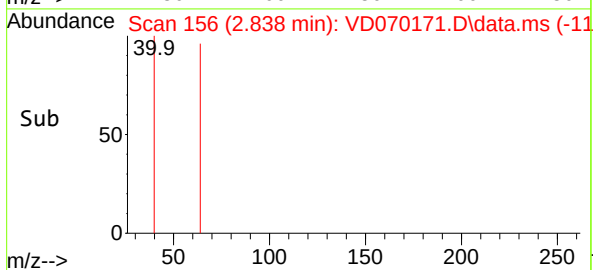
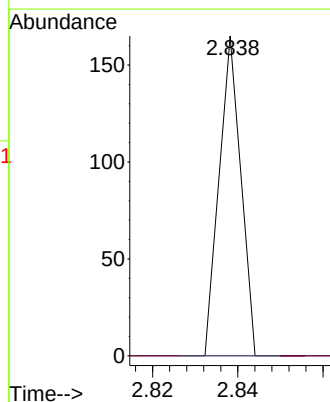
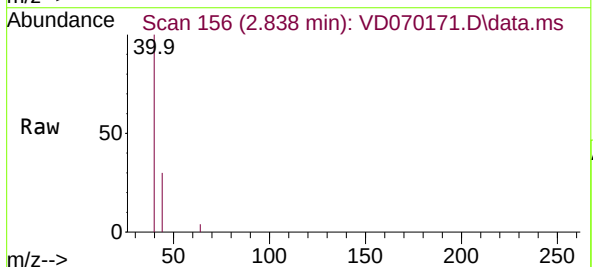
Instrument :
MSVOA_D
ClientSampled :

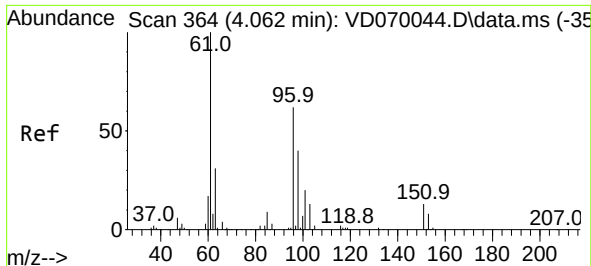
Tgt Ion:168 Resp: 996
Ion Ratio Lower Upper
168 100
99 82.6 50.3 75.5#



#6
Chloroethane
Concen: 5.386 ug/l
RT: 2.838 min Scan# 156
Delta R.T. -0.076 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#

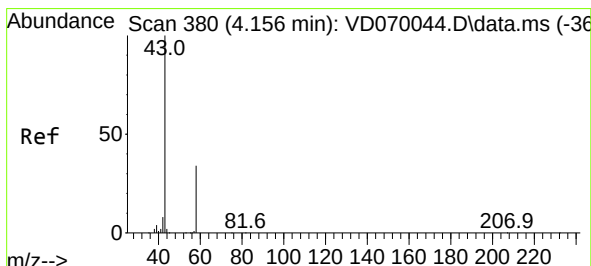
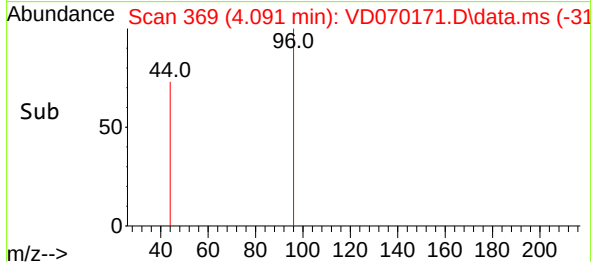
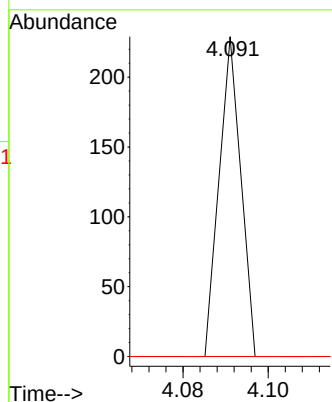
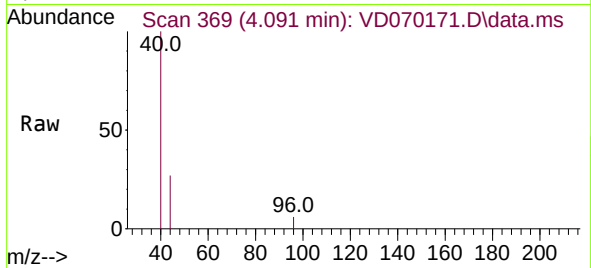




#12
1,1-Dichloroethene
Concen: 6.845 ug/l
RT: 4.091 min Scan# 369
Delta R.T. 0.029 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

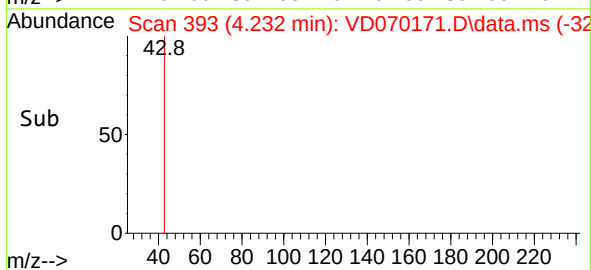
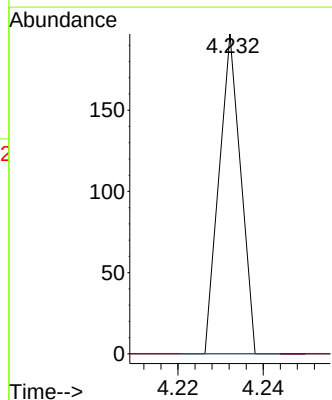
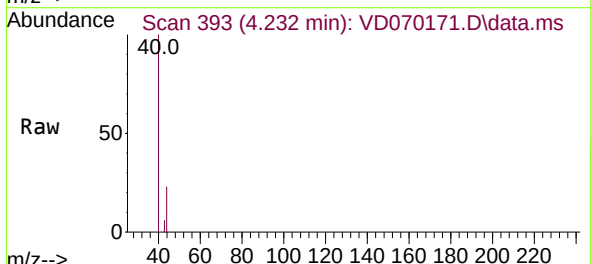
Instrument :
MSVOA_D
ClientSampleId :

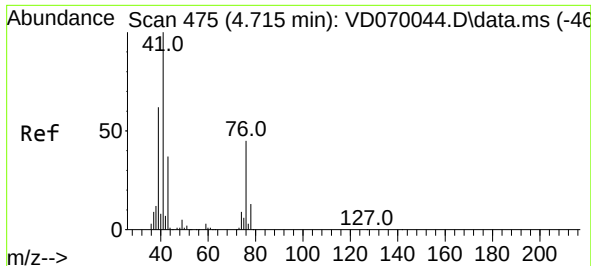
Tgt Ion: 96 Resp: 81
Ion Ratio Lower Upper
96 100
61 0.0 129.1 193.7#
98 0.0 52.0 78.0#



#16
Acetone
Concen: 31.974 ug/l
RT: 4.232 min Scan# 393
Delta R.T. 0.076 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#

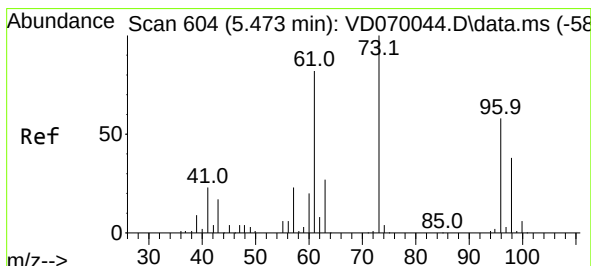
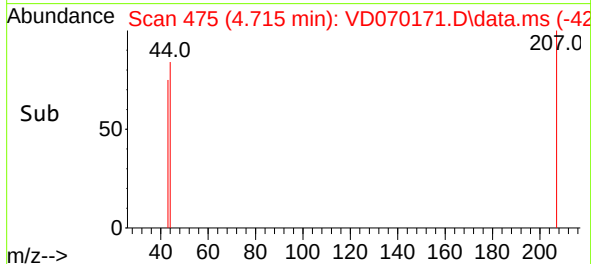
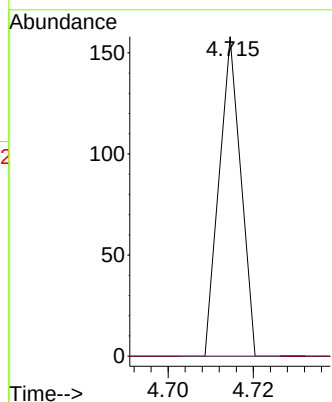
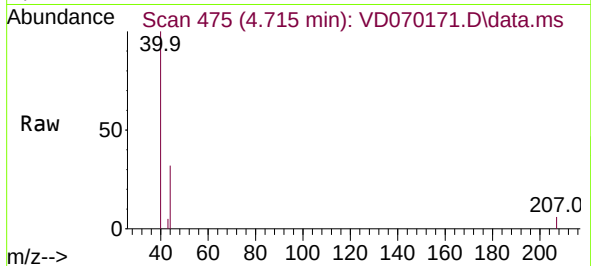




#18
Methyl Acetate
Concen: 8.704 ug/l
RT: 4.715 min Scan# 475
Delta R.T. 0.000 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

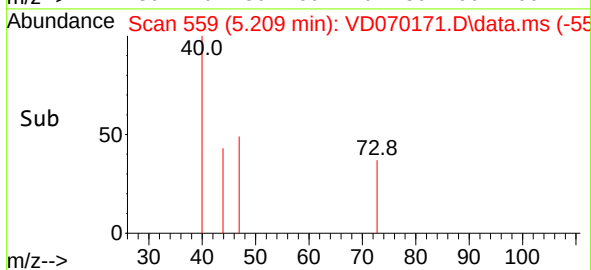
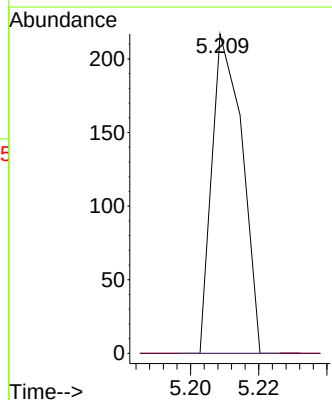
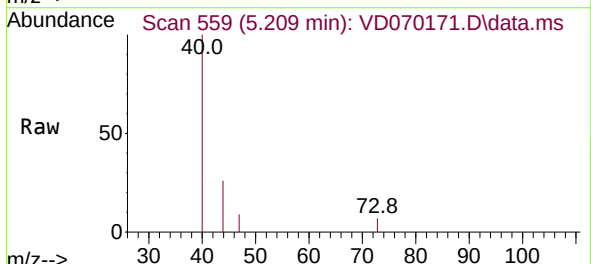
Instrument :
MSVOA_D
ClientSampled :

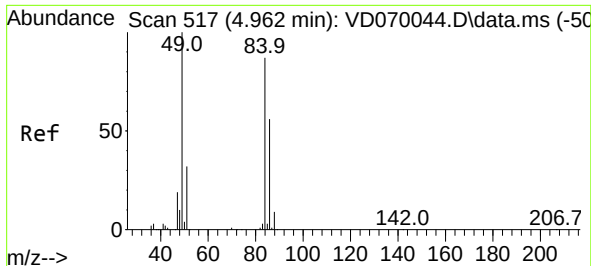
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#19
Methyl tert-butyl Ether
Concen: 5.456 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.265 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

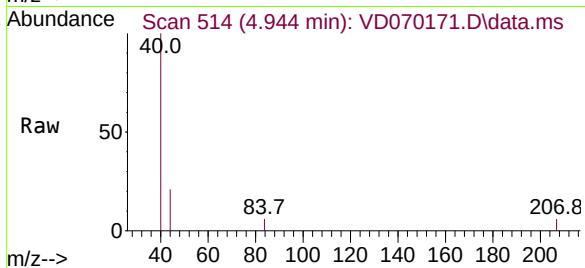
Tgt Ion: 73 Resp: 134
Ion Ratio Lower Upper
73 100
57 0.0 18.2 27.4#



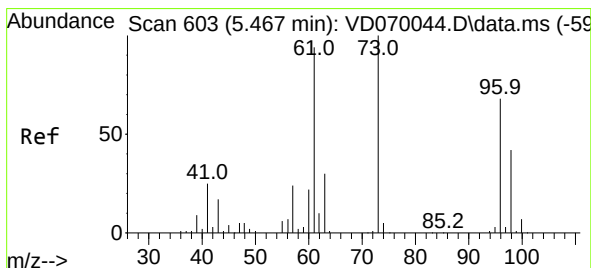
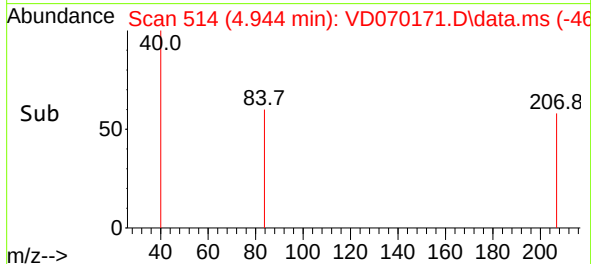
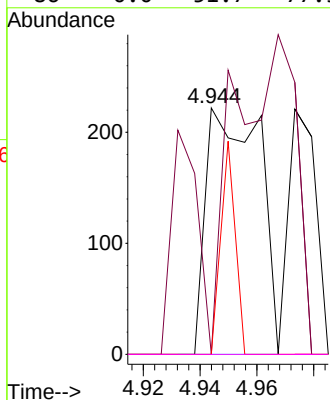


#20
Methylene Chloride
Concen: 13.901 ug/l
RT: 4.944 min Scan# 514
Delta R.T. -0.018 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

Instrument :
MSVOA_D
ClientSampleId :

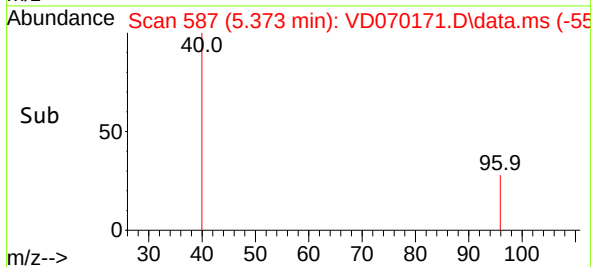
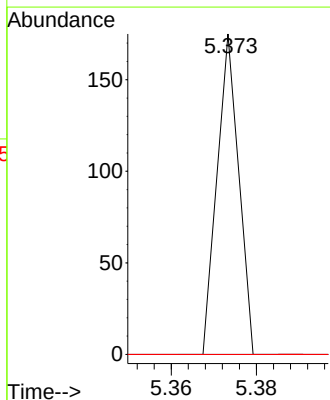
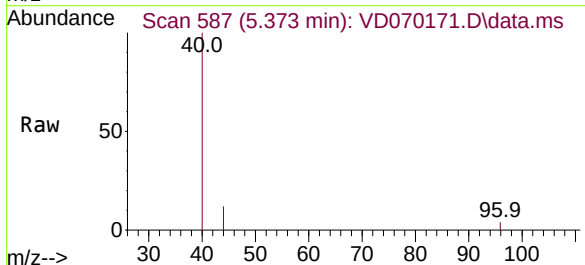


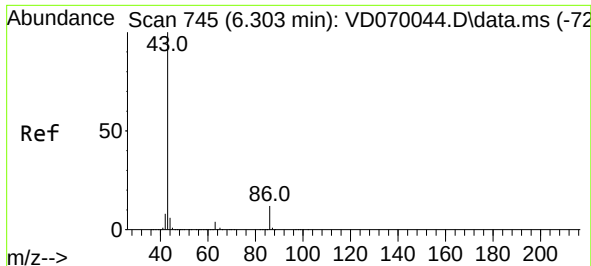
Tgt Ion:	84	Resp:	291
Ion	Ratio	Lower	Upper
84	100		
49	0.0	92.5	138.7#
51	0.0	29.7	44.5#
86	0.0	51.7	77.5#



#21
trans-1,2-Dichloroethene
Concen: 4.511 ug/l
RT: 5.373 min Scan# 587
Delta R.T. -0.094 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

Tgt Ion:	96	Resp:	62
Ion	Ratio	Lower	Upper
96	100		
61	0.0	111.0	166.4#
98	0.0	49.0	73.4#

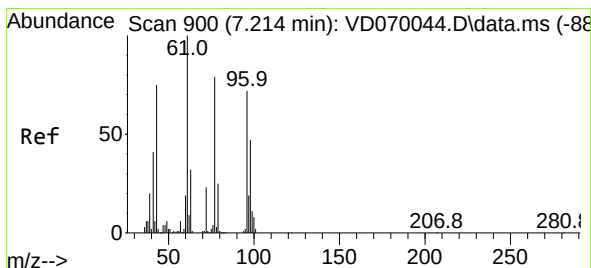
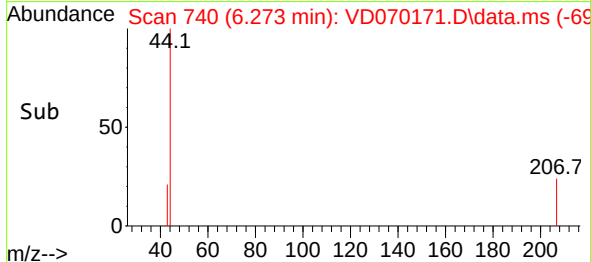
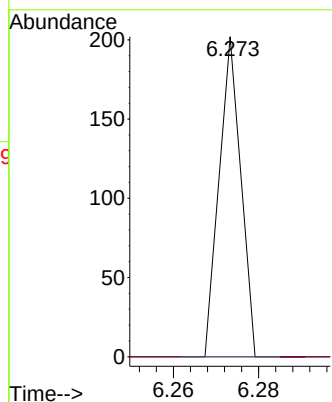
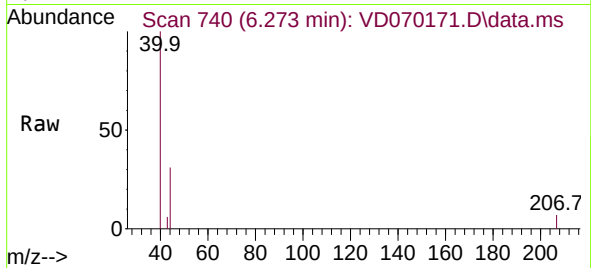




#23
 Vinyl Acetate
 Concen: 4.219 ug/l
 RT: 6.273 min Scan# 740
 Delta R.T. -0.029 min
 Lab File: VD070171.D
 Acq: 19 Aug 2021 16:46

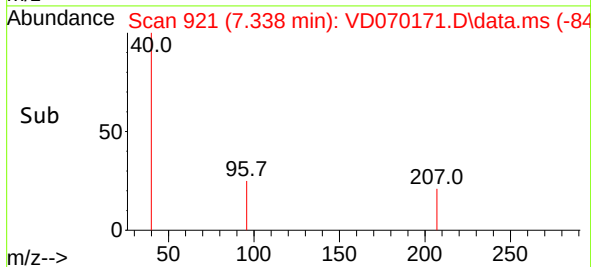
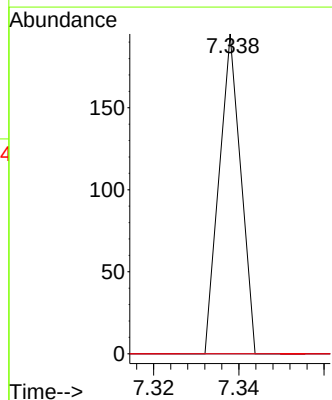
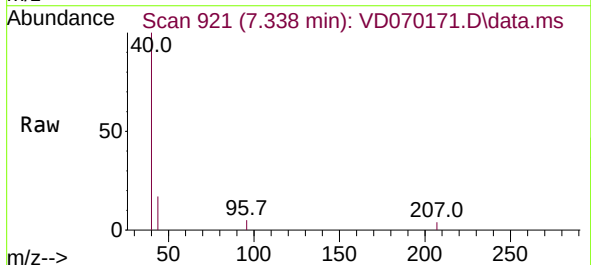
Instrument :
 MSVOA_D
 ClientSampleId :

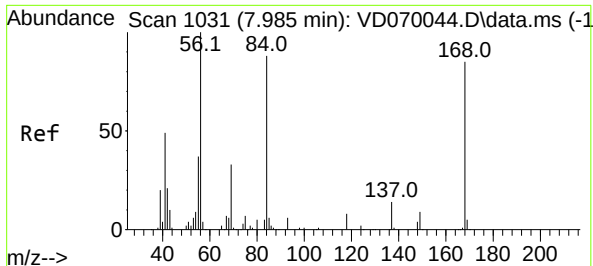
Tgt Ion: 43 Resp: 71
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.2 13.8#



#27
 cis-1,2-Dichloroethene
 Concen: 4.727 ug/l
 RT: 7.338 min Scan# 921
 Delta R.T. 0.124 min
 Lab File: VD070171.D
 Acq: 19 Aug 2021 16:46

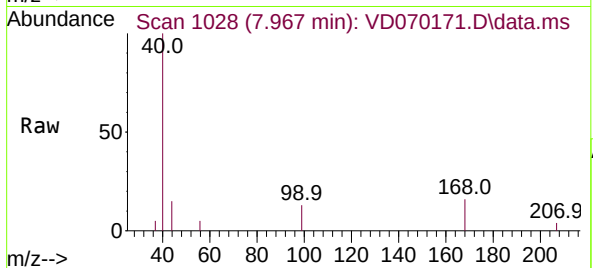
Tgt Ion: 96 Resp: 69
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 288.2
 98 0.0 0.0 129.6



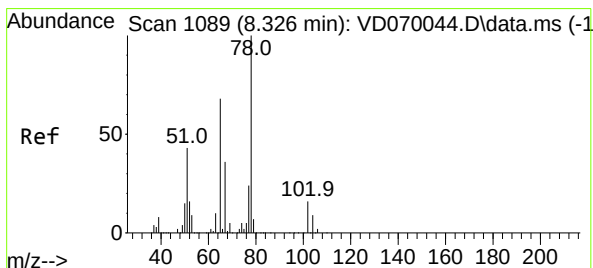
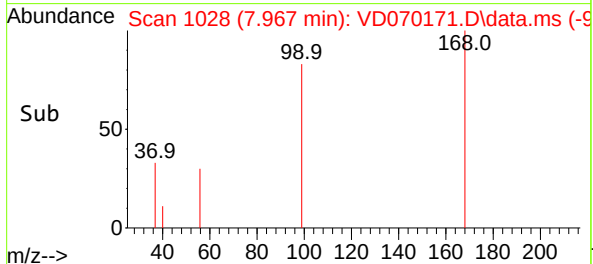
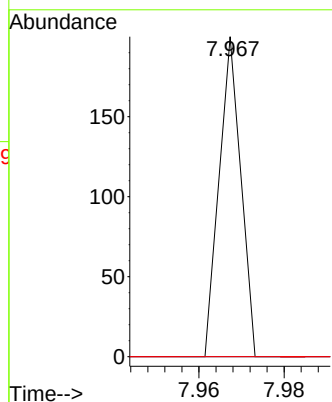


#31
Cyclohexane
Concen: 3.062 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

Instrument :
MSVOA_D
ClientSampled :

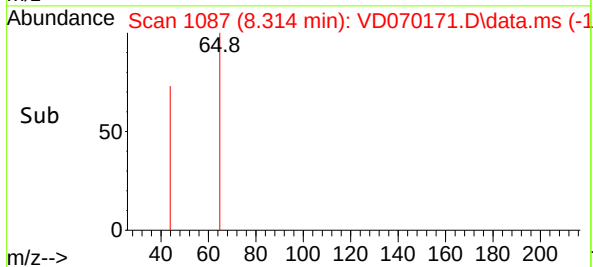
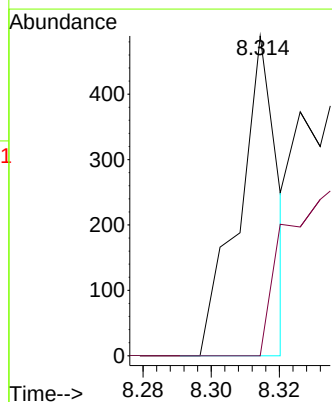
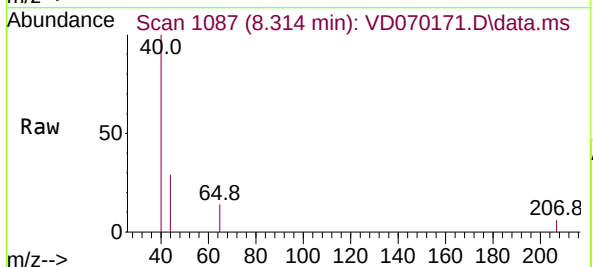


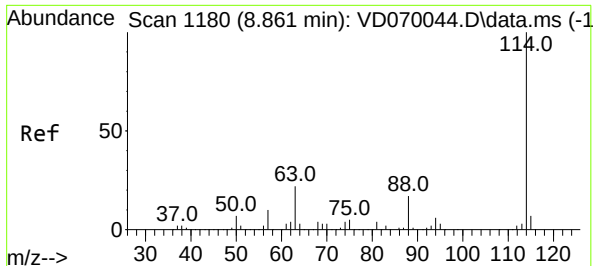
Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
69 0.0 26.7 40.1#
84 0.0 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 32.865 ug/l
RT: 8.314 min Scan# 1087
Delta R.T. -0.012 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

Tgt Ion: 65 Resp: 385
Ion Ratio Lower Upper
65 100
67 0.0 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

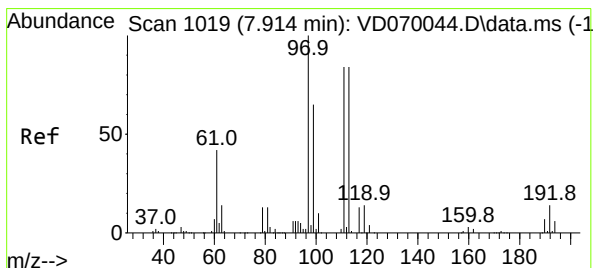
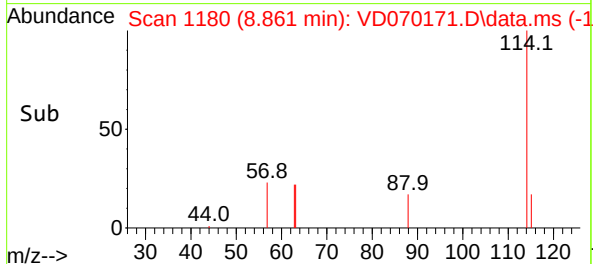
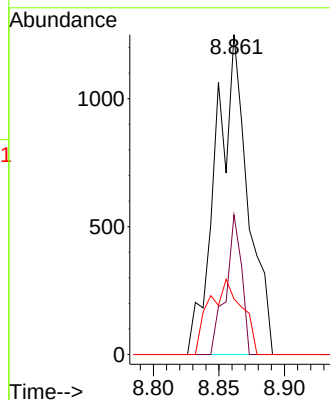
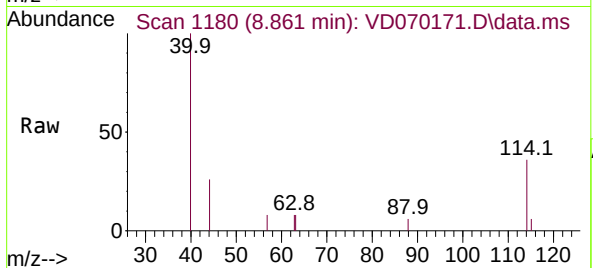
Delta R.T. 0.000 min

Lab File: VD070171.D

Acq: 19 Aug 2021 16:46

Tgt Ion:	114	Resp:	2125
Ion Ratio	Lower	Upper	
114	100		
63	43.7	0.0	43.6#
88	17.4	0.0	33.4

Instrument :
MSVOA_D
ClientSampleId :



#35

Dibromofluoromethane

Concen: 49.094 ug/l

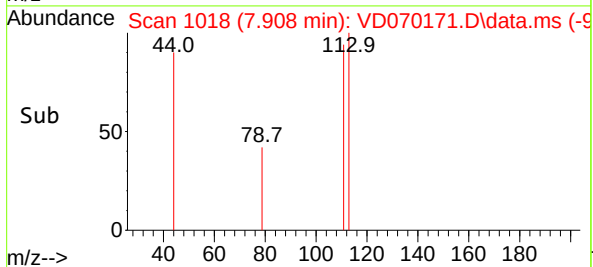
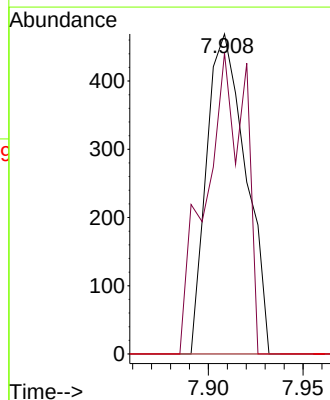
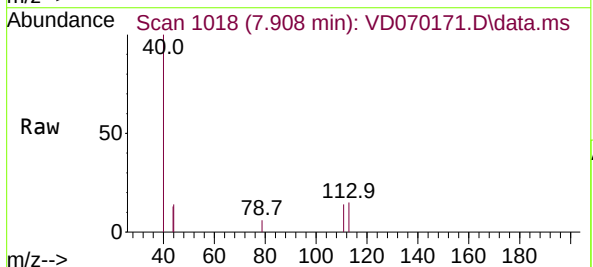
RT: 7.908 min Scan# 1018

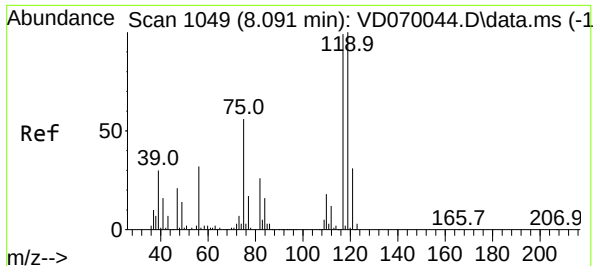
Delta R.T. -0.006 min

Lab File: VD070171.D

Acq: 19 Aug 2021 16:46

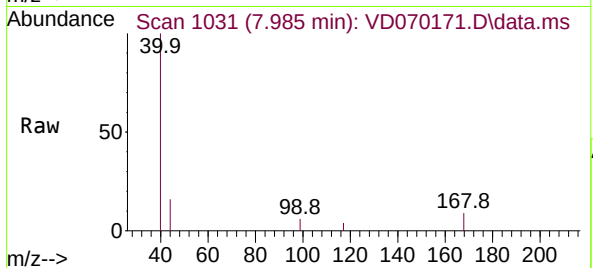
Tgt Ion:	113	Resp:	674
Ion Ratio	Lower	Upper	
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111	96.0	81.8	122.6
192	0.0	13.2	19.8#



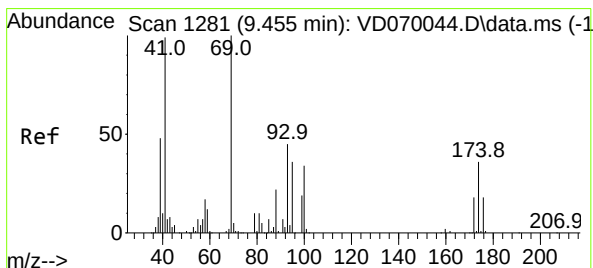
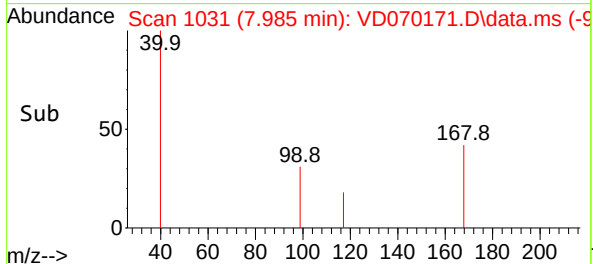
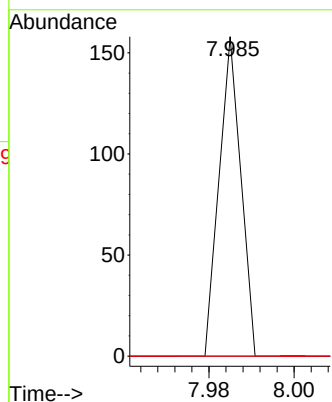


#38
Carbon Tetrachloride
Concen: 2.698 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.106 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

Instrument :
MSVOA_D
ClientSampleId :

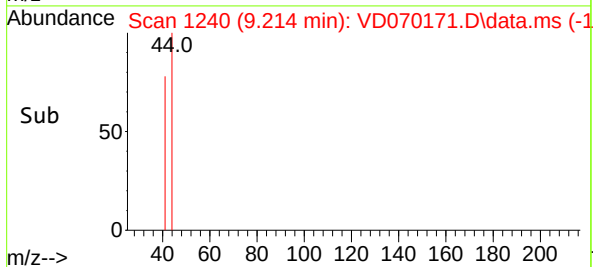
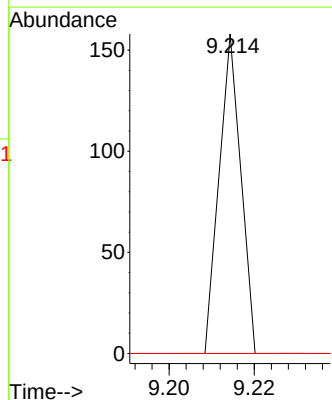
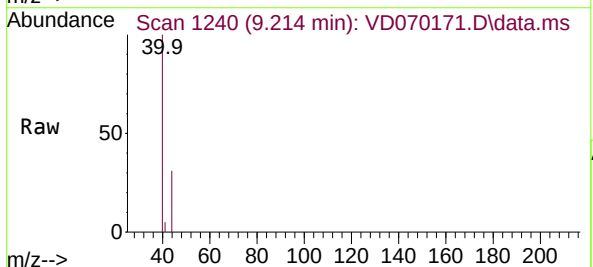


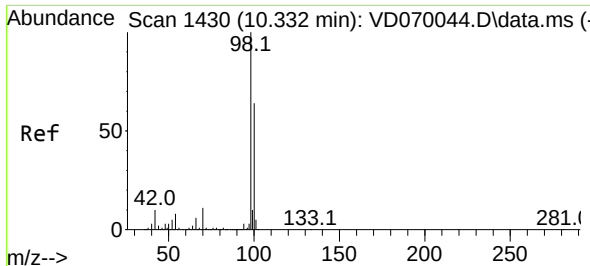
Tgt Ion: 117 Resp: 56
Ion Ratio Lower Upper
117 100
119 0.0 81.0 121.6#
121 0.0 25.0 37.6#



#48
Methyl methacrylate
Concen: 7.575 ug/l
RT: 9.214 min Scan# 1240
Delta R.T. -0.241 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
69 0.0 74.6 111.8#
39 0.0 35.9 53.9#

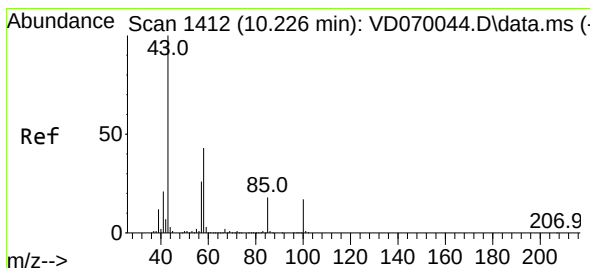
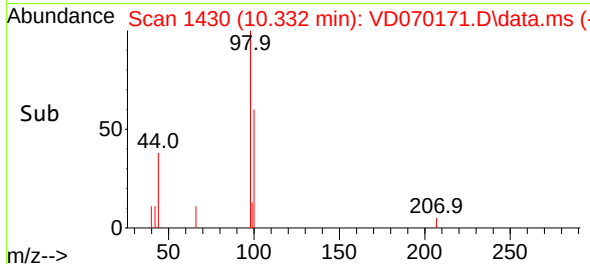
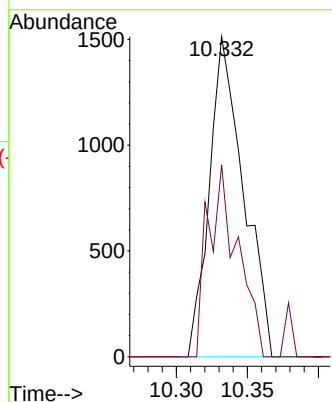
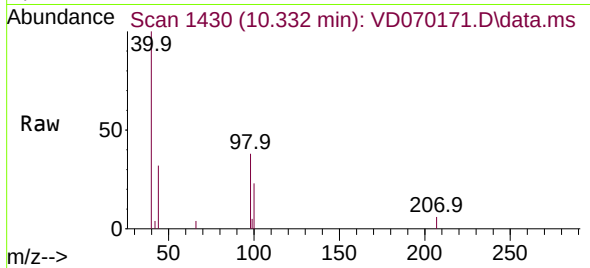




#50
Toluene-d8
Concen: 47.361 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

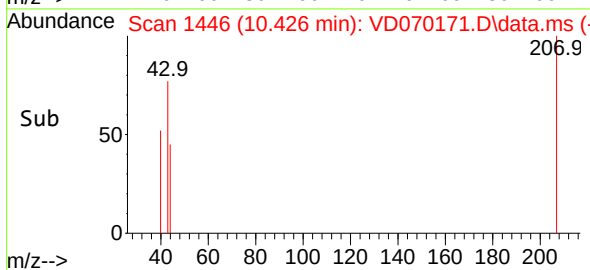
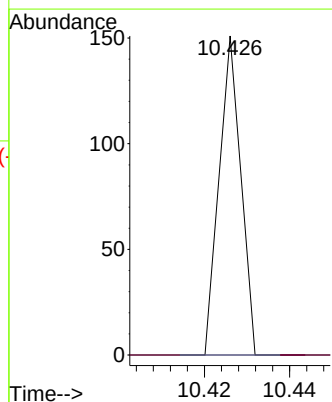
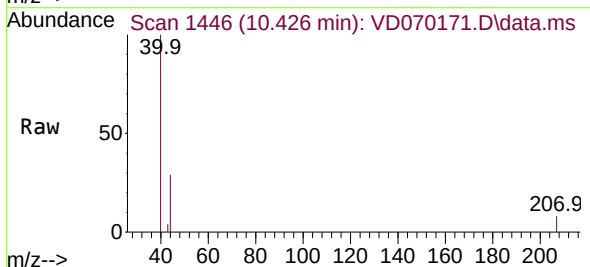
Instrument :
MSVOA_D
ClientSampled :

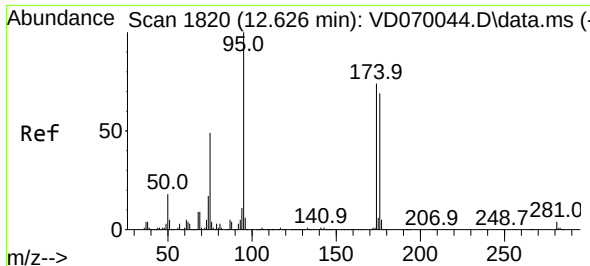
Tgt Ion: 98 Resp: 2529
Ion Ratio Lower Upper
98 100
100 52.6 52.6 78.8#



#51
4-Methyl-2-Pentanone
Concen: 6.575 ug/l
RT: 10.426 min Scan# 1446
Delta R.T. 0.200 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
58 0.0 33.9 50.9#

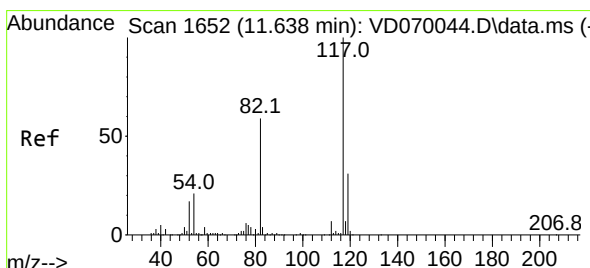
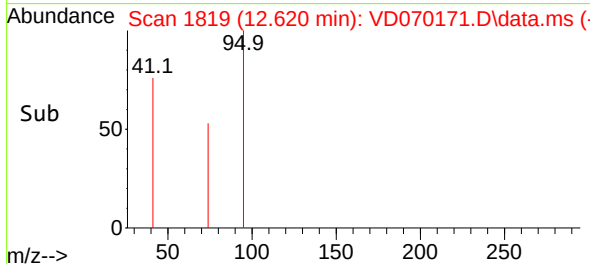
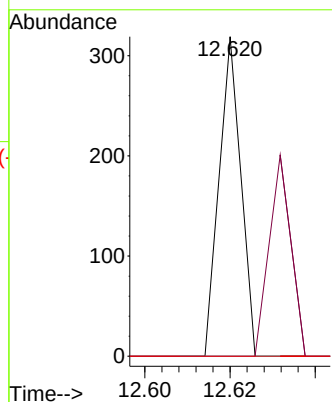
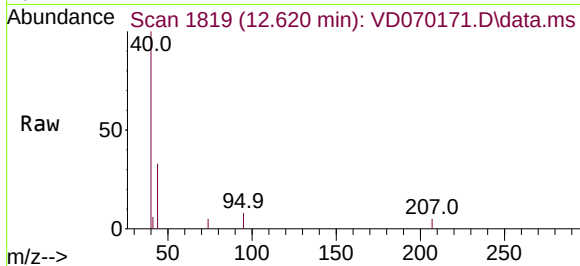




#62
4-Bromofluorobenzene
Concen: 6.425 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

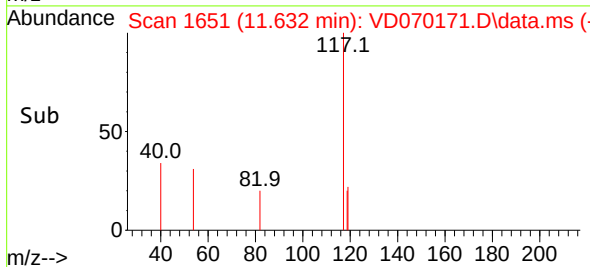
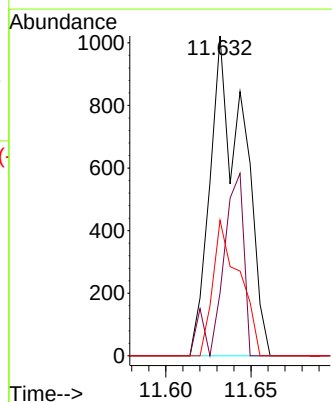
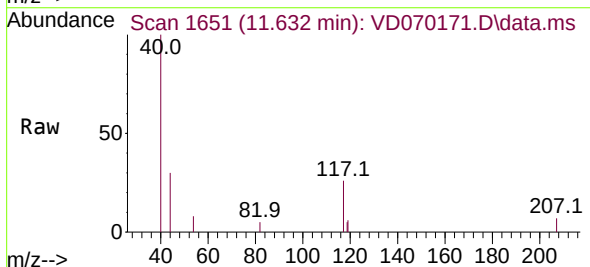
Instrument :
MSVOA_D
ClientSampleId :

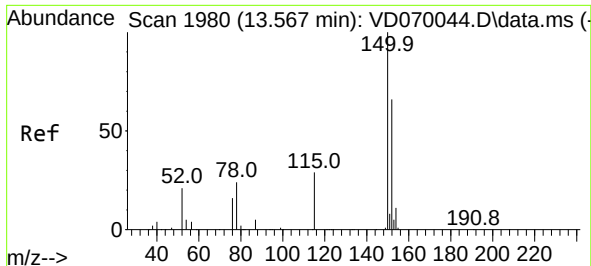
Tgt Ion: 95 Resp: 113
Ion Ratio Lower Upper
95 100
174 62.8 0.0 141.6
176 0.0 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD070171.D
Acq: 19 Aug 2021 16:46

Tgt Ion: 117 Resp: 1388
Ion Ratio Lower Upper
117 100
82 19.7 47.5 71.3#
119 42.4 25.1 37.7#

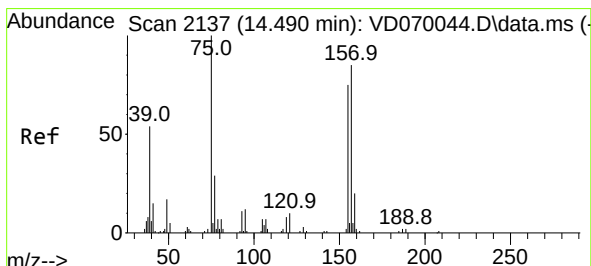
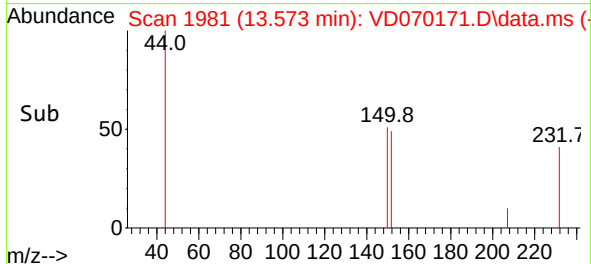
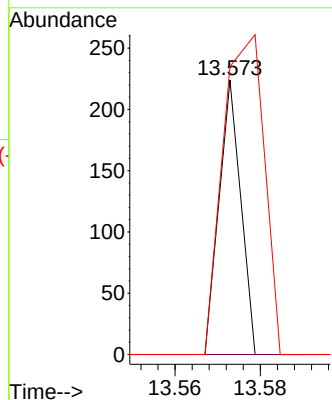
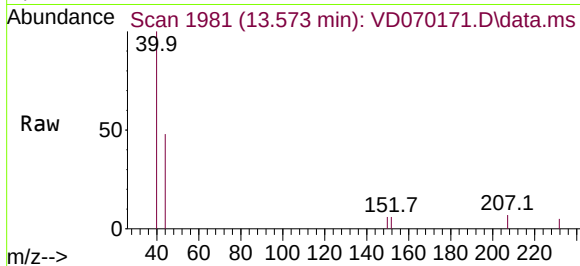




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.006 min
 Lab File: VD070171.D
 Acq: 19 Aug 2021 16:46

Instrument :
 MSVOA_D
 ClientSampled :

Tgt Ion:152 Resp: 79
 Ion Ratio Lower Upper
 152 100
 115 0.0 31.2 93.6#
 150 221.5 0.0 352.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 448.466 ug/l
 RT: 14.673 min Scan# 2168
 Delta R.T. 0.182 min
 Lab File: VD070171.D
 Acq: 19 Aug 2021 16:46

Tgt Ion: 75 Resp: 77
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.3 105.9#
 157 0.0 46.8 140.3#

