

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070859.D
 Acq On : 27 Oct 2021 12:58
 Operator : VA/SY
 Sample : M4357-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-102521

Quant Time: Oct 28 03:54:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

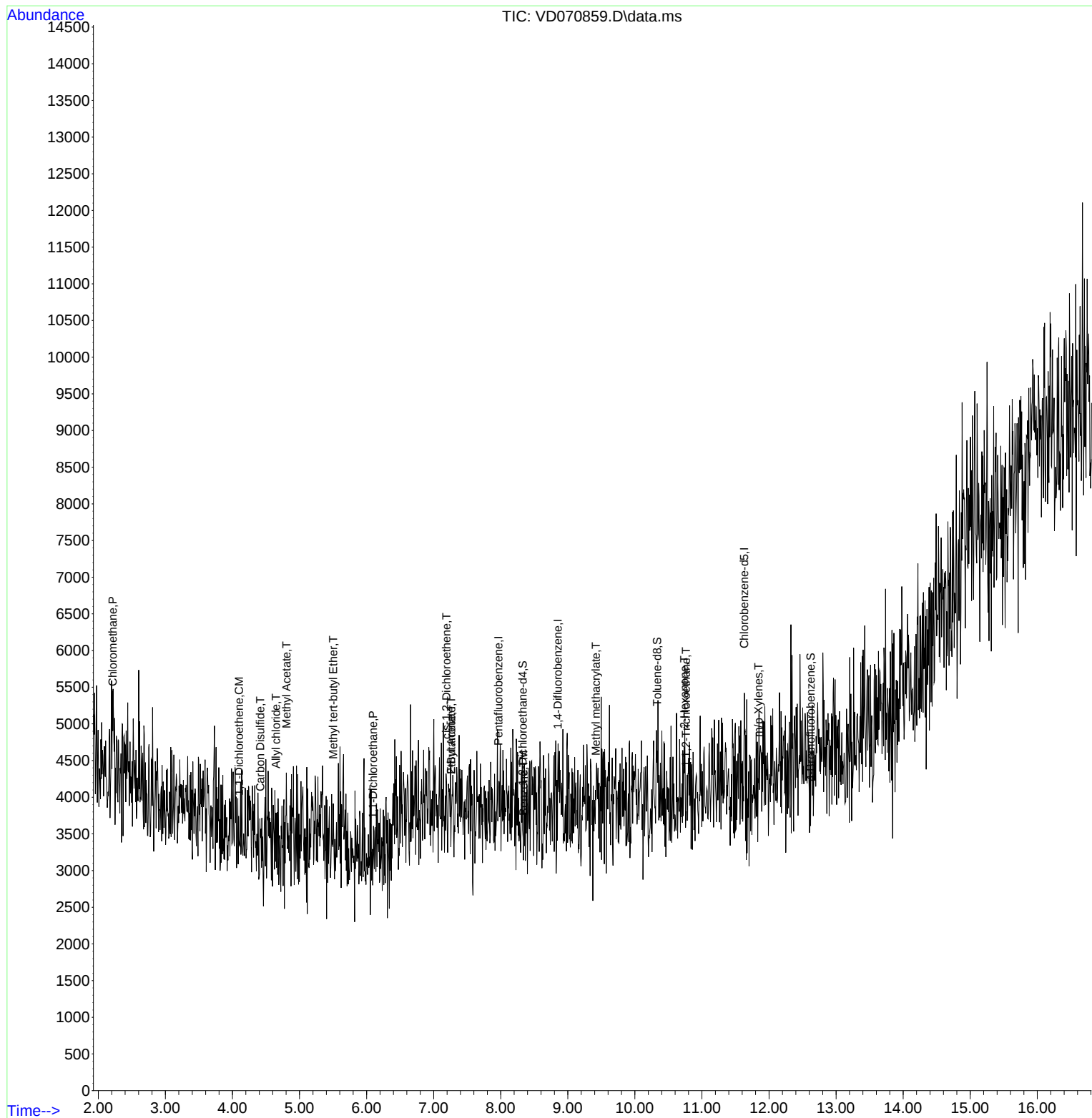
Internal Standards						
1) Pentafluorobenzene	7.967	168	557	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.850	114	715	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.632	117	165	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.56
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	84	14.995	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	29.980%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	10.332	98	913	51.477	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.960%
62) 4-Bromofluorobenzene	12.620	95	63	10.766	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	21.540%#
Target Compounds						Qvalue
3) Chloromethane	2.215	50	60	8.207	ug/l #	42
12) 1,1-Dichloroethene	4.097	96	55	9.786	ug/l #	1
14) Allyl chloride	4.650	41	60	6.815	ug/l #	28
17) Carbon Disulfide	4.415	76	54	2.718	ug/l #	73
18) Methyl Acetate	4.803	43	58	12.981	ug/l #	51
19) Methyl tert-butyl Ether	5.503	73	70	5.988	ug/l #	52
24) 1,1-Dichloroethane	6.097	63	81	6.582	ug/l #	82
25) 2-Butanone	7.261	43	58	36.156	ug/l #	45
27) cis-1,2-Dichloroethene	7.191	96	74	10.368	ug/l #	1
37) Ethyl Acetate	7.261	43	58	20.853	ug/l #	66
40) Benzene	8.338	78	60	2.759	ug/l #	51
48) Methyl methacrylate	9.420	41	85	34.409	ug/l #	15
55) 1,1,2-Trichloroethane	10.761	97	63	15.713	ug/l #	16
59) 2-Hexanone	10.738	43	65	33.585	ug/l #	22
68) m/p-Xylenes	11.844	106	56	24.398	ug/l #	1

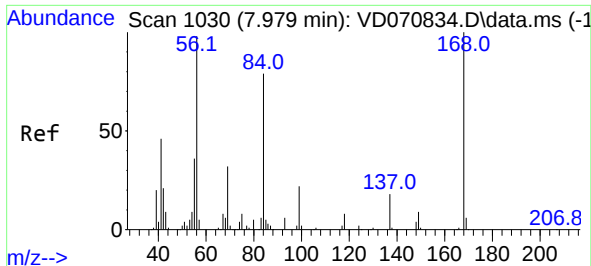
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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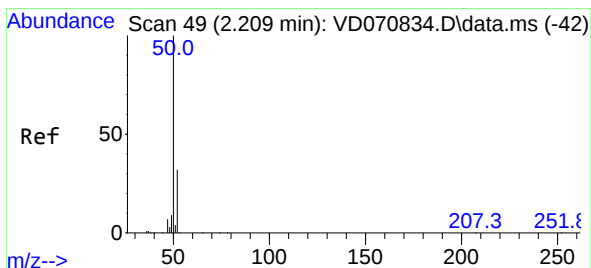
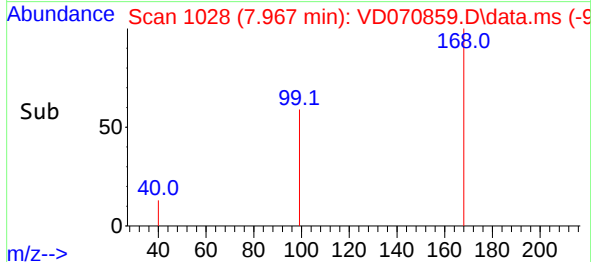
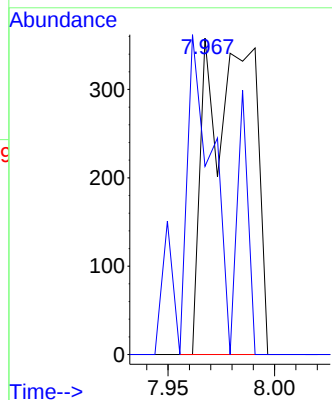
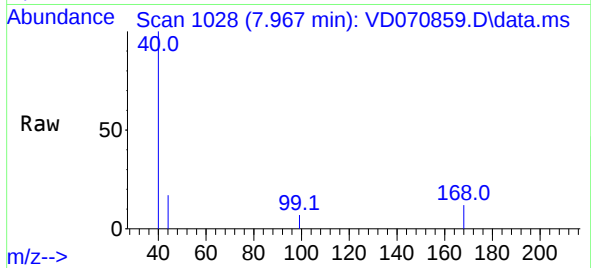




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

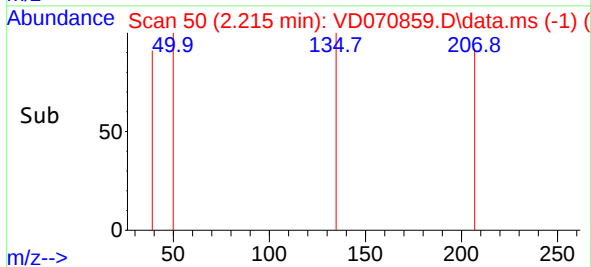
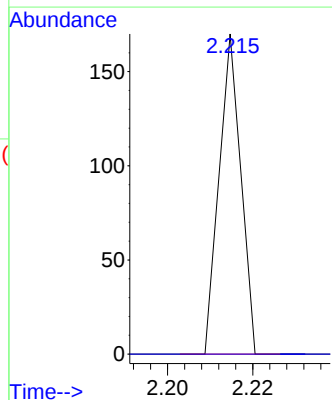
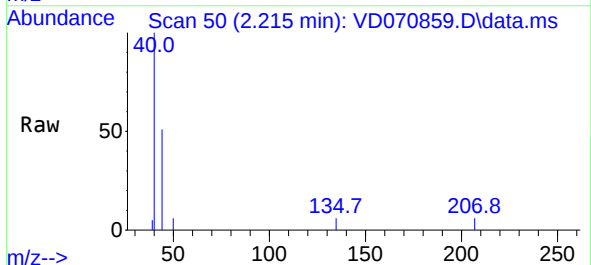
Instrument :
MSVOA_D
ClientSampleId :
CL-01-102521

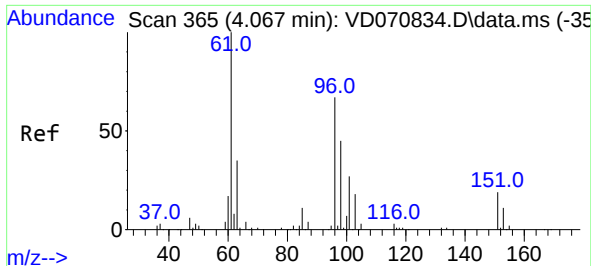
Tgt Ion:168 Resp: 557
Ion Ratio Lower Upper
168 100
99 59.5 46.6 69.8



#3
Chloromethane
Concen: 8.207 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

Tgt Ion: 50 Resp: 60
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#





#12

1,1-Dichloroethene

Concen: 9.786 ug/l

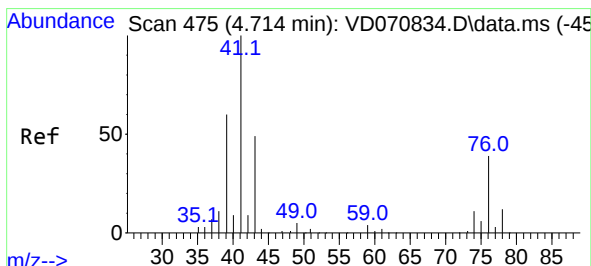
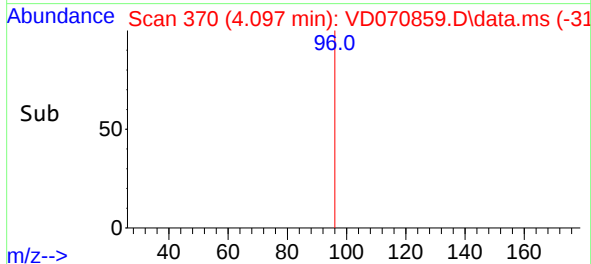
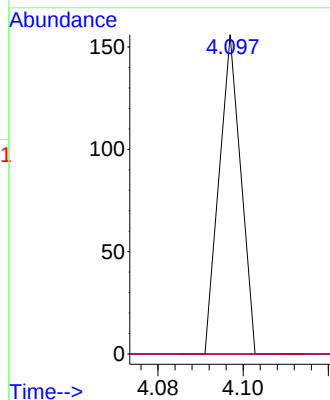
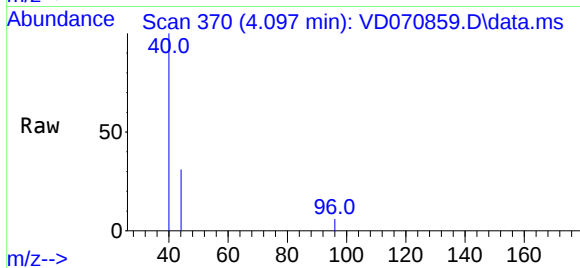
RT: 4.097 min Scan# 370

Delta R.T. 0.030 min

Lab File: VD070859.D

Acq: 27 Oct 2021 12:58

Tgt Ion: 96	Resp:	55
Ion	Ratio	Lower Upper
96	100	
61	0.0	120.3 180.5#
98	0.0	54.4 81.6#



#14

Allyl chloride

Concen: 6.815 ug/l

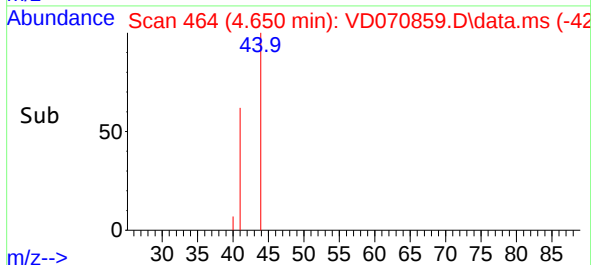
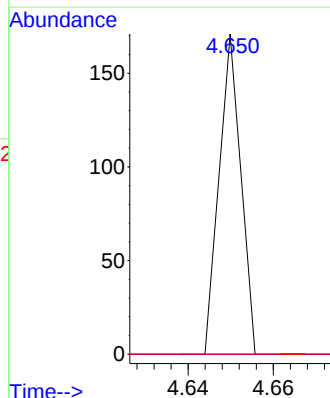
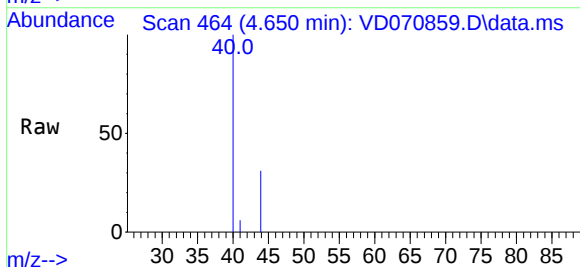
RT: 4.650 min Scan# 464

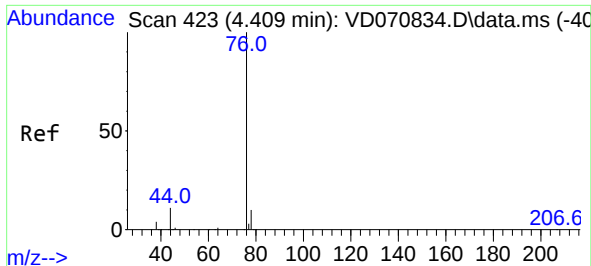
Delta R.T. -0.065 min

Lab File: VD070859.D

Acq: 27 Oct 2021 12:58

Tgt Ion: 41	Resp:	60
Ion	Ratio	Lower Upper
41	100	
39	0.0	45.6 68.4#
76	0.0	30.2 45.4#

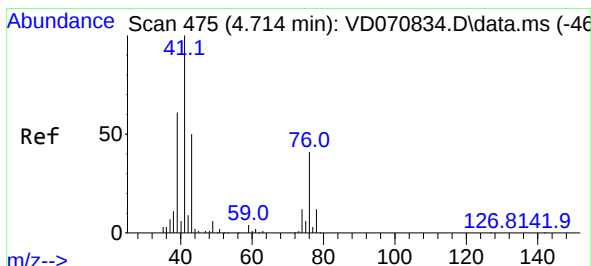
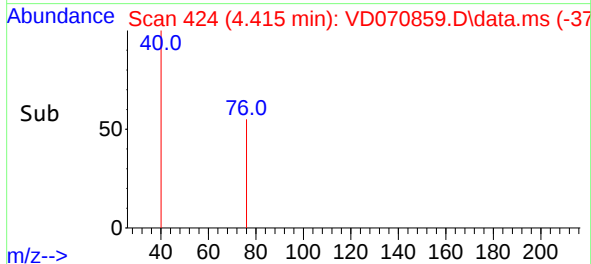
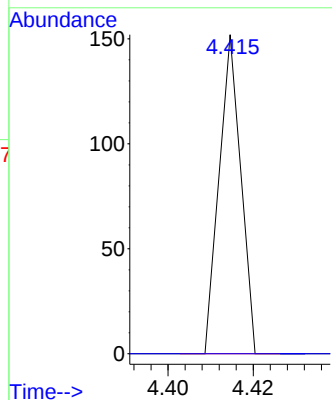
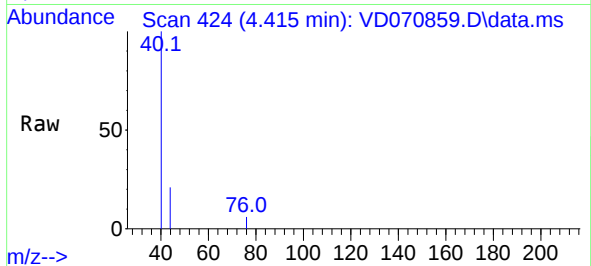




#17
Carbon Disulfide
Concen: 2.718 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

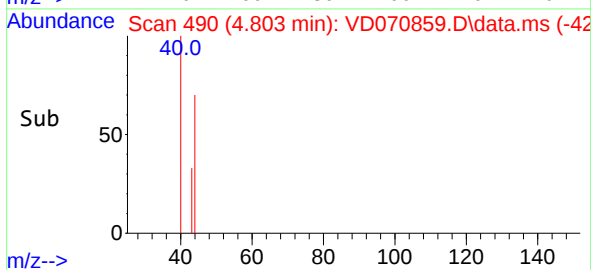
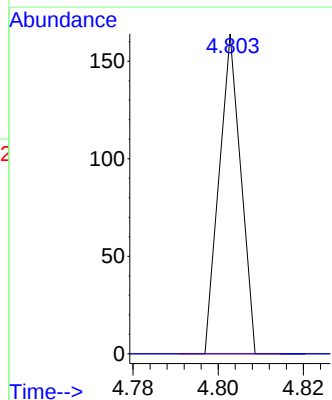
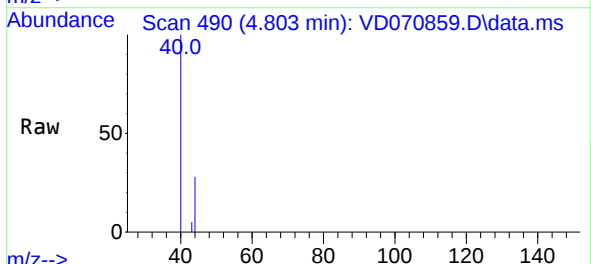
Instrument :
MSVOA_D
ClientSampleId :
CL-01-102521

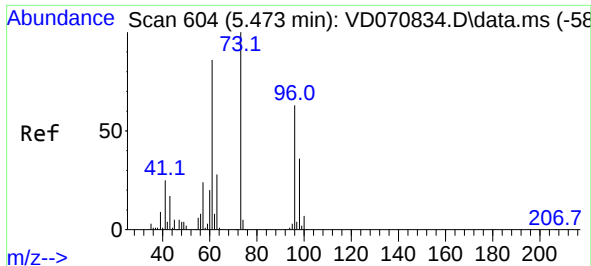
Tgt Ion: 76 Resp: 54
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#



#18
Methyl Acetate
Concen: 12.981 ug/l
RT: 4.803 min Scan# 490
Delta R.T. 0.088 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#

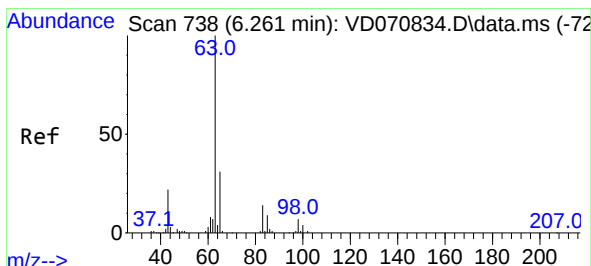
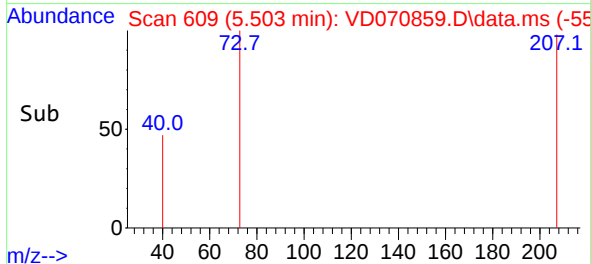
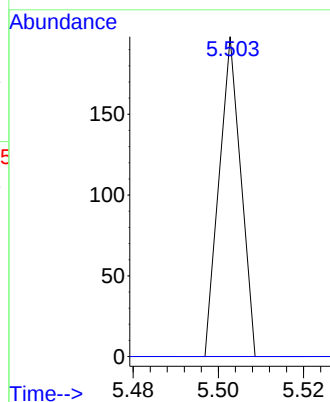
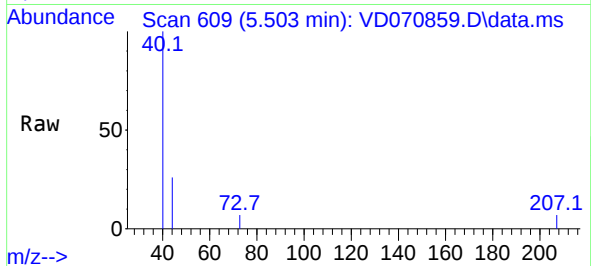




#19
Methyl tert-butyl Ether
Concen: 5.988 ug/l
RT: 5.503 min Scan# 609
Delta R.T. 0.030 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

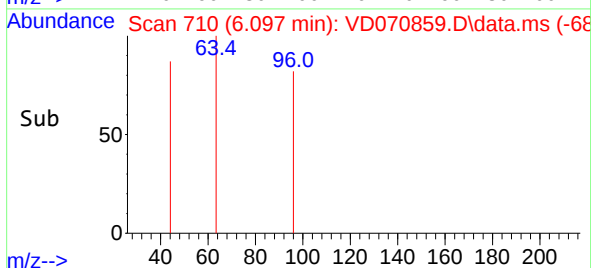
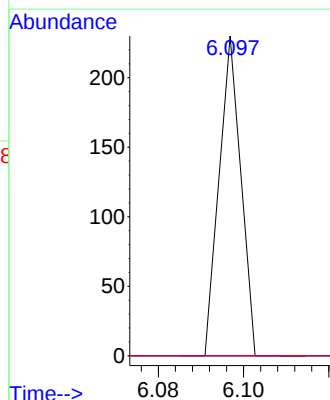
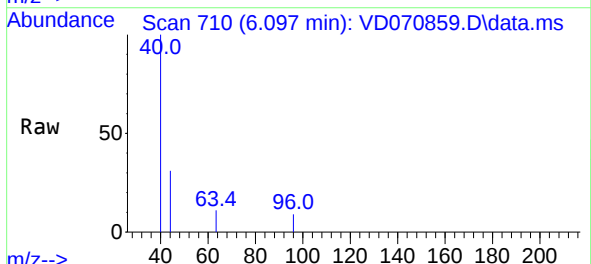
Instrument :
MSVOA_D
ClientSampleId :
CL-01-102521

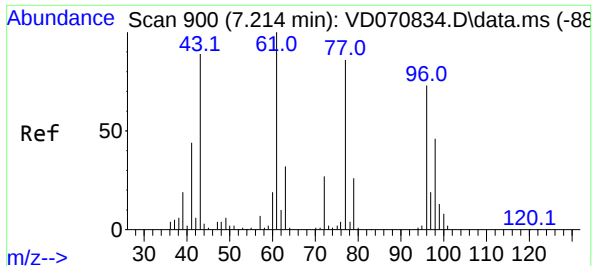
Tgt Ion: 73 Resp: 70
Ion Ratio Lower Upper
73 100
57 0.0 18.9 28.3#



#24
1,1-Dichloroethane
Concen: 6.582 ug/l
RT: 6.097 min Scan# 710
Delta R.T. -0.165 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

Tgt Ion: 63 Resp: 81
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.6#
100 0.0 2.1 6.3#

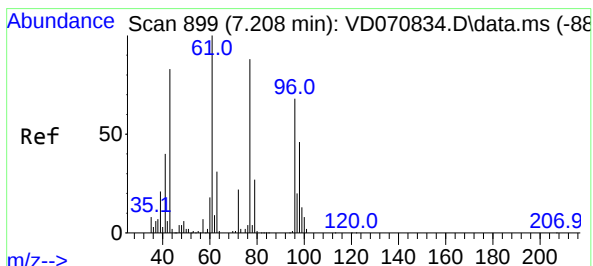
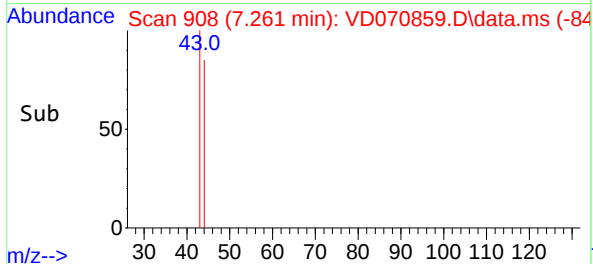
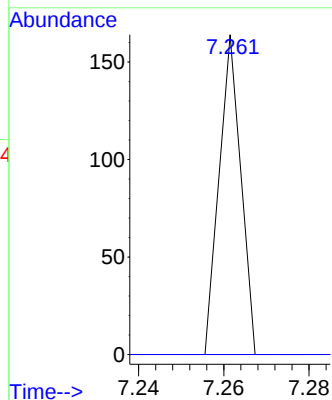
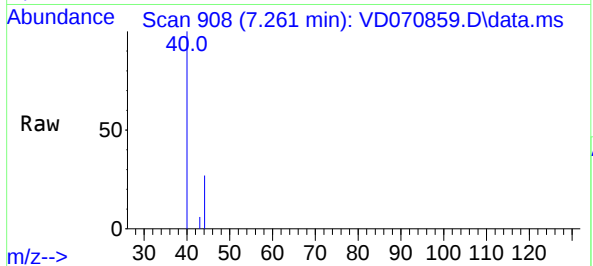




#25
2-Butanone
Concen: 36.156 ug/l
RT: 7.261 min Scan# 908
Delta R.T. 0.047 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

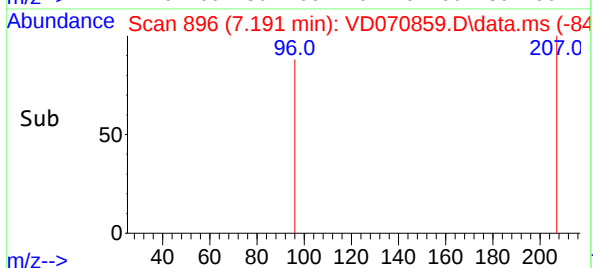
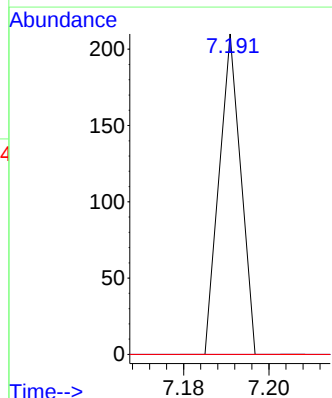
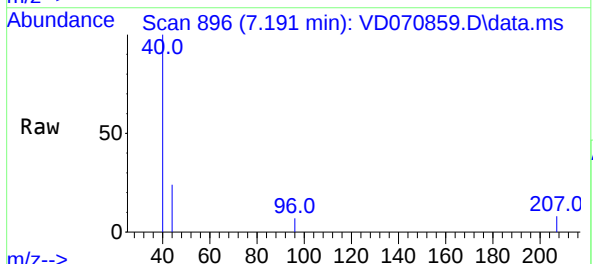
Instrument :
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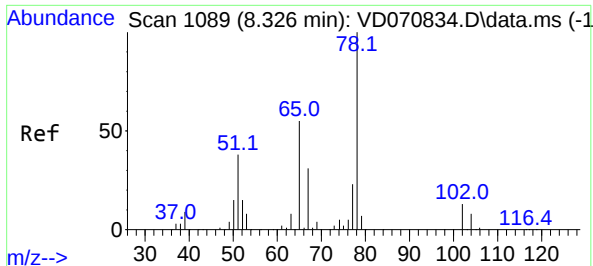
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#27
cis-1,2-Dichloroethene
Concen: 10.368 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.017 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

Tgt Ion: 96 Resp: 74
Ion Ratio Lower Upper
96 100
61 0.0 0.0 288.6
98 0.0 0.0 129.2

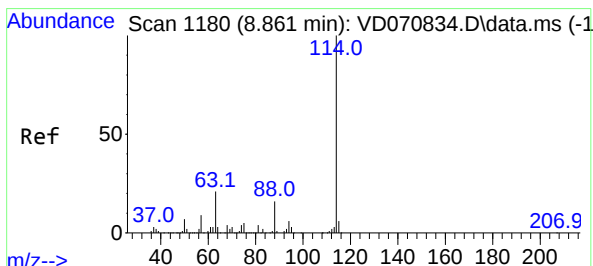
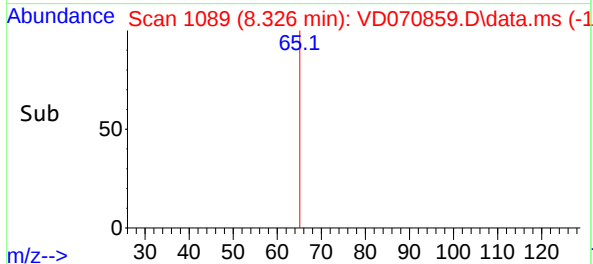
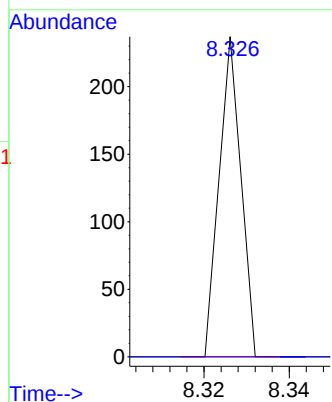
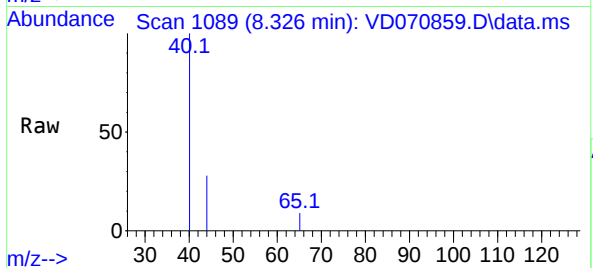




#33
1,2-Dichloroethane-d4
Concen: 14.995 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

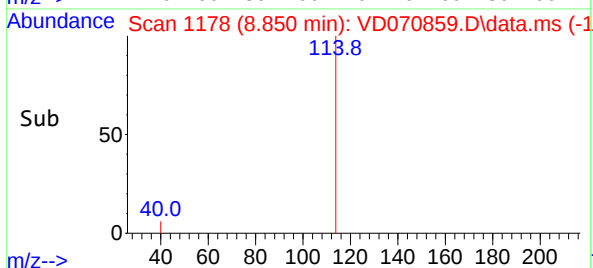
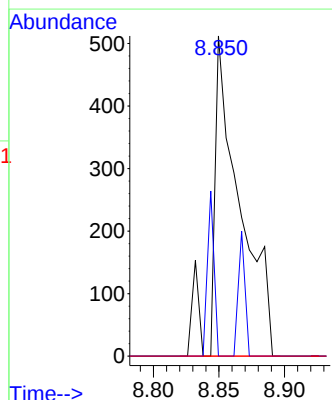
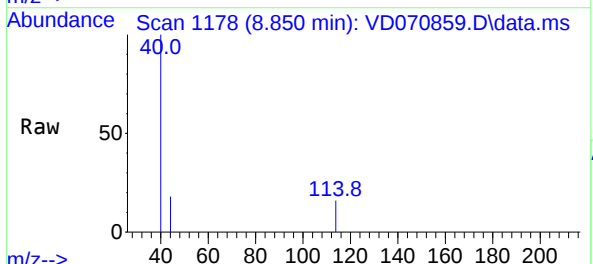
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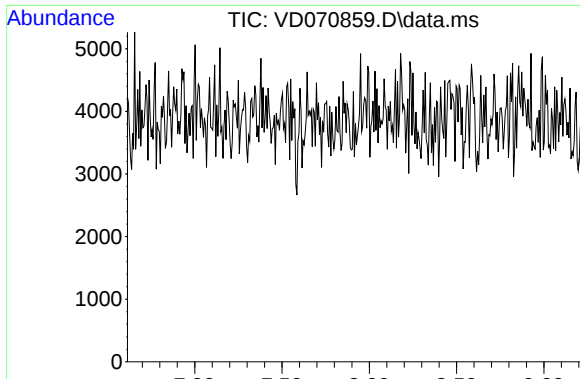
Tgt Ion: 65 Resp: 84
Ion Ratio Lower Upper
65 100
67 0.0 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.850 min Scan# 1178
Delta R.T. -0.011 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

Tgt Ion: 114 Resp: 715
Ion Ratio Lower Upper
114 100
63 0.0 0.0 41.8
88 0.0 0.0 32.8



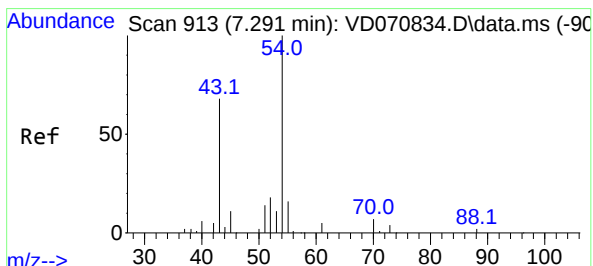
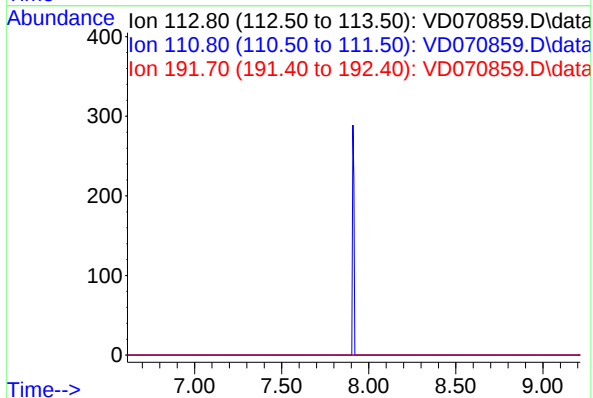


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.91 min
 Lab File: VD070859.D
 Acq: 27 Oct 2021 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-102521

Tgt Ion: 113

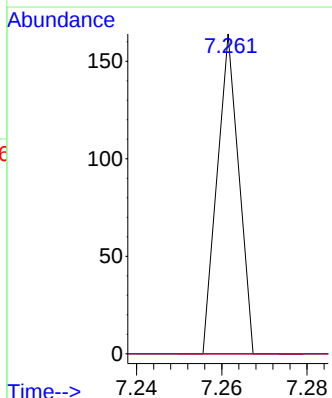
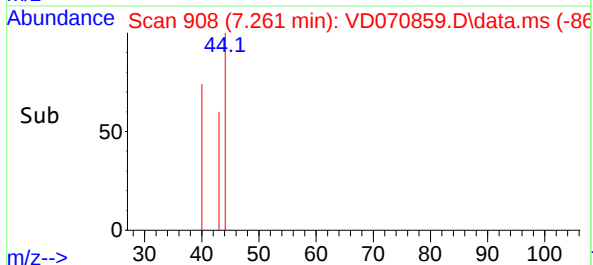
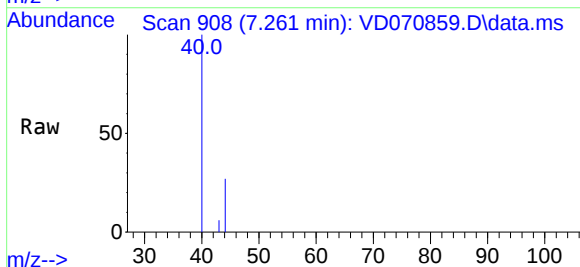
Sig	Exp Ratio
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111	102.5
192	19.0

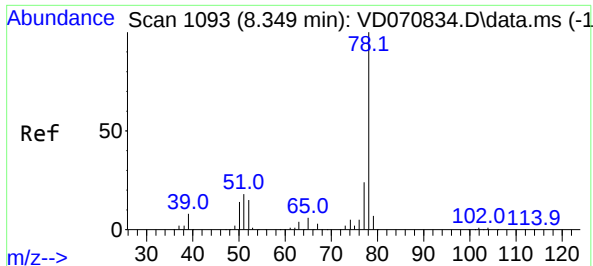


#37
 Ethyl Acetate
 Concen: 20.853 ug/l
 RT: 7.261 min Scan# 908
 Delta R.T. -0.029 min
 Lab File: VD070859.D
 Acq: 27 Oct 2021 12:58

Tgt Ion: 43 Resp: 58

Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	0.0	8.7	13.1#

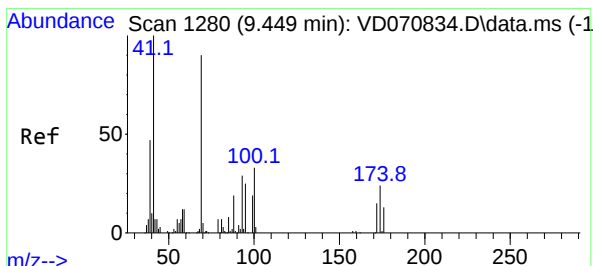
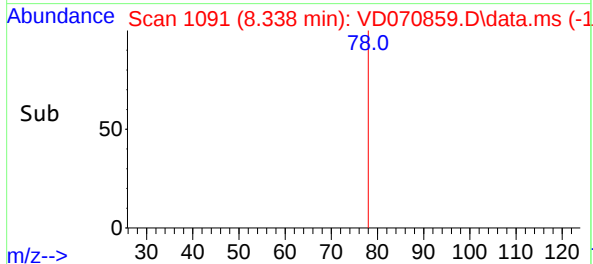
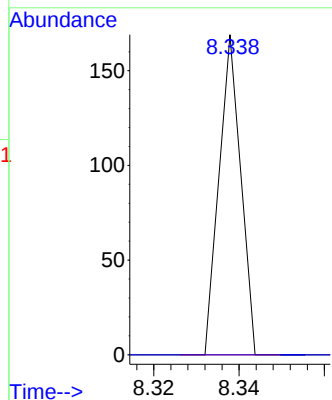
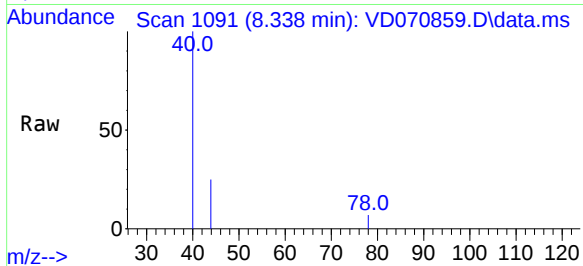




#40
Benzene
Concen: 2.759 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. -0.012 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

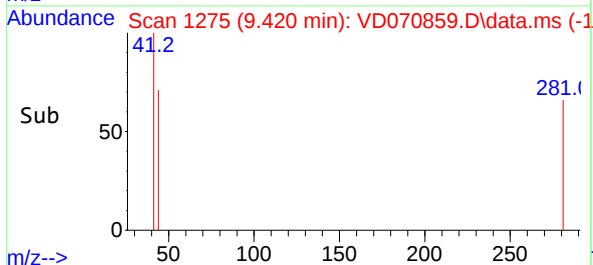
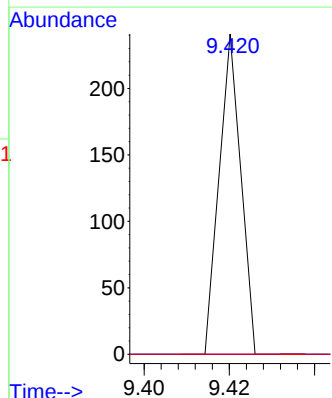
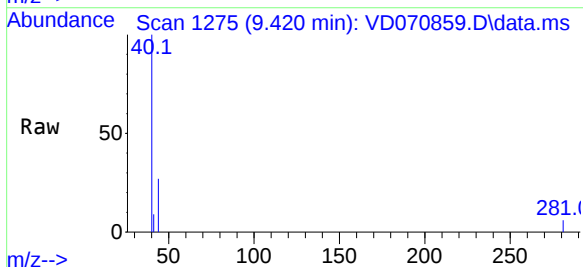
Instrument :
MSVOA_D
ClientSampleId :
CL-01-102521

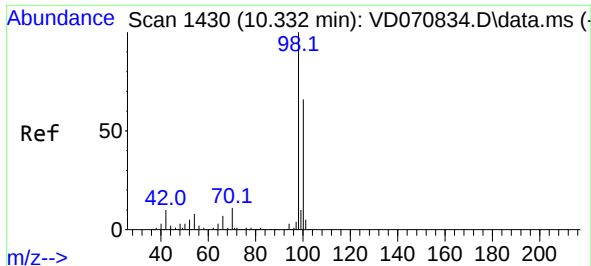
Tgt Ion: 78 Resp: 60
Ion Ratio Lower Upper
78 100
77 0.0 19.1 28.7#



#48
Methyl methacrylate
Concen: 34.409 ug/l
RT: 9.420 min Scan# 1275
Delta R.T. -0.029 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

Tgt Ion: 41 Resp: 85
Ion Ratio Lower Upper
41 100
69 0.0 69.8 104.6#
39 0.0 35.6 53.4#

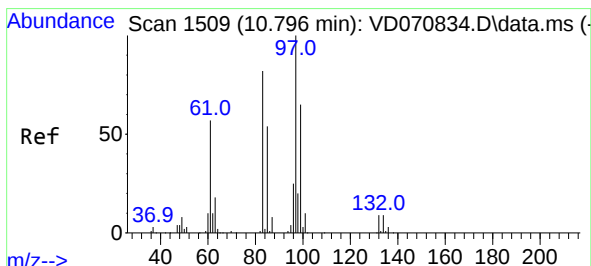
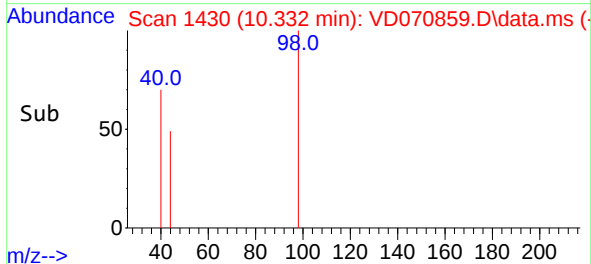
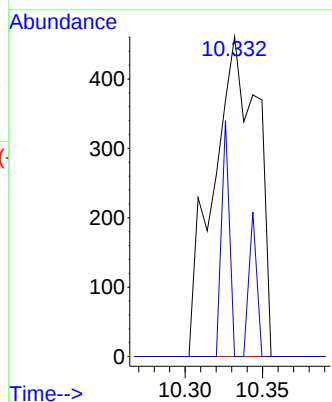
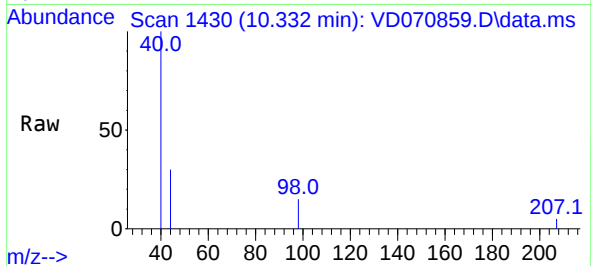




#50
Toluene-d8
Concen: 51.477 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

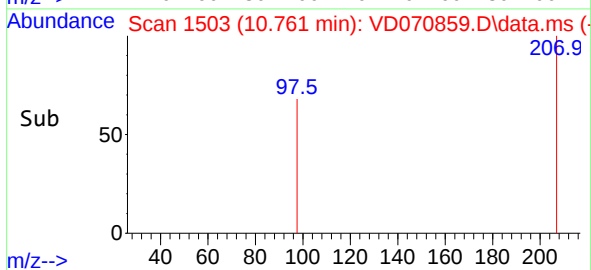
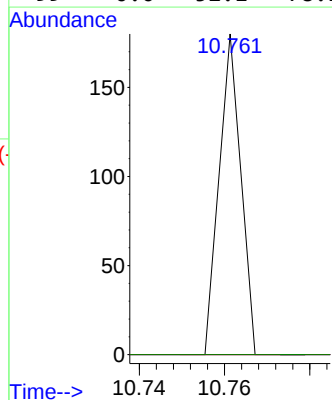
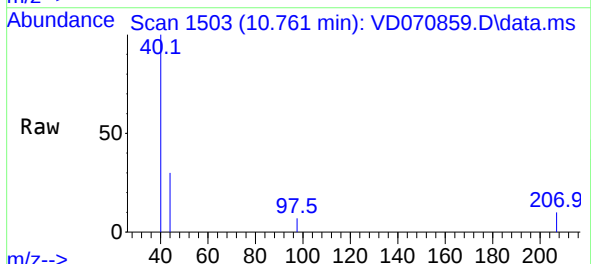
Instrument :
MSVOA_D
ClientSampleId :
CL-01-102521

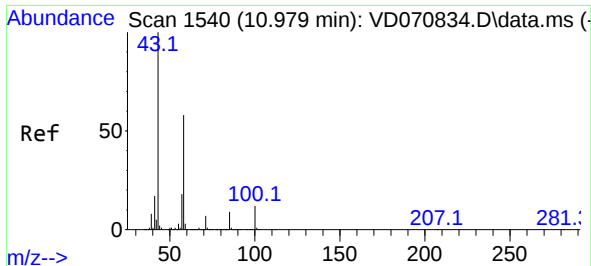
Tgt Ion: 98 Resp: 913
Ion Ratio Lower Upper
98 100
100 13.1 51.8 77.6#



#55
1,1,2-Trichloroethane
Concen: 15.713 ug/l
RT: 10.761 min Scan# 1503
Delta R.T. -0.035 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

Tgt Ion: 97 Resp: 63
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#

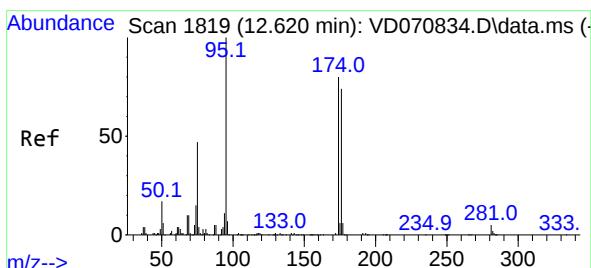
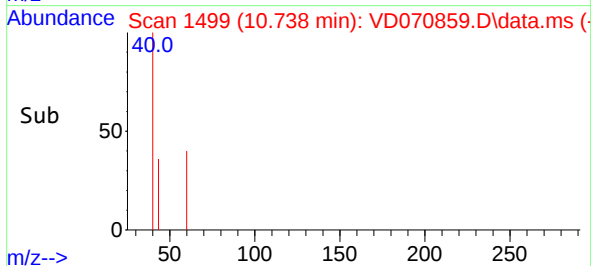
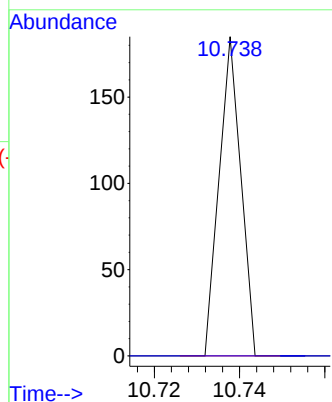
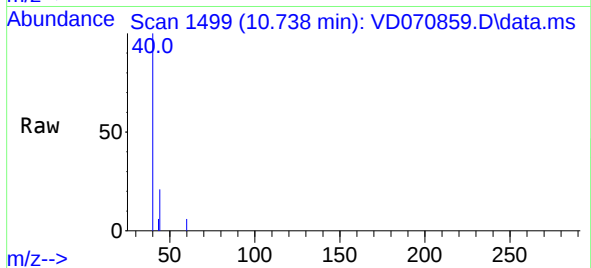




#59
2-Hexanone
Concen: 33.585 ug/l
RT: 10.738 min Scan# 1499
Delta R.T. -0.241 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

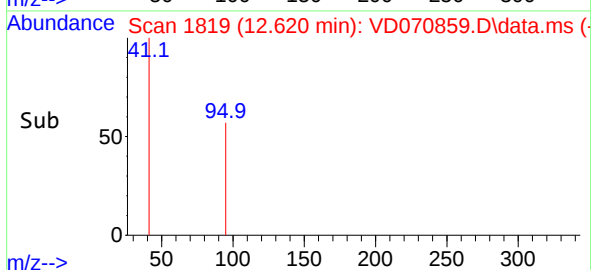
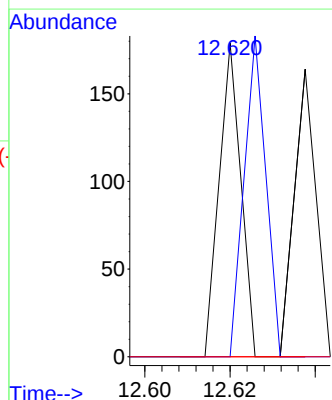
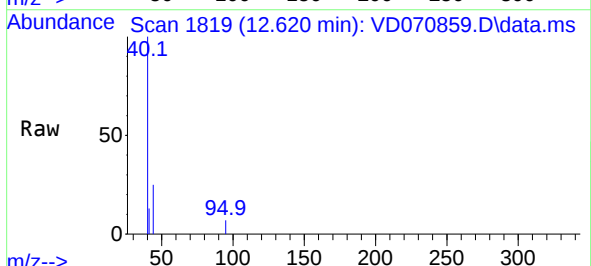
Instrument :
MSVOA_D
ClientSampleId :
CL-01-102521

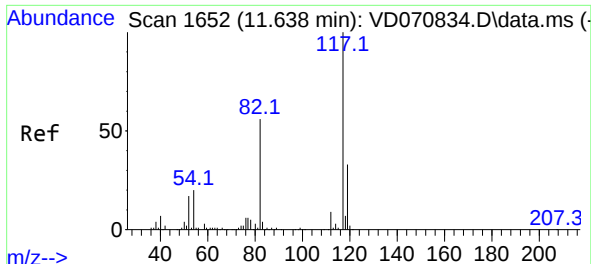
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 10.766 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

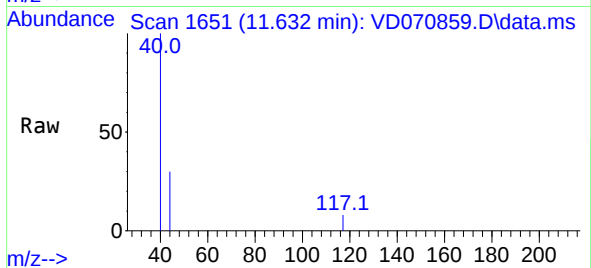
Tgt Ion: 95 Resp: 63
Ion Ratio Lower Upper
95 100
174 103.2 0.0 159.4
176 0.0 0.0 154.0



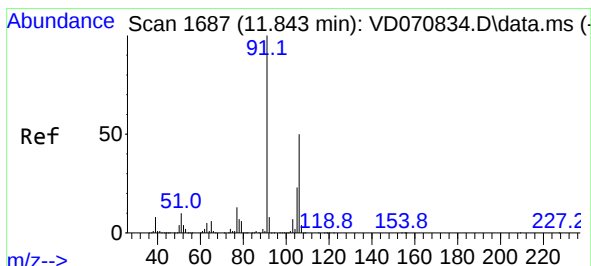
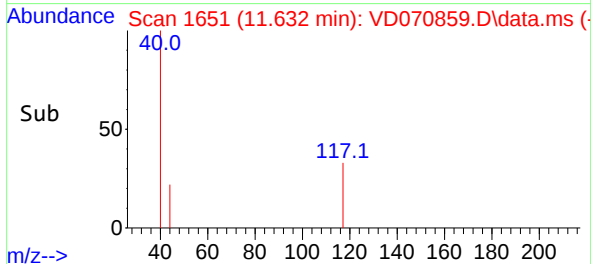
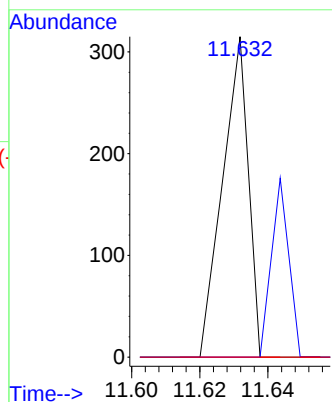


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

Instrument :
MSVOA_D
ClientSampleId :
CL-01-102521

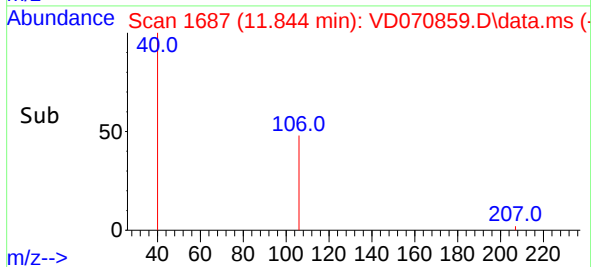
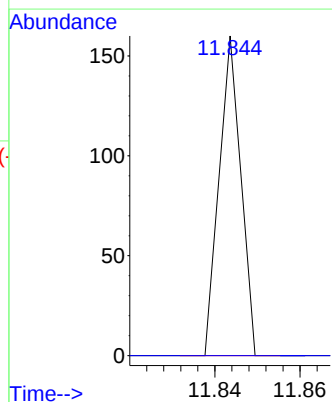
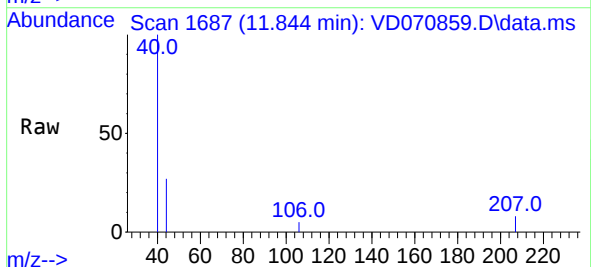


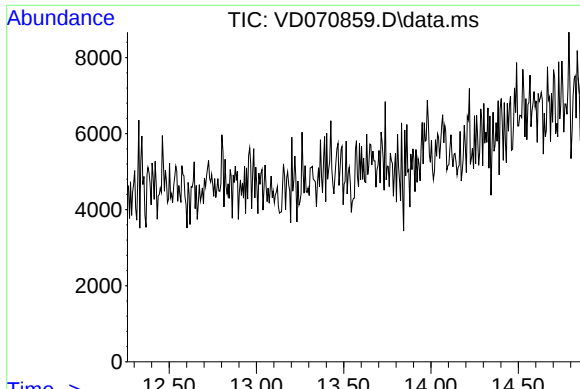
Tgt Ion:117 Resp: 165
Ion Ratio Lower Upper
117 100
82 0.0 44.7 67.1#
119 0.0 26.2 39.4#



#68
m/p-Xylenes
Concen: 24.398 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD070859.D
Acq: 27 Oct 2021 12:58

Tgt Ion:106 Resp: 56
Ion Ratio Lower Upper
106 100
91 0.0 160.1 240.1#





#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 13.56 min
 Lab File: VD070859.D
 Acq: 27 Oct 2021 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-102521

Tgt Ion: 152	
Sig	Exp Ratio
152	100
115	59.5
150	174.6

