

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070862.D
 Acq On : 27 Oct 2021 14:23
 Operator : VA/SY
 Sample : M4343-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 28 03:55:51 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)

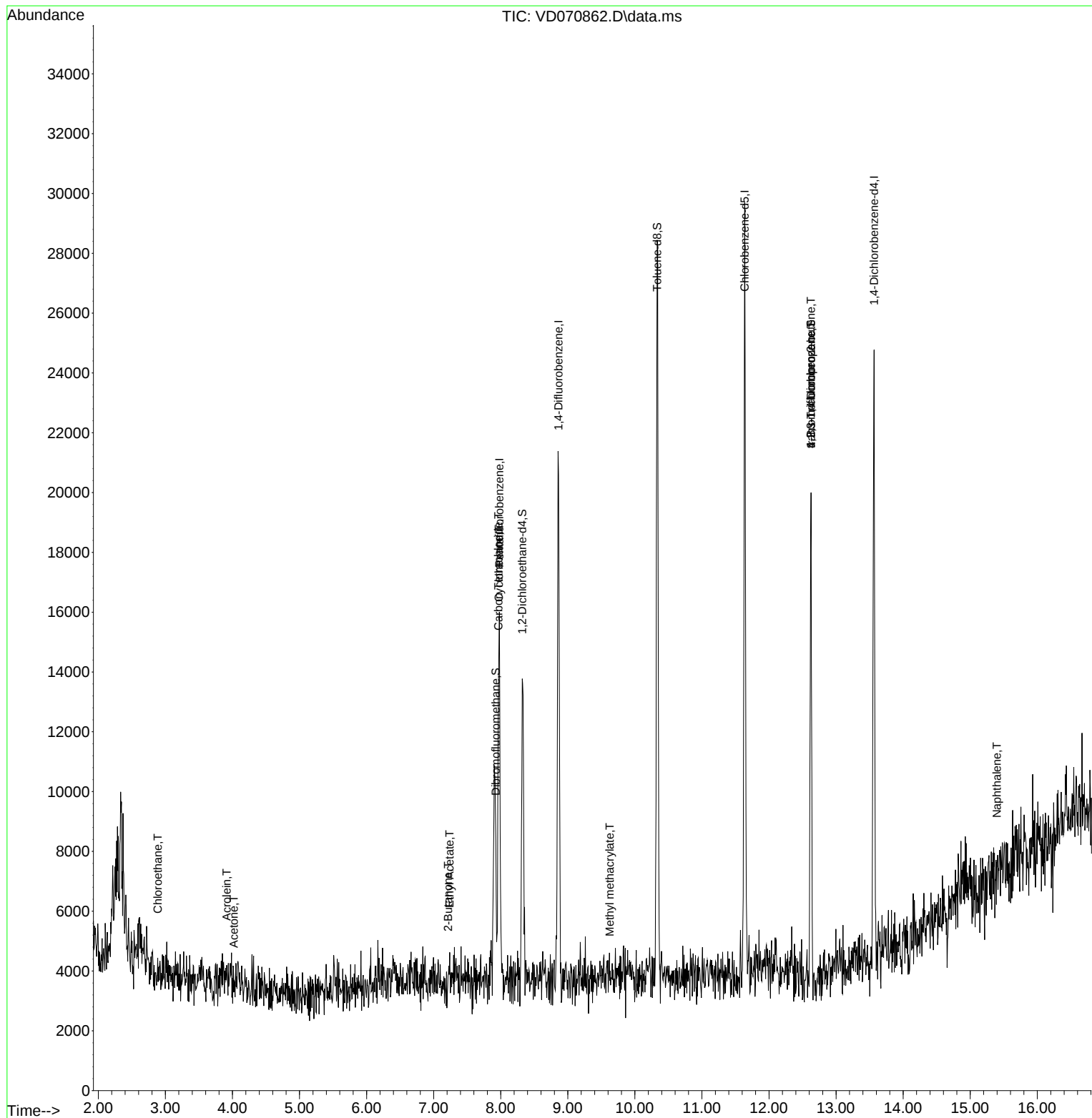
Internal Standards						
1) Pentafluorobenzene	7.979	168	9644	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	15474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	14556	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	5487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	8364	86.232	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 172.460%#	
35) Dibromofluoromethane	7.926	113	5911	57.935	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.880%	
50) Toluene-d8	10.332	98	18634	48.546	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.100%	
62) 4-Bromofluorobenzene	12.626	95	5759	45.473	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.940%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.797	94	307	Below Cal		89
6) Chloroethane	2.885	64	125	1.445	ug/l #	39
13) Acrolein	3.915	56	92	19.902	ug/l #	13
16) Acetone	4.020	43	97	4.299	ug/l #	40
25) 2-Butanone	7.214	43	59	2.124	ug/l #	45
31) Cyclohexane	7.973	56	247	1.250	ug/l #	1
37) Ethyl Acetate	7.238	43	61	1.013	ug/l #	66
38) Carbon Tetrachloride	7.967	117	803	4.932	ug/l #	12
48) Methyl methacrylate	9.626	41	64	1.197	ug/l #	15
76) 1,2,3-Trichloropropane	12.626	75	2480	45.913	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	2480	120.506	ug/l #	18
95) Naphthalene	15.396	128	56	4.422	ug/l #	69

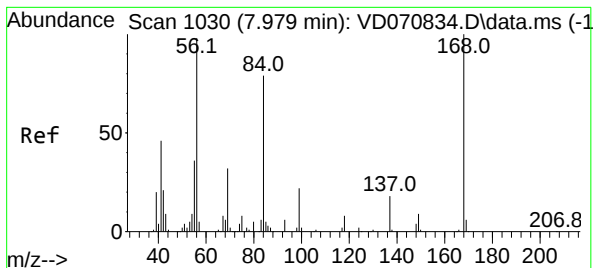
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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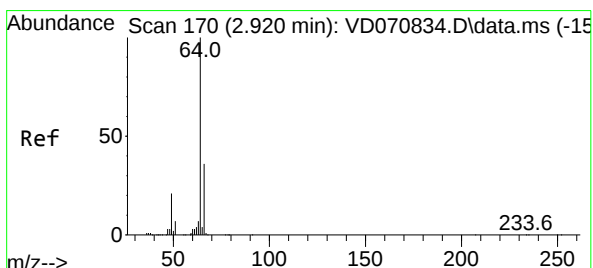
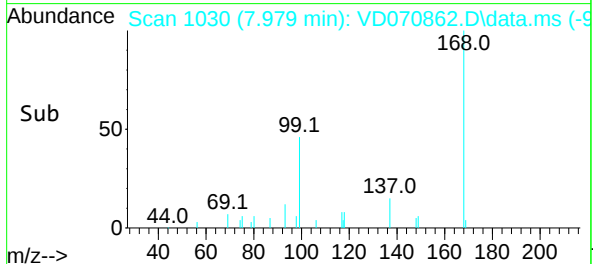
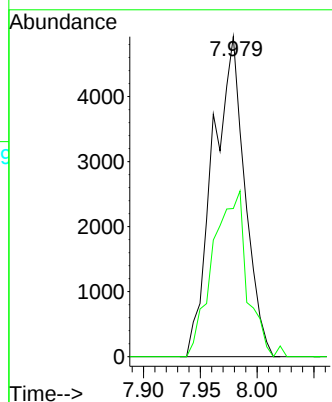
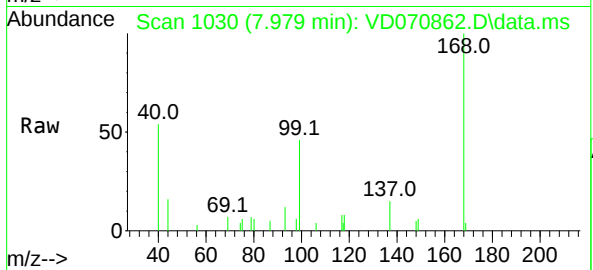




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

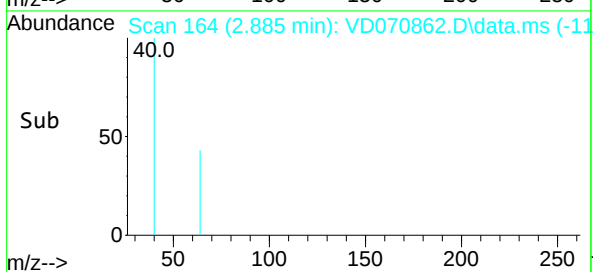
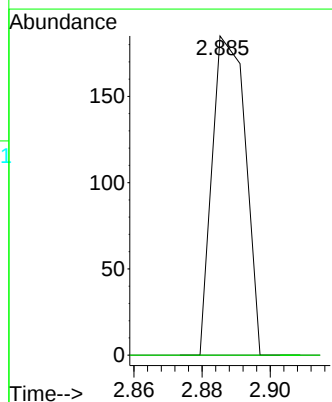
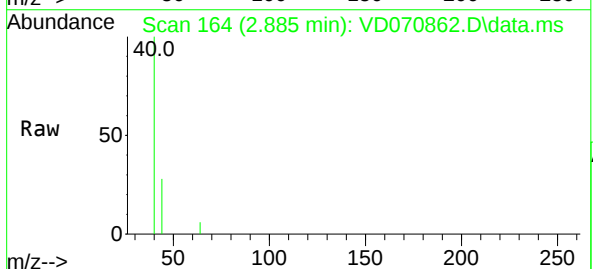
Instrument :
MSVOA_D
ClientSampleId :

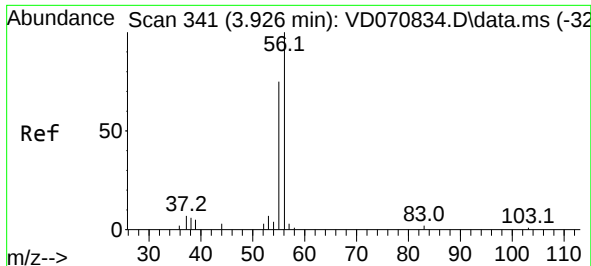
Tgt Ion:168 Resp: 9644
Ion Ratio Lower Upper
168 100
99 46.3 46.6 69.8#



#6
Chloroethane
Concen: 1.445 ug/l
RT: 2.885 min Scan# 164
Delta R.T. -0.035 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

Tgt Ion: 64 Resp: 125
Ion Ratio Lower Upper
64 100
66 0.0 29.0 43.4#

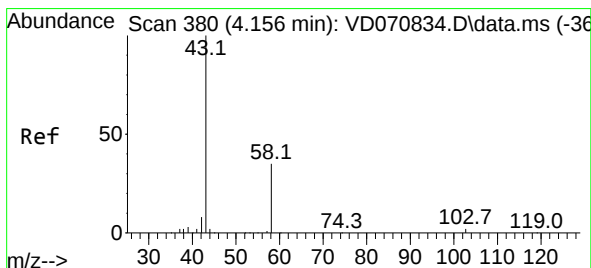
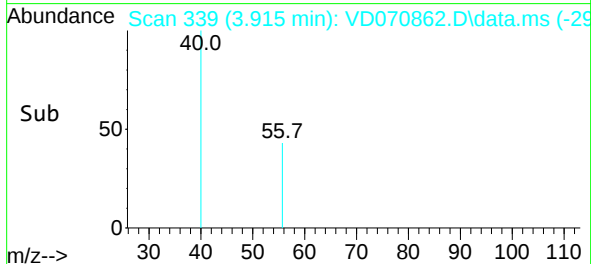
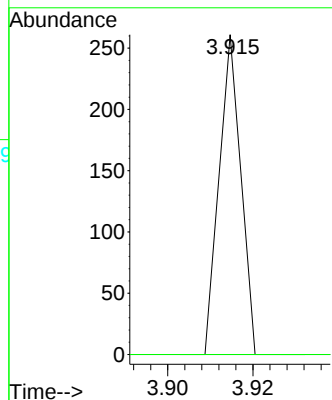
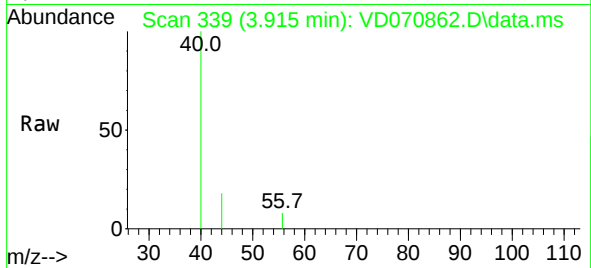




#13
Acrolein
Concen: 19.902 ug/l
RT: 3.915 min Scan# 339
Delta R.T. -0.012 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

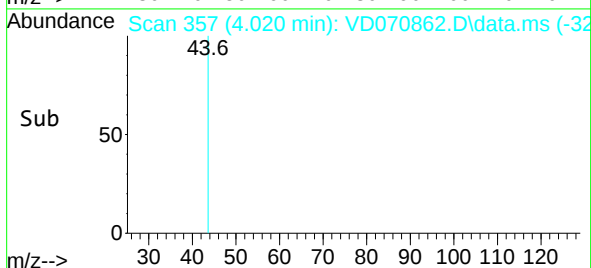
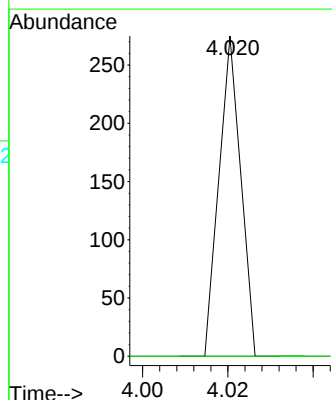
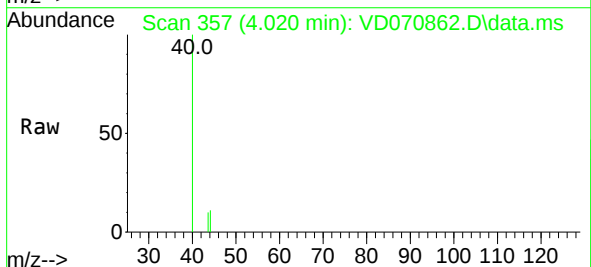
Instrument :
MSVOA_D
ClientSampled :

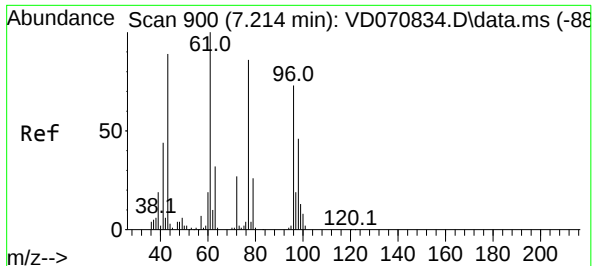
Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#



#16
Acetone
Concen: 4.299 ug/l
RT: 4.020 min Scan# 357
Delta R.T. -0.135 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

Tgt Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

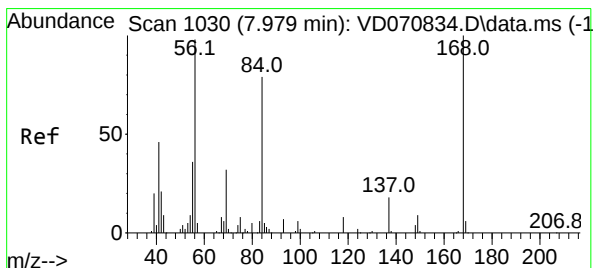
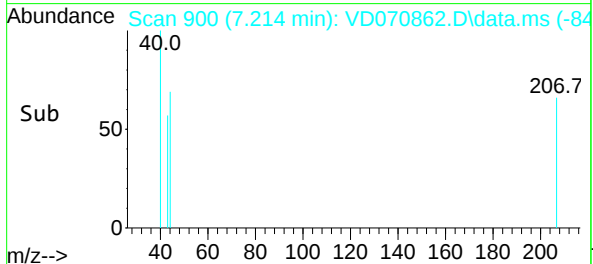
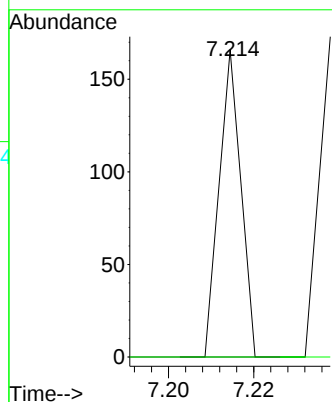
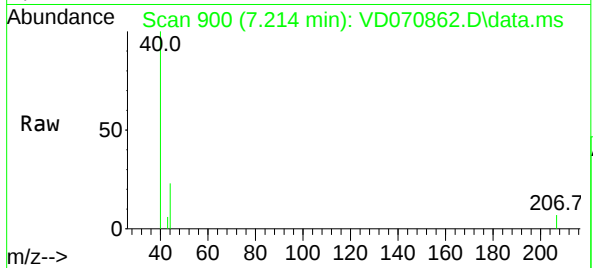




#25
2-Butanone
Concen: 2.124 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

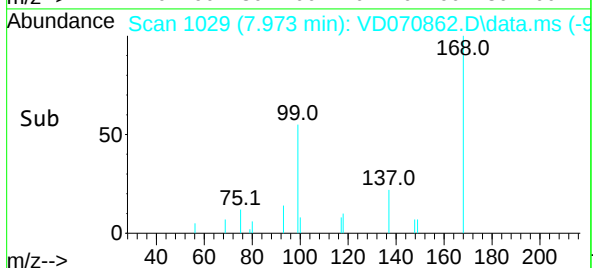
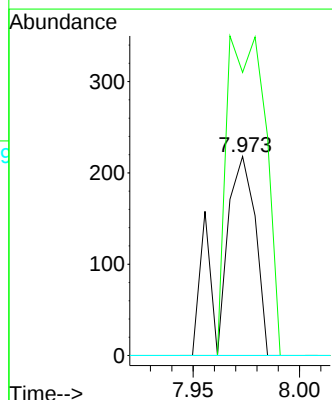
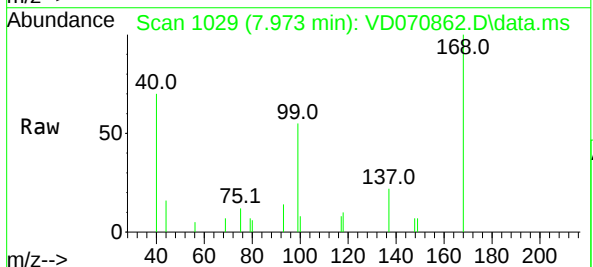
Instrument :
MSVOA_D
ClientSampled :

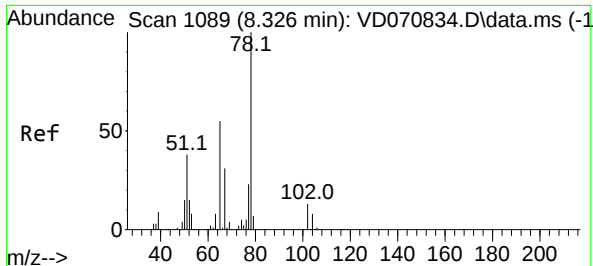
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

Tgt Ion: 56 Resp: 247
Ion Ratio Lower Upper
56 100
69 142.2 25.9 38.9#
84 0.0 64.3 96.5#



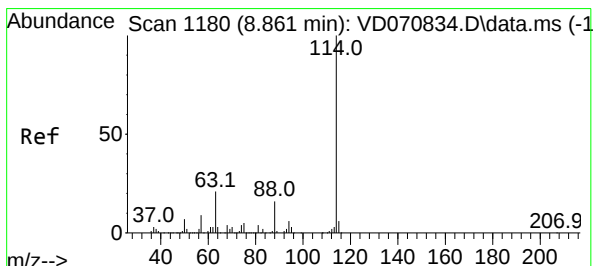
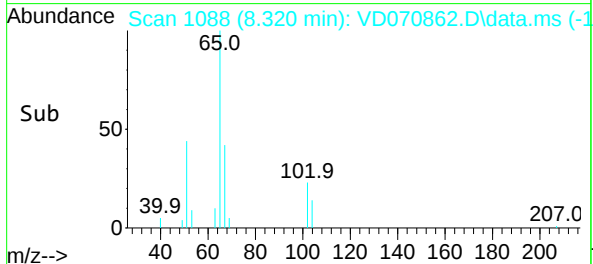
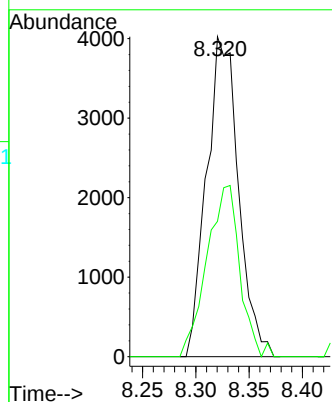
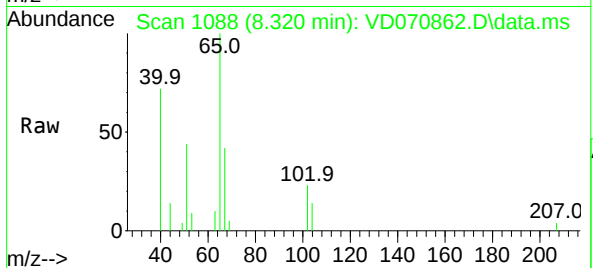


#33

1,2-Dichloroethane-d4
Concen: 86.232 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

Instrument :
MSVOA_D
ClientSampleId :

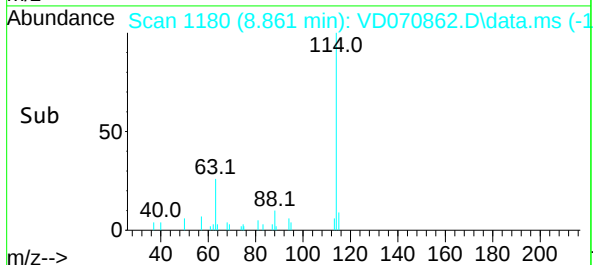
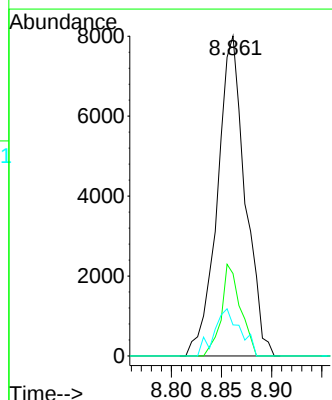
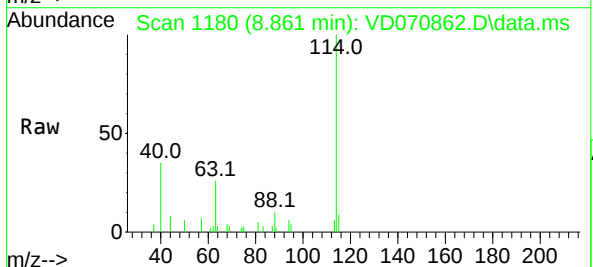
Tgt Ion: 65 Resp: 8364
Ion Ratio Lower Upper
65 100
67 55.1 0.0 112.2

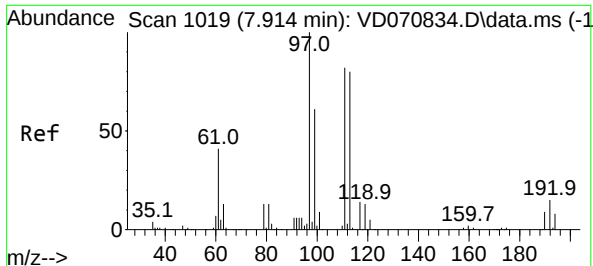


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

Tgt Ion: 114 Resp: 15474
Ion Ratio Lower Upper
114 100
63 25.7 0.0 41.8
88 12.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 57.935 ug/l

RT: 7.926 min Scan# 1021

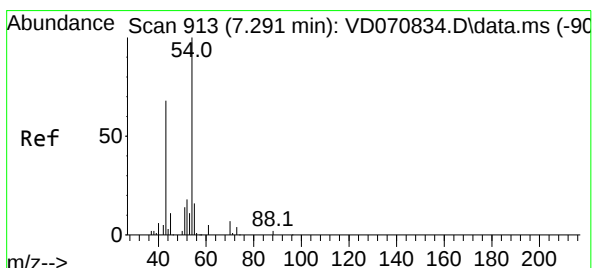
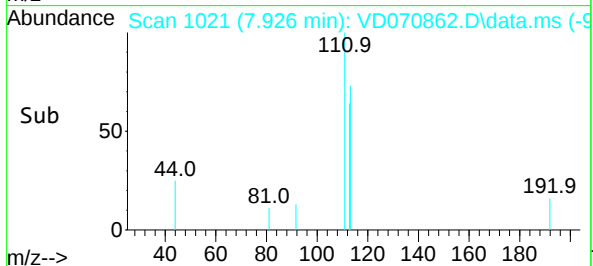
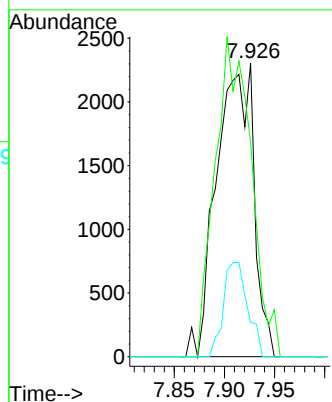
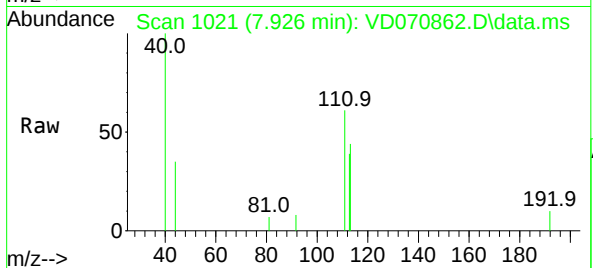
Delta R.T. 0.012 min

Lab File: VD070862.D

Acq: 27 Oct 2021 14:23

Tgt Ion:	113	Resp:	5911
Ion	Ratio	Lower	Upper
113	100		
111	0.0	82.0	123.0#
192	21.1	15.2	22.8

Instrument :
MSVOA_D
ClientSampleId :



#37

Ethyl Acetate

Concen: 1.013 ug/l

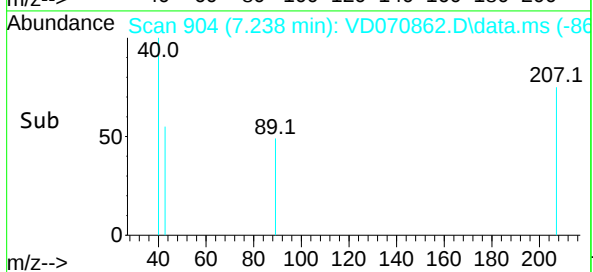
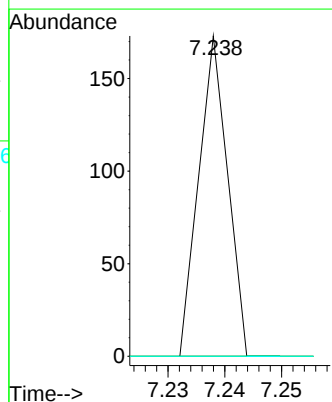
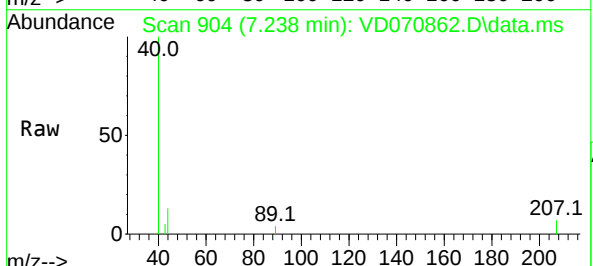
RT: 7.238 min Scan# 904

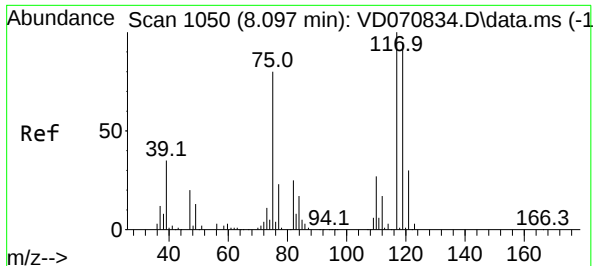
Delta R.T. -0.053 min

Lab File: VD070862.D

Acq: 27 Oct 2021 14:23

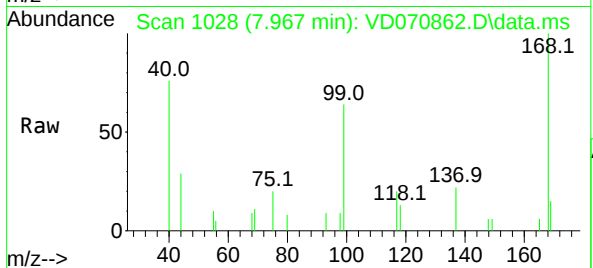
Tgt Ion:	43	Resp:	61
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	0.0	8.7	13.1#



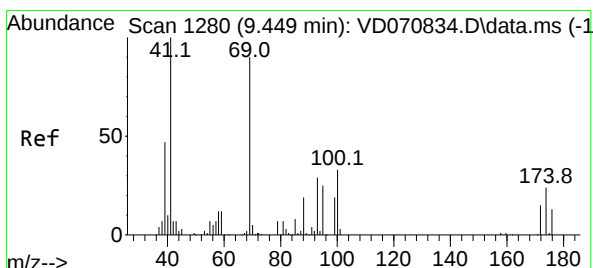
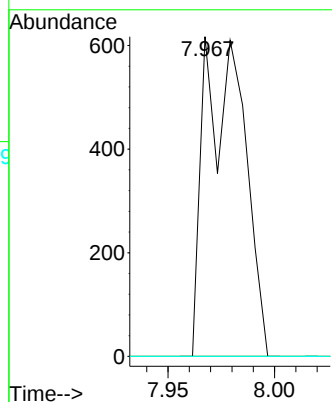
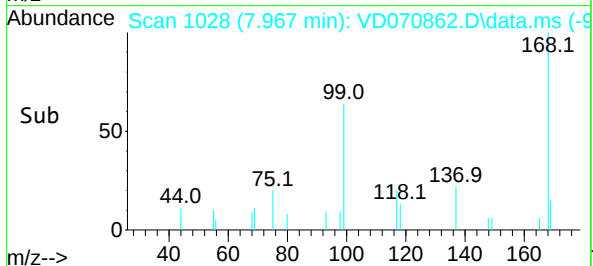


#38
Carbon Tetrachloride
Concen: 4.932 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.129 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

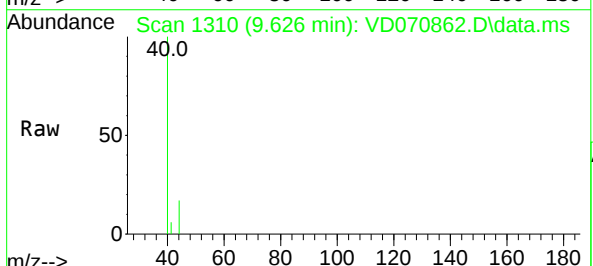
Instrument :
MSVOA_D
ClientSampleId :



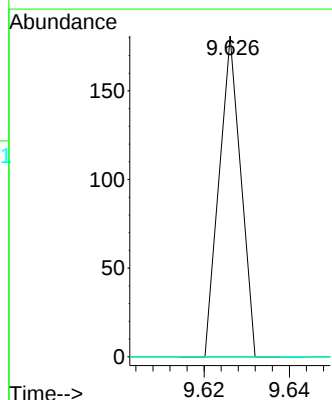
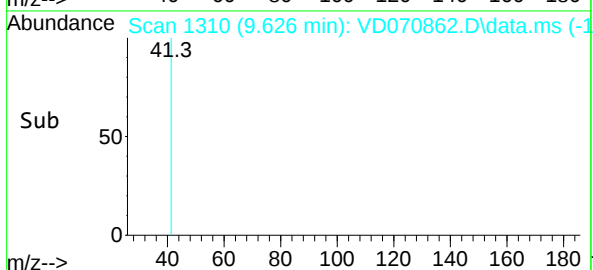
Tgt Ion:117 Resp: 803
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#

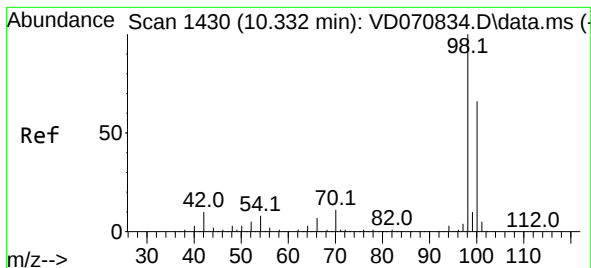


#48
Methyl methacrylate
Concen: 1.197 ug/l
RT: 9.626 min Scan# 1310
Delta R.T. 0.177 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23



Tgt Ion: 41 Resp: 64
Ion Ratio Lower Upper
41 100
69 0.0 69.8 104.6#
39 0.0 35.6 53.4#

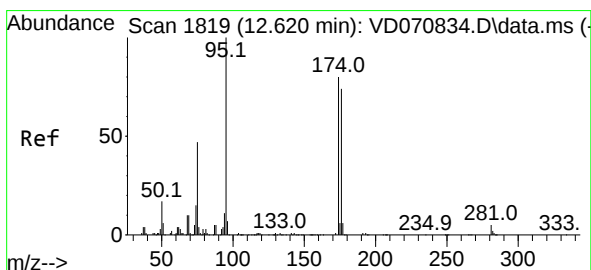
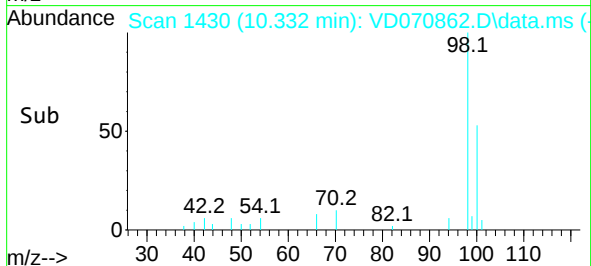
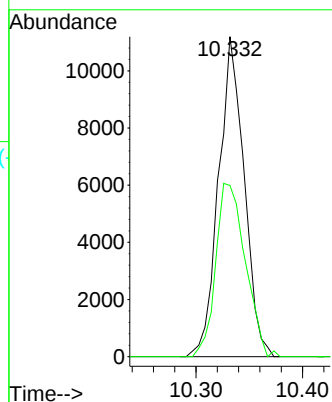
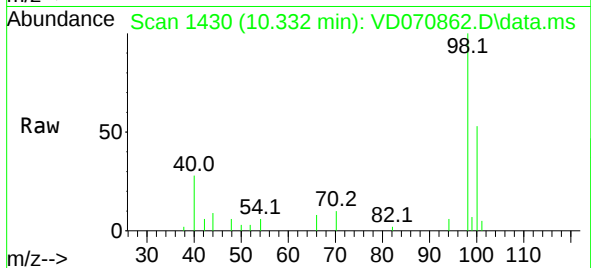




#50
Toluene-d8
Concen: 48.546 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

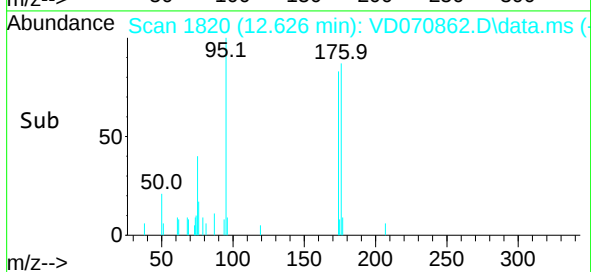
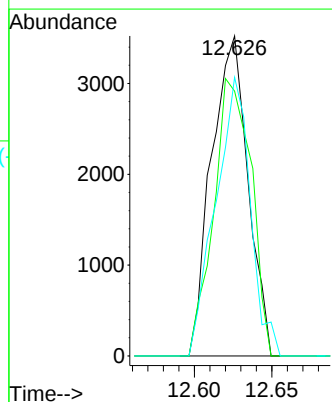
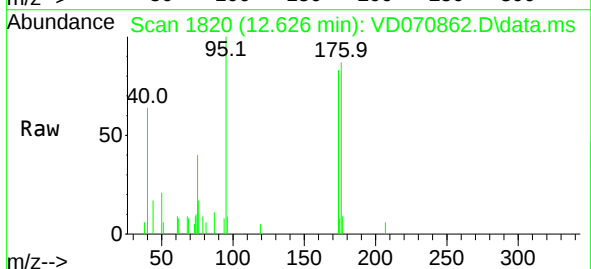
Instrument :
MSVOA_D
ClientSampled :

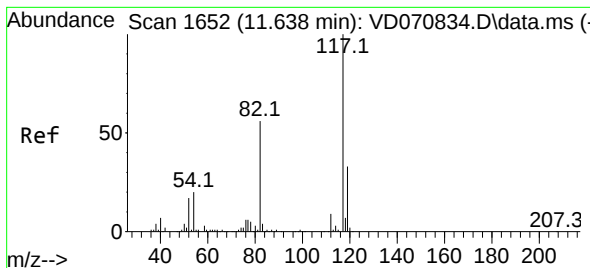
Tgt Ion: 98 Resp: 18634
Ion Ratio Lower Upper
98 100
100 62.6 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 45.473 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

Tgt Ion: 95 Resp: 5759
Ion Ratio Lower Upper
95 100
174 89.2 0.0 159.4
176 83.0 0.0 154.0

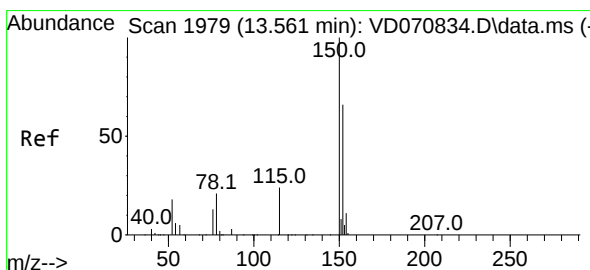
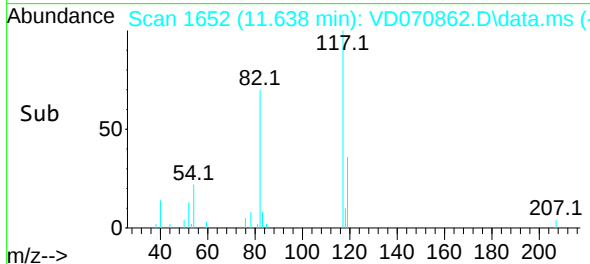
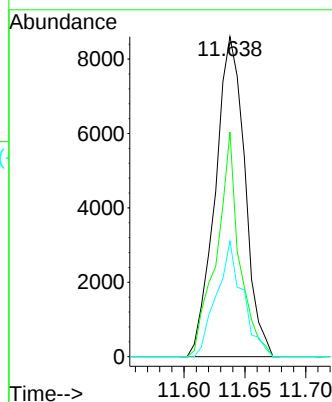
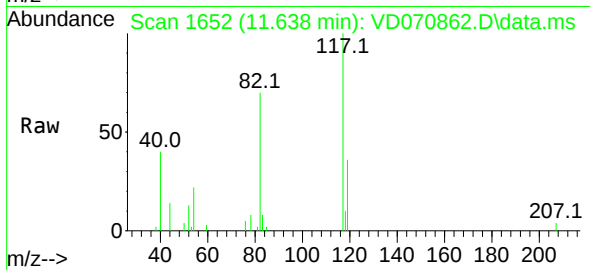




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

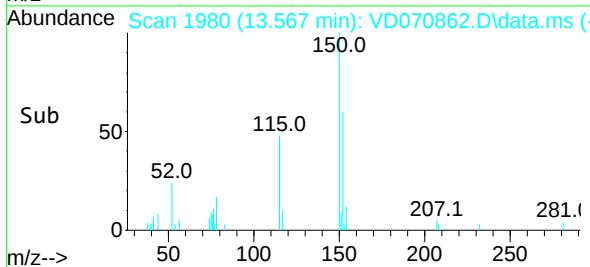
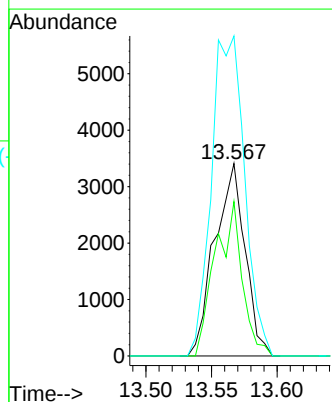
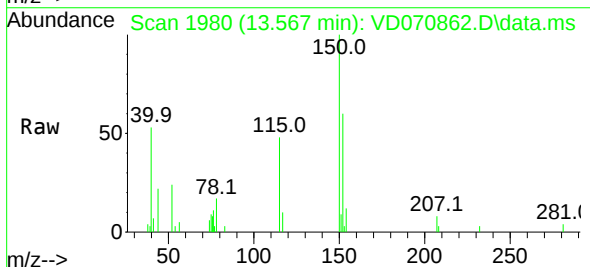
Instrument :
MSVOA_D
ClientSampleId :

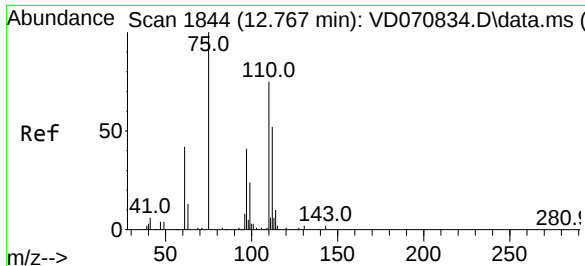
Tgt Ion:117 Resp: 14556
Ion Ratio Lower Upper
117 100
82 70.2 44.7 67.1#
119 36.1 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

Tgt Ion:152 Resp: 5487
Ion Ratio Lower Upper
152 100
115 71.6 29.8 89.3
150 182.3 0.0 349.2

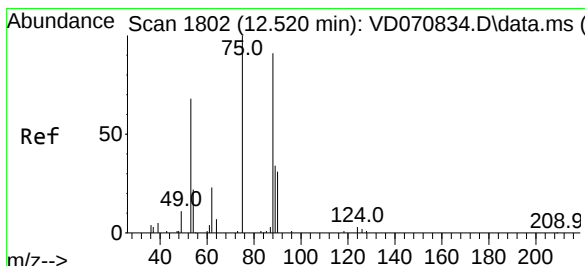
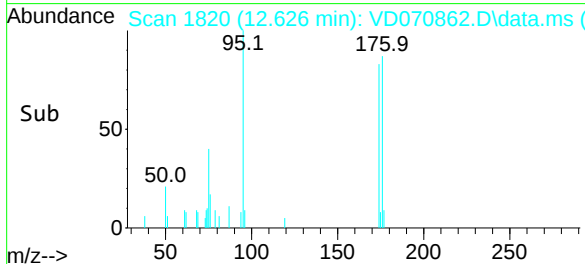
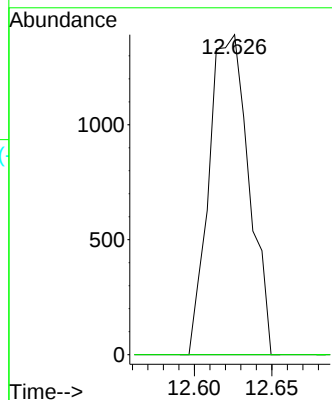
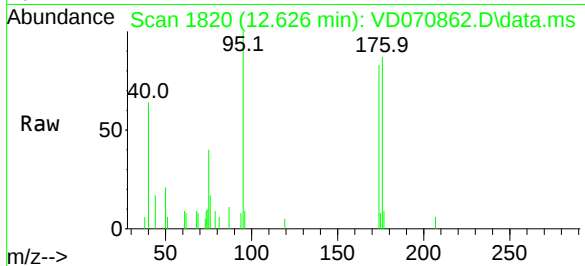




#76
1,2,3-Trichloropropane
Concen: 45.913 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.141 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

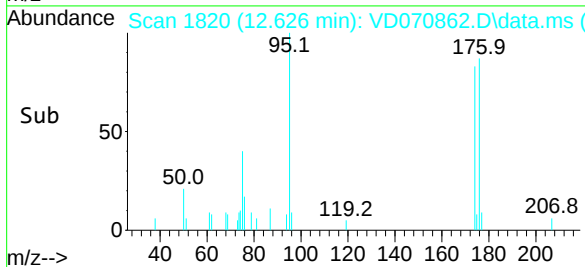
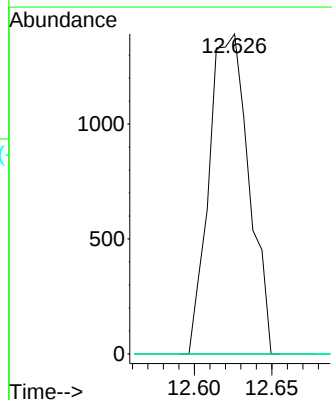
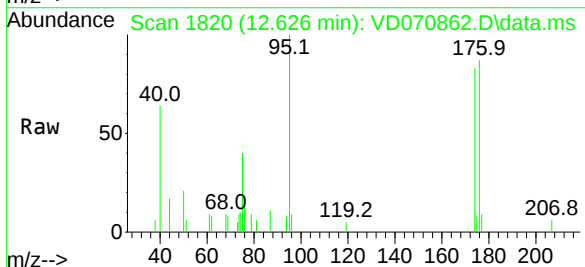
Instrument :
MSVOA_D
ClientSampleId :

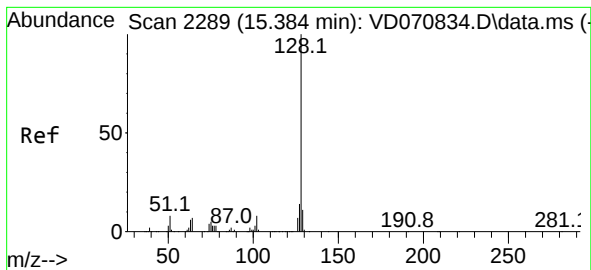
Tgt Ion: 75 Resp: 2480
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.506 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

Tgt Ion: 75 Resp: 2480
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#95
Naphthalene
Concen: 4.422 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.012 min
Lab File: VD070862.D
Acq: 27 Oct 2021 14:23

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 56
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

