

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
 Data File : VD070304.D
 Acq On : 10 Sep 2021 17:16
 Operator : VA/SY
 Sample : M3684-05
 Misc : 10.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 11 02:27:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

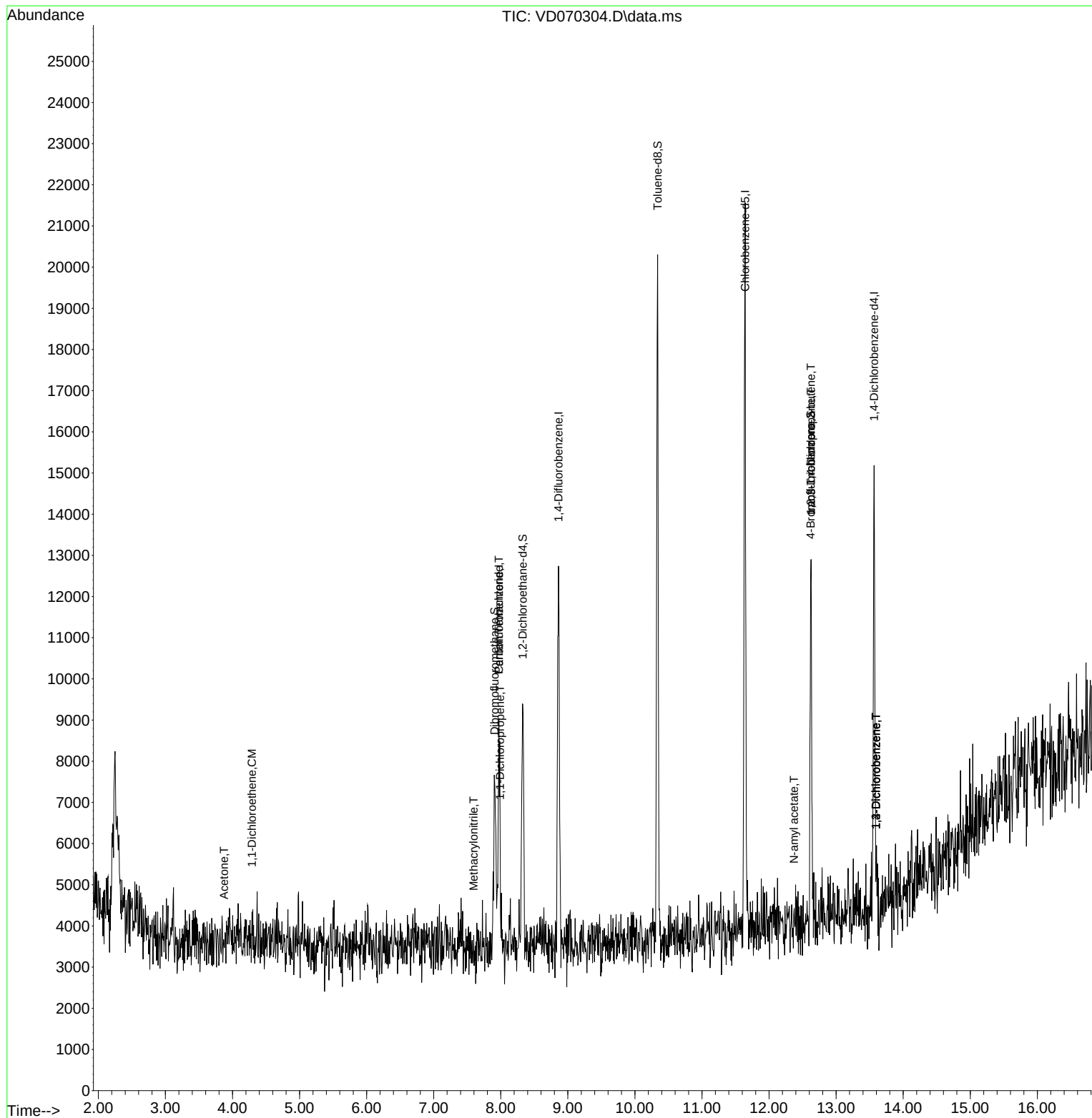
Internal Standards						
1) Pentafluorobenzene	7.973	168	4238	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	8999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	10012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	3117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	4706	86.481	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 172.960%#			
35) Dibromofluoromethane	7.908	113	3725	58.152	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.300%			
50) Toluene-d8	10.338	98	10790	46.394	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.780%			
62) 4-Bromofluorobenzene	12.620	95	3648	44.881	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.760%			
Target Compounds						
3) Chloromethane	2.203	50	63	Below Cal	#	42
5) Bromomethane	2.797	94	65	Below Cal	#	4
12) 1,1-Dichloroethene	4.291	96	72	1.459	ug/l #	1
16) Acetone	3.873	43	64	6.588	ug/l #	36
20) Methylene Chloride	4.950	84	125	Below Cal	#	9
36) 1,1-Dichloropropene	7.991	75	123	1.279	ug/l #	41
38) Carbon Tetrachloride	7.973	117	260	2.733	ug/l #	12
41) Methacrylonitrile	7.597	41	62	3.276	ug/l #	16
74) N-amyl acetate	12.373	43	55	1.155	ug/l #	37
76) 1,2,3-Trichloropropane	12.626	75	1641	52.048	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	1641	130.410	ug/l #	17
87) 1,3-Dichlorobenzene	13.596	146	121	1.152	ug/l #	25
88) 1,4-Dichlorobenzene	13.596	146	121	1.148	ug/l #	24
91) 1,2-Dichlorobenzene	13.596	146	121	1.306	ug/l #	24

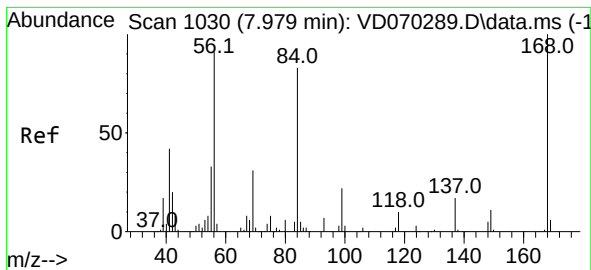
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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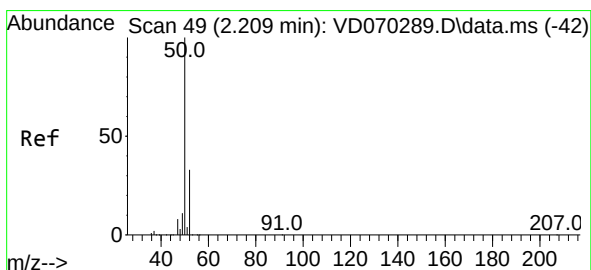
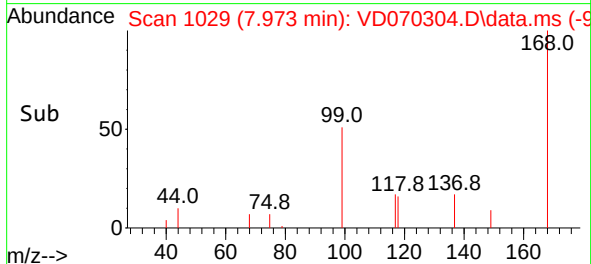
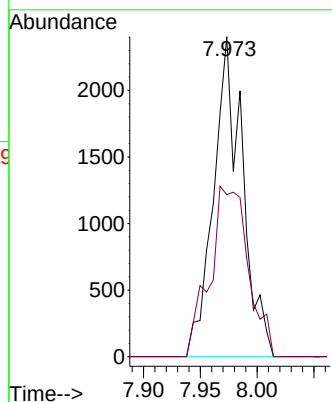
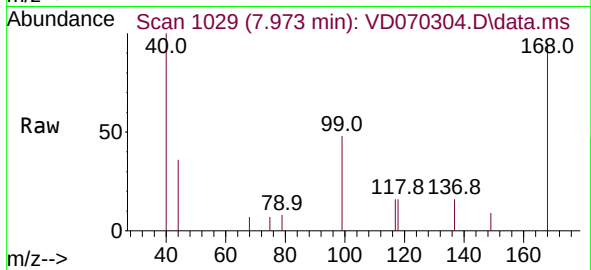




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

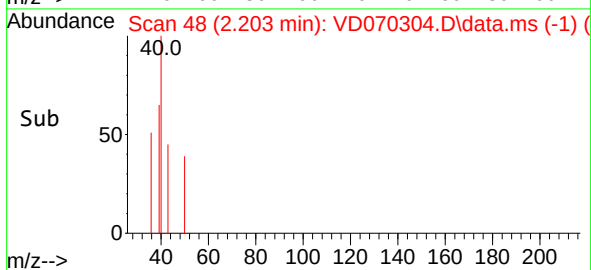
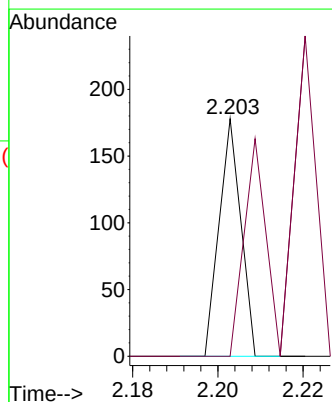
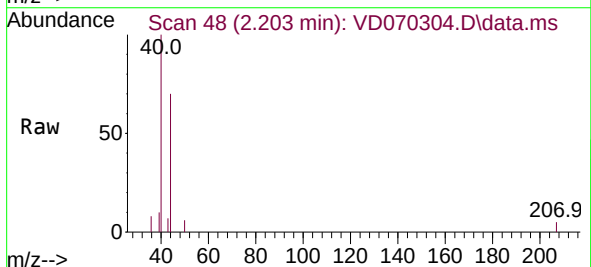
Instrument :
MSVOA_D
ClientSampled :

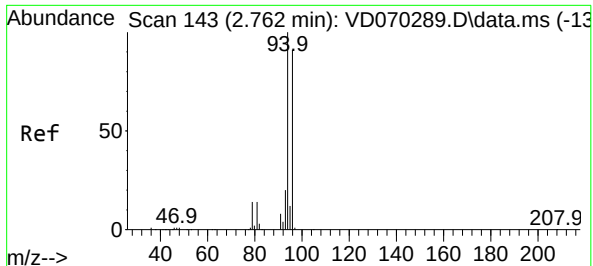
Tgt Ion:168 Resp: 4238
Ion Ratio Lower Upper
168 100
99 50.6 50.8 76.2#



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

Tgt Ion: 50 Resp: 63
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

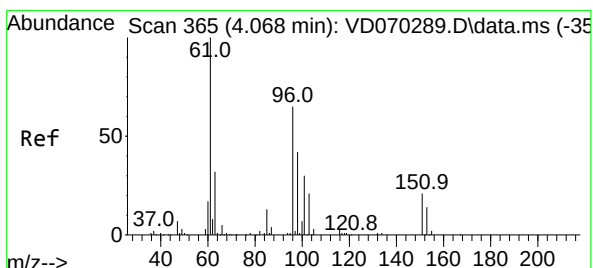
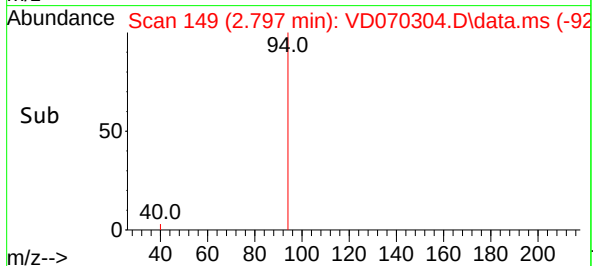
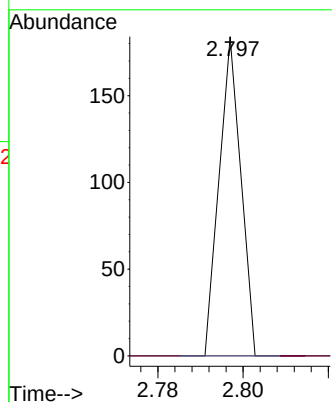
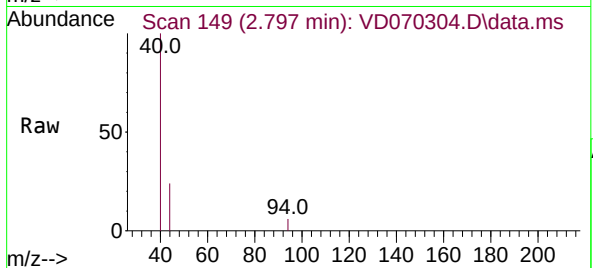




#5
Bromomethane
Concen: Below Cal
RT: 2.797 min Scan# 149
Delta R.T. 0.035 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

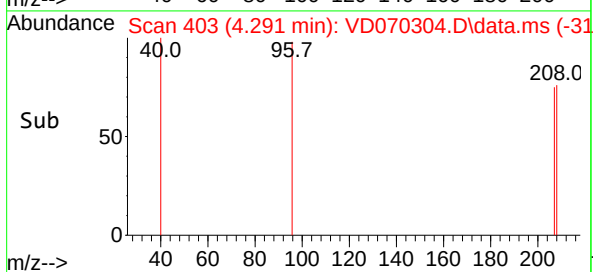
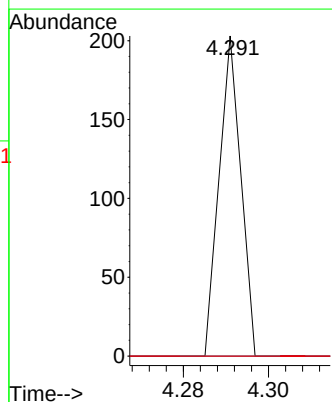
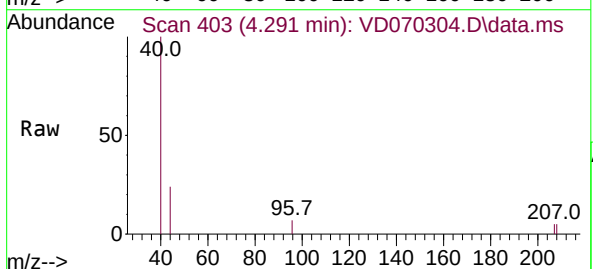
Instrument :
MSVOA_D
ClientSampled :

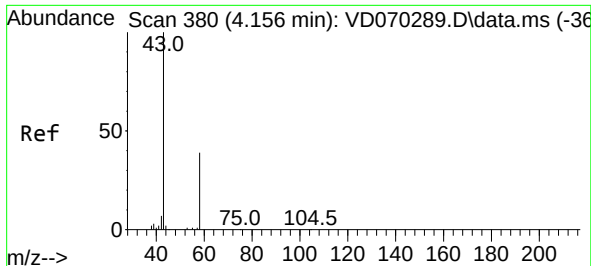
Tgt Ion: 94 Resp: 65
Ion Ratio Lower Upper
94 100
96 0.0 73.0 109.6#



#12
1,1-Dichloroethene
Concen: 1.459 ug/l
RT: 4.291 min Scan# 403
Delta R.T. 0.223 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

Tgt Ion: 96 Resp: 72
Ion Ratio Lower Upper
96 100
61 0.0 123.2 184.8#
98 0.0 51.9 77.9#

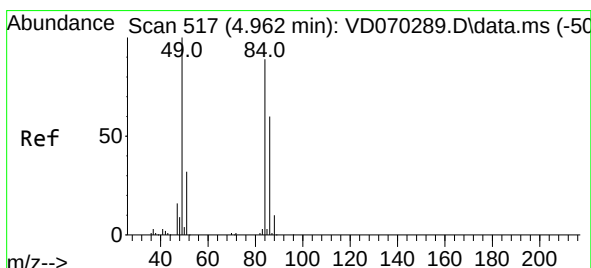
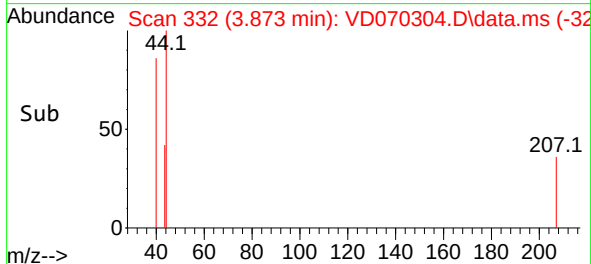
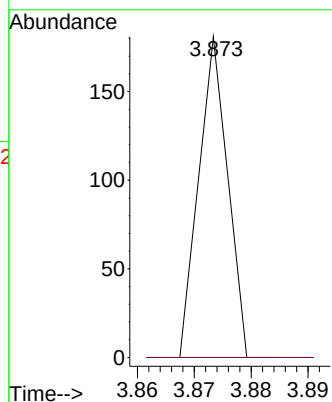
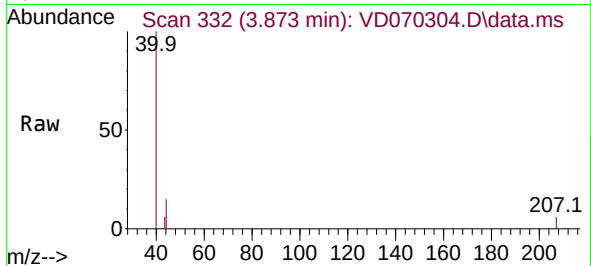




#16
Acetone
Concen: 6.588 ug/l
RT: 3.873 min Scan# 332
Delta R.T. -0.282 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

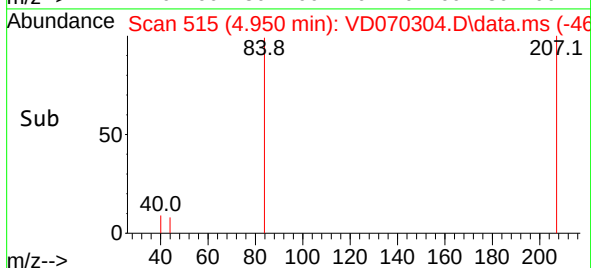
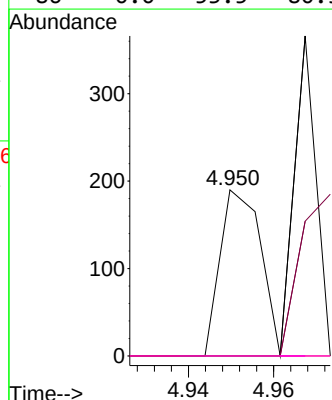
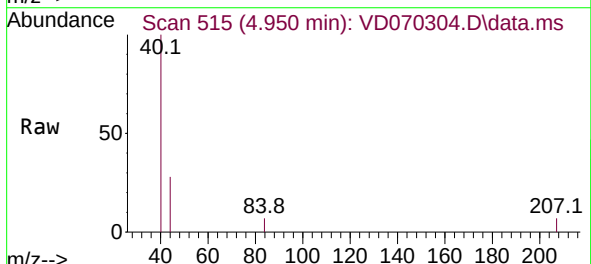
Instrument :
MSVOA_D
ClientSampled :

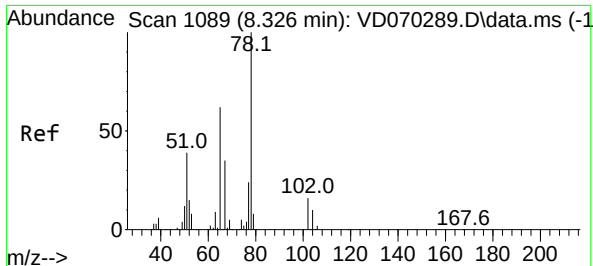
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

Tgt Ion: 84 Resp: 125
Ion Ratio Lower Upper
84 100
49 0.0 89.6 134.4#
51 0.0 28.6 43.0#
86 0.0 53.5 80.3#

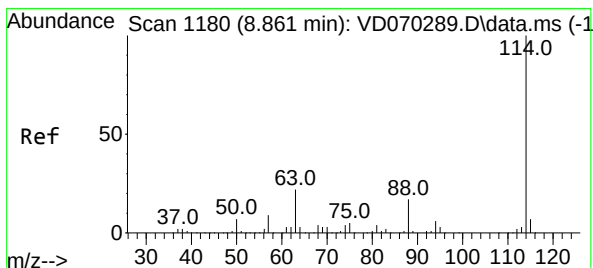
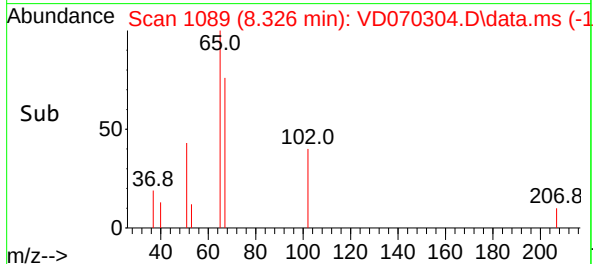
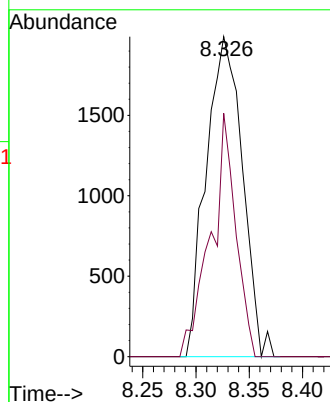
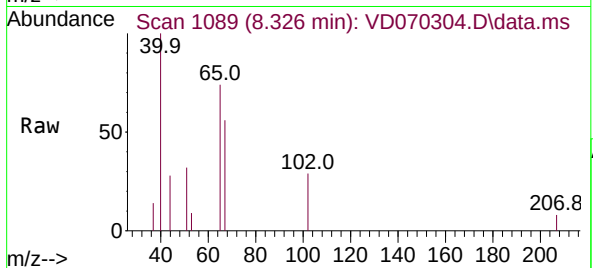




#33
1,2-Dichloroethane-d4
Concen: 86.481 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

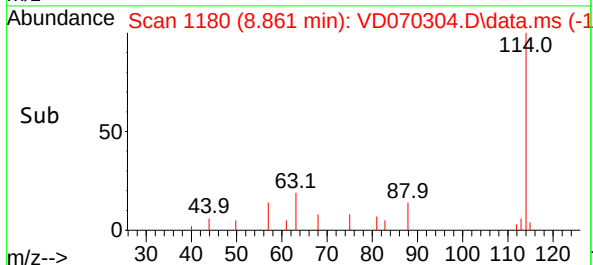
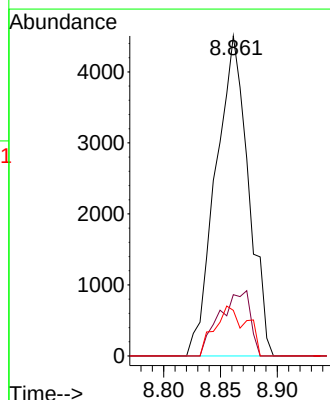
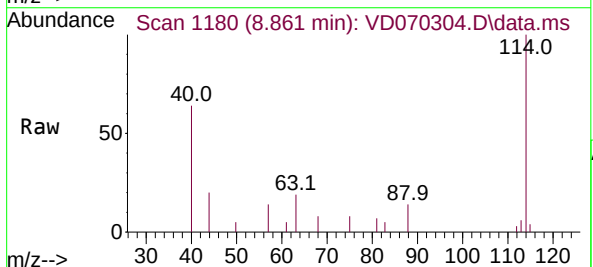
Instrument :
MSVOA_D
ClientSampled :

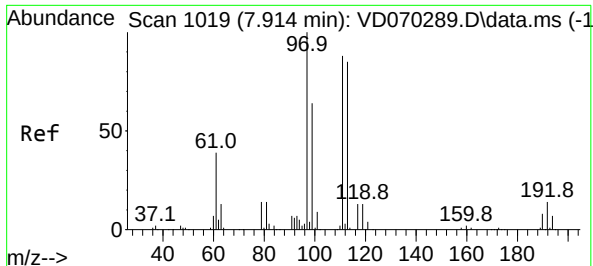
Tgt Ion: 65 Resp: 4706
Ion Ratio Lower Upper
65 100
67 52.3 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

Tgt Ion: 114 Resp: 8999
Ion Ratio Lower Upper
114 100
63 19.1 0.0 43.4
88 14.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 58.152 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070304.D

Acq: 10 Sep 2021 17:16

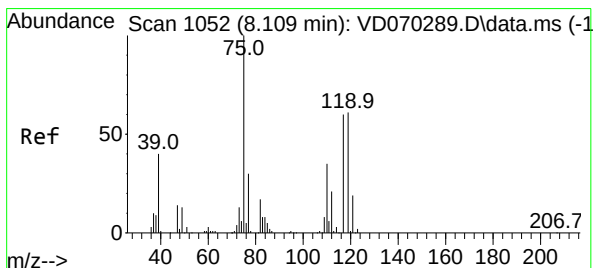
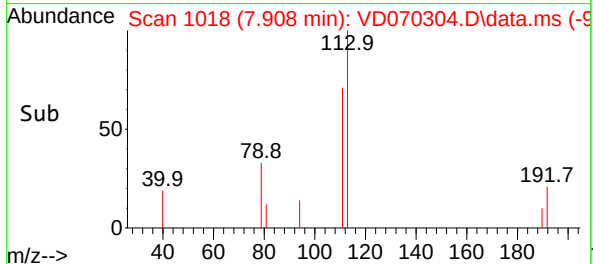
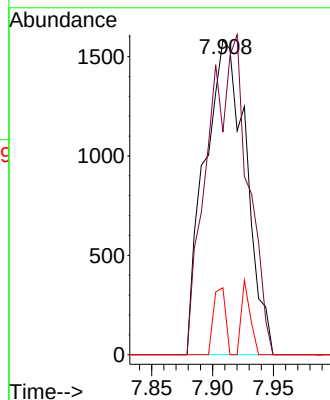
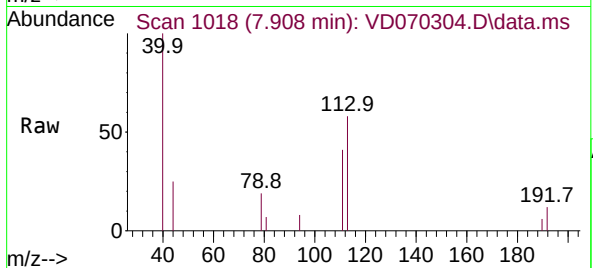
Tgt Ion:113 Resp: 3725

Ion Ratio Lower Upper

113 100

111 0.0 81.4 122.2#

192 6.2 13.0 19.6#



#36

1,1-Dichloropropene

Concen: 1.279 ug/l

RT: 7.991 min Scan# 1032

Delta R.T. -0.118 min

Lab File: VD070304.D

Acq: 10 Sep 2021 17:16

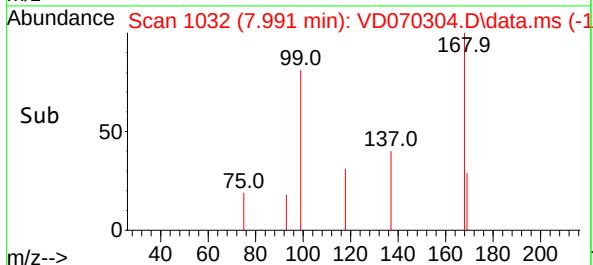
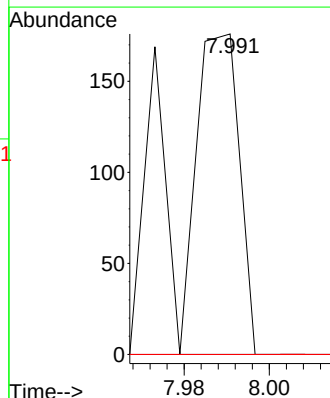
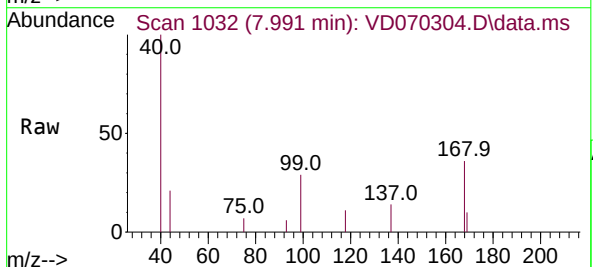
Tgt Ion: 75 Resp: 123

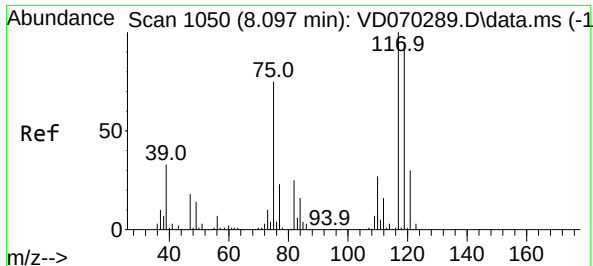
Ion Ratio Lower Upper

75 100

110 0.0 17.9 53.7#

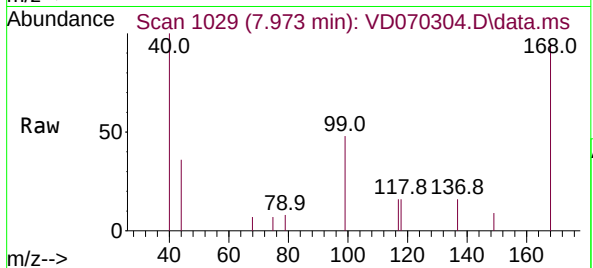
77 0.0 25.3 37.9#



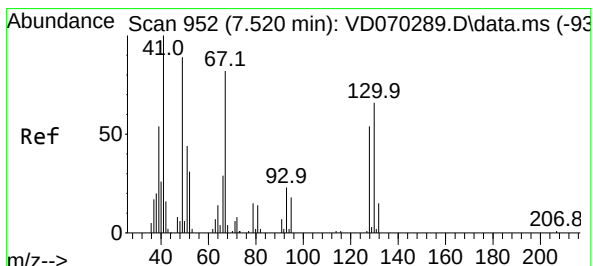
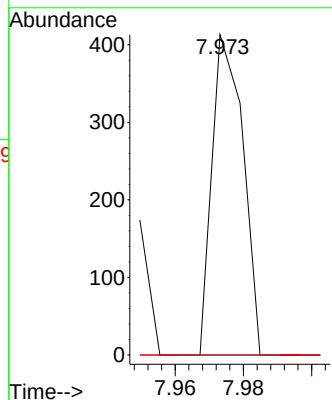
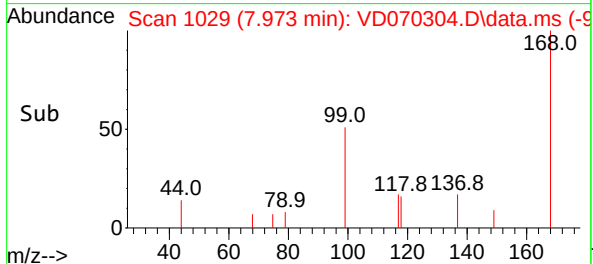


#38
Carbon Tetrachloride
Concen: 2.733 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

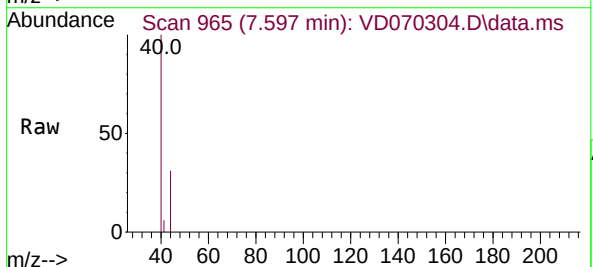
Instrument :
MSVOA_D
ClientSampled :



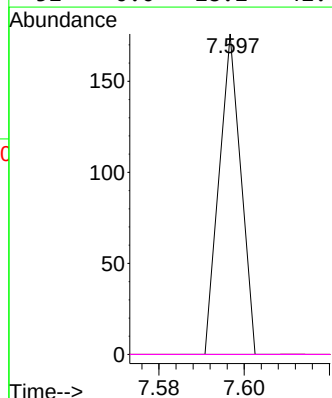
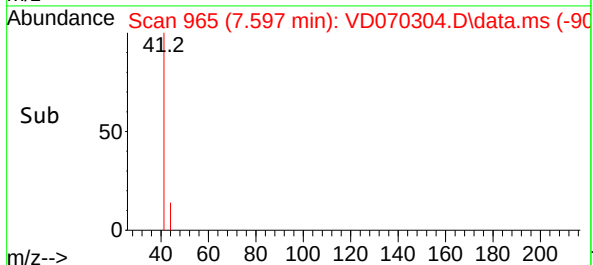
Tgt Ion:117 Resp: 260
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 23.8 35.6#

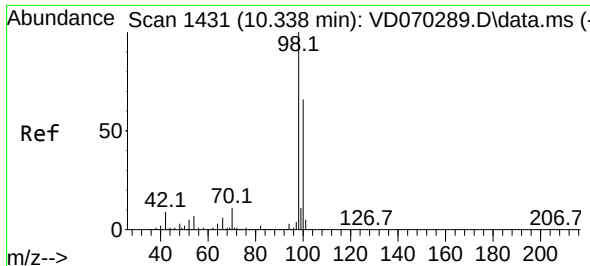


#41
Methacrylonitrile
Concen: 3.276 ug/l
RT: 7.597 min Scan# 965
Delta R.T. 0.076 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16



Tgt Ion: 41 Resp: 62
Ion Ratio Lower Upper
41 100
39 0.0 45.7 68.5#
67 0.0 74.0 111.0#
52 0.0 28.2 42.4#

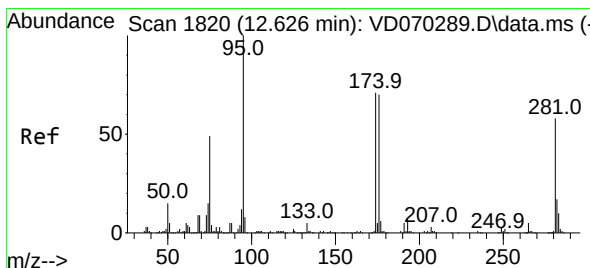
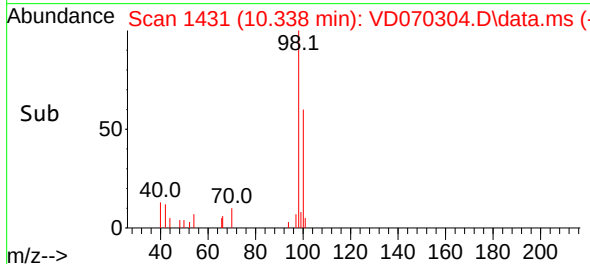
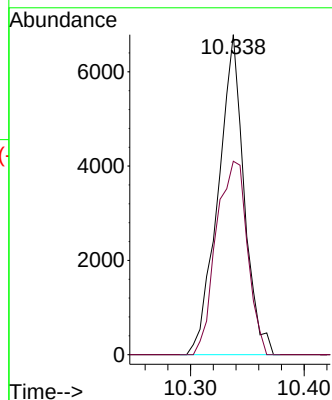
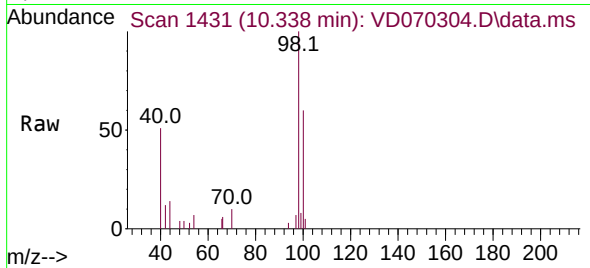




#50
Toluene-d8
Concen: 46.394 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

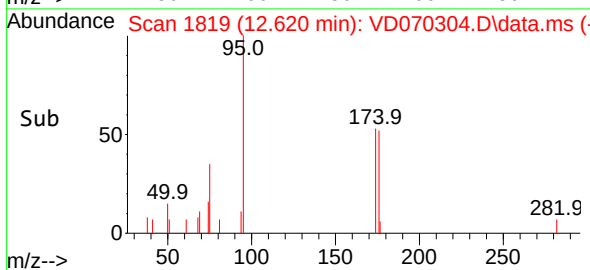
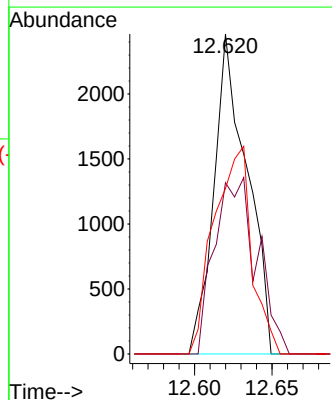
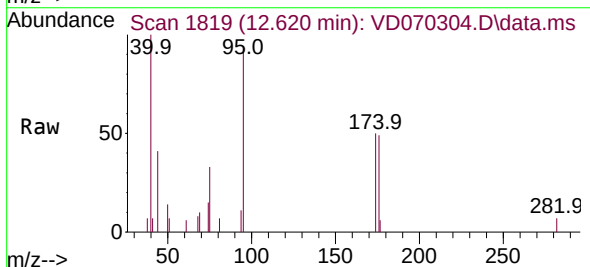
Instrument :
MSVOA_D
ClientSampleId :

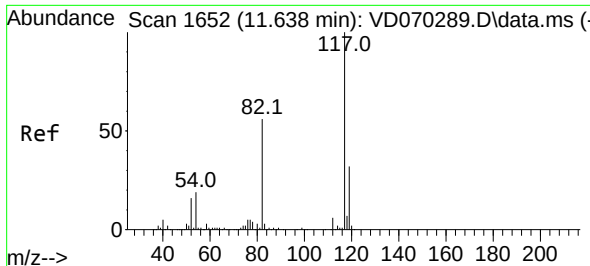
Tgt Ion: 98 Resp: 10790
Ion Ratio Lower Upper
98 100
100 72.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 44.881 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

Tgt Ion: 95 Resp: 3648
Ion Ratio Lower Upper
95 100
174 70.9 0.0 140.6
176 73.6 0.0 137.4

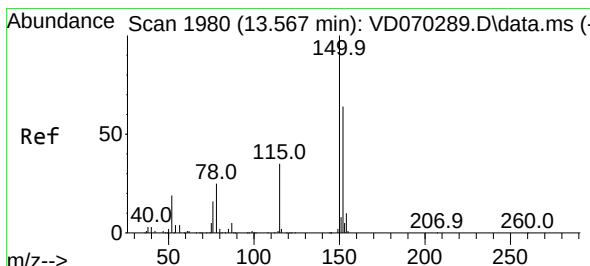
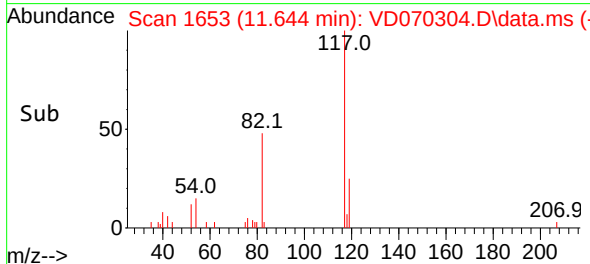
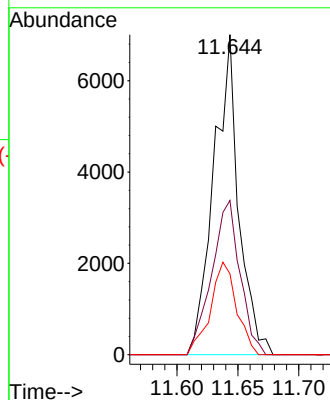
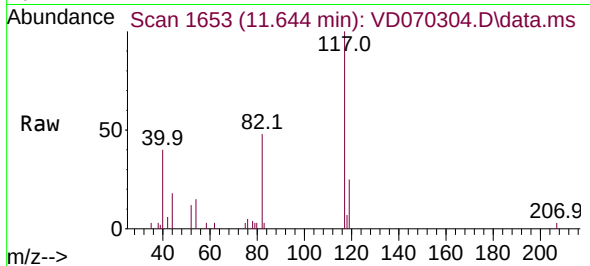




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

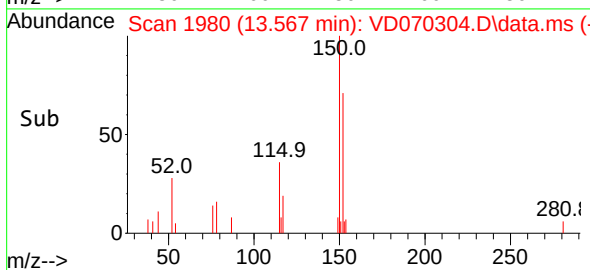
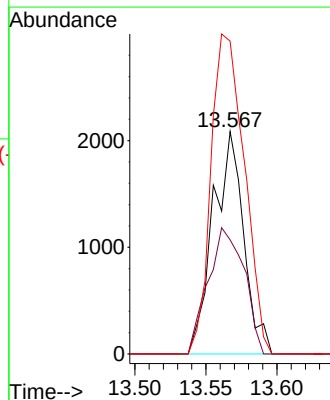
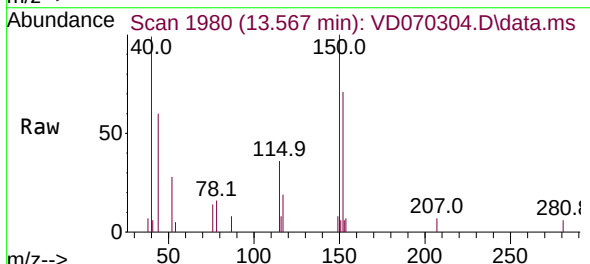
Instrument :
MSVOA_D
ClientSampleId :

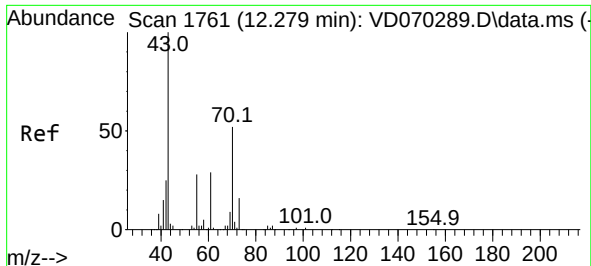
Tgt Ion:	117	Resp:	10012
Ion	Ratio	Lower	Upper
117	100		
82	48.2	45.0	67.4
119	25.3	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

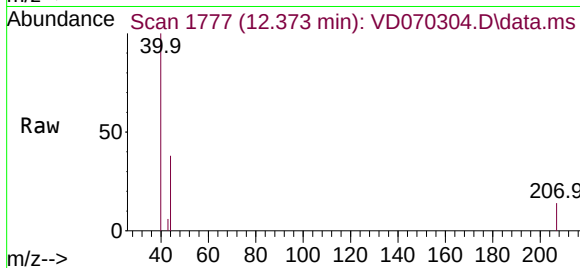
Tgt Ion:	152	Resp:	3117
Ion	Ratio	Lower	Upper
152	100		
115	67.0	32.1	96.3
150	157.4	0.0	350.6



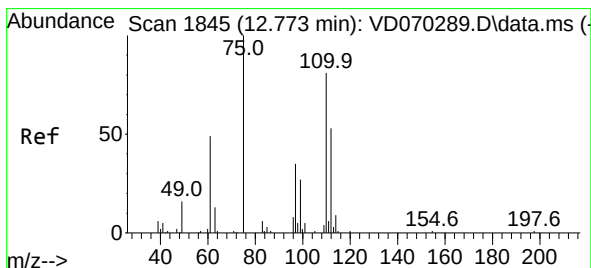
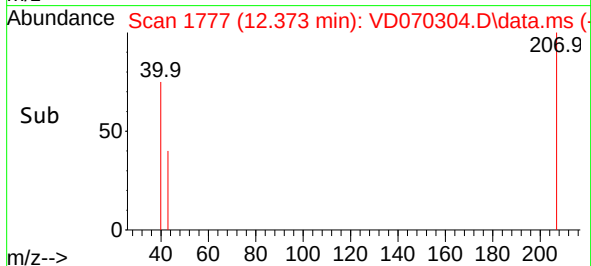
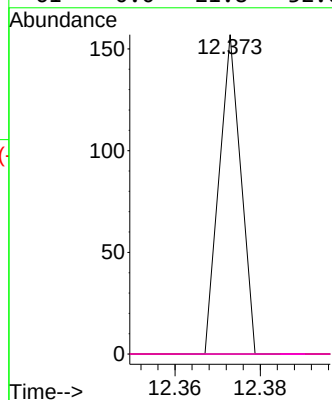


#74
N-amy1 acetate
Concen: 1.155 ug/l
RT: 12.373 min Scan# 1777
Delta R.T. 0.094 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

Instrument :
MSVOA_D
ClientSampled :

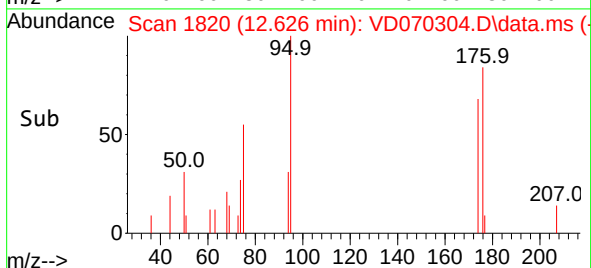
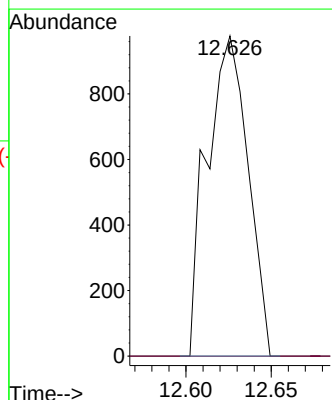
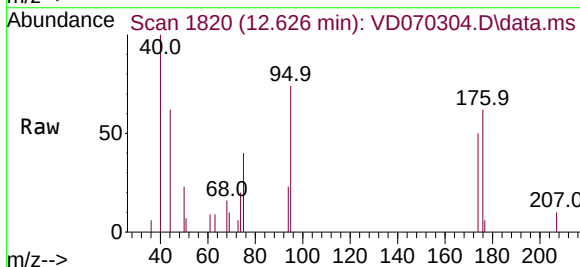


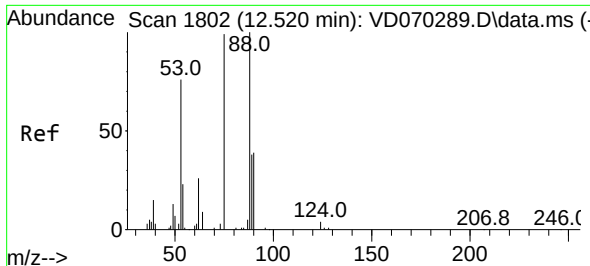
Tgt Ion: 43	Resp: 55
Ion Ratio	Lower Upper
43 100	
70 0.0	41.4 62.0#
55 0.0	22.8 34.2#
61 0.0	21.8 32.6#



#76
1,2,3-Trichloropropane
Concen: 52.048 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

Tgt Ion: 75	Resp: 1641
Ion Ratio	Lower Upper
75 100	
77 0.0	174.9 524.7#

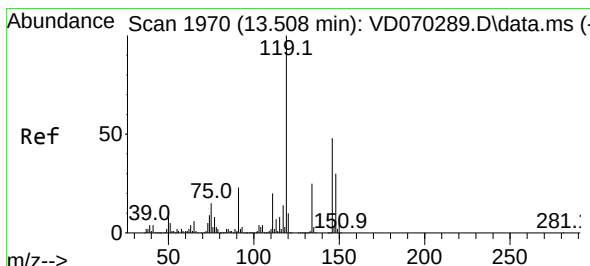
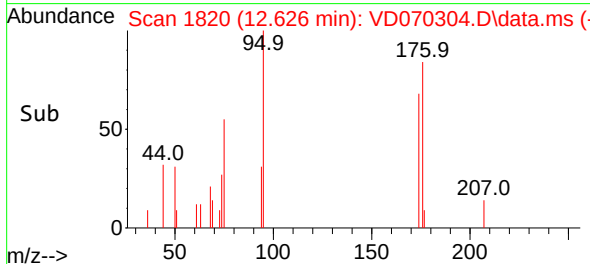
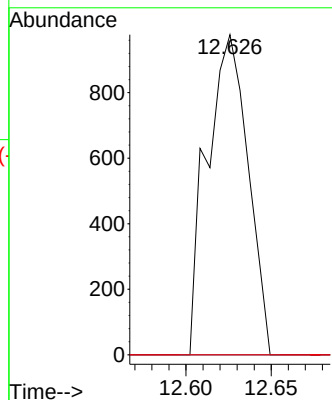
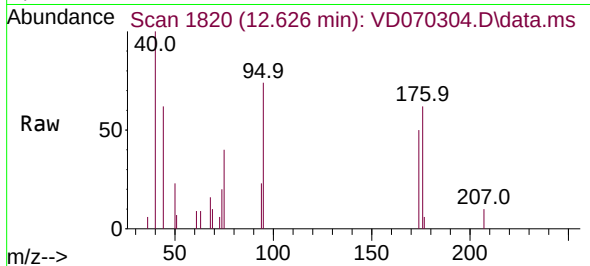




#81
trans-1,4-Dichloro-2-butene
Concen: 130.410 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

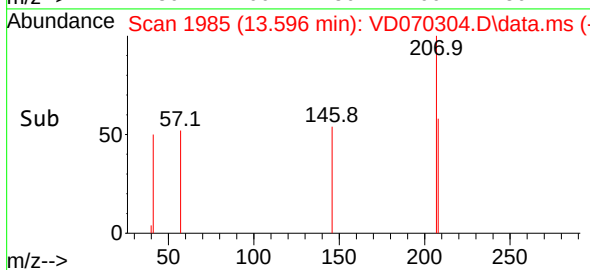
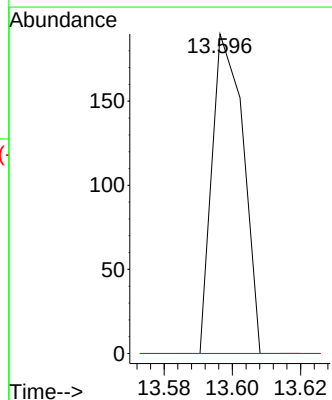
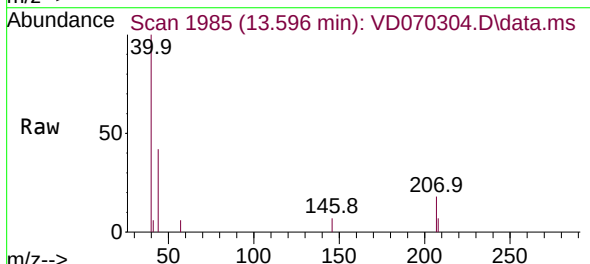
Instrument :
MSVOA_D
ClientSampled :

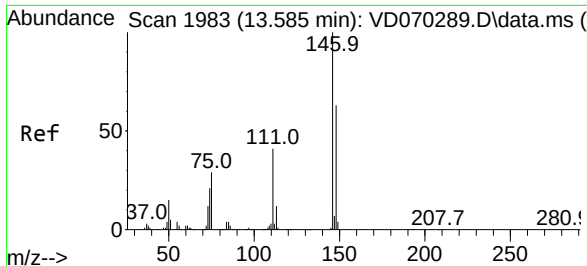
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.2	96.2#
89	0.0	35.6	53.4#



#87
1,3-Dichlorobenzene
Concen: 1.152 ug/l
RT: 13.596 min Scan# 1985
Delta R.T. 0.088 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.5	64.5#
148	0.0	31.4	94.2#

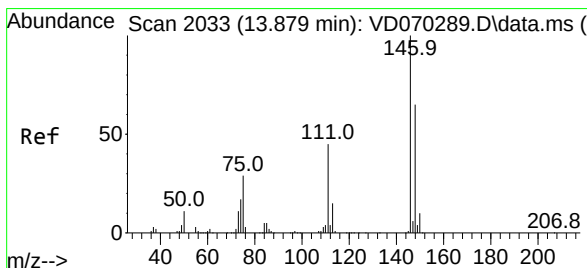
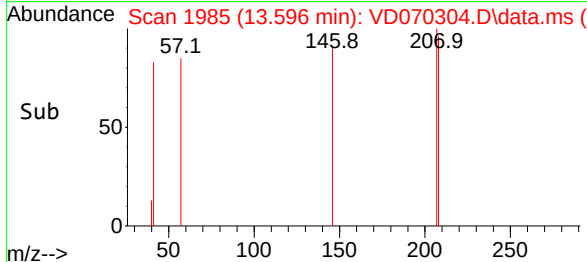
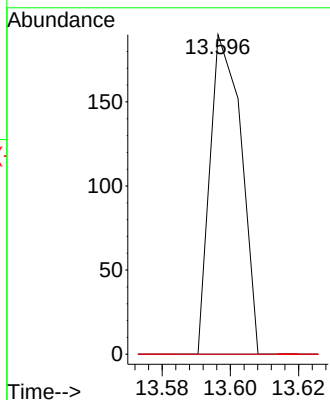
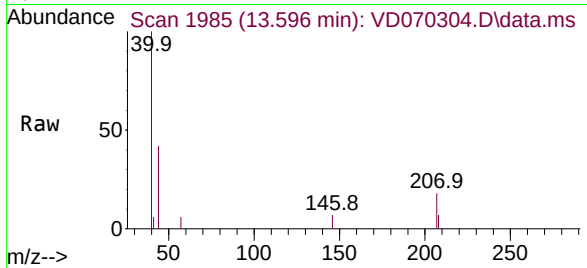




#88
1,4-Dichlorobenzene
Concen: 1.148 ug/l
RT: 13.596 min Scan# 1985
Delta R.T. 0.012 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:146 Resp: 121
Ion Ratio Lower Upper
146 100
111 0.0 20.9 62.8#
148 0.0 31.9 95.5#



#91
1,2-Dichlorobenzene
Concen: 1.306 ug/l
RT: 13.596 min Scan# 1985
Delta R.T. -0.282 min
Lab File: VD070304.D
Acq: 10 Sep 2021 17:16

Tgt Ion:146 Resp: 121
Ion Ratio Lower Upper
146 100
111 0.0 21.9 65.7#
148 0.0 31.7 95.1#

