

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032621\
 Data File : VD068679.D
 Acq On : 26 Mar 2021 12:47
 Operator : VA/SY
 Sample : M1812-03
 Misc : 7.18G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 27 00:42:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

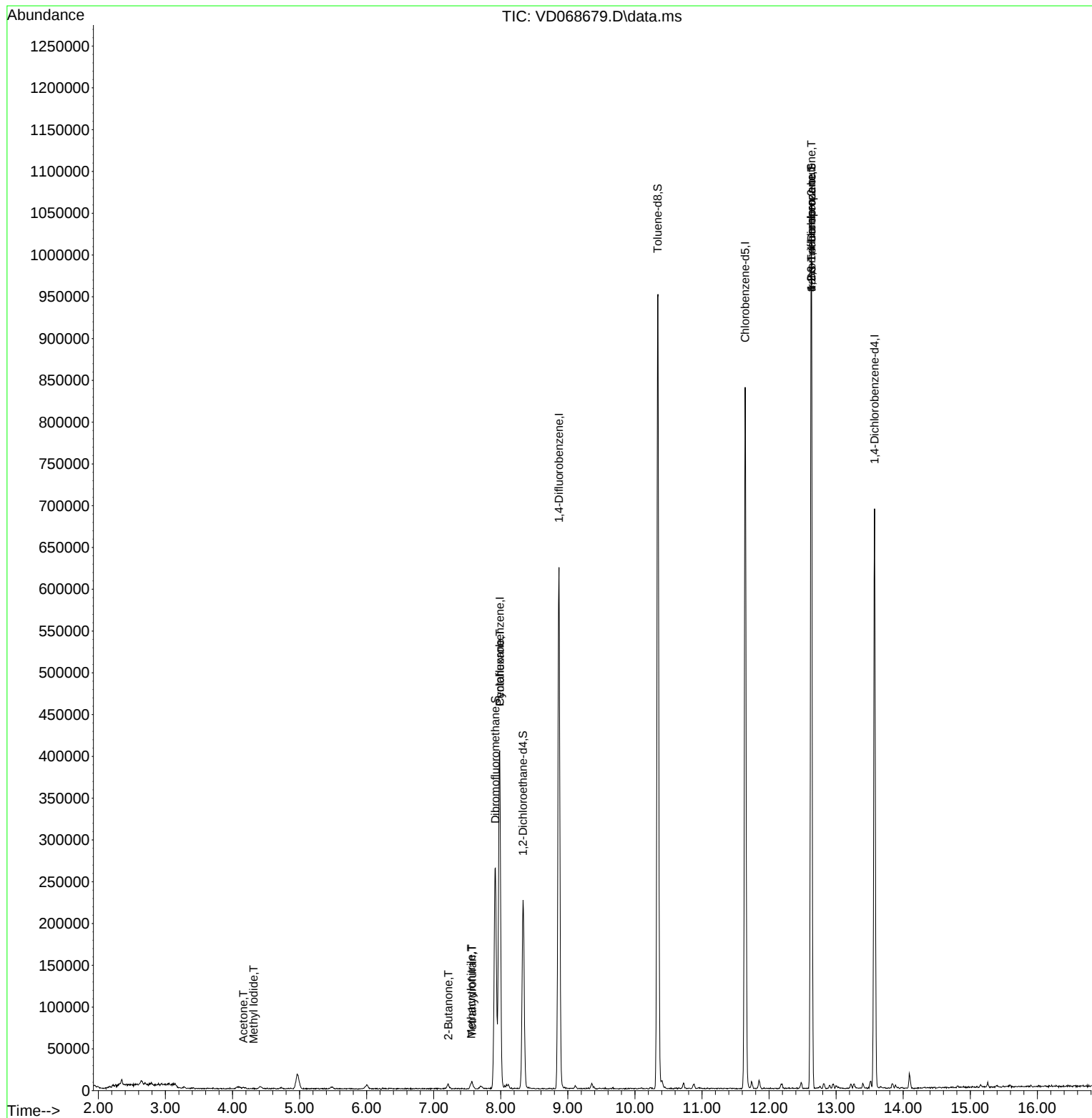
Internal Standards						
1) Pentafluorobenzene	7.985	168	306792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	556159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	506522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	188597	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	176342	57.00	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.00%			
35) Dibromofluoromethane	7.920	113	192731	55.70	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.40%			
50) Toluene-d8	10.338	98	686288	51.44	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.88%			
62) 4-Bromofluorobenzene	12.632	95	217637	50.31	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.62%			
Target Compounds						
10) Methyl Iodide	4.314	142	843	3.73	ug/l #	52
13) Acrolein	3.932	56	63	Below Cal	#	16
16) Acetone	4.161	43	3385	9.02	ug/l	90
20) Methylene Chloride	4.979	84	14924	Below Cal	#	78
25) 2-Butanone	7.220	43	3355	5.39	ug/l	92
29) Tetrahydrofuran	7.573	42	5519	14.04	ug/l	94
31) Cyclohexane	7.985	56	8467	1.70	ug/l #	51
41) Methacrylonitrile	7.561	41	3532	3.85	ug/l #	38
76) 1,2,3-Trichloropropane	12.632	75	110077	70.12	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	110077	159.54	ug/l #	16

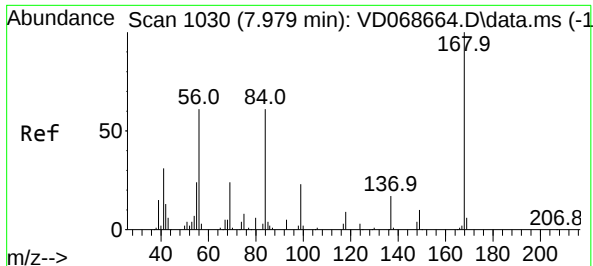
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

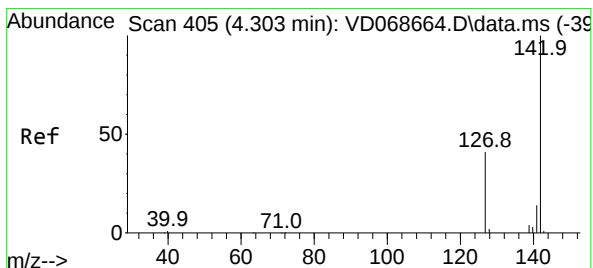
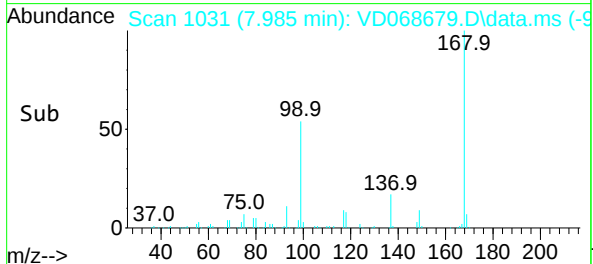
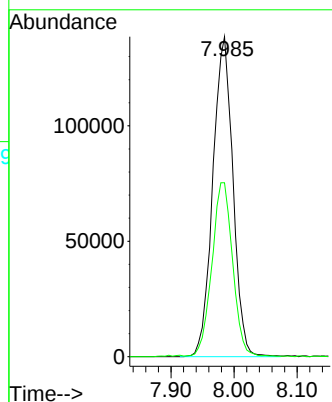
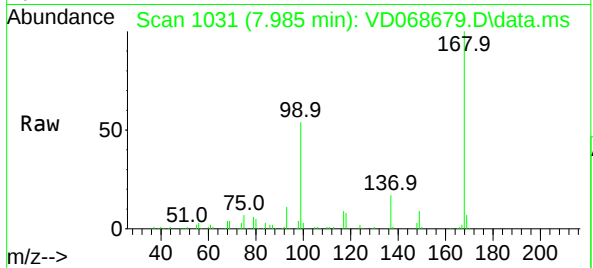




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068679.D
Acq: 26 Mar 2021 12:47

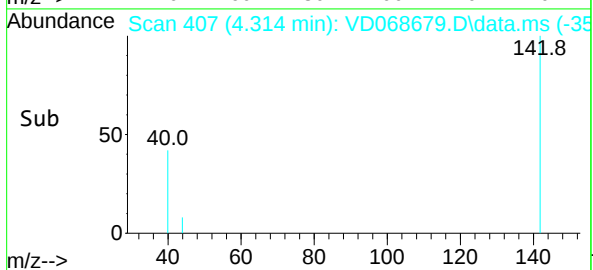
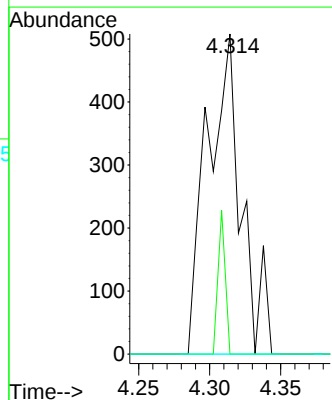
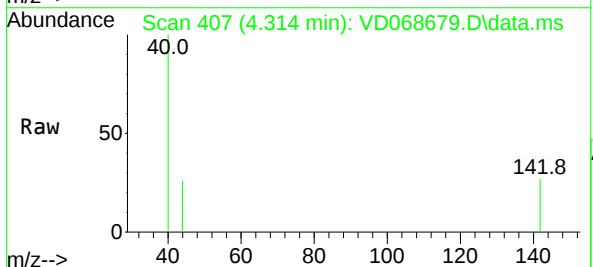
Instrument :
MSVOA_D
ClientSampleId :

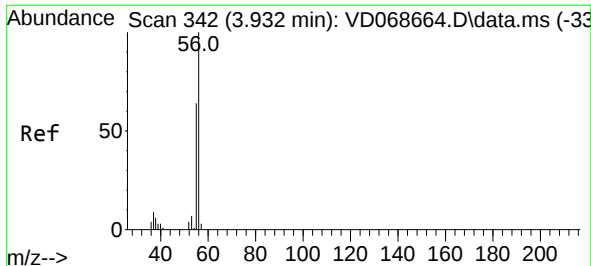
Tgt Ion:168 Resp: 306792
Ion Ratio Lower Upper
168 100
99 54.2 46.2 69.2



#10
Methyl Iodide
Concen: 3.73 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD068679.D
Acq: 26 Mar 2021 12:47

Tgt Ion:142 Resp: 843
Ion Ratio Lower Upper
142 100
127 9.5 34.7 52.1#
141 0.0 11.0 16.4#

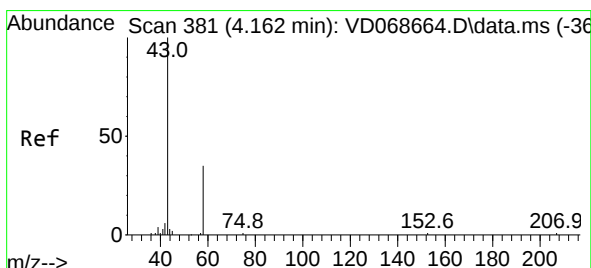
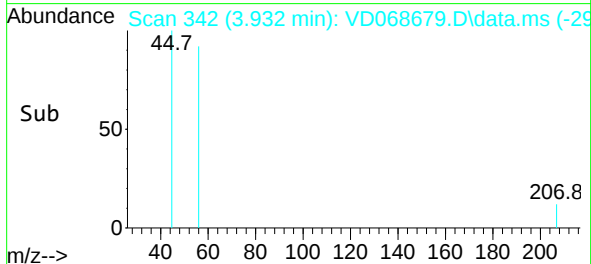
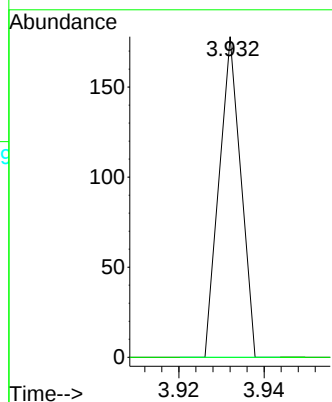
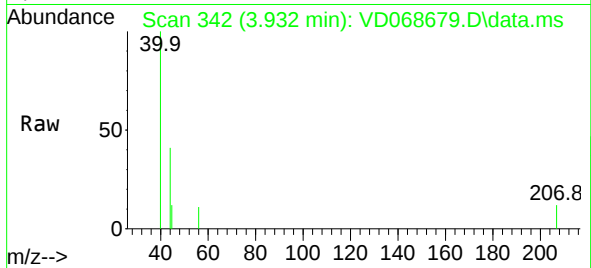




#13
Acrolein
Concen: Below Cal
RT: 3.932 min Scan# 342
Delta R.T. 0.000 min
Lab File: VD068679.D
Acq: 26 Mar 2021 12:47

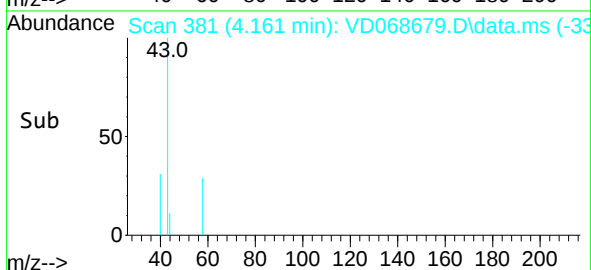
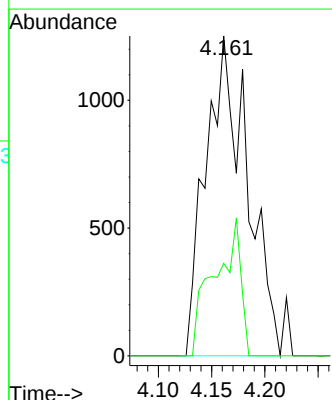
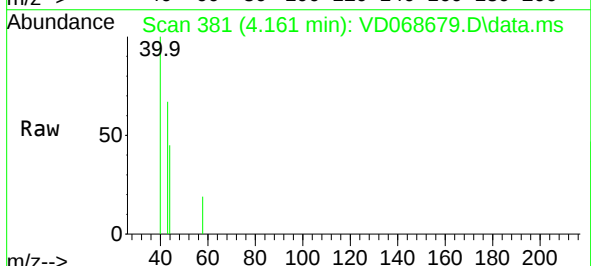
Instrument :
MSVOA_D
ClientSampleId :

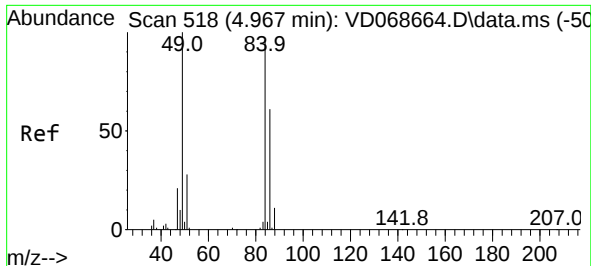
Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#



#16
Acetone
Concen: 9.02 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD068679.D
Acq: 26 Mar 2021 12:47

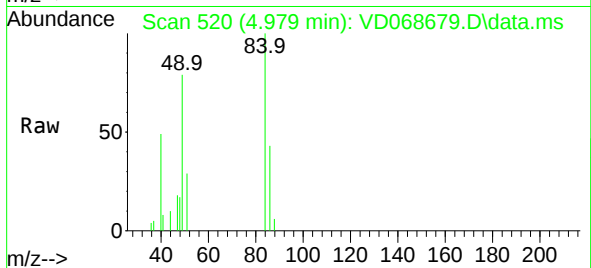
Tgt Ion: 43 Resp: 3385
Ion Ratio Lower Upper
43 100
58 28.9 28.0 42.0



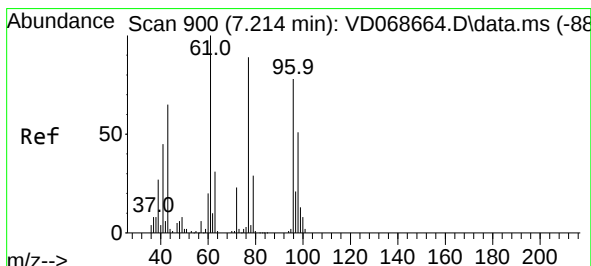
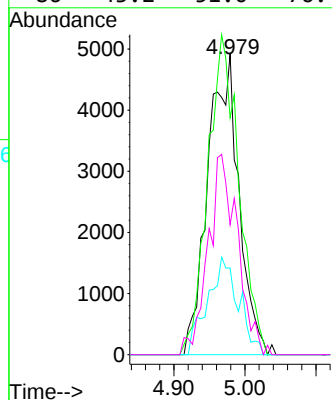
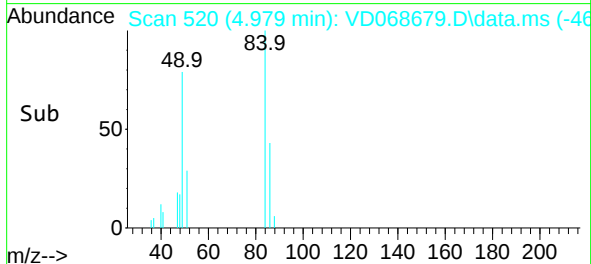


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.012 min
Lab File: VD068679.D
Acq: 26 Mar 2021 12:47

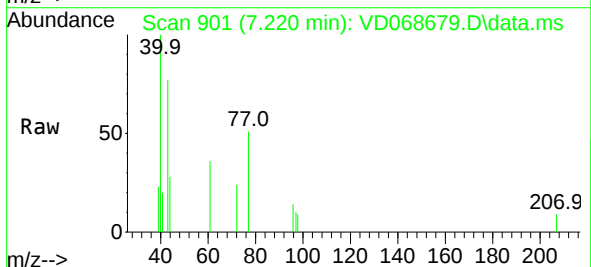
Instrument :
MSVOA_D
ClientSampleId :



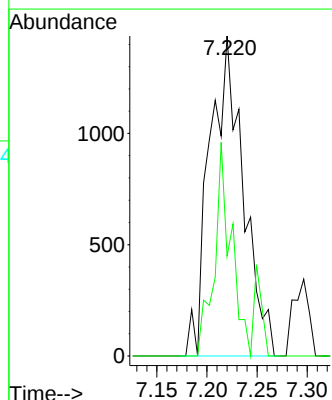
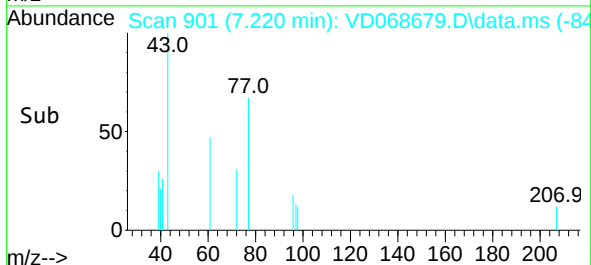
Tgt Ion: 84 Resp: 14924
Ion Ratio Lower Upper
84 100
49 78.7 83.4 125.0#
51 28.8 23.4 35.2
86 43.2 51.0 76.4#

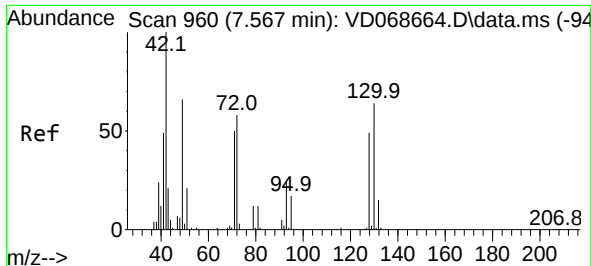


#25
2-Butanone
Concen: 5.39 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068679.D
Acq: 26 Mar 2021 12:47



Tgt Ion: 43 Resp: 3355
Ion Ratio Lower Upper
43 100
72 31.2 28.6 43.0





#29

Tetrahydrofuran

Concen: 14.04 ug/l

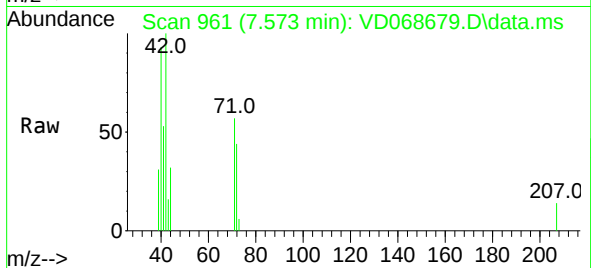
RT: 7.573 min Scan# 961

Delta R.T. 0.006 min

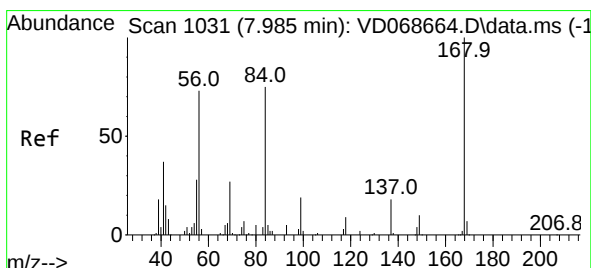
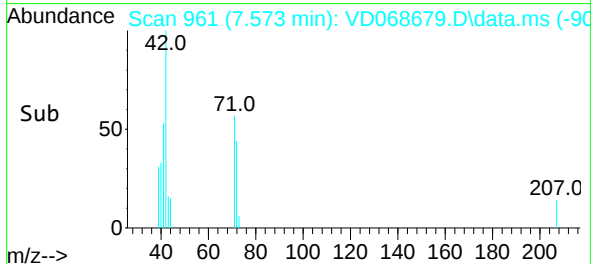
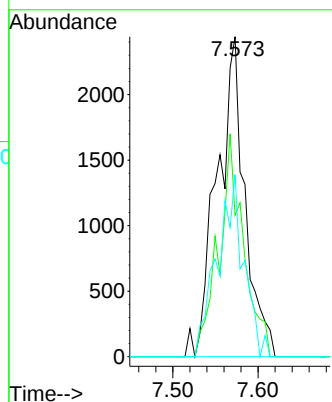
Lab File: VD068679.D

Acq: 26 Mar 2021 12:47

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	42	Resp:	5519
Ion	Ratio	Lower	Upper
42	100		
72	61.6	45.2	67.8
71	54.4	40.8	61.2



#31

Cyclohexane

Concen: 1.70 ug/l

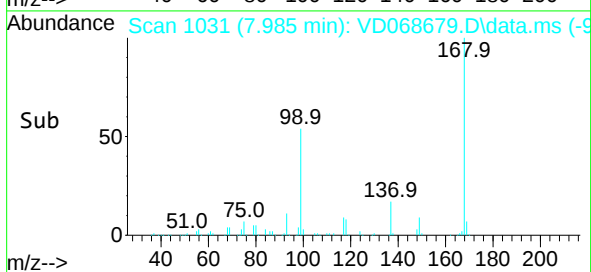
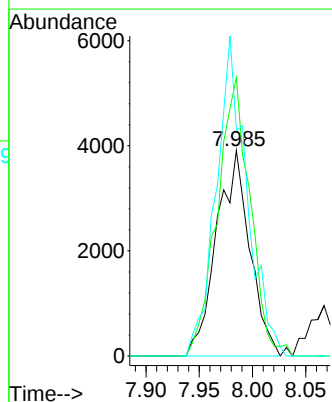
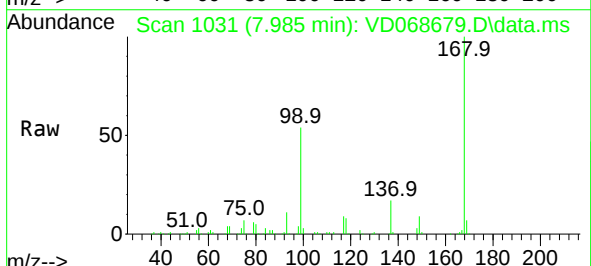
RT: 7.985 min Scan# 1031

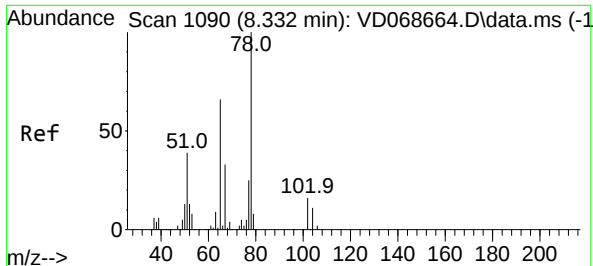
Delta R.T. -0.000 min

Lab File: VD068679.D

Acq: 26 Mar 2021 12:47

Tgt Ion:	56	Resp:	8467
Ion	Ratio	Lower	Upper
56	100		
69	135.6	30.0	45.0#
84	110.0	82.0	123.0





#33

1,2-Dichloroethane-d4

Concen: 57.00 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VD068679.D

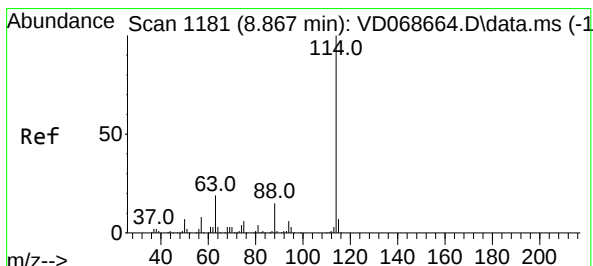
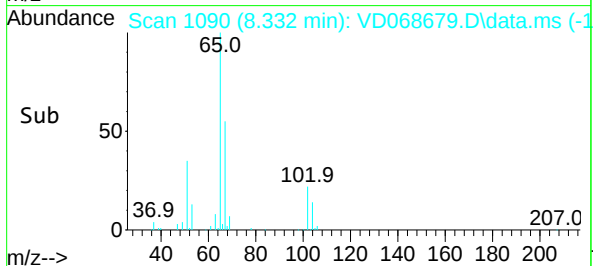
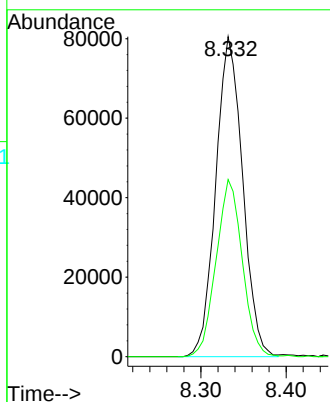
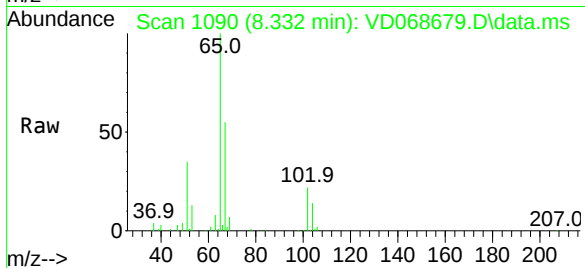
Acq: 26 Mar 2021 12:47

Tgt Ion: 65 Resp: 176342

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VD068679.D

Acq: 26 Mar 2021 12:47

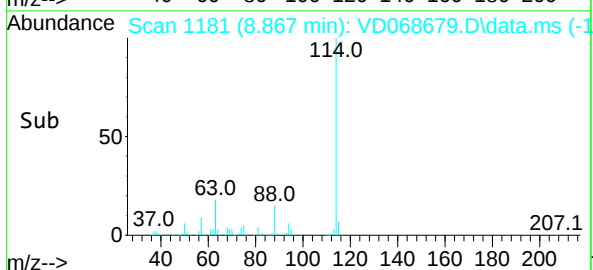
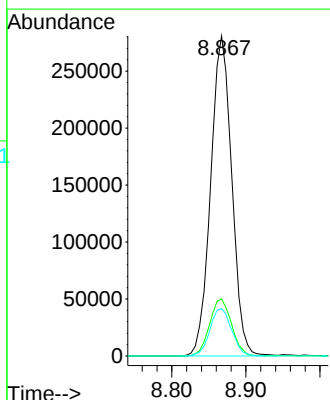
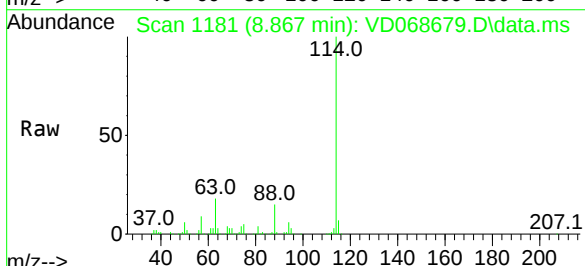
Tgt Ion: 114 Resp: 556159

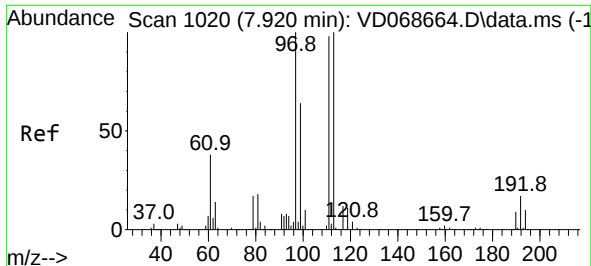
Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.2

88 14.8 0.0 29.4





#35

Dibromofluoromethane

Concen: 55.70 ug/l

RT: 7.920 min Scan# 1020

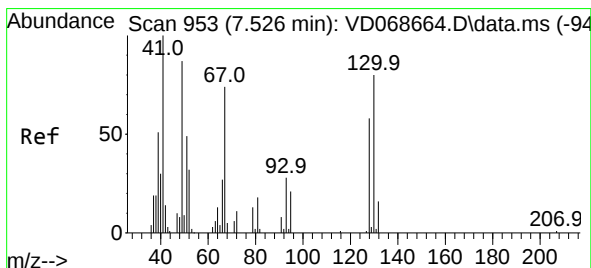
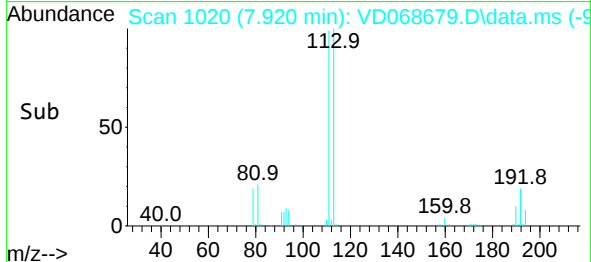
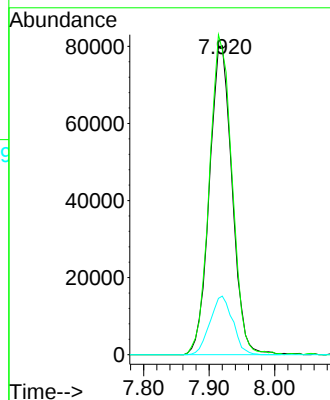
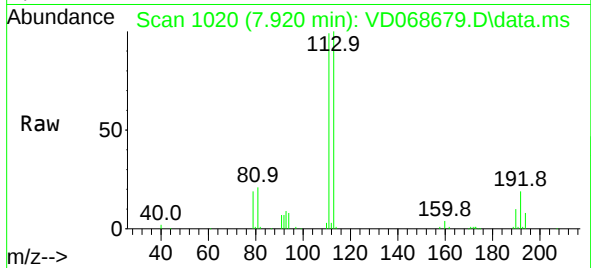
Delta R.T. -0.000 min

Lab File: VD068679.D

Acq: 26 Mar 2021 12:47

Tgt Ion:	113	Resp:	192731
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.5	123.7
192	19.0	15.1	22.7

Instrument :
MSVOA_D
ClientSampleId :



#41

Methacrylonitrile

Concen: 3.85 ug/l

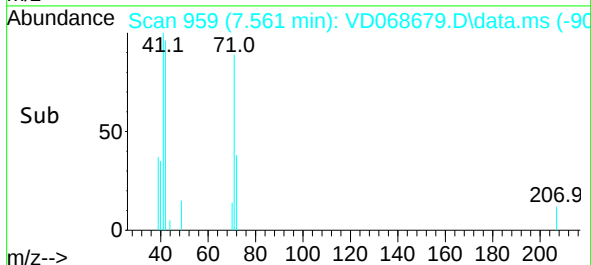
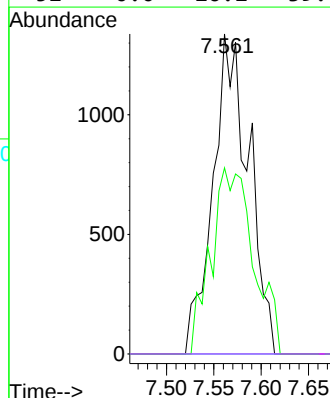
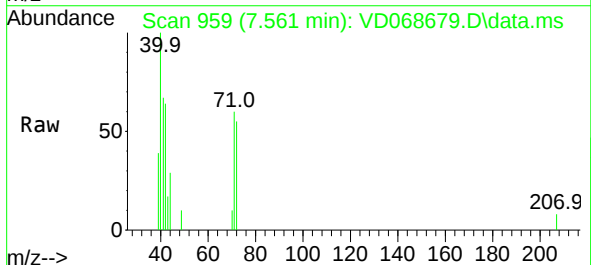
RT: 7.561 min Scan# 959

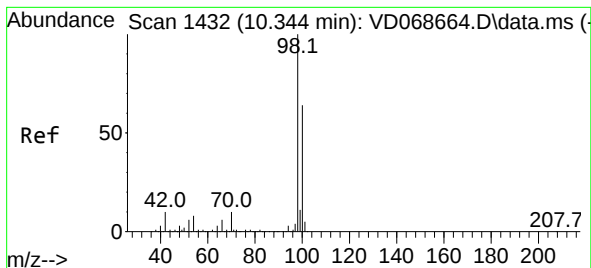
Delta R.T. 0.035 min

Lab File: VD068679.D

Acq: 26 Mar 2021 12:47

Tgt Ion:	41	Resp:	3532
Ion	Ratio	Lower	Upper
41	100		
39	68.7	43.2	64.8#
67	0.0	63.9	95.9#
52	0.0	26.2	39.4#

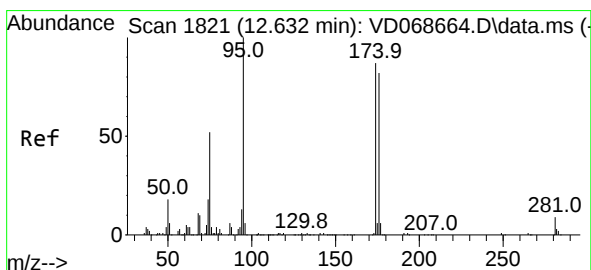
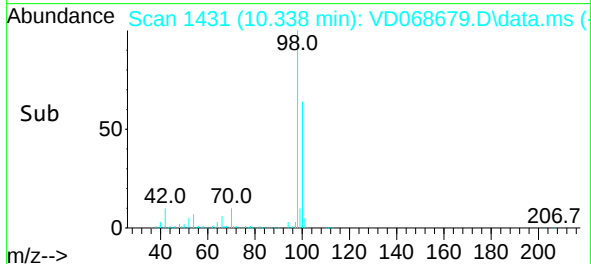
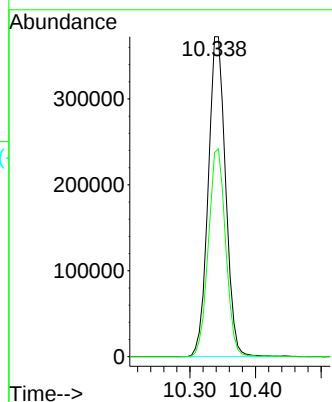
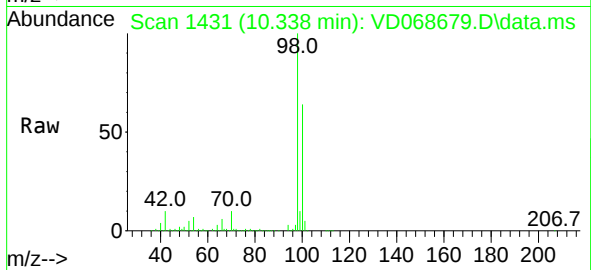




#50
Toluene-d8
Concen: 51.44 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068679.D
Acq: 26 Mar 2021 12:47

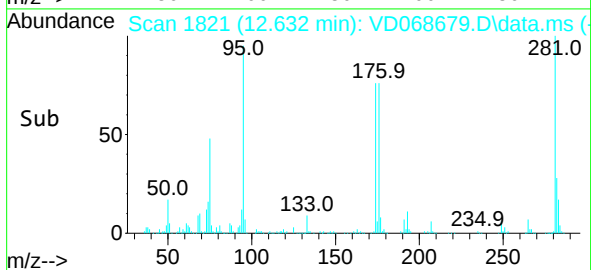
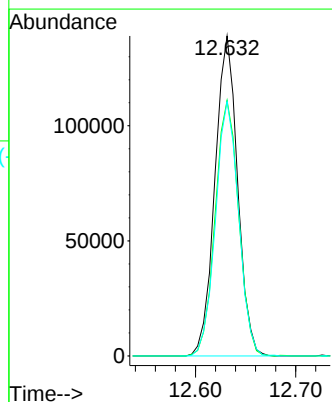
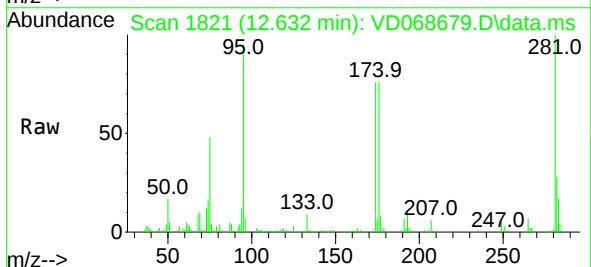
Instrument :
MSVOA_D
ClientSampleId :

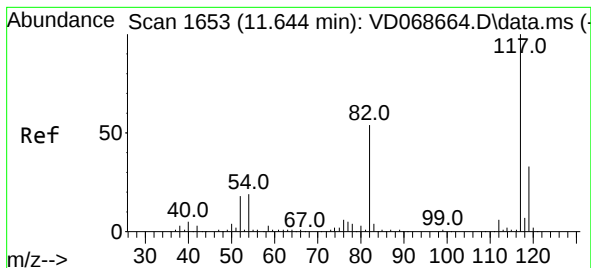
Tgt Ion: 98 Resp: 686288
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 50.31 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068679.D
Acq: 26 Mar 2021 12:47

Tgt Ion: 95 Resp: 217637
Ion Ratio Lower Upper
95 100
174 82.6 0.0 168.0
176 80.9 0.0 160.2

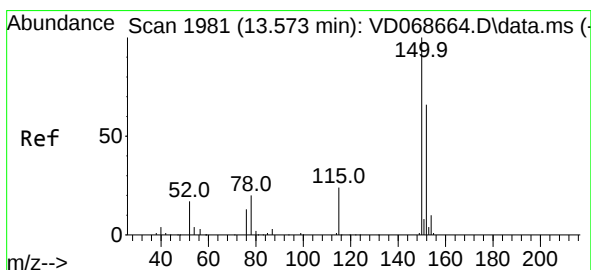
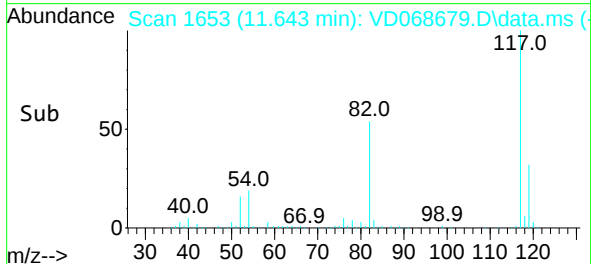
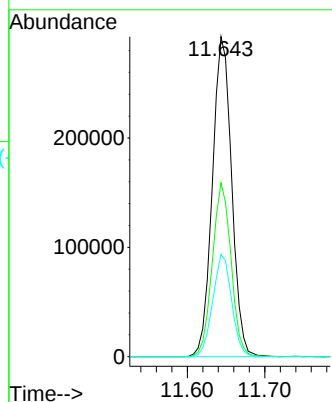
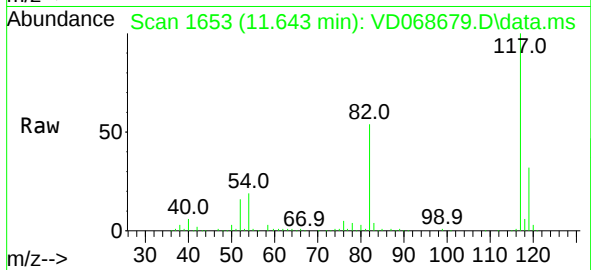




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068679.D
Acq: 26 Mar 2021 12:47

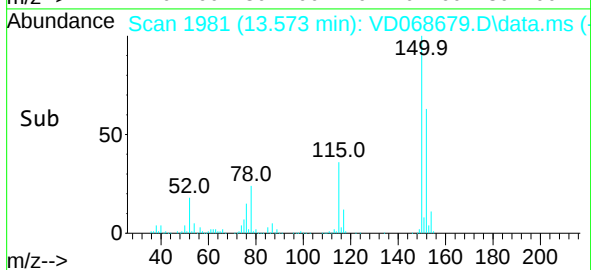
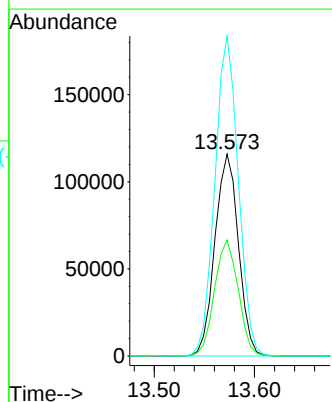
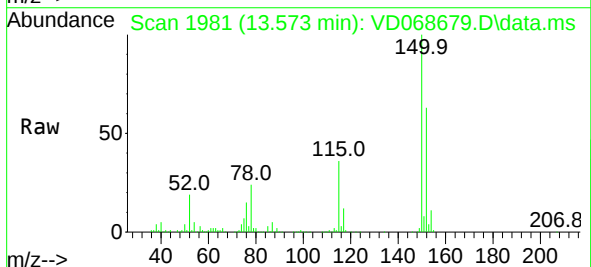
Instrument :
MSVOA_D
ClientSampleId :

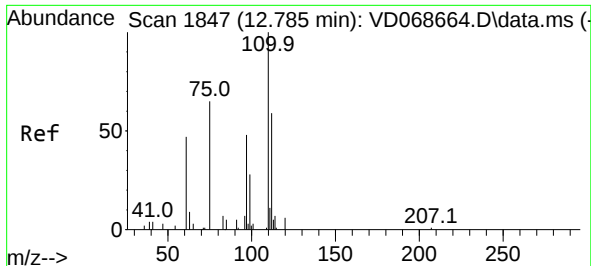
Tgt Ion:117 Resp: 506522
Ion Ratio Lower Upper
117 100
82 54.3 43.5 65.3
119 32.0 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068679.D
Acq: 26 Mar 2021 12:47

Tgt Ion:152 Resp: 188597
Ion Ratio Lower Upper
152 100
115 57.9 29.3 87.8
150 158.1 0.0 347.6

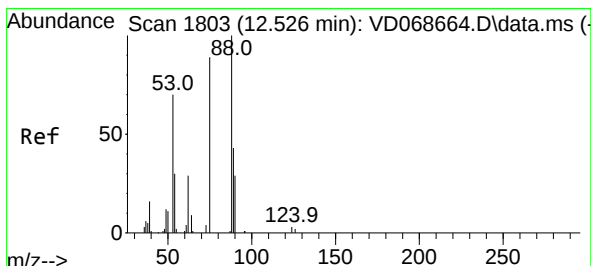
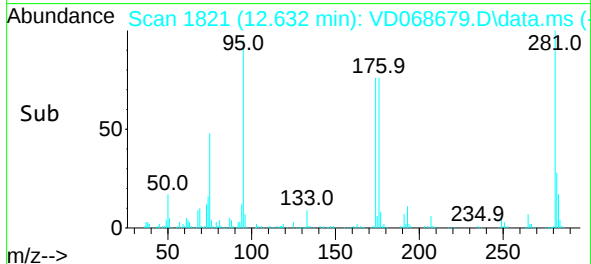
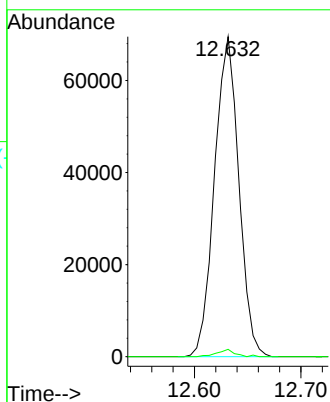
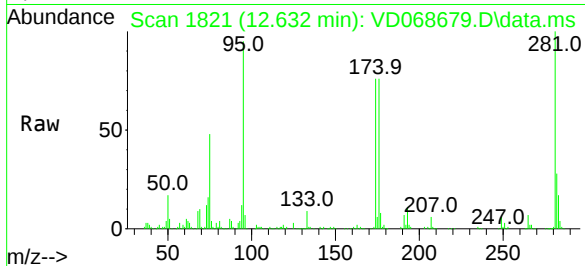




#76
1,2,3-Trichloropropane
Concen: 70.12 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068679.D
Acq: 26 Mar 2021 12:47

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 110077
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 159.54 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068679.D
Acq: 26 Mar 2021 12:47

Tgt Ion: 75 Resp: 110077
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 1.3 36.6 54.8#

