

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012221\
 Data File : VD068154.D
 Acq On : 22 Jan 2021 14:37
 Operator : VA/SY
 Sample : M1208-04
 Misc : 10.75G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-03-011-B

Quant Time: Jan 22 23:59:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.984	168	545857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	948374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	795677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.578	152	301243	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.337	65	280444	53.71	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.42%
35) Dibromofluoromethane	7.920	113	271346	51.75	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.50%
50) Toluene-d8	10.343	98	1142580	54.48	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.96%
62) 4-Bromofluorobenzene	12.631	95	342288	45.32	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.64%

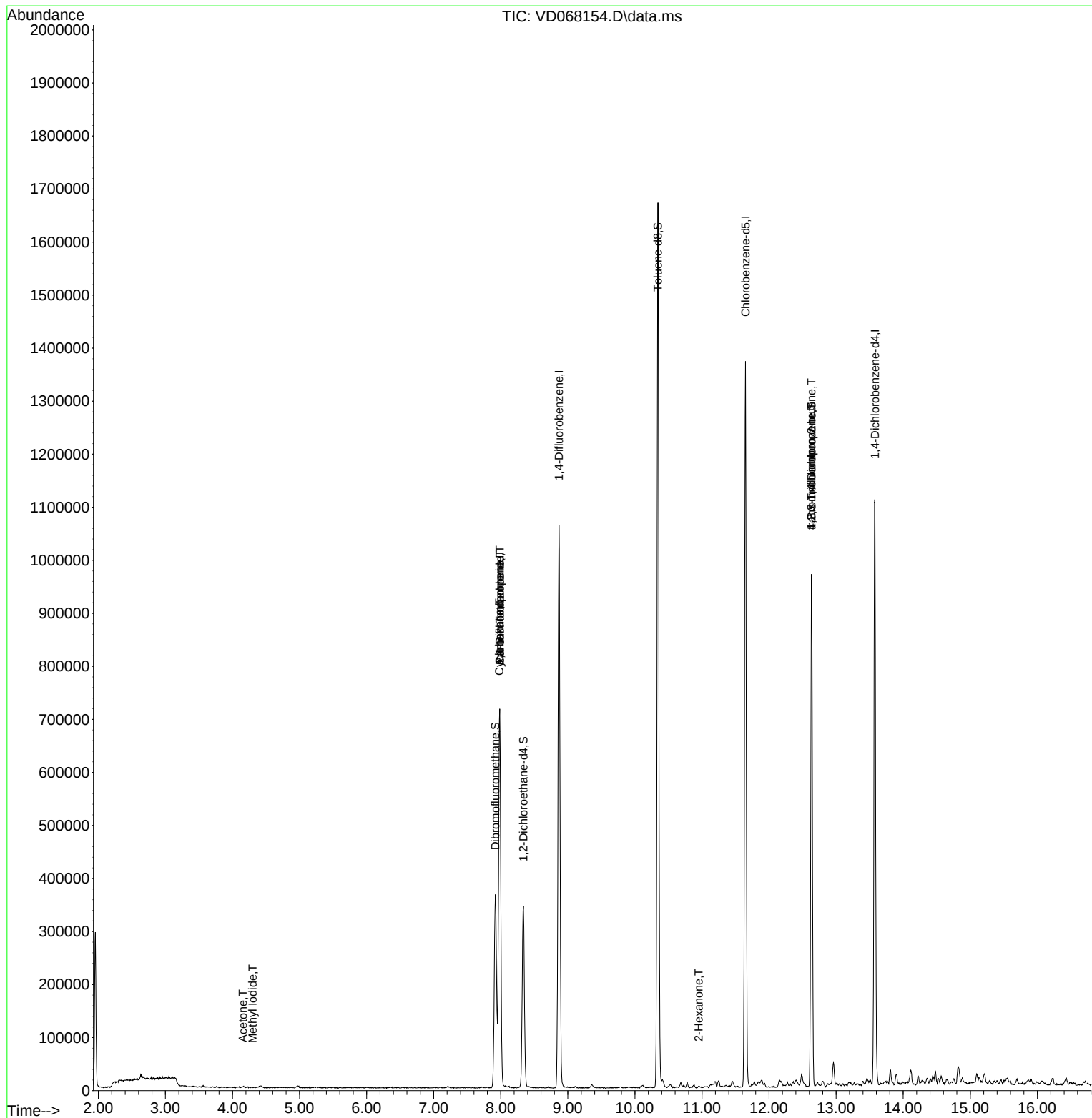
Target Compounds					Qvalue
10) Methyl Iodide	4.302	142	363	3.21 ug/l #	57
11) Tert butyl alcohol	5.220	59	588	Below Cal	96
16) Acetone	4.155	43	993	1.07 ug/l #	42
20) Methylene Chloride	4.973	84	2564	Below Cal	91
31) Cyclohexane	7.979	56	12780	1.13 ug/l #	17
36) 1,1-Dichloropropene	7.984	75	45291	4.74 ug/l #	47
38) Carbon Tetrachloride	7.984	117	56754	6.34 ug/l #	16
59) 2-Hexanone	10.949	43	2599	1.14 ug/l #	19
76) 1,2,3-Trichloropropane	12.631	75	171718	58.96 ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.631	75	171718	119.30 ug/l #	13

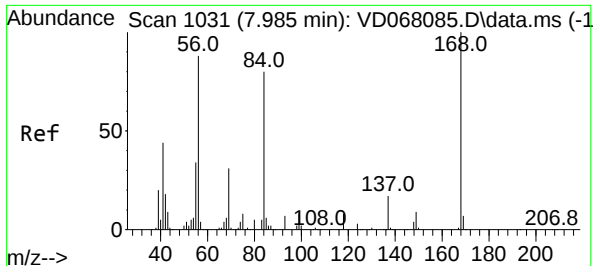
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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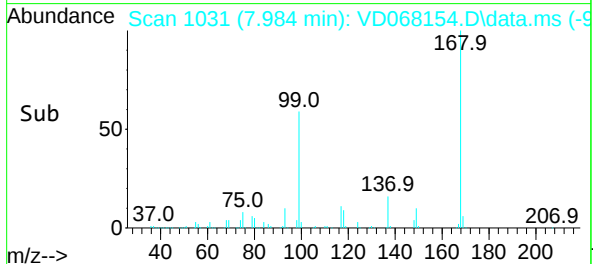
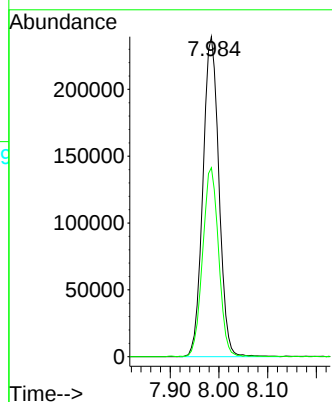
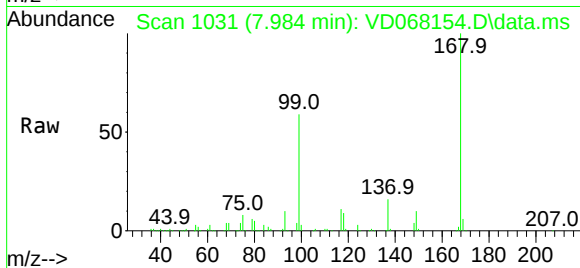




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.984 min Scan# 1031
Delta R.T. -0.001 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

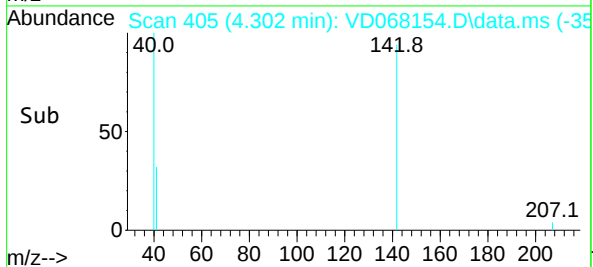
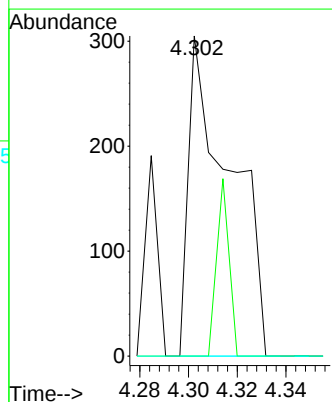
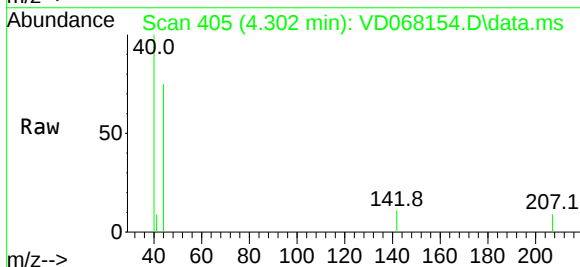
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-011-B

Tgt Ion:168 Resp: 545857
Ion Ratio Lower Upper
168 100
99 58.9 43.5 65.3



#10
Methyl Iodide
Concen: 3.21 ug/l
RT: 4.302 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

Tgt Ion:142 Resp: 363
Ion Ratio Lower Upper
142 100
127 16.5 37.9 56.9#
141 0.0 11.5 17.3#



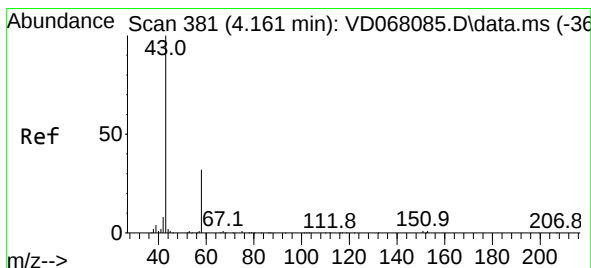
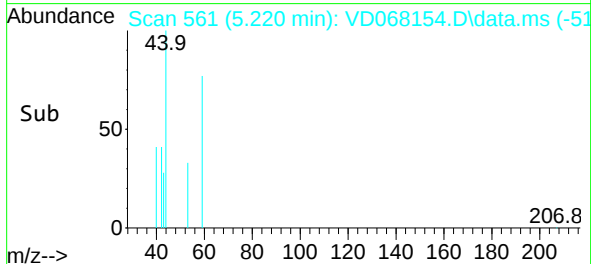
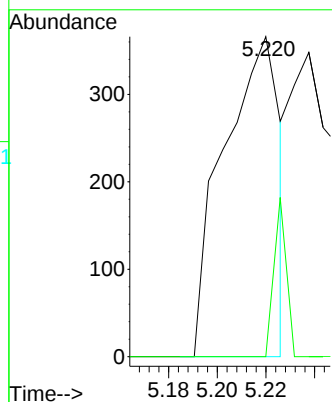
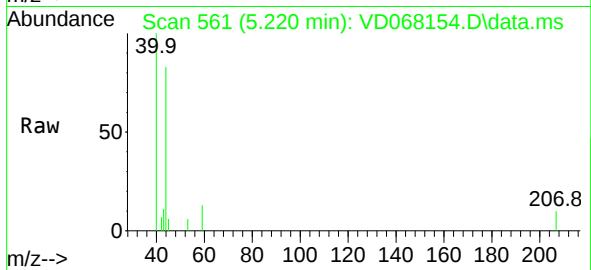


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.000 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-011-B

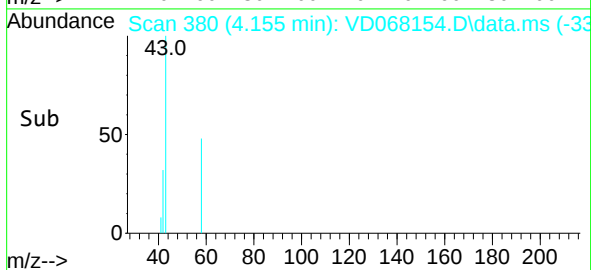
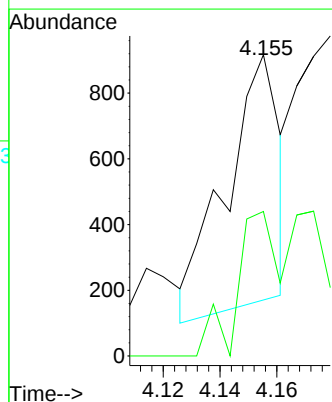
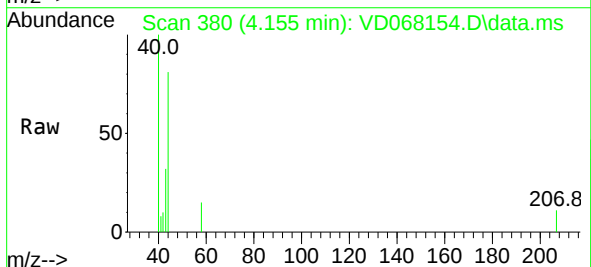
Tgt Ion: 59 Resp: 588
Ion Ratio Lower Upper
59 100
57 10.9 7.4 11.2



#16

Acetone
Concen: 1.07 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

Tgt Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
58 61.7 24.2 36.4#

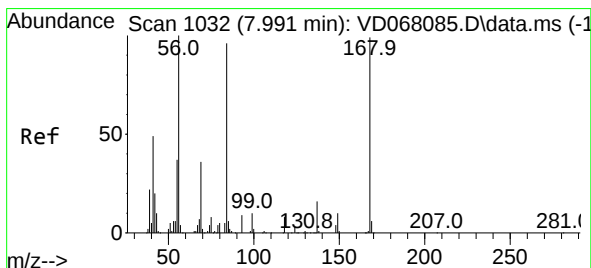
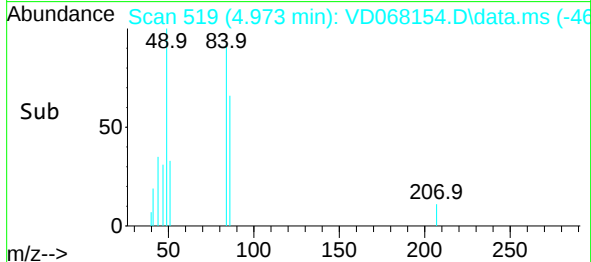
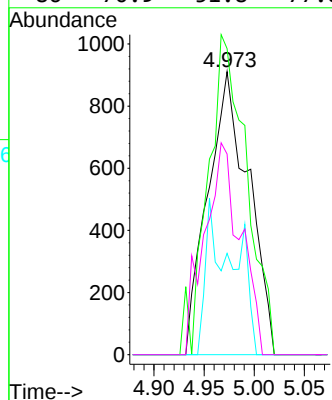
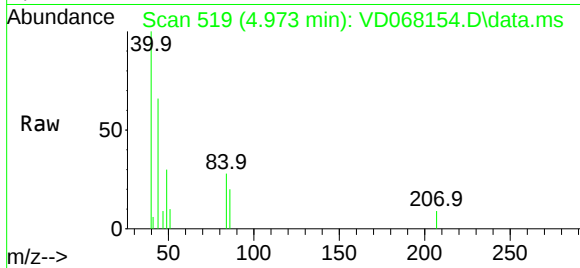




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. -0.000 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

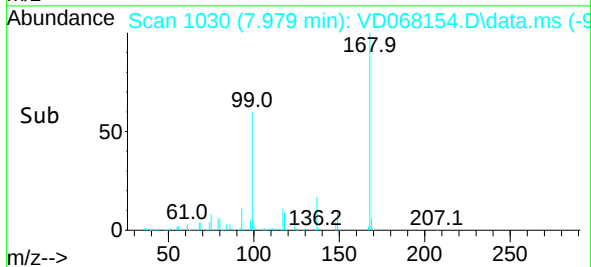
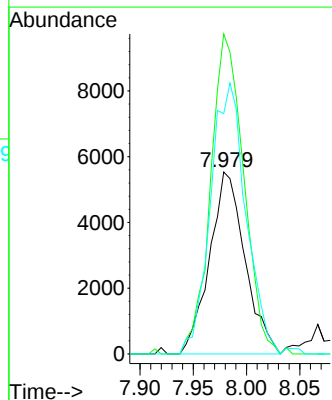
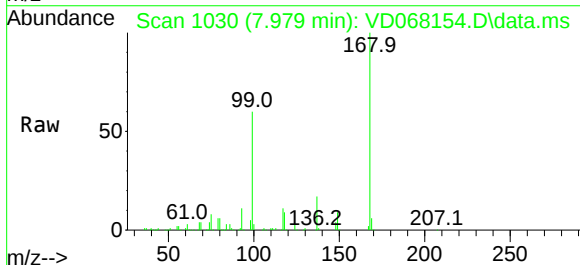
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-011-B

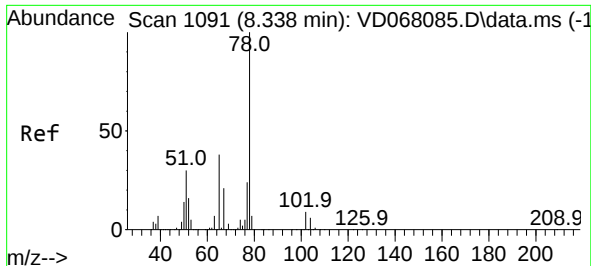
Tgt Ion:	84	Resp:	2564
Ion	Ratio	Lower	Upper
84	100		
49	108.1	77.4	116.2
51	35.8	26.1	39.1
86	70.9	51.8	77.8



#31
Cyclohexane
Concen: 1.13 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

Tgt Ion:	56	Resp:	12780
Ion	Ratio	Lower	Upper
56	100		
69	176.0	30.1	45.1#
84	132.1	82.1	123.1#

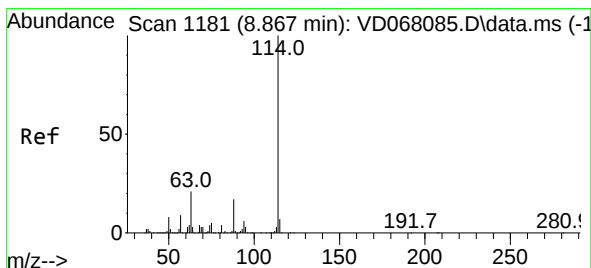
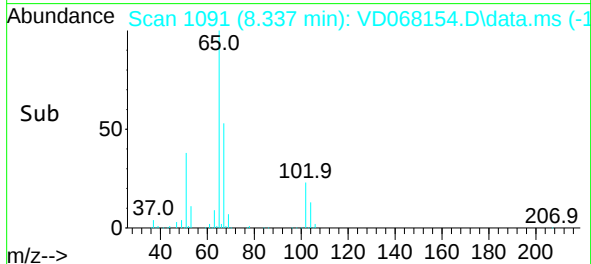
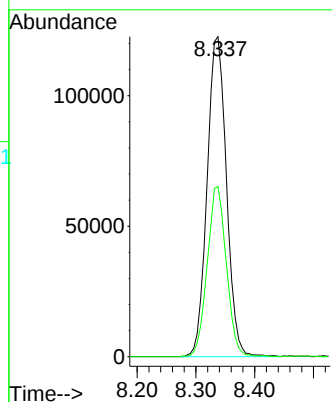
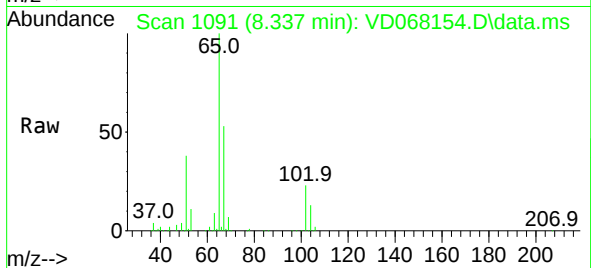




#33
1,2-Dichloroethane-d4
Concen: 53.71 ug/l
RT: 8.337 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

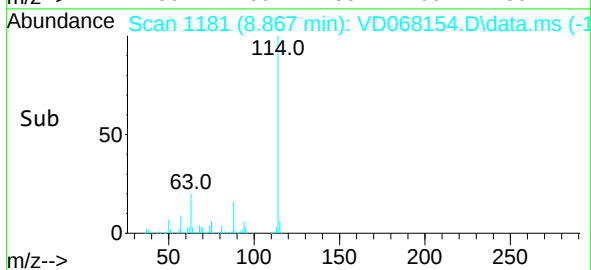
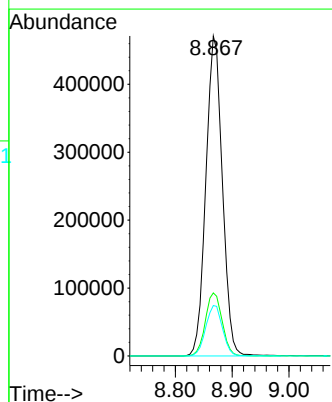
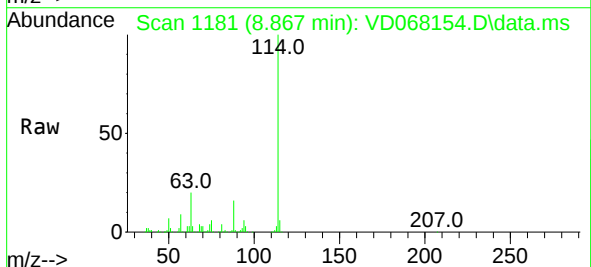
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-011-B

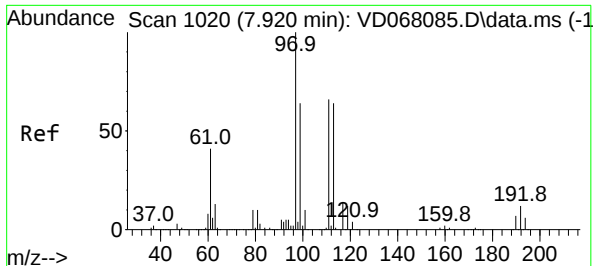
Tgt Ion: 65 Resp: 280444
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

Tgt Ion: 114 Resp: 948374
Ion Ratio Lower Upper
114 100
63 19.7 0.0 34.8
88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.75 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. -0.000 min

Lab File: VD068154.D

Acq: 22 Jan 2021 14:37

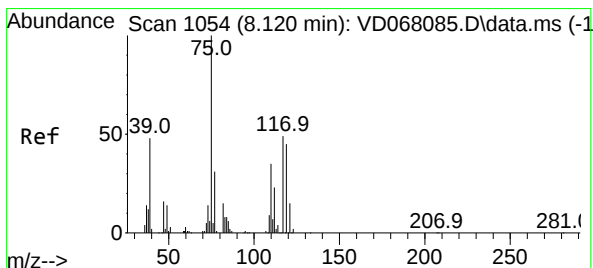
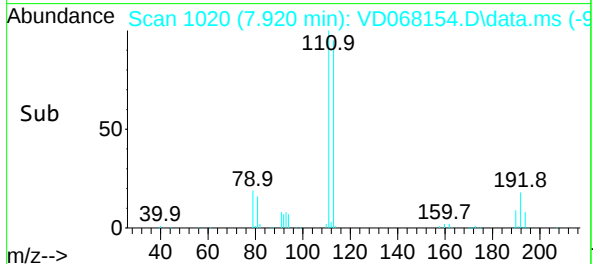
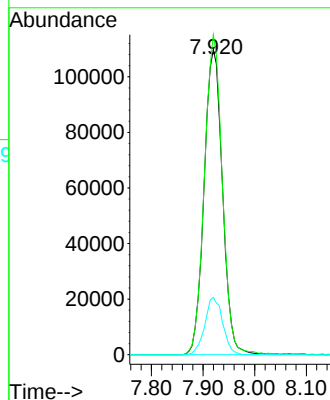
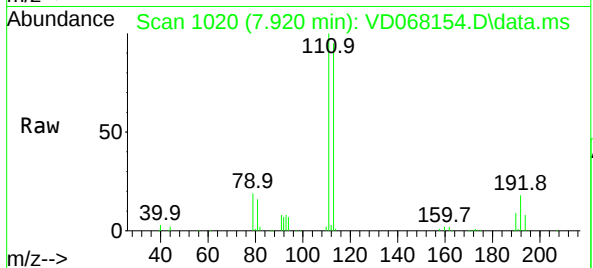
Tgt Ion:113 Resp: 271346

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 18.2 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.74 ug/l

RT: 7.984 min Scan# 1031

Delta R.T. -0.135 min

Lab File: VD068154.D

Acq: 22 Jan 2021 14:37

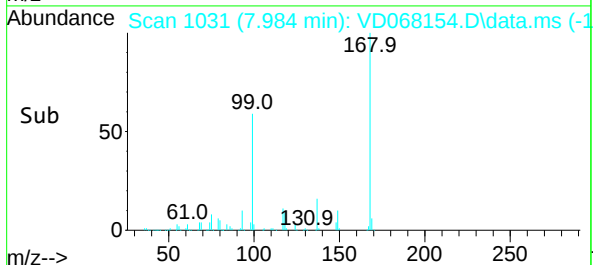
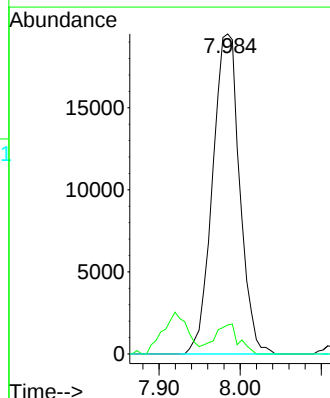
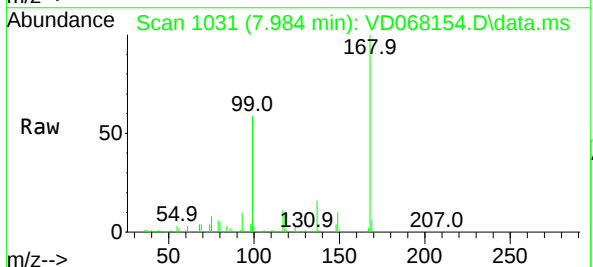
Tgt Ion: 75 Resp: 45291

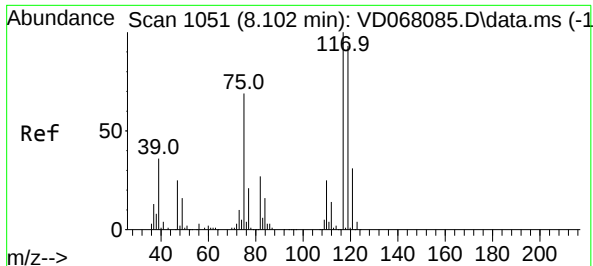
Ion Ratio Lower Upper

75 100

110 8.5 19.4 58.2#

77 0.0 25.3 37.9#

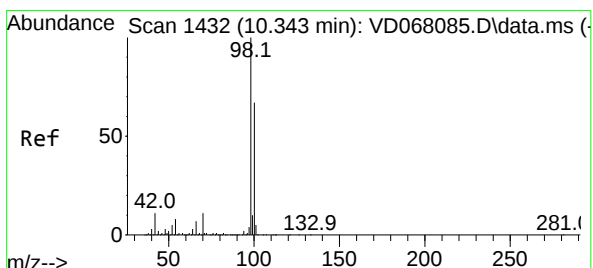
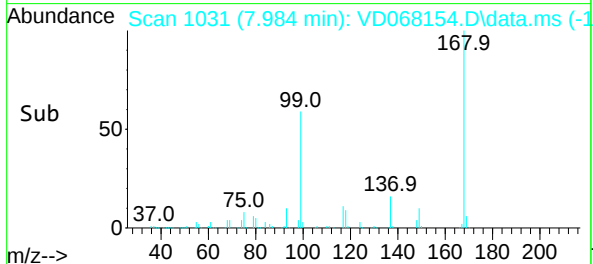
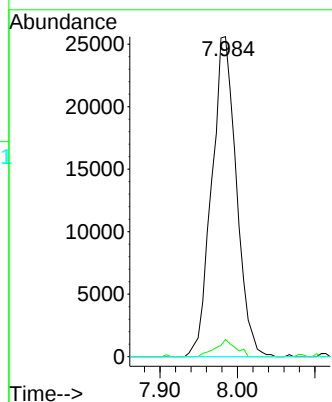
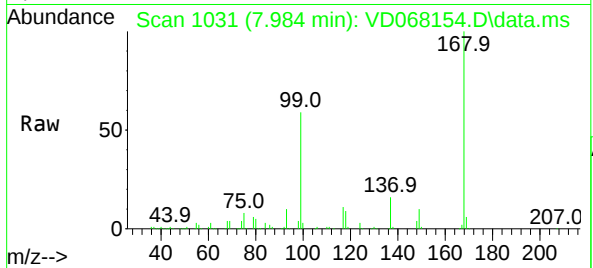




#38
Carbon Tetrachloride
Concen: 6.34 ug/l
RT: 7.984 min Scan# 1031
Delta R.T. -0.118 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

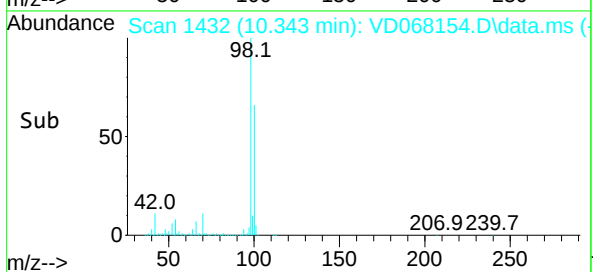
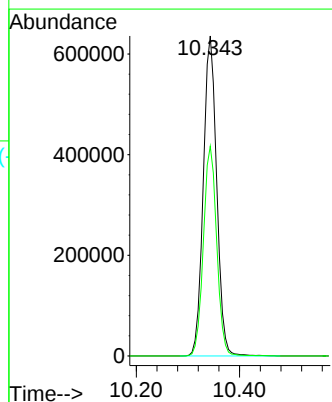
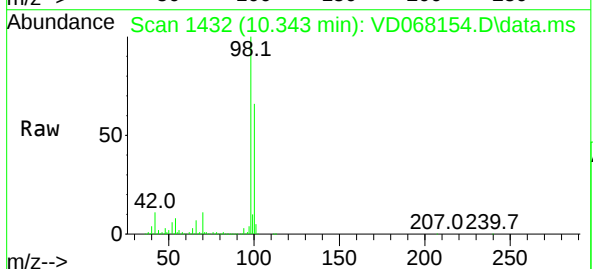
Instrument :
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FK-SF-03-011-B

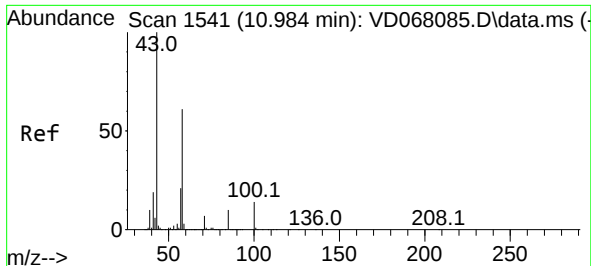
Tgt Ion:117 Resp: 56754
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.48 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

Tgt Ion: 98 Resp: 1142580
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4

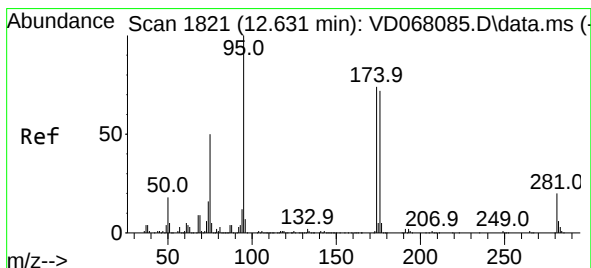
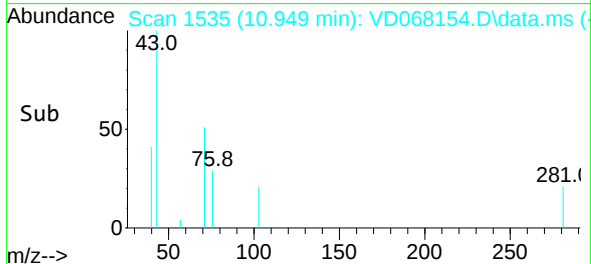
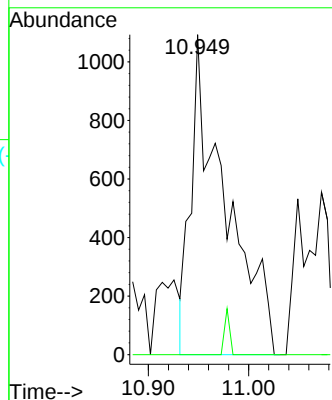
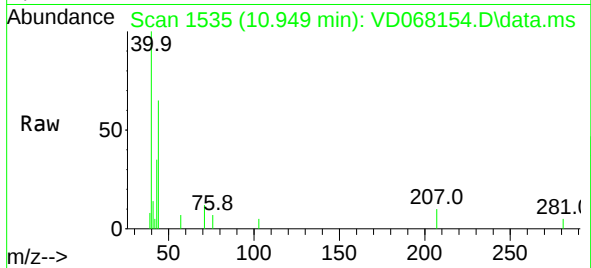




#59
2-Hexanone
Concen: 1.14 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.035 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

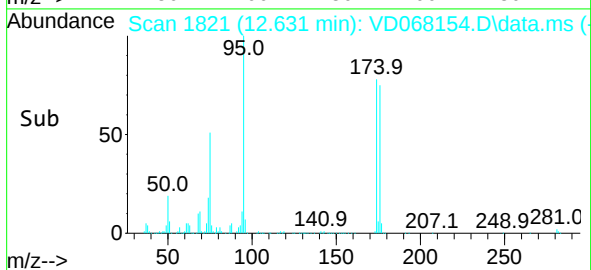
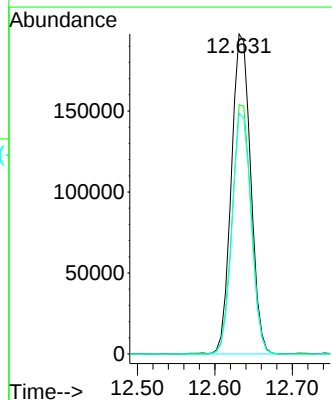
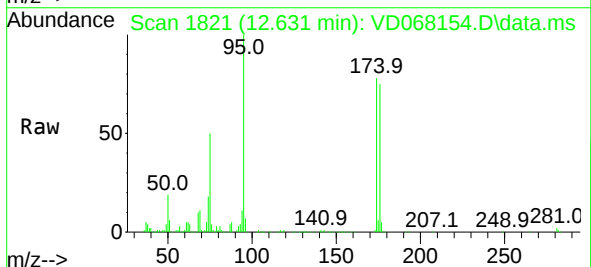
Instrument :
MSVOA_D
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FK-SF-03-011-B

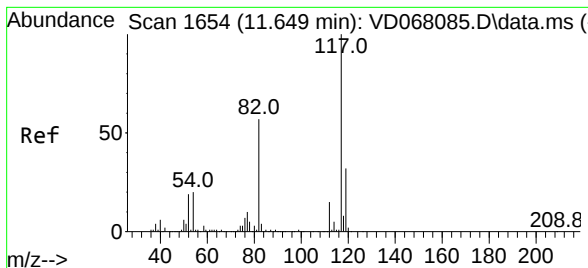
Tgt Ion: 43 Resp: 2599
Ion Ratio Lower Upper
43 100
58 0.0 31.0 93.0#



#62
4-Bromofluorobenzene
Concen: 45.32 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

Tgt Ion: 95 Resp: 342288
Ion Ratio Lower Upper
95 100
174 76.9 0.0 172.4
176 74.2 0.0 168.4

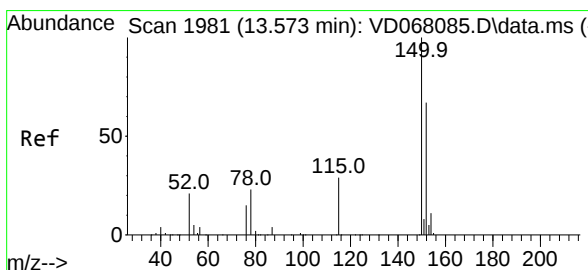
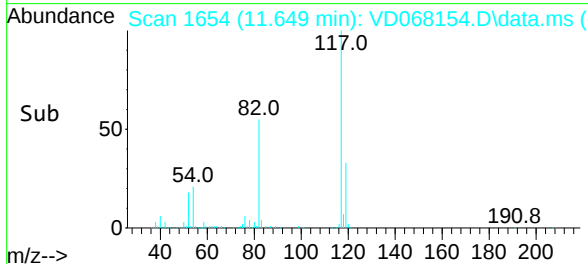
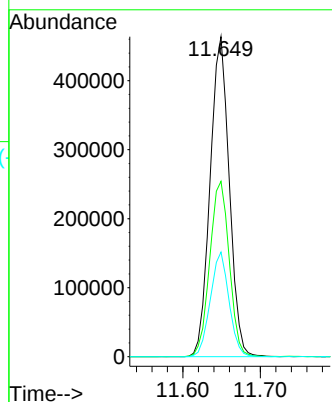
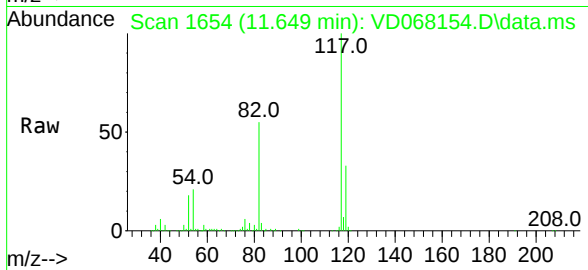




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

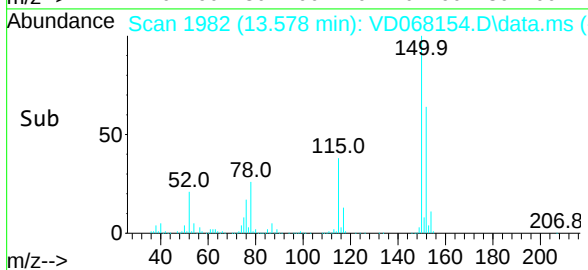
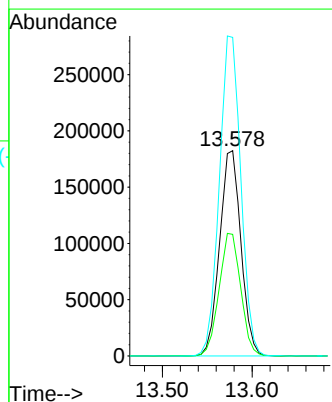
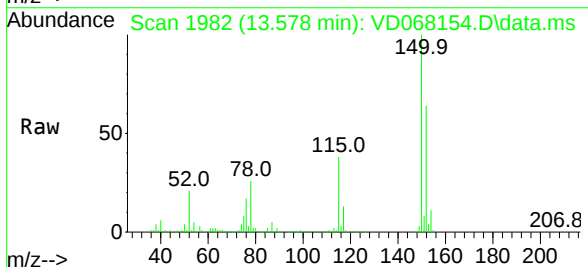
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-011-B

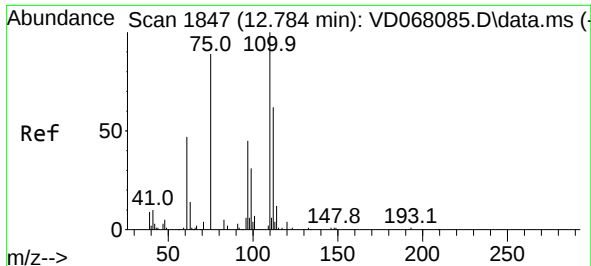
Tgt Ion:117 Resp: 795677
Ion Ratio Lower Upper
117 100
82 54.8 41.4 62.0
119 32.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.578 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

Tgt Ion:152 Resp: 301243
Ion Ratio Lower Upper
152 100
115 60.4 28.9 86.8
150 157.1 0.0 344.4

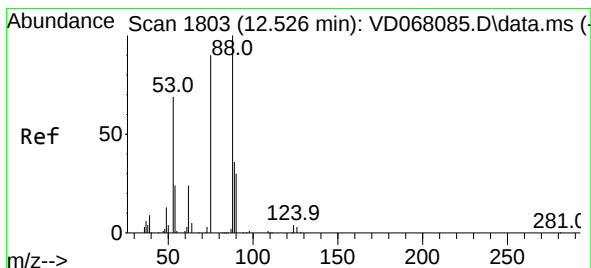
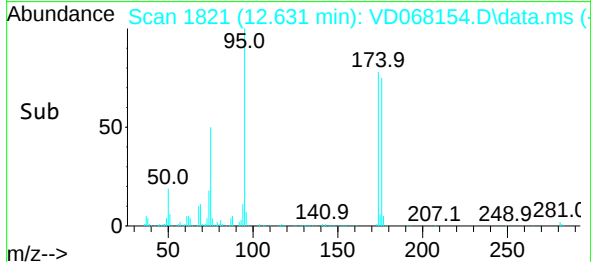
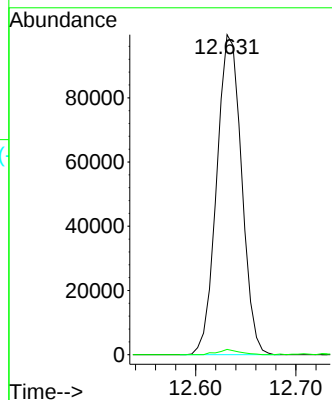
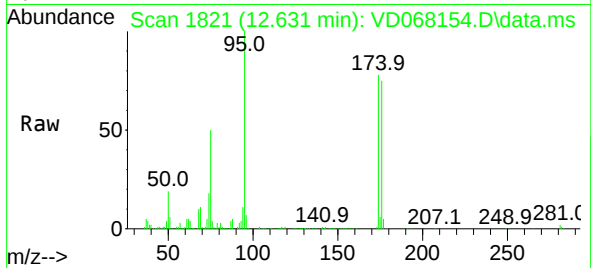




#76
1,2,3-Trichloropropane
Concen: 58.96 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-011-B

Tgt Ion: 75 Resp: 171718
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.30 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068154.D
Acq: 22 Jan 2021 14:37

Tgt Ion: 75 Resp: 171718
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#

