

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020421\
 Data File : VD068292.D
 Acq On : 04 Feb 2021 22:18
 Operator : VA/SY
 Sample : M1314-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 05 00:08:39 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)

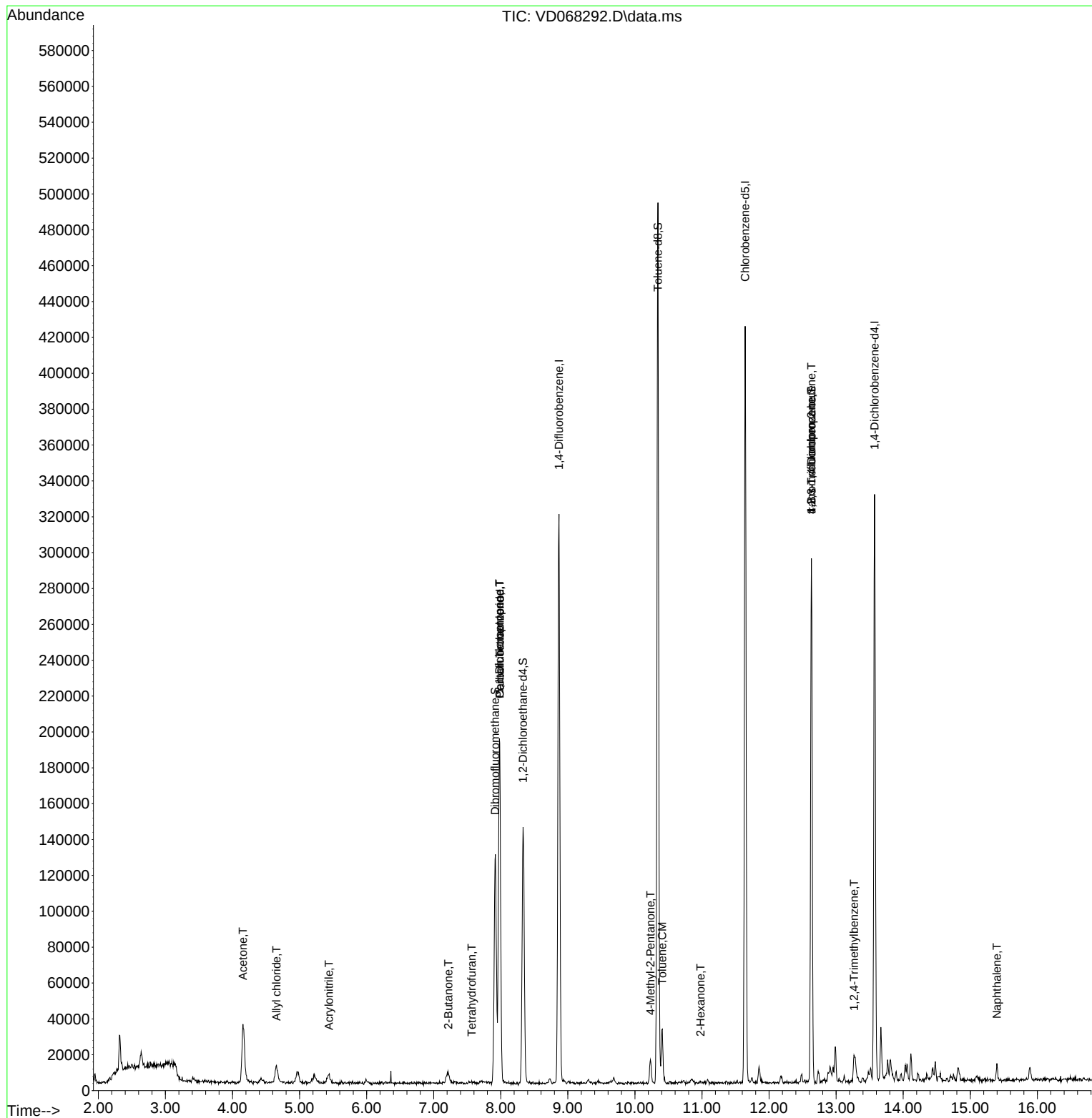
Internal Standards						
1) Pentafluorobenzene	7.985	168	145194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	283508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	249497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	88825	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	115672	83.28	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 166.56%#			
35) Dibromofluoromethane	7.914	113	92262	58.86	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.72%			
50) Toluene-d8	10.344	98	342123	54.57	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.14%			
62) 4-Bromofluorobenzene	12.632	95	103077	45.65	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.30%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.220	59	7106	Below Cal	#	84
14) Allyl chloride	4.656	41	15775	6.82 ug/l	#	36
15) Acrylonitrile	5.438	53	7015	22.18 ug/l		87
16) Acetone	4.156	43	56898	229.43 ug/l		99
20) Methylene Chloride	4.967	84	5451	Below Cal		91
25) 2-Butanone	7.220	43	6810	18.24 ug/l	#	82
29) Tetrahydrofuran	7.567	42	306	1.26 ug/l	#	60
36) 1,1-Dichloropropene	7.979	75	11280	3.95 ug/l	#	48
38) Carbon Tetrachloride	7.985	117	15038	5.62 ug/l	#	18
51) 4-Methyl-2-Pentanone	10.232	43	9490	9.69 ug/l		90
52) Toluene	10.408	92	12069	2.32 ug/l		91
59) 2-Hexanone	10.979	43	851	1.25 ug/l	#	45
76) 1,2,3-Trichloropropane	12.632	75	52928	61.63 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.632	75	52928	124.71 ug/l	#	13
84) 1,2,4-Trimethylbenzene	13.267	105	8567	1.40 ug/l		91
95) Naphthalene	15.396	128	7700	2.30 ug/l	#	93

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

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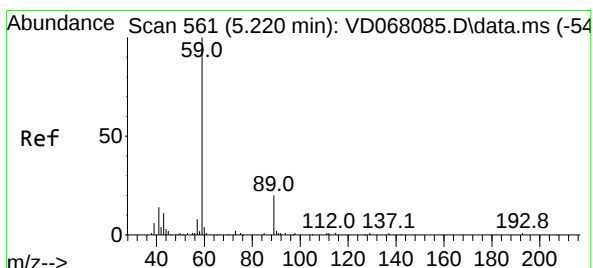
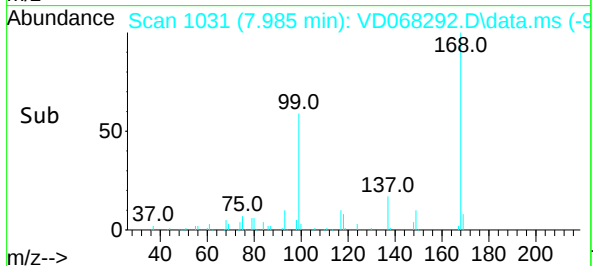
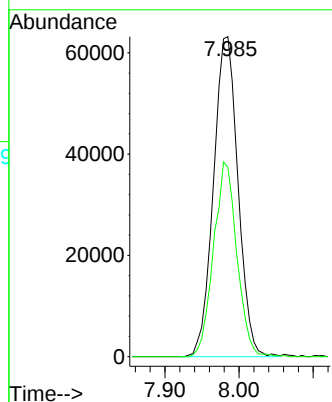
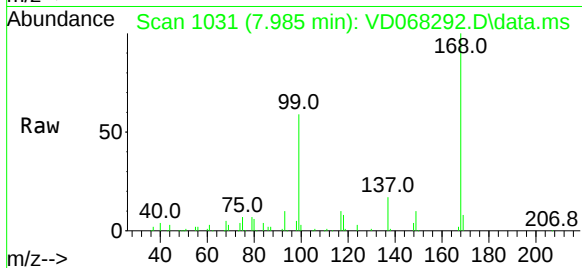




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

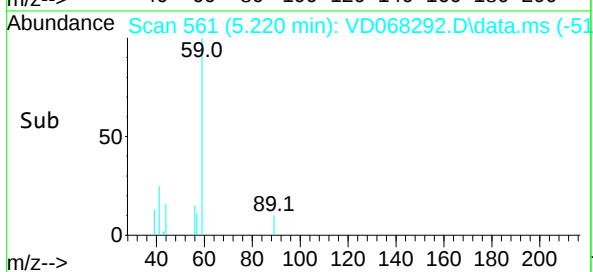
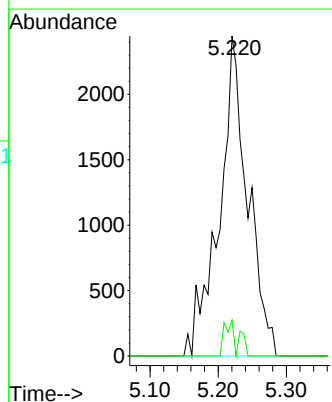
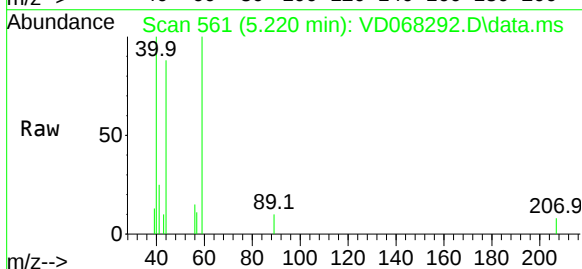
Instrument :
MSVOA_D
ClientSampled :

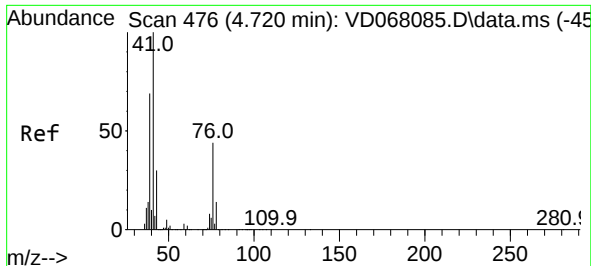
Tgt Ion:168 Resp: 145194
Ion Ratio Lower Upper
168 100
99 59.1 43.5 65.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

Tgt Ion: 59 Resp: 7106
Ion Ratio Lower Upper
59 100
57 3.5 7.4 11.2#





#14

Allyl chloride

Concen: 6.82 ug/l

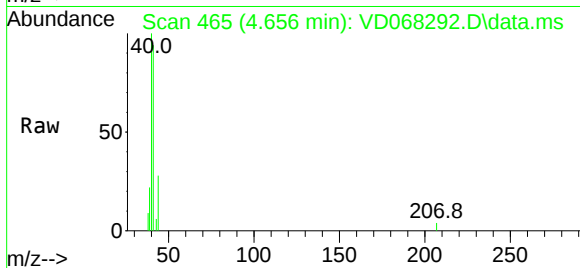
RT: 4.656 min Scan# 465

Delta R.T. -0.064 min

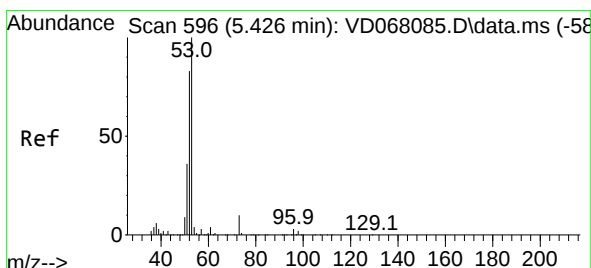
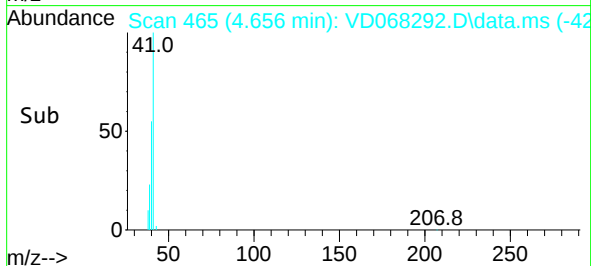
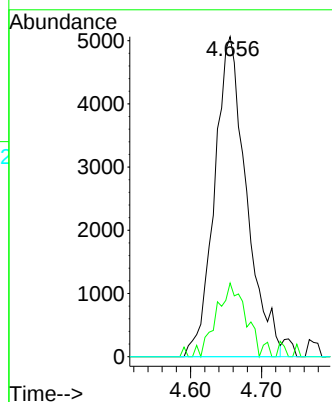
Lab File: VD068292.D

Acq: 04 Feb 2021 22:18

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	41	Resp:	15775
Ion Ratio	Lower	Upper	
41	100		
39	21.7	56.3	84.5#
76	0.0	38.9	58.3#



#15

Acrylonitrile

Concen: 22.18 ug/l

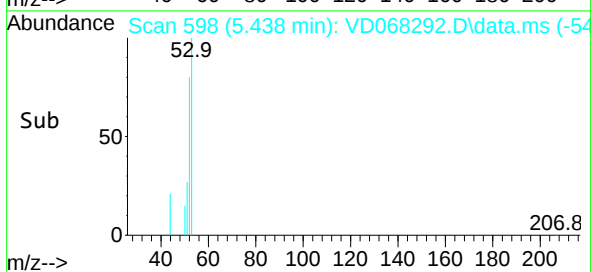
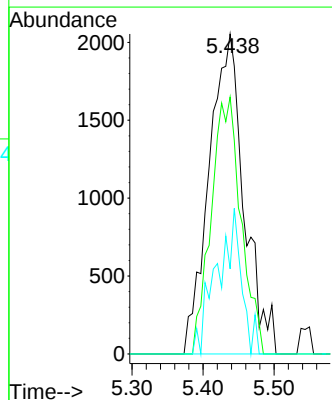
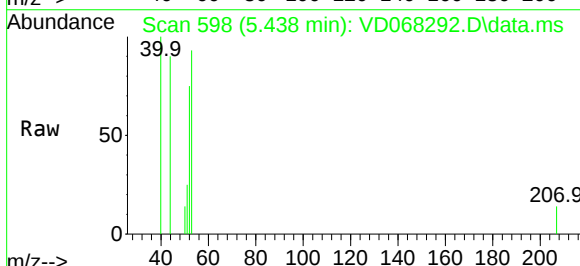
RT: 5.438 min Scan# 598

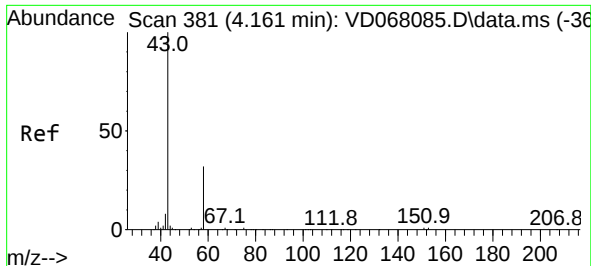
Delta R.T. 0.012 min

Lab File: VD068292.D

Acq: 04 Feb 2021 22:18

Tgt Ion:	53	Resp:	7015
Ion Ratio	Lower	Upper	
53	100		
52	68.6	66.2	99.2
51	31.8	29.0	43.4

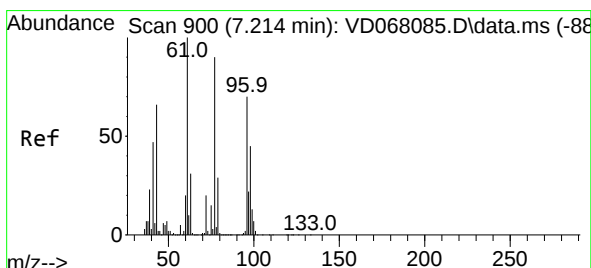
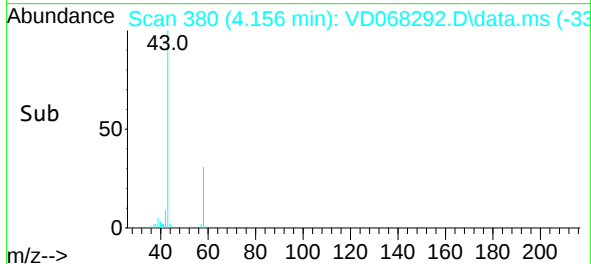
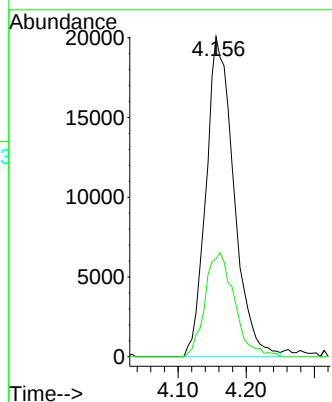
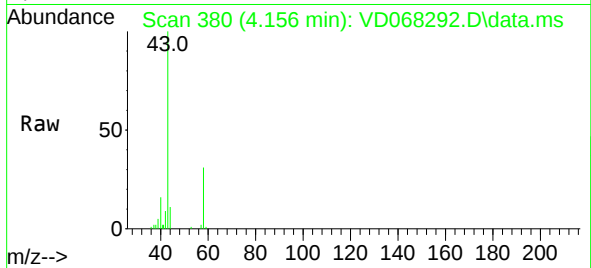




#16
Acetone
Concen: 229.43 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

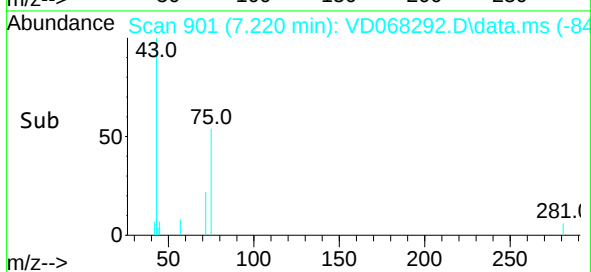
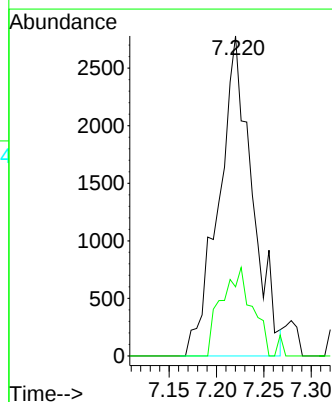
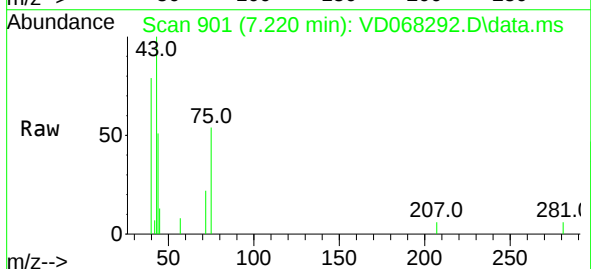
Instrument :
MSVOA_D
ClientSampled :

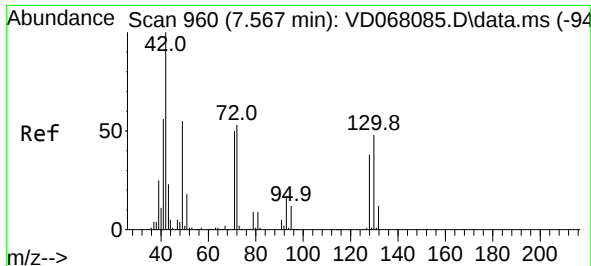
Tgt Ion: 43 Resp: 56898
Ion Ratio Lower Upper
43 100
58 30.6 24.2 36.4



#25
2-Butanone
Concen: 18.24 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

Tgt Ion: 43 Resp: 6810
Ion Ratio Lower Upper
43 100
72 21.6 25.1 37.7#





#29

Tetrahydrofuran

Concen: 1.26 ug/l

RT: 7.567 min Scan# 960

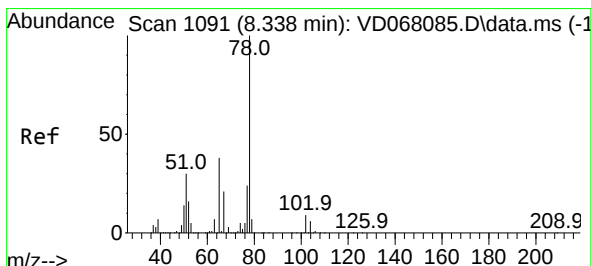
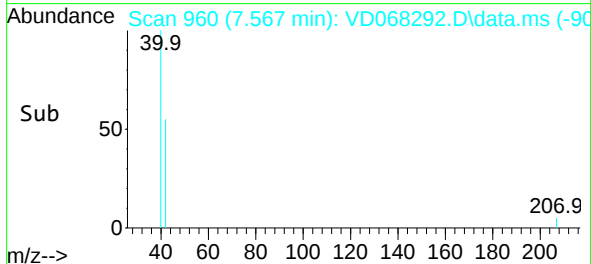
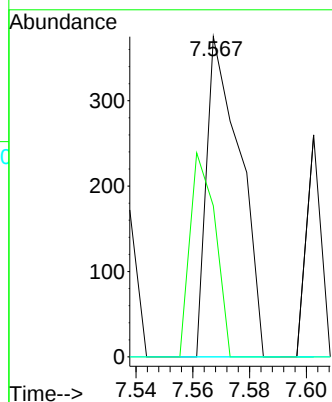
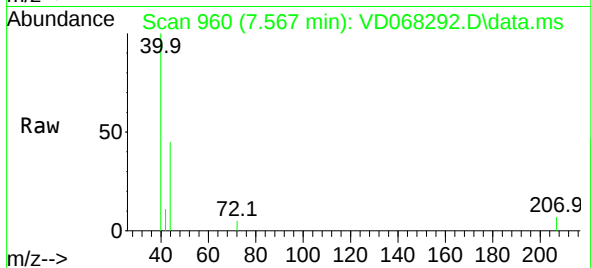
Delta R.T. 0.000 min

Lab File: VD068292.D

Acq: 04 Feb 2021 22:18

Tgt Ion: 42	Resp: 306
Ion Ratio	Lower Upper
42 100	
72 48.0	43.4 65.0
71 0.0	40.8 61.2#

Instrument :
MSVOA_D
ClientSampled :



#33

1,2-Dichloroethane-d4

Concen: 83.28 ug/l

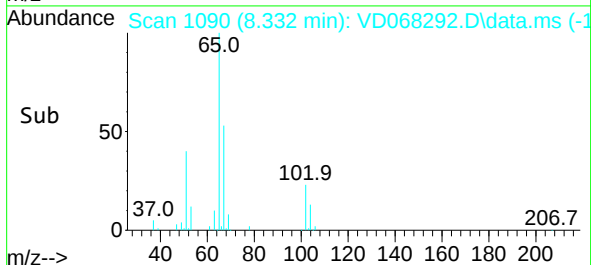
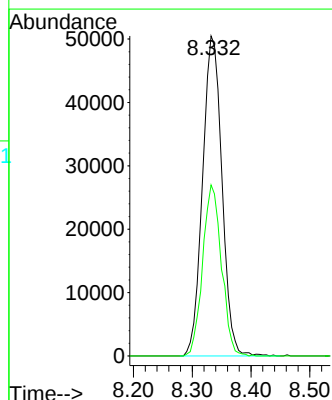
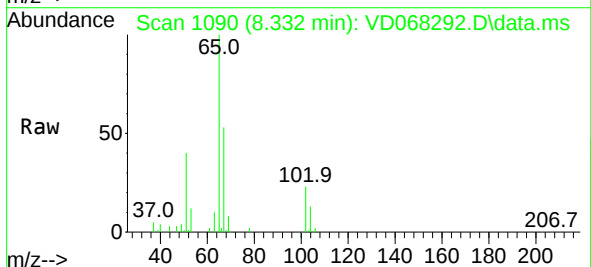
RT: 8.332 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD068292.D

Acq: 04 Feb 2021 22:18

Tgt Ion: 65	Resp: 115672
Ion Ratio	Lower Upper
65 100	
67 51.7	0.0 105.0

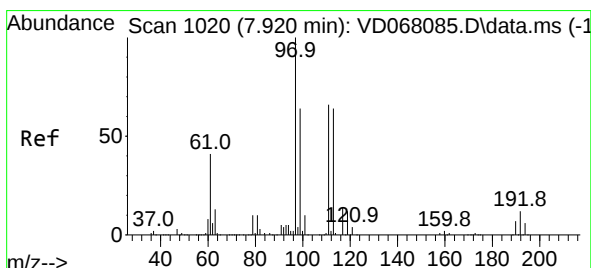
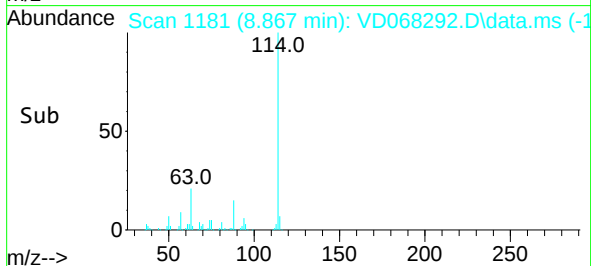
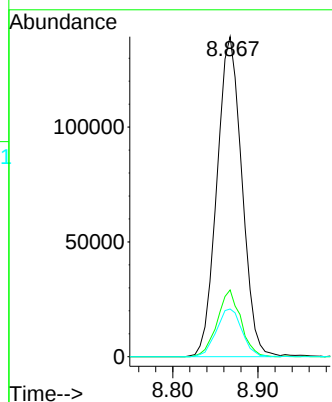
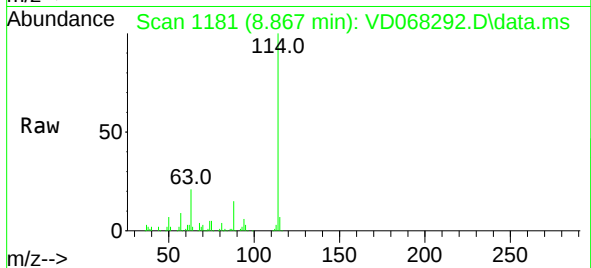




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

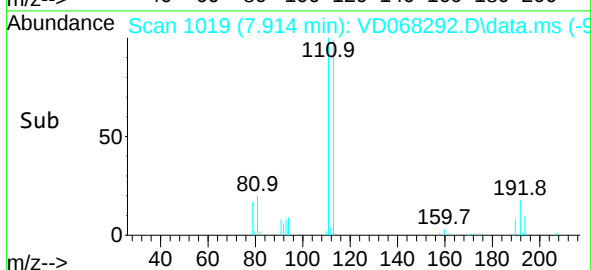
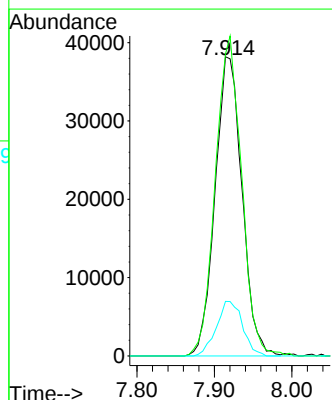
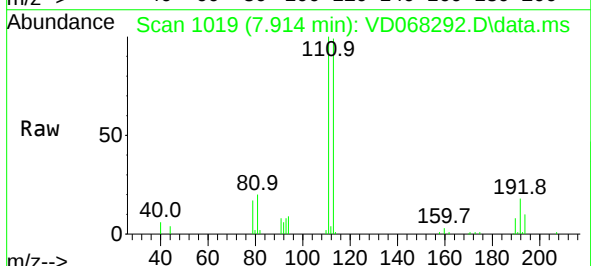
Instrument :
MSVOA_D
ClientSampled :

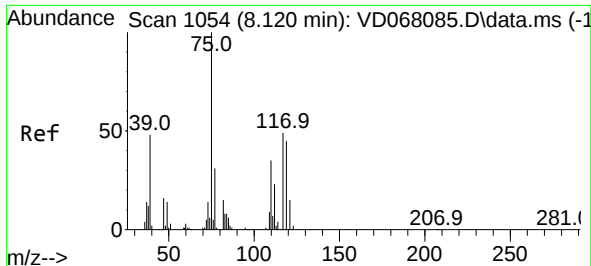
Tgt Ion:114 Resp: 283508
Ion Ratio Lower Upper
114 100
63 20.9 0.0 34.8
88 14.9 0.0 31.6



#35
Dibromofluoromethane
Concen: 58.86 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

Tgt Ion:113 Resp: 92262
Ion Ratio Lower Upper
113 100
111 104.4 81.4 122.0
192 17.7 16.1 24.1

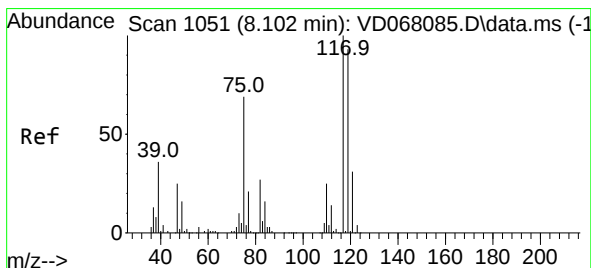
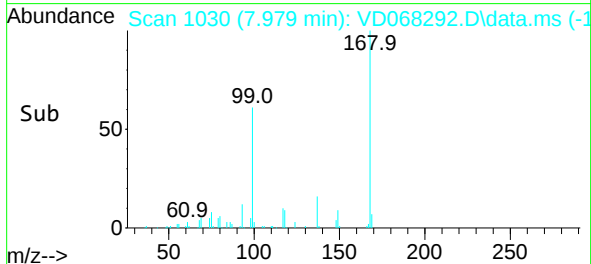
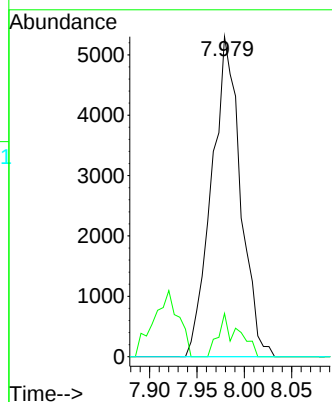
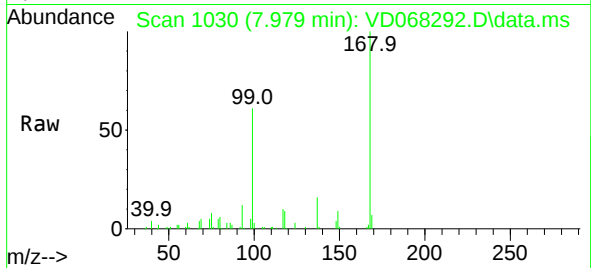




#36
1,1-Dichloropropene
Concen: 3.95 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.141 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

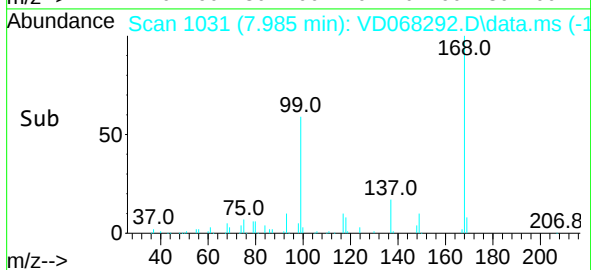
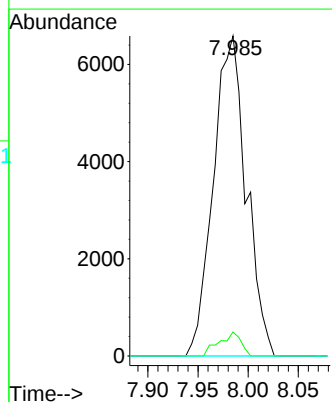
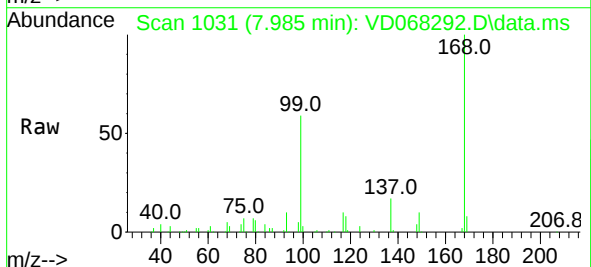
Instrument :
MSVOA_D
ClientSampled :

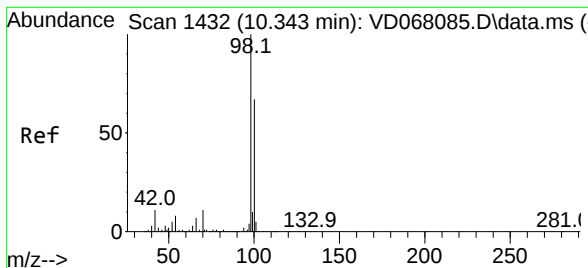
Tgt Ion: 75 Resp: 11280
Ion Ratio Lower Upper
75 100
110 9.3 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.62 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

Tgt Ion: 117 Resp: 15038
Ion Ratio Lower Upper
117 100
119 7.5 77.3 115.9#
121 0.0 24.7 37.1#

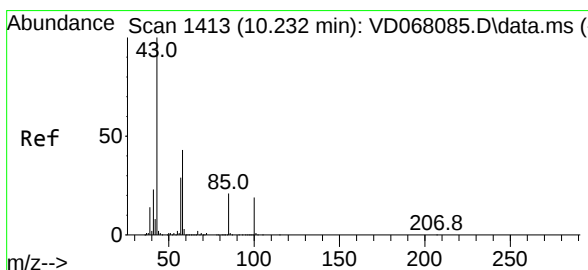
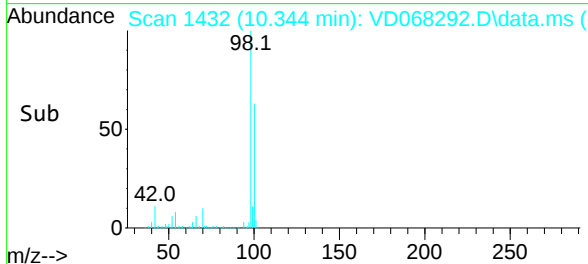
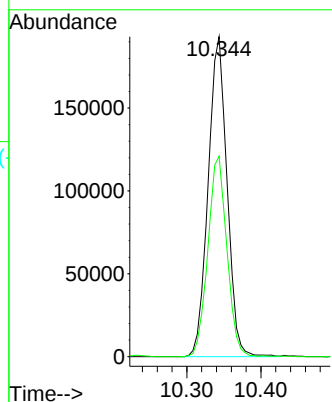
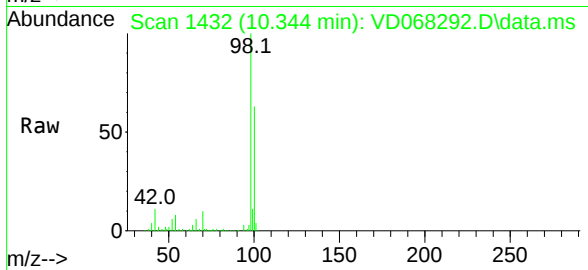




#50
Toluene-d8
Concen: 54.57 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

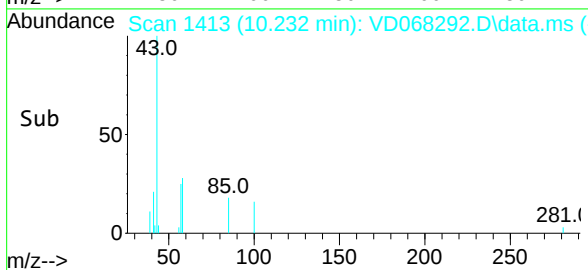
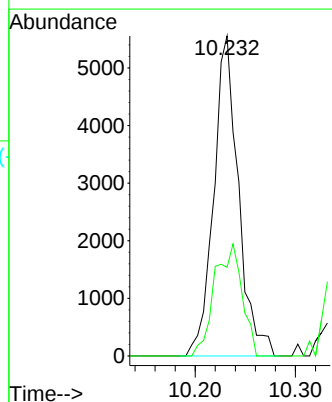
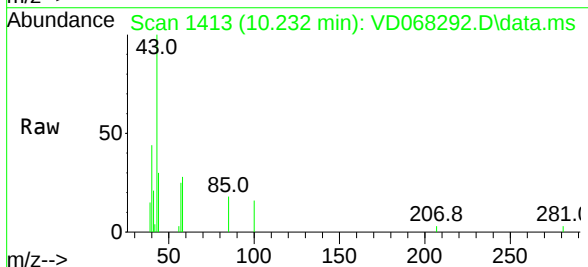
Instrument :
MSVOA_D
ClientSampled :

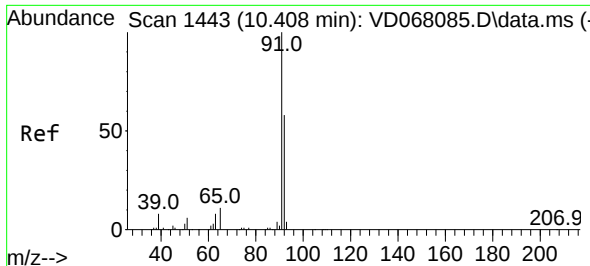
Tgt Ion: 98 Resp: 342123
Ion Ratio Lower Upper
98 100
100 62.9 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 9.69 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.000 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

Tgt Ion: 43 Resp: 9490
Ion Ratio Lower Upper
43 100
58 38.9 36.1 54.1

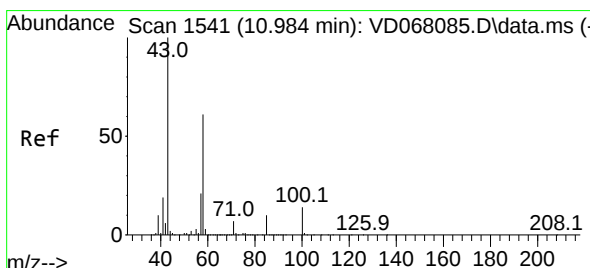
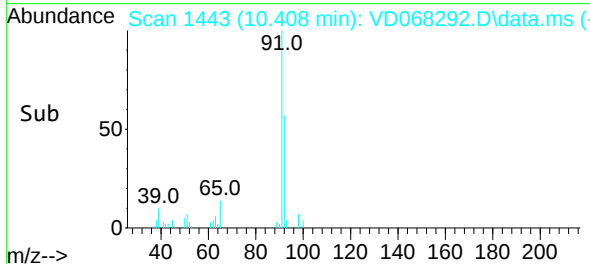
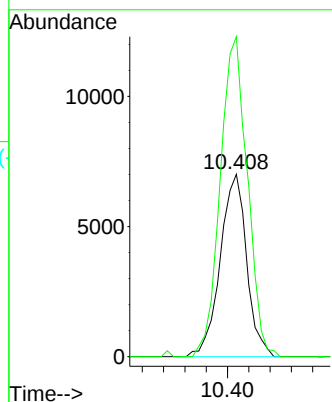
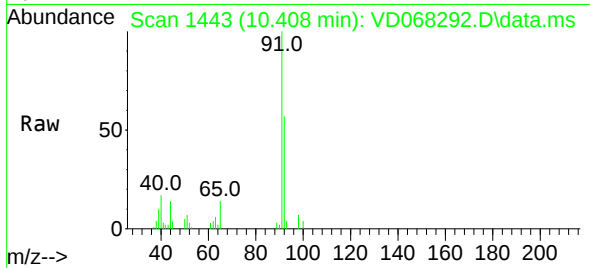




#52
Toluene
Concen: 2.32 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

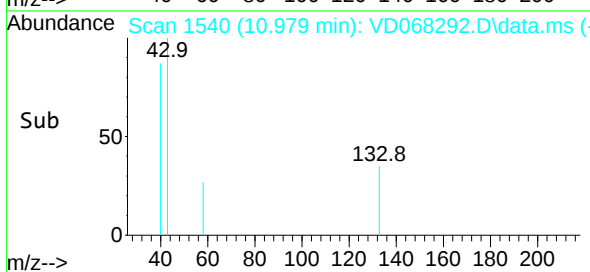
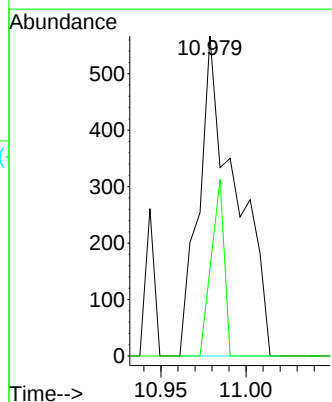
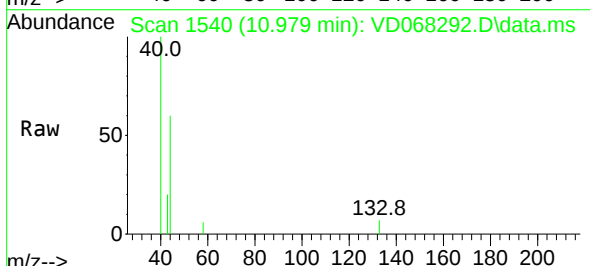
Instrument :
MSVOA_D
ClientSampled :

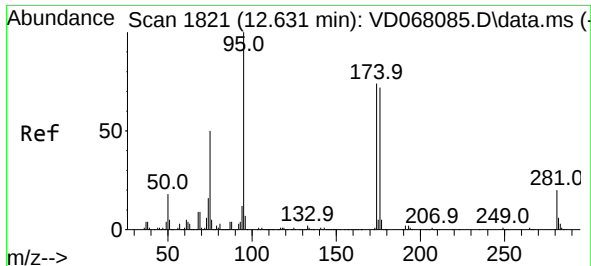
Tgt Ion: 92 Resp: 12069
Ion Ratio Lower Upper
92 100
91 179.9 134.1 201.1



#59
2-Hexanone
Concen: 1.25 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.006 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

Tgt Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
58 19.4 31.0 93.0#

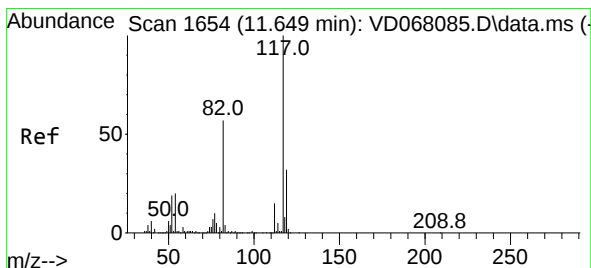
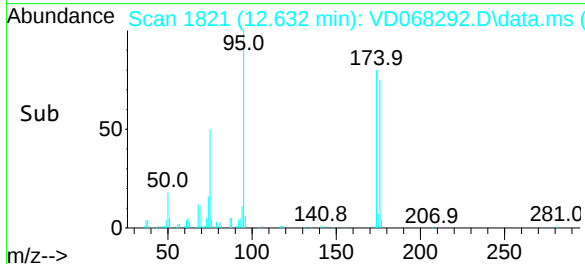
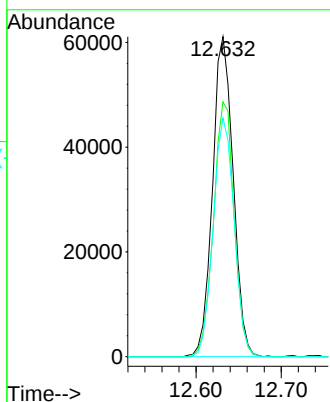
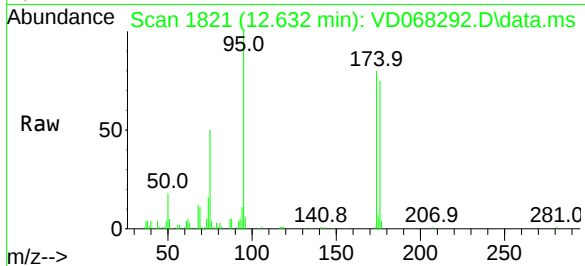




#62
4-Bromofluorobenzene
Concen: 45.65 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

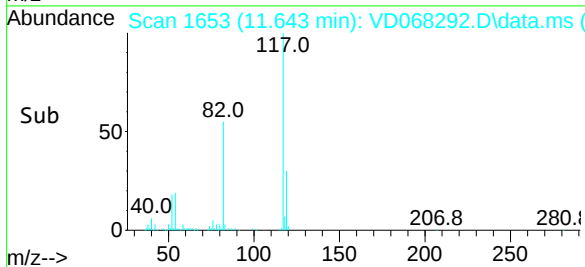
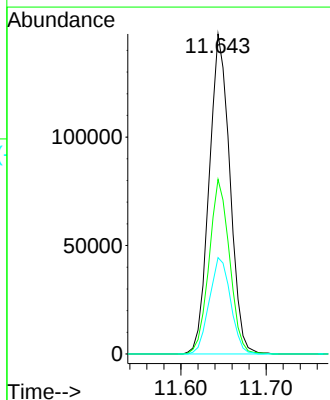
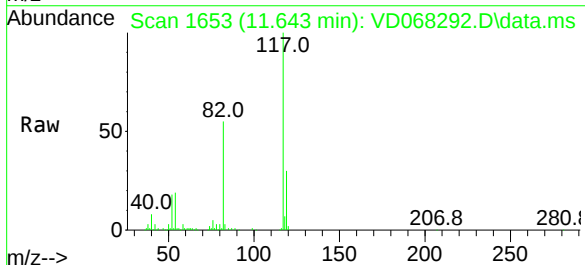
Instrument :
MSVOA_D
ClientSampleId :

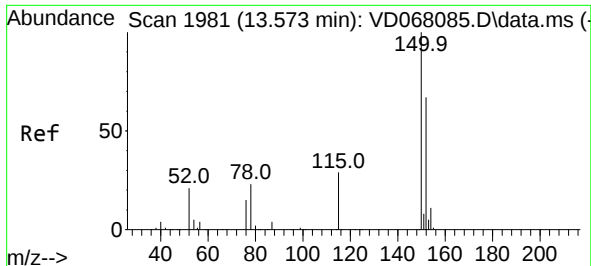
Tgt Ion: 95 Resp: 103077
Ion Ratio Lower Upper
95 100
174 79.6 0.0 172.4
176 75.8 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

Tgt Ion: 117 Resp: 249497
Ion Ratio Lower Upper
117 100
82 54.5 41.4 62.0
119 30.1 26.1 39.1

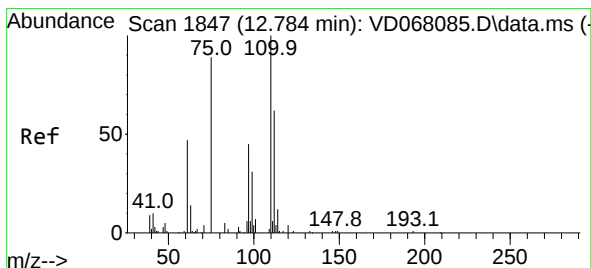
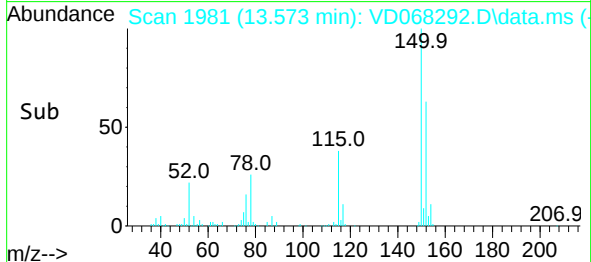
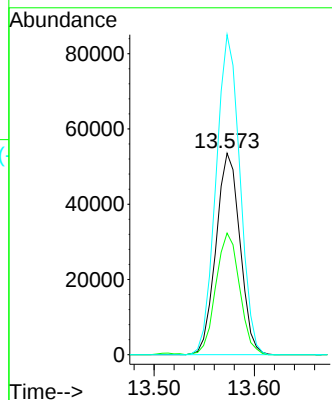
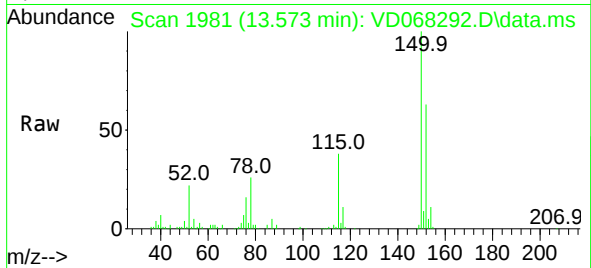




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

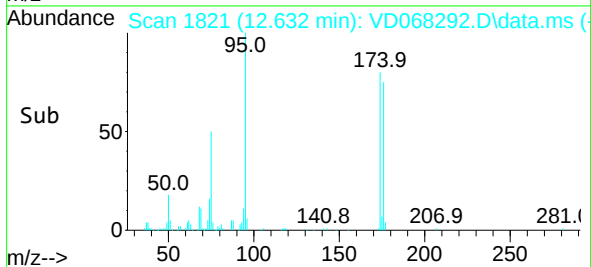
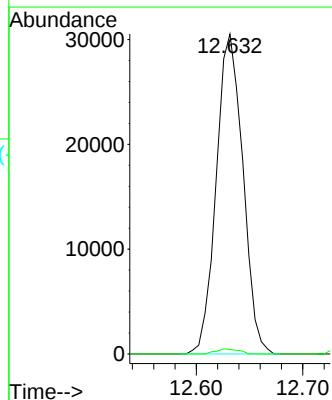
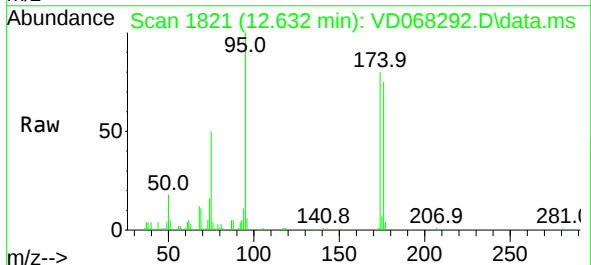
Instrument :
MSVOA_D
ClientSampleId :

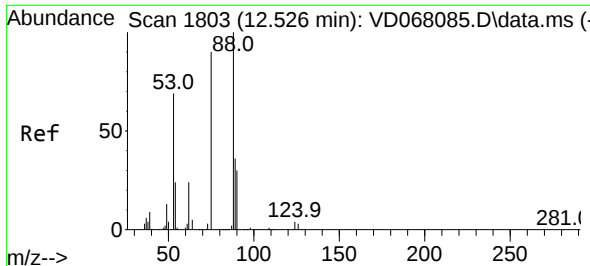
Tgt Ion:152 Resp: 88825
Ion Ratio Lower Upper
152 100
115 59.9 28.9 86.8
150 158.2 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 61.63 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

Tgt Ion: 75 Resp: 52928
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

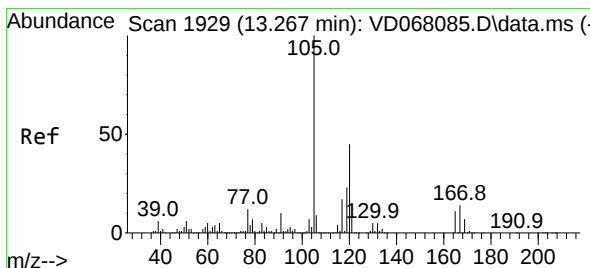
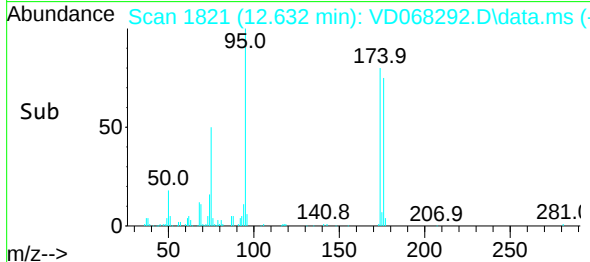
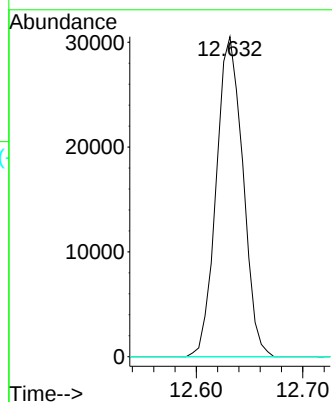
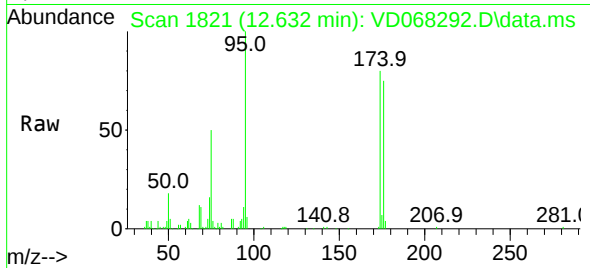




#81
trans-1,4-Dichloro-2-butene
Concen: 124.71 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

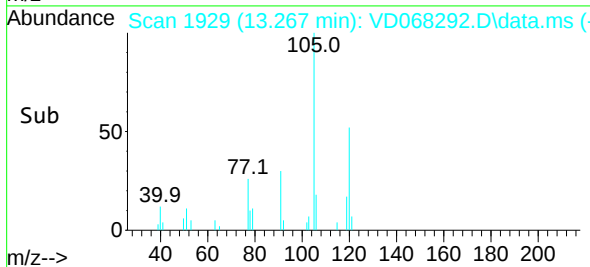
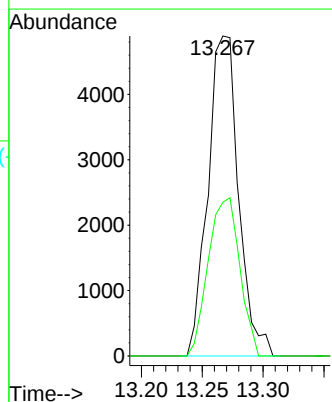
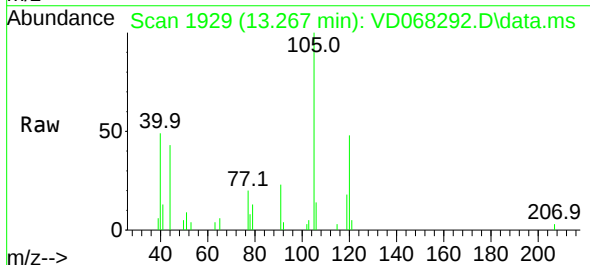
Instrument :
MSVOA_D
ClientSampled :

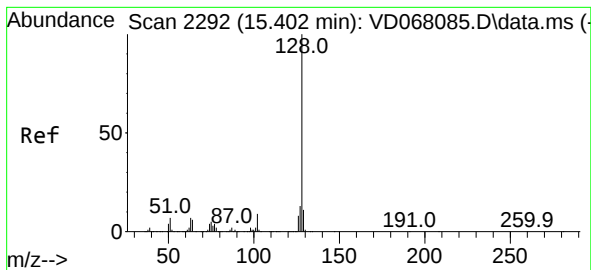
Tgt Ion: 75 Resp: 52928
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#



#84
1,2,4-Trimethylbenzene
Concen: 1.40 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

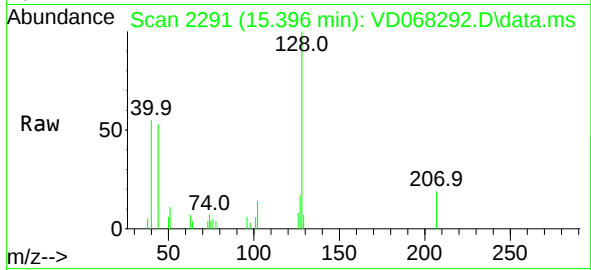
Tgt Ion: 105 Resp: 8567
Ion Ratio Lower Upper
105 100
120 50.7 22.4 67.0





#95
Naphthalene
Concen: 2.30 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.006 min
Lab File: VD068292.D
Acq: 04 Feb 2021 22:18

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 7700
Ion Ratio Lower Upper
128 100
127 14.2 10.2 15.2
129 6.7 8.8 13.2#

