

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
 Data File : VD068179.D
 Acq On : 25 Jan 2021 20:28
 Operator : VA/SY
 Sample : M1234-01
 Misc : 6.67G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 26 00:11:13 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	615787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1065992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	919617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	375543	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	330162	56.05	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.10%
35) Dibromofluoromethane	7.920	113	319279	54.18	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.36%
50) Toluene-d8	10.344	98	1314181	55.75	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	111.50%
62) 4-Bromofluorobenzene	12.632	95	401499	47.30	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.60%

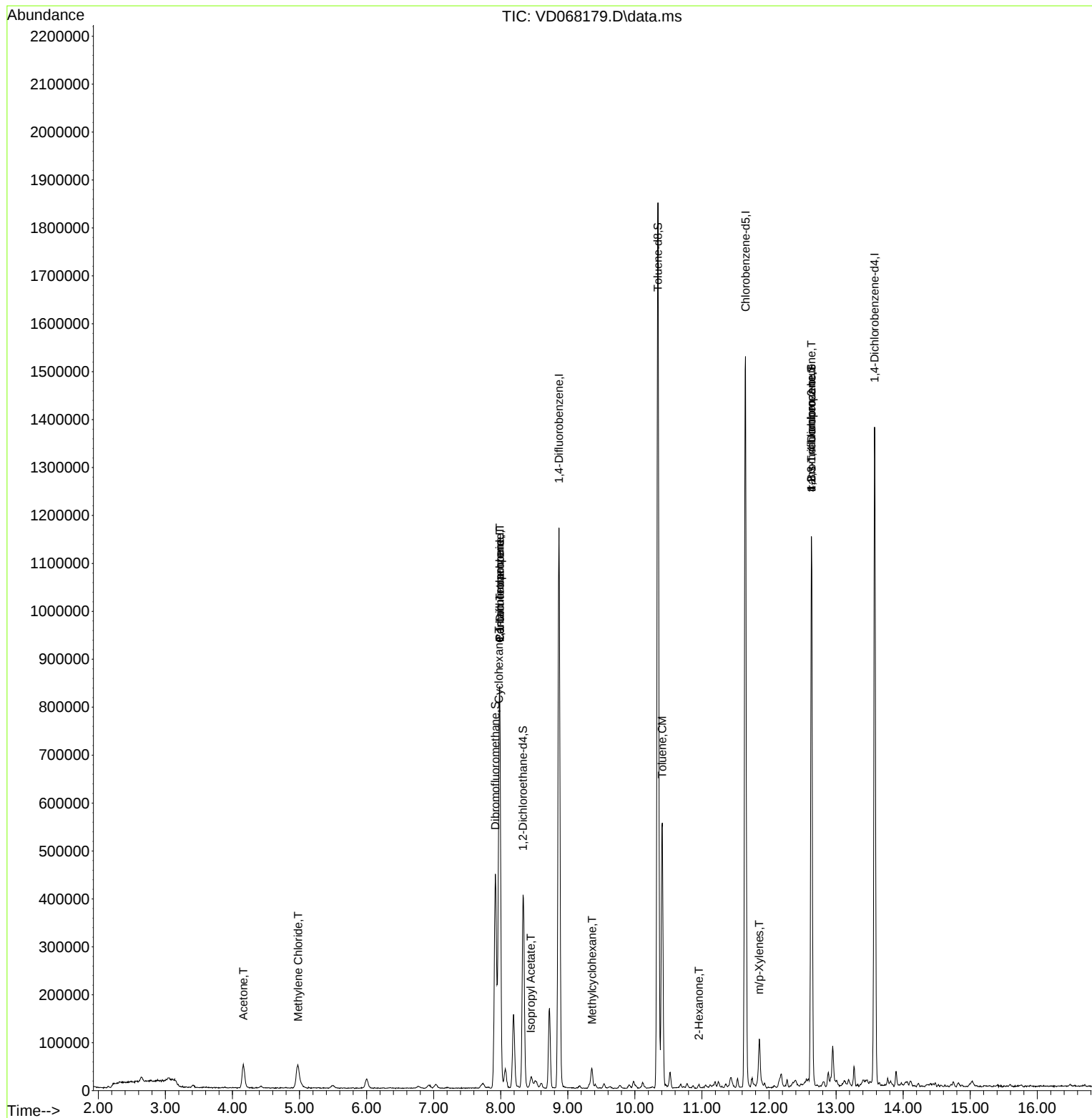
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.209	59	136	Below Cal	#	74
16) Acetone	4.162	43	85595	81.38	ug/l	99
20) Methylene Chloride	4.979	84	38010	1.27	ug/l	96
31) Cyclohexane	7.973	56	35329	2.77	ug/l	# 72
36) 1,1-Dichloropropene	7.985	75	47864	4.45	ug/l	# 47
38) Carbon Tetrachloride	7.985	117	60637	6.03	ug/l	# 16
39) Methylcyclohexane	9.361	83	17160	1.22	ug/l	97
43) Isopropyl Acetate	8.450	43	11805	1.49	ug/l	# 46
52) Toluene	10.408	92	248076	12.67	ug/l	95
59) 2-Hexanone	10.955	43	3133	1.23	ug/l	# 22
68) m/p-Xylenes	11.855	106	16478	1.21	ug/l	93
76) 1,2,3-Trichloropropane	12.632	75	201310	55.44	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.632	75	201310	112.19	ug/l	# 13

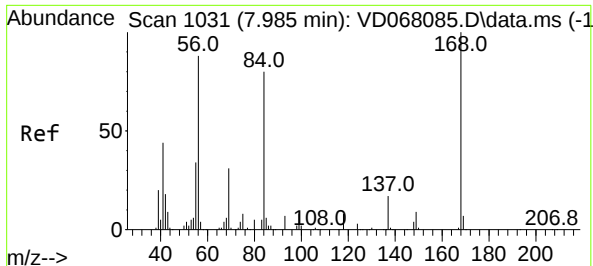
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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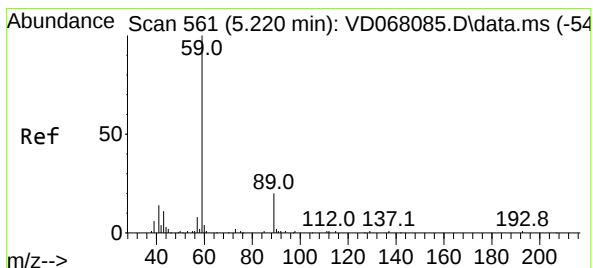
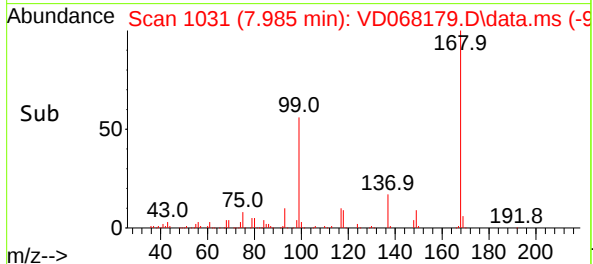
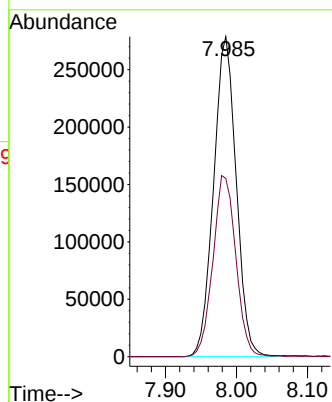
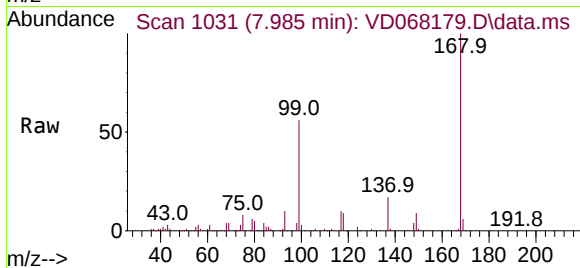




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

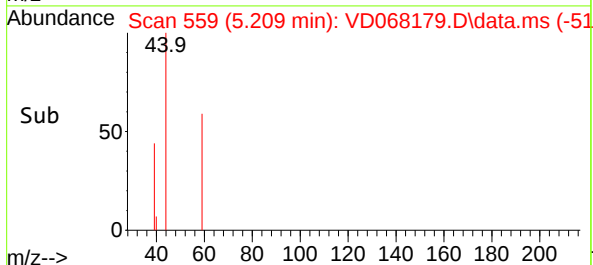
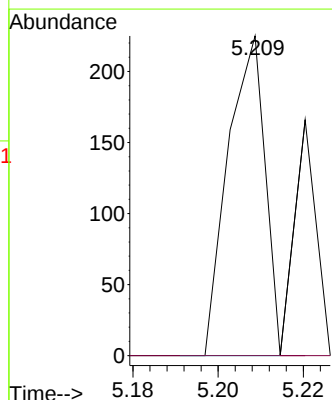
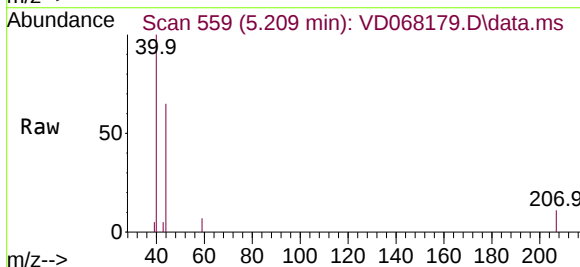
Instrument :
MSVOA_D
ClientSampleId :

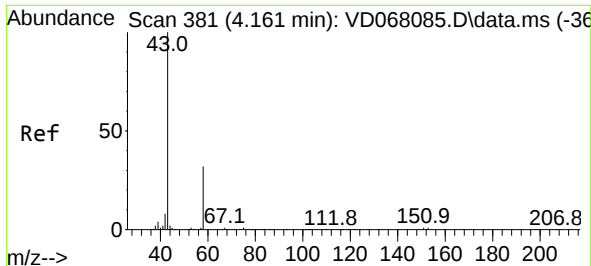
Tgt Ion:168 Resp: 615787
Ion Ratio Lower Upper
168 100
99 55.7 43.5 65.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

Tgt Ion: 59 Resp: 136
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

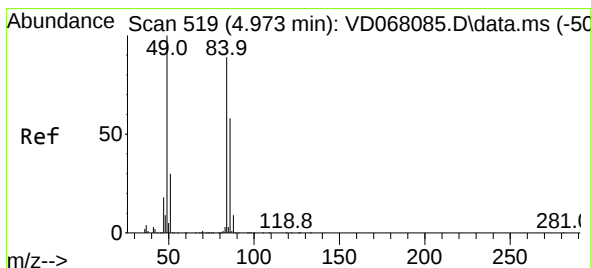
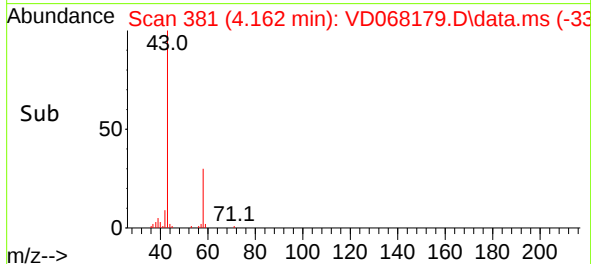
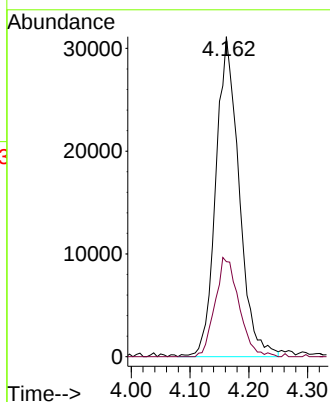
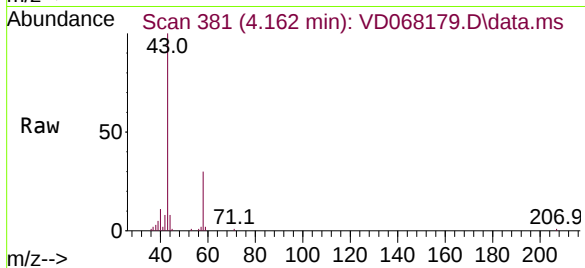




#16
Acetone
Concen: 81.38 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

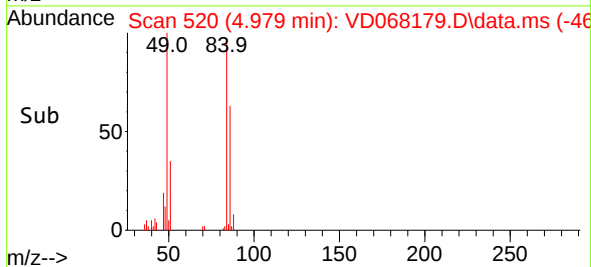
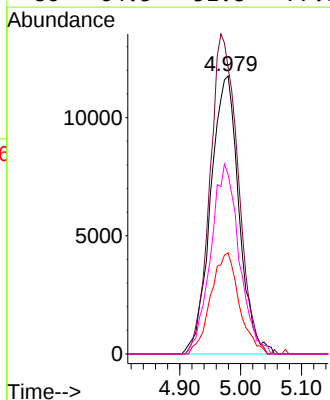
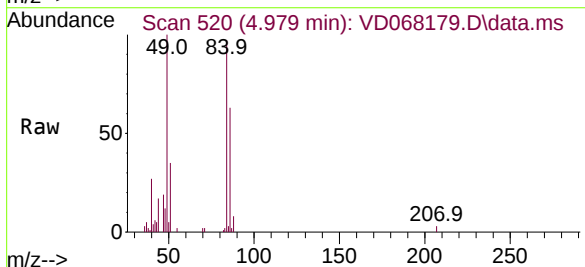
Instrument :
MSVOA_D
ClientSampleId :

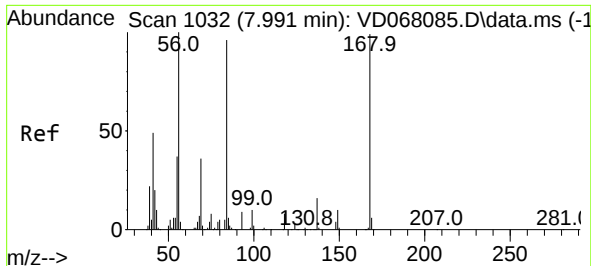
Tgt Ion: 43 Resp: 85595
Ion Ratio Lower Upper
43 100
58 29.7 24.2 36.4



#20
Methylene Chloride
Concen: 1.27 ug/l
RT: 4.979 min Scan# 520
Delta R.T. 0.006 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

Tgt Ion: 84 Resp: 38010
Ion Ratio Lower Upper
84 100
49 102.9 77.4 116.2
51 36.3 26.1 39.1
86 64.5 51.8 77.8

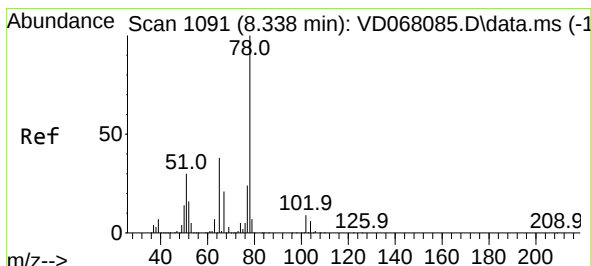
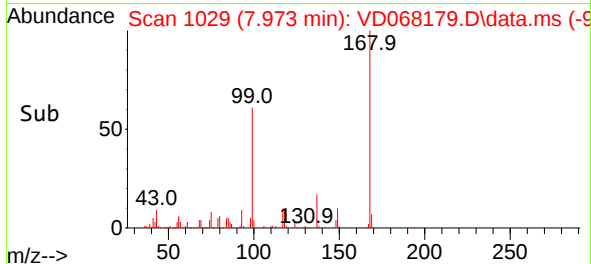
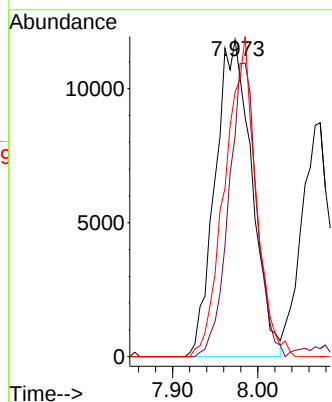
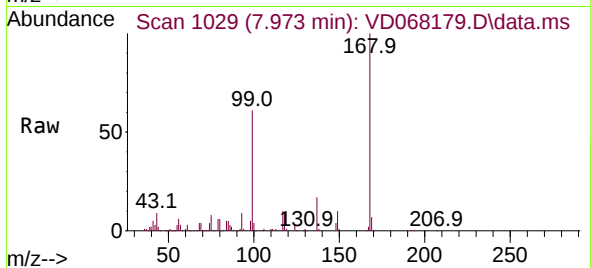




#31
Cyclohexane
Concen: 2.77 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.017 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

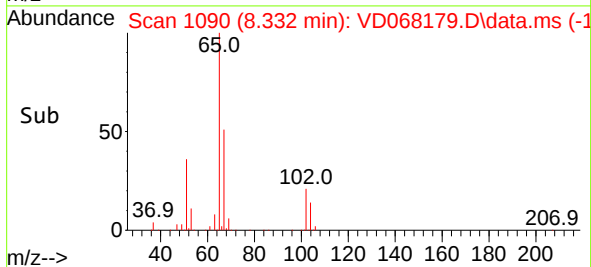
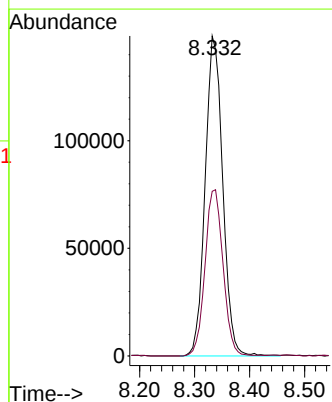
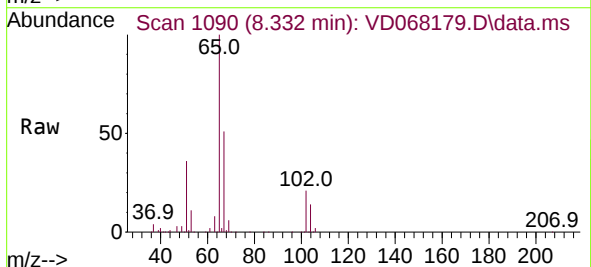
Instrument :
MSVOA_D
ClientSampled :

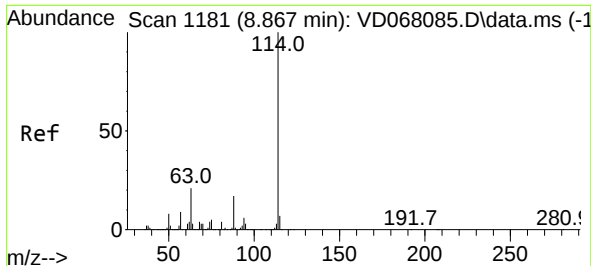
Tgt Ion: 56 Resp: 35329
Ion Ratio Lower Upper
56 100
69 69.5 30.1 45.1#
84 83.5 82.1 123.1



#33
1,2-Dichloroethane-d4
Concen: 56.05 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

Tgt Ion: 65 Resp: 330162
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.0

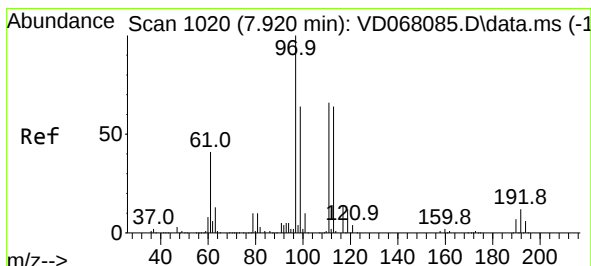
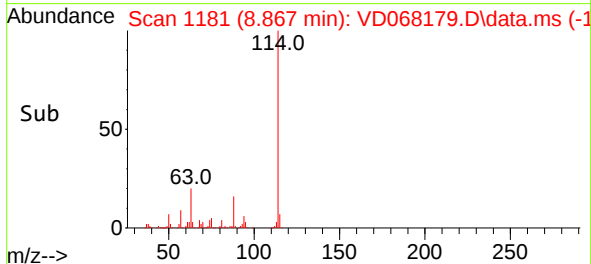
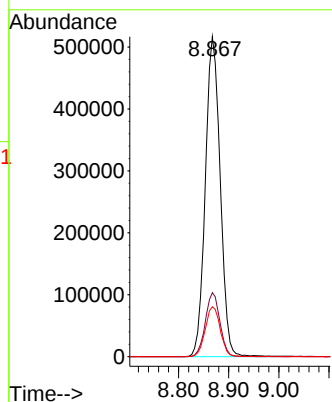
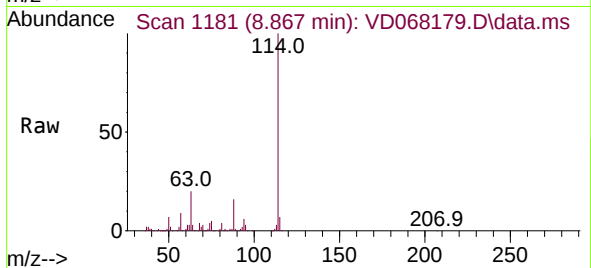




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

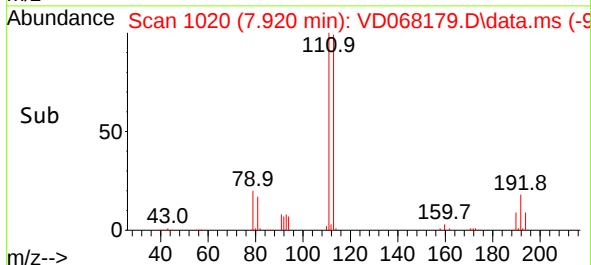
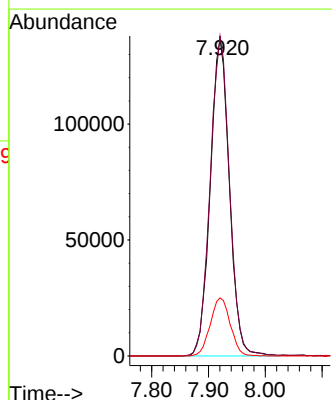
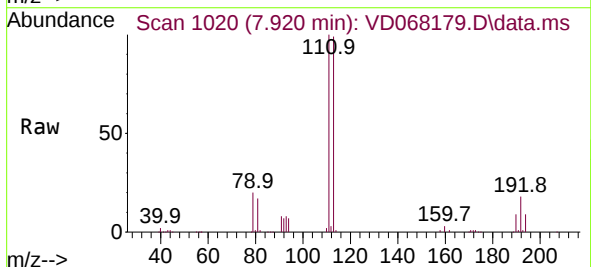
Instrument :
MSVOA_D
ClientSampled :

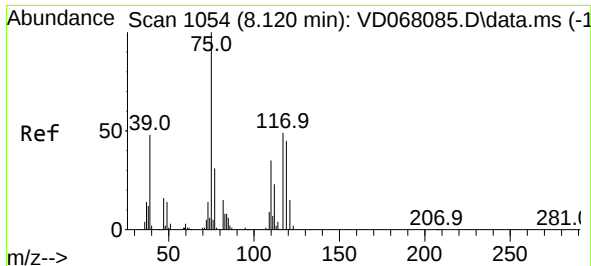
Tgt Ion:114 Resp: 1065992
Ion Ratio Lower Upper
114 100
63 20.0 0.0 34.8
88 15.6 0.0 31.6



#35
Dibromofluoromethane
Concen: 54.18 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

Tgt Ion:113 Resp: 319279
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 19.1 16.1 24.1

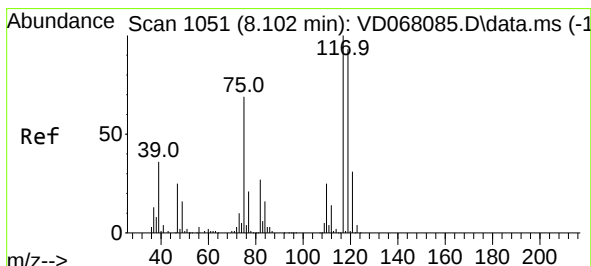
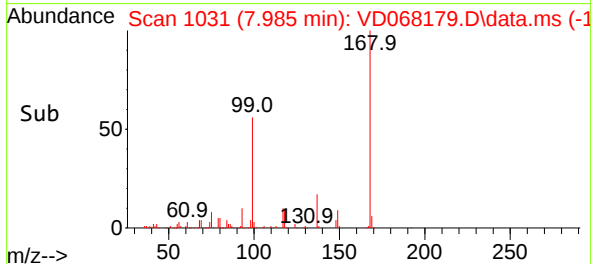
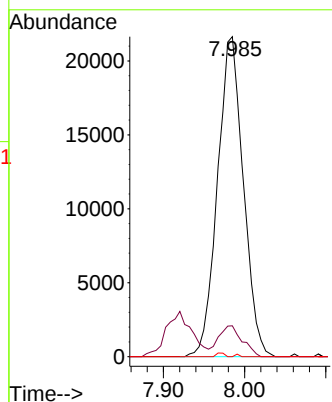
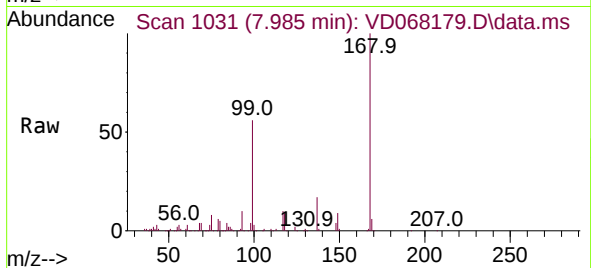




#36
1,1-Dichloropropene
Concen: 4.45 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.135 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

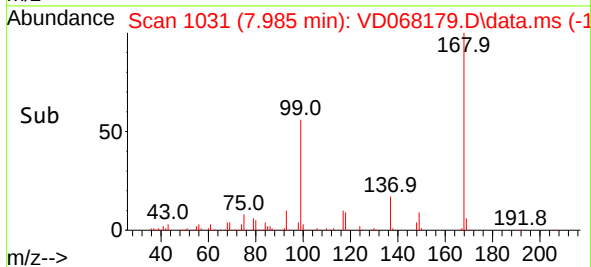
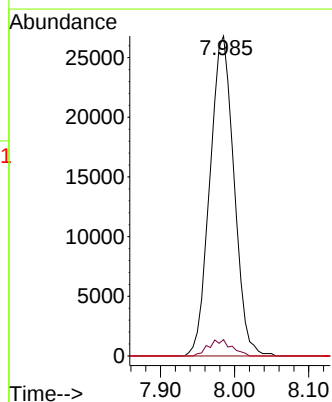
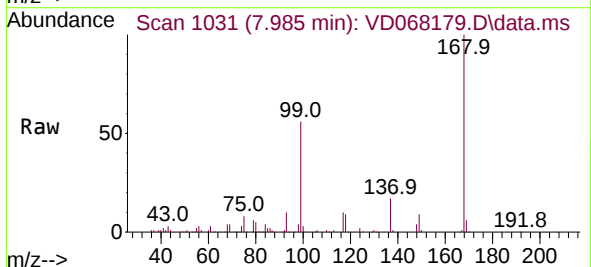
Instrument :
MSVOA_D
ClientSampleId :

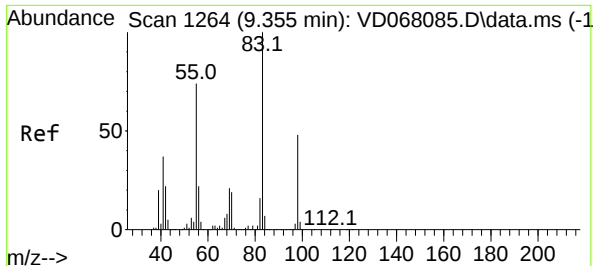
Tgt Ion: 75 Resp: 47864
Ion Ratio Lower Upper
75 100
110 8.9 19.4 58.2#
77 0.1 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.03 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

Tgt Ion: 117 Resp: 60637
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 1.22 ug/l

RT: 9.361 min Scan# 1265

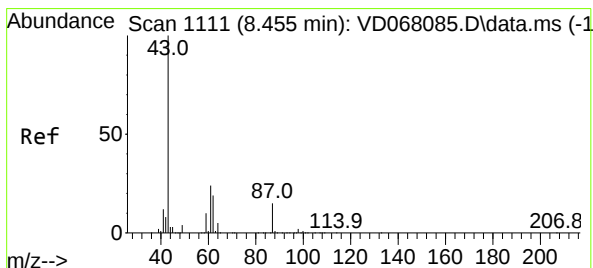
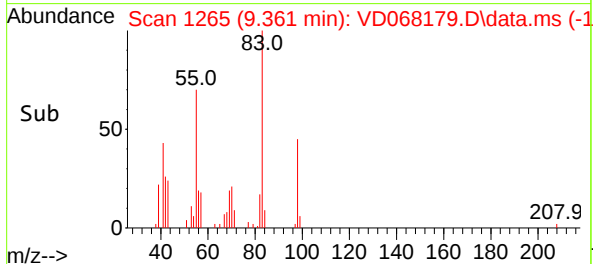
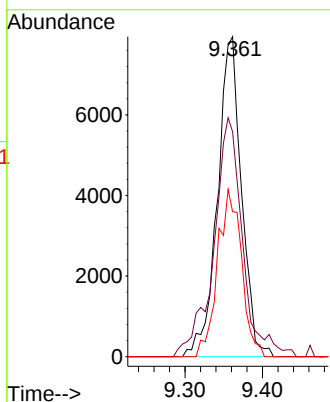
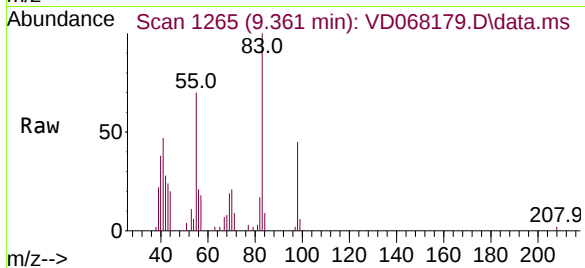
Delta R.T. 0.006 min

Lab File: VD068179.D

Acq: 25 Jan 2021 20:28

Tgt Ion: 83 Resp: 17160

Ion	Ratio	Lower	Upper
83	100		
55	68.0	55.2	82.8
98	45.3	39.1	58.7



#43

Isopropyl Acetate

Concen: 1.49 ug/l

RT: 8.450 min Scan# 1110

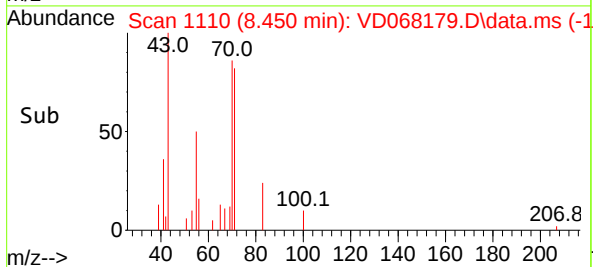
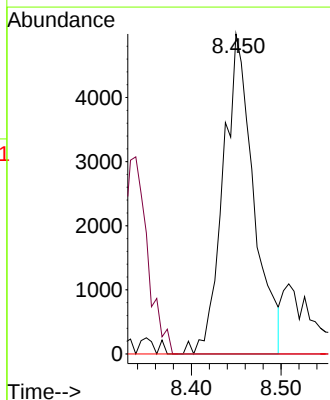
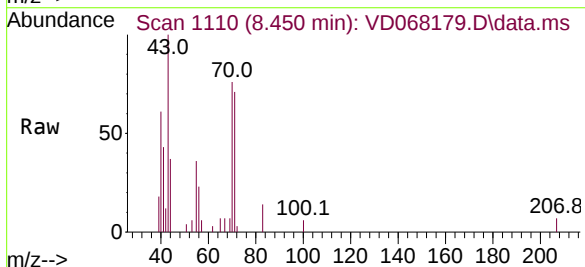
Delta R.T. -0.006 min

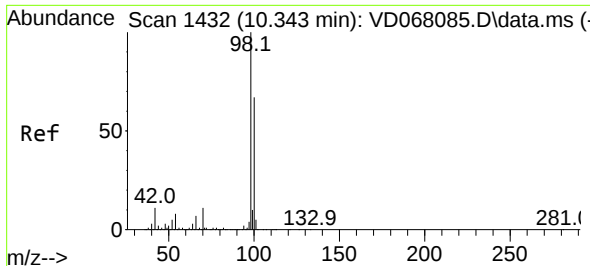
Lab File: VD068179.D

Acq: 25 Jan 2021 20:28

Tgt Ion: 43 Resp: 11805

Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.7	43.1#
87	0.0	13.9	20.9#

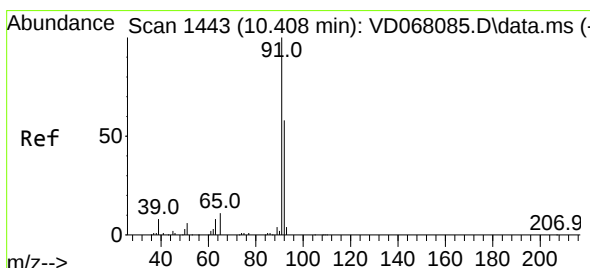
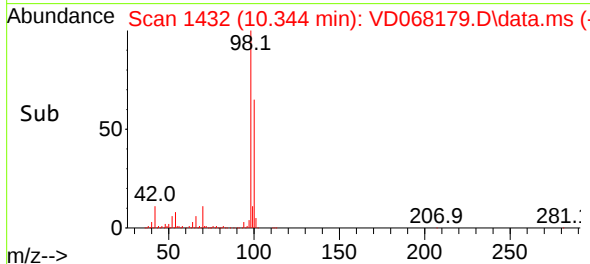
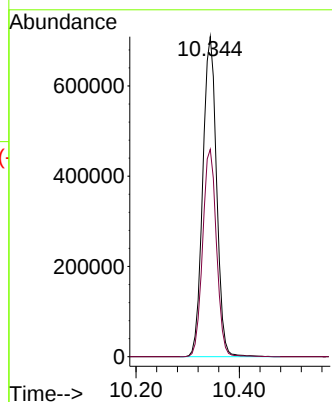
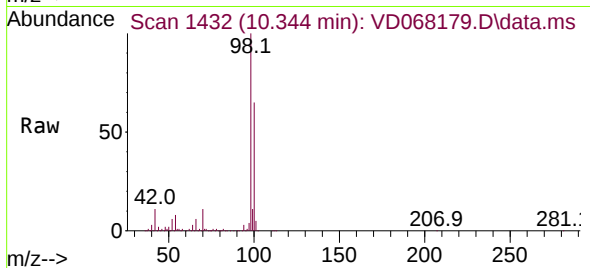




#50
Toluene-d8
Concen: 55.75 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

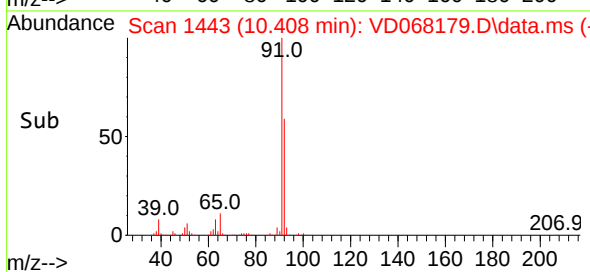
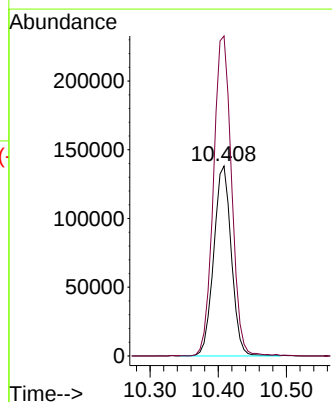
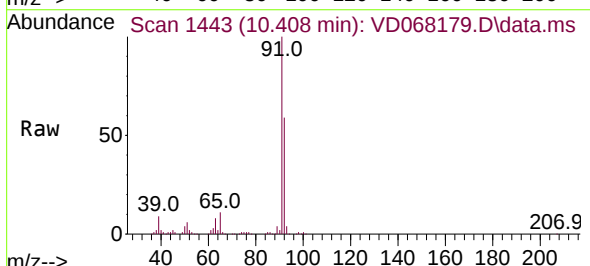
Instrument :
MSVOA_D
ClientSampled :

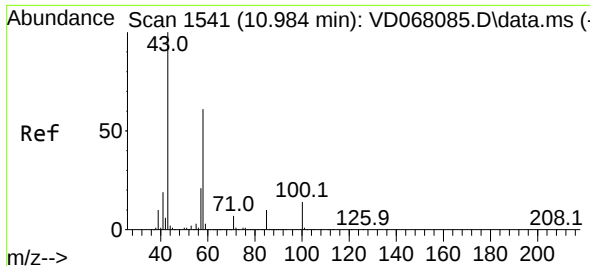
Tgt Ion: 98 Resp: 1314181
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.4



#52
Toluene
Concen: 12.67 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

Tgt Ion: 92 Resp: 248076
Ion Ratio Lower Upper
92 100
91 174.1 134.1 201.1

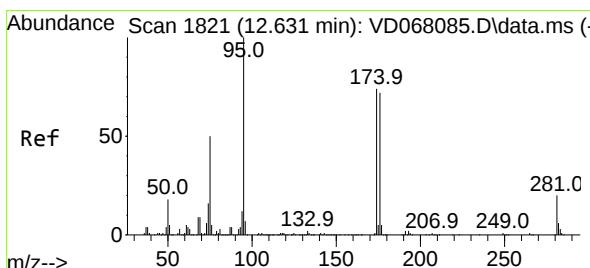
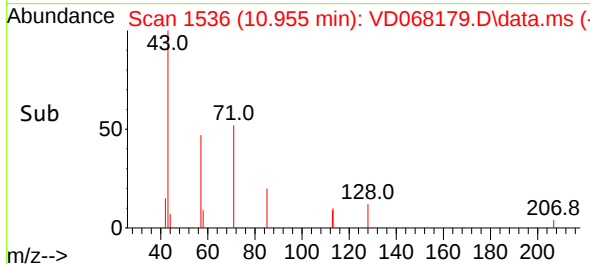
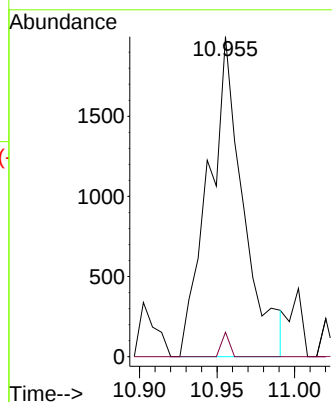
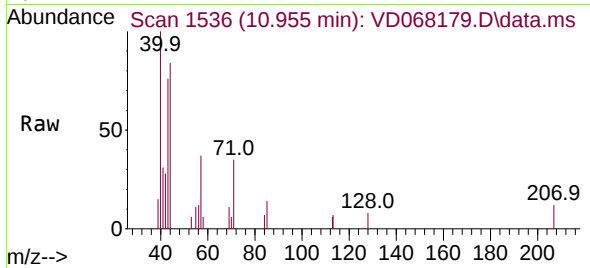




#59
2-Hexanone
Concen: 1.23 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.029 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

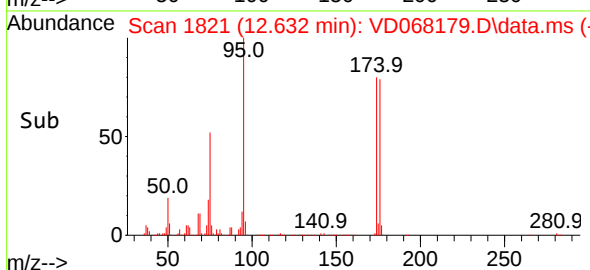
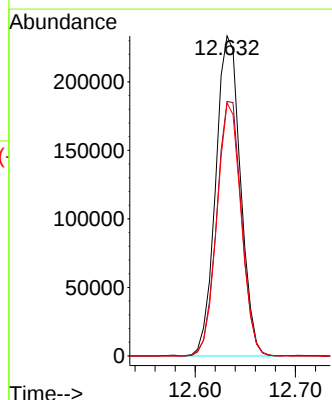
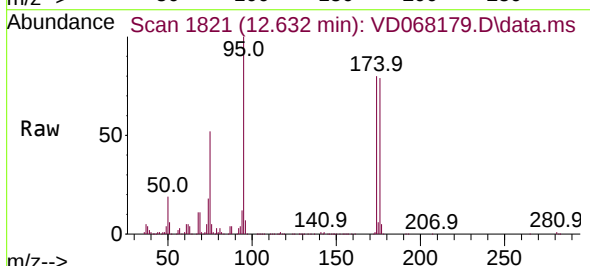
Instrument :
MSVOA_D
ClientSampled :

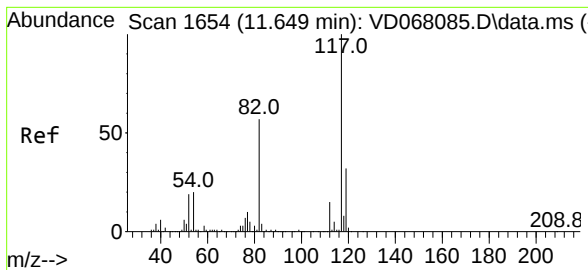
Tgt Ion: 43 Resp: 3133
Ion Ratio Lower Upper
43 100
58 1.7 31.0 93.0#



#62
4-Bromofluorobenzene
Concen: 47.30 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

Tgt Ion: 95 Resp: 401499
Ion Ratio Lower Upper
95 100
174 79.3 0.0 172.4
176 77.2 0.0 168.4

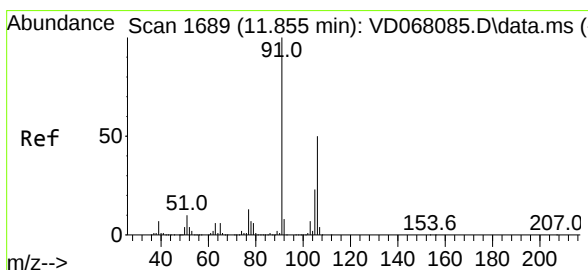
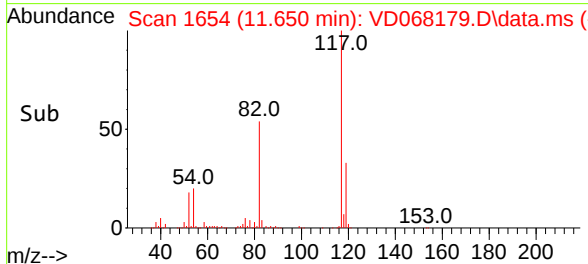
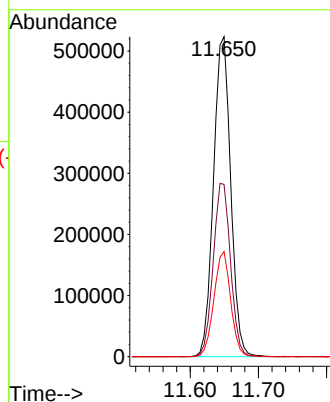
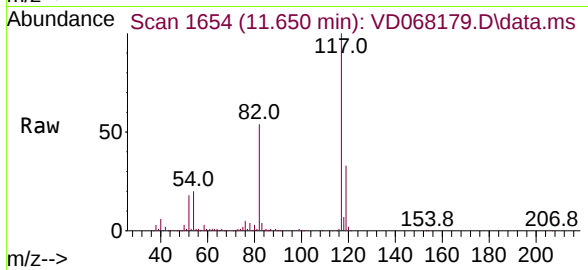




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.650 min Scan# 1654
Delta R.T. 0.001 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

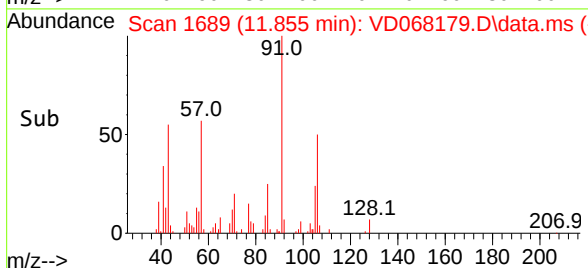
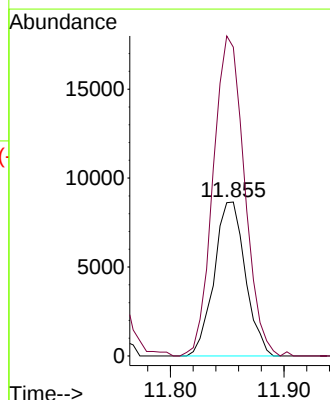
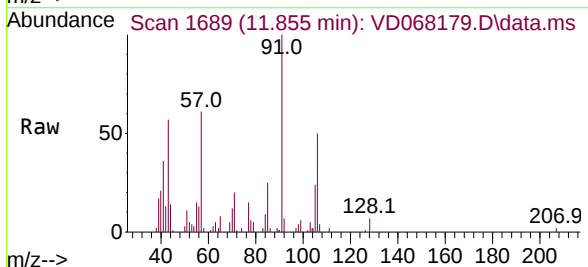
Instrument :
MSVOA_D
ClientSampleId :

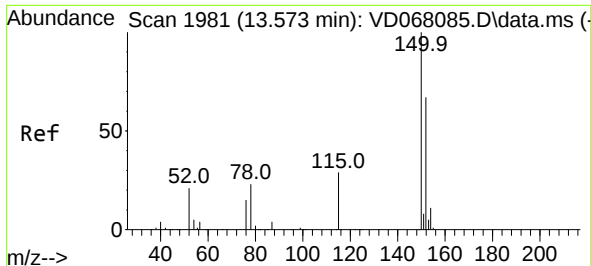
Tgt Ion:117 Resp: 919617
Ion Ratio Lower Upper
117 100
82 53.8 41.4 62.0
119 32.9 26.1 39.1



#68
m/p-Xylenes
Concen: 1.21 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VD068179.D
Acq: 25 Jan 2021 20:28

Tgt Ion:106 Resp: 16478
Ion Ratio Lower Upper
106 100
91 209.6 159.1 238.7

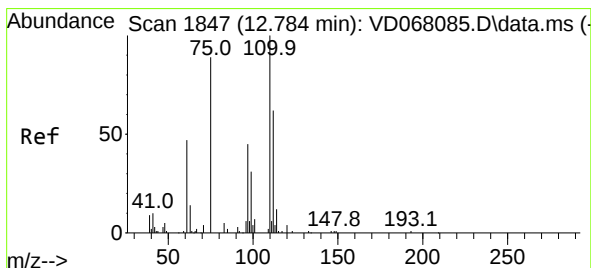
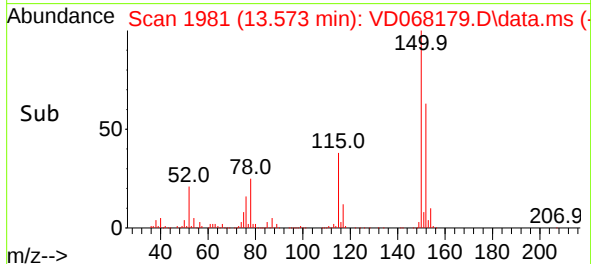
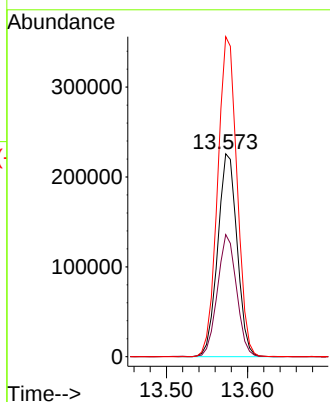
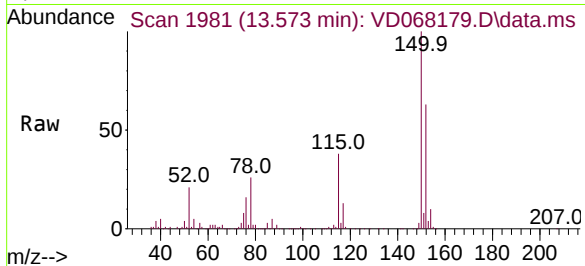




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: VD068179.D
 Acq: 25 Jan 2021 20:28

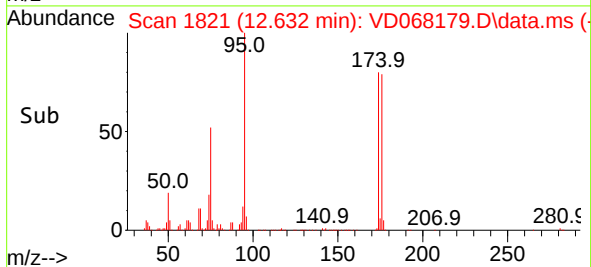
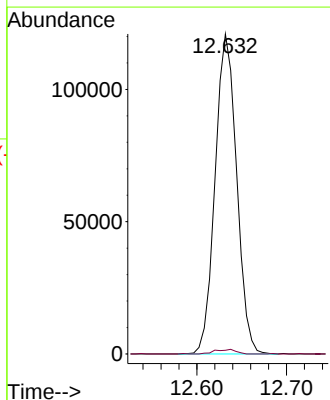
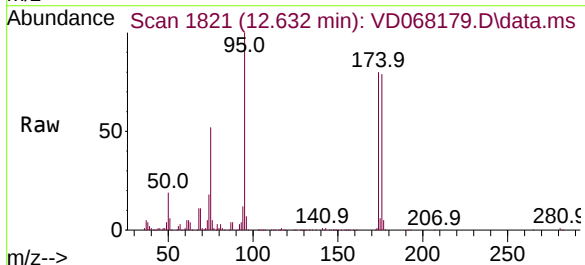
Instrument :
 MSVOA_D
 ClientSampled :

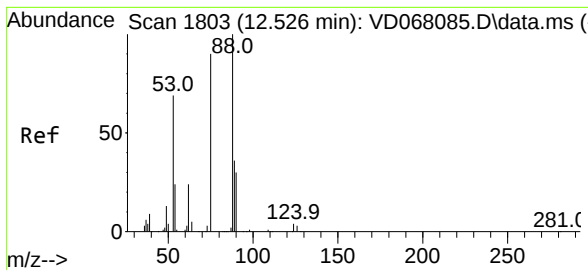
Tgt Ion:152 Resp: 375543
 Ion Ratio Lower Upper
 152 100
 115 59.3 28.9 86.8
 150 157.4 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 55.44 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.153 min
 Lab File: VD068179.D
 Acq: 25 Jan 2021 20:28

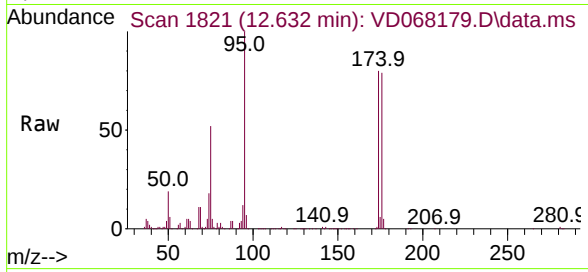
Tgt Ion: 75 Resp: 201310
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.19 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068179.D
 Acq: 25 Jan 2021 20:28

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 201310
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.2 105.2#
 89 0.0 40.3 60.5#

