

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041921\
 Data File : VD068903.D
 Acq On : 19 Apr 2021 17:02
 Operator : VA/SY
 Sample : M2077-05
 Misc : 5.16G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-20-14.5-15.0-DUP

Quant Time: Apr 20 00:53:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

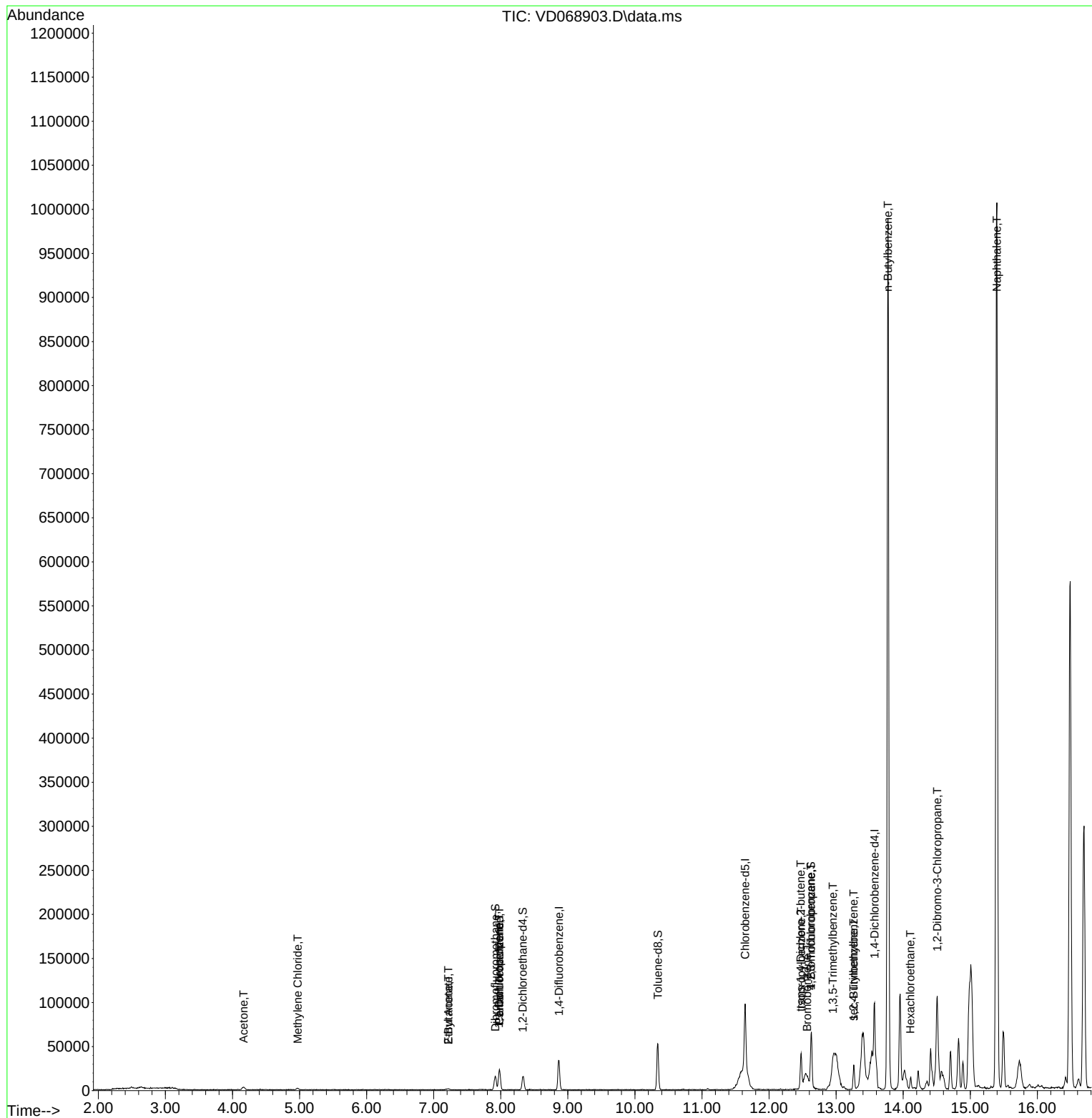
Internal Standards						
1) Pentafluorobenzene	7.979	168	18848	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	31690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	43073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	28183	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	13070	65.61	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	131.22%		
35) Dibromofluoromethane	7.920	113	11397	55.29	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	110.58%		
50) Toluene-d8	10.344	98	39499	50.80	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.60%		
62) 4-Bromofluorobenzene	12.626	95	19876	76.96	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	153.92%#		
Target Compounds						Qvalue
16) Acetone	4.167	43	5554	201.35	ug/l	# 83
20) Methylene Chloride	4.973	84	1559	2.40	ug/l	# 83
25) 2-Butanone	7.220	43	1549	39.68	ug/l	# 82
36) 1,1-Dichloropropene	7.973	75	1344	4.19	ug/l	# 41
37) Ethyl Acetate	7.220	43	1549	16.44	ug/l	# 64
38) Carbon Tetrachloride	7.979	117	1646	5.18	ug/l	# 12
73) Isopropylbenzene	12.479	105	26044	12.66	ug/l	98
76) 1,2,3-Trichloropropane	12.626	75	10350	40.20	ug/l	# 100
77) Bromobenzene	12.567	156	17451	35.28	ug/l	# 1
80) 1,3,5-Trimethylbenzene	12.949	105	2213	1.29	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.473	75	426	3.84	ug/l	# 39
84) 1,2,4-Trimethylbenzene	13.261	105	16026	9.22	ug/l	96
85) sec-Butylbenzene	13.261	105	16026	7.78	ug/l	# 57
89) n-Butylbenzene	13.773	91	81603	46.05	ug/l	# 42
90) Hexachloroethane	14.108	117	918	2.45	ug/l	# 14
92) 1,2-Dibromo-3-Chloropr...	14.508	75	2687	45.96	ug/l	# 1
95) Naphthalene	15.396	128	916482	1002.57	ug/l	100

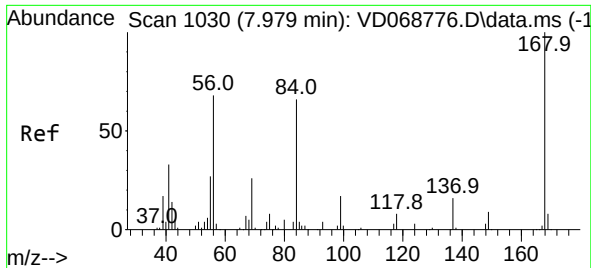
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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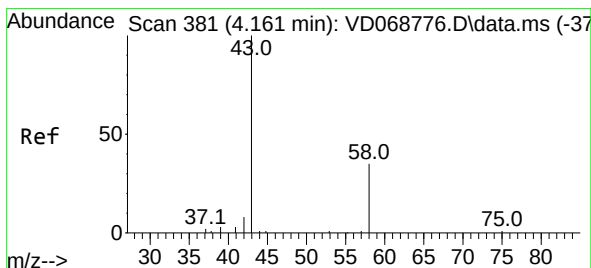
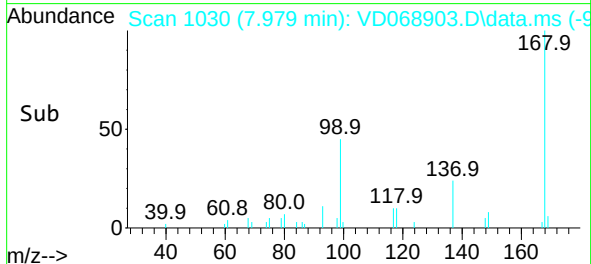
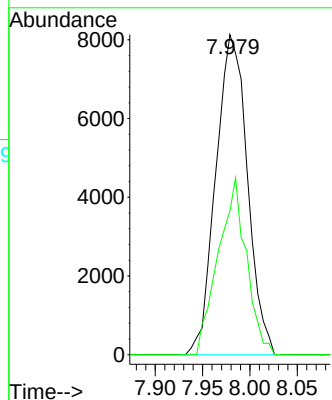
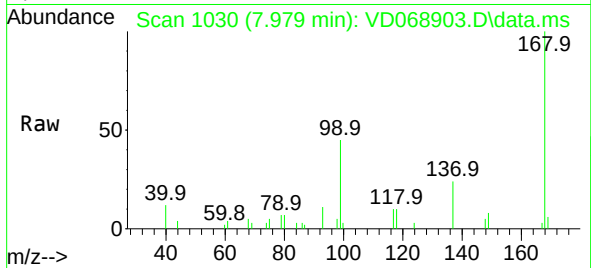




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

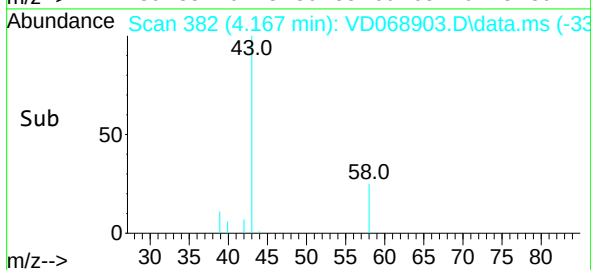
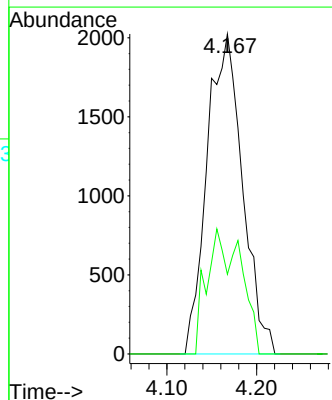
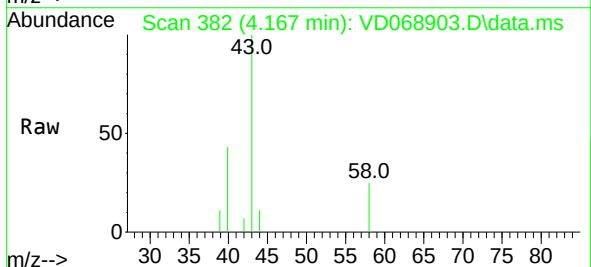
Instrument :
MSVOA_D
ClientSampleId :
SB-20-14.5-15.0-DUP

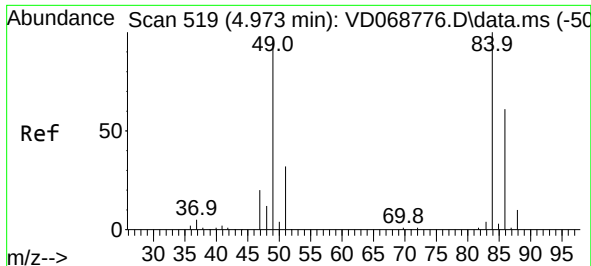
Tgt Ion:168 Resp: 18848
Ion Ratio Lower Upper
168 100
99 45.0 46.2 69.2#



#16
Acetone
Concen: 201.35 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

Tgt Ion: 43 Resp: 5554
Ion Ratio Lower Upper
43 100
58 24.9 28.0 42.0#

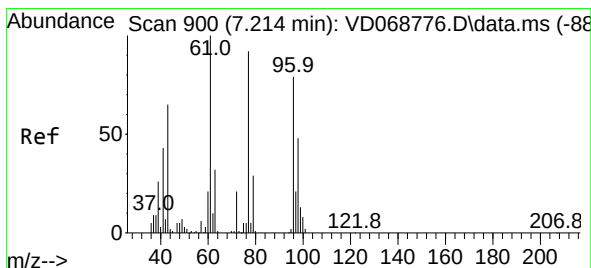
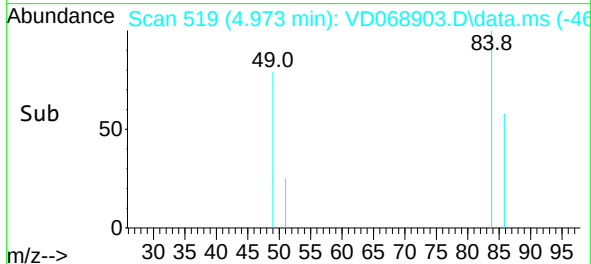
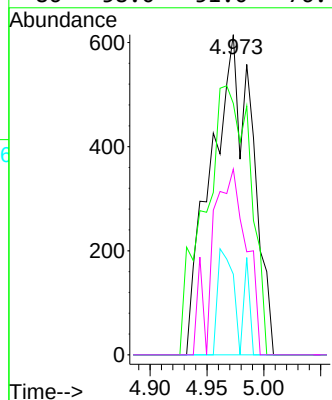
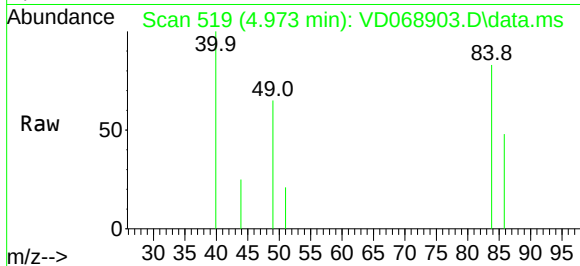




#20
Methylene Chloride
Concen: 2.40 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

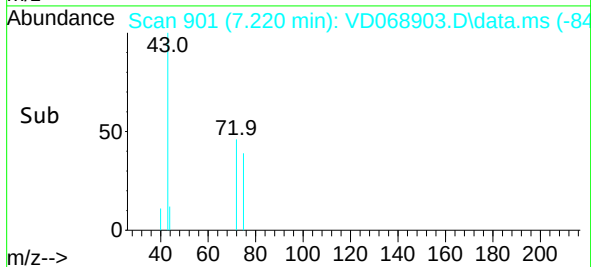
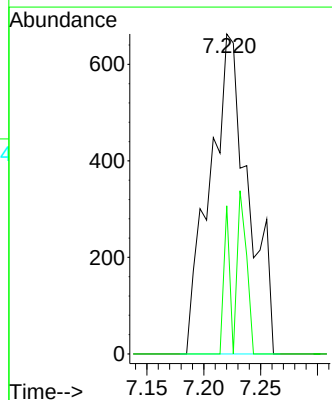
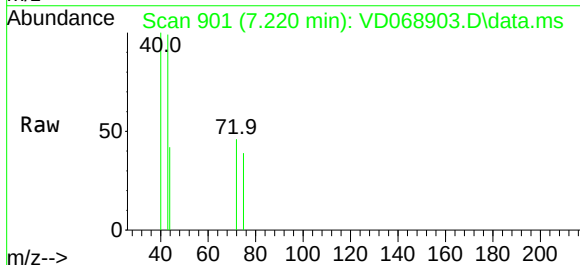
Instrument :
MSVOA_D
ClientSampleId :
SB-20-14.5-15.0-DUP

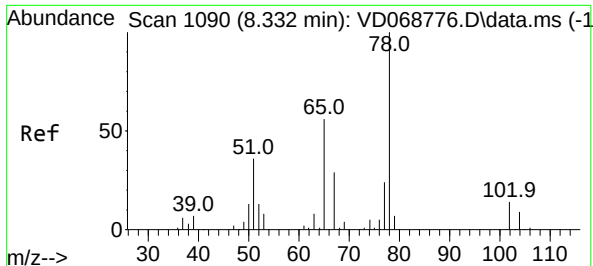
Tgt Ion:	84	Resp:	1559
Ion	Ratio	Lower	Upper
84	100		
49	78.5	83.4	125.0#
51	25.2	23.4	35.2
86	58.0	51.0	76.4



#25
2-Butanone
Concen: 39.68 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

Tgt Ion:	43	Resp:	1549
Ion	Ratio	Lower	Upper
43	100		
72	46.3	28.6	43.0#

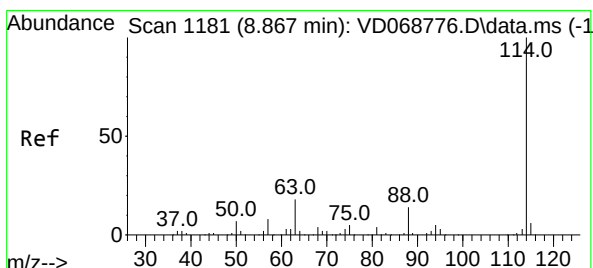
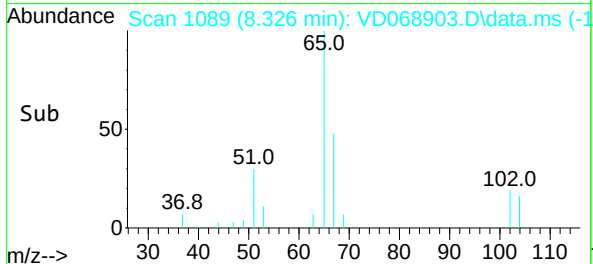
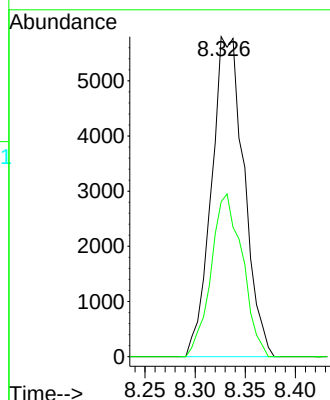
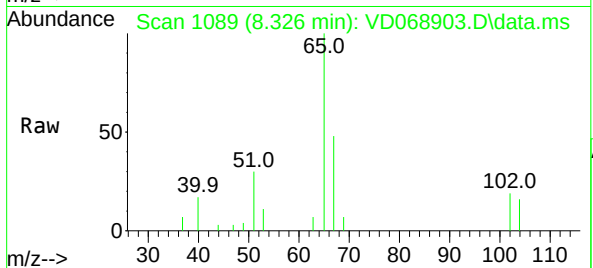




#33
 1,2-Dichloroethane-d4
 Concen: 65.61 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.006 min
 Lab File: VD068903.D
 Acq: 19 Apr 2021 17:02

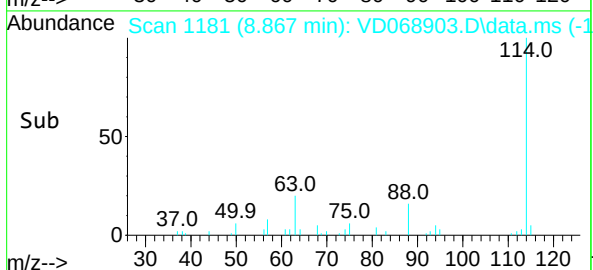
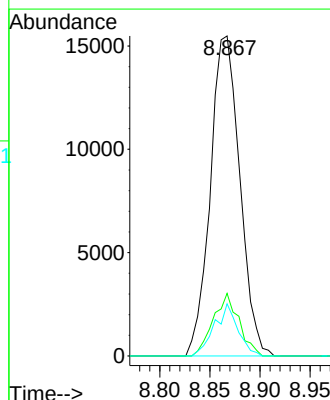
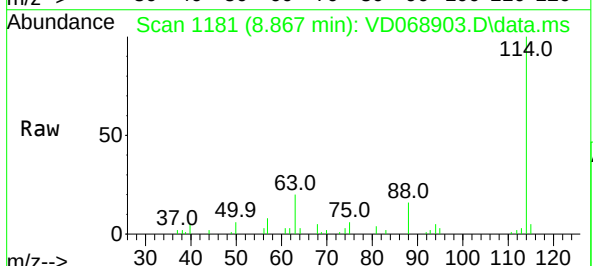
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-20-14.5-15.0-DUP

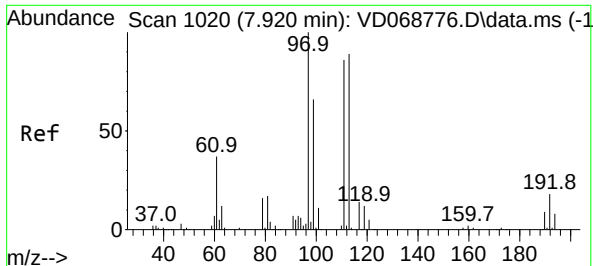
Tgt Ion: 65 Resp: 13070
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD068903.D
 Acq: 19 Apr 2021 17:02

Tgt Ion: 114 Resp: 31690
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.2
 88 16.3 0.0 29.4





#35

Dibromofluoromethane

Concen: 55.29 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068903.D

Acq: 19 Apr 2021 17:02

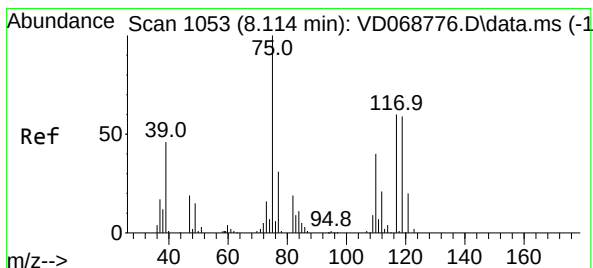
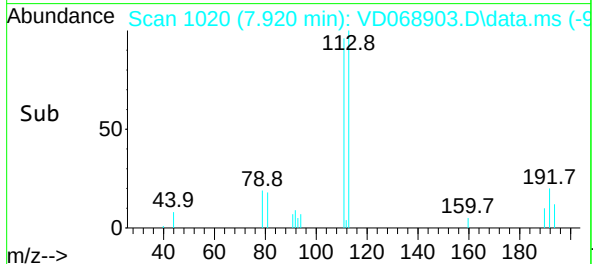
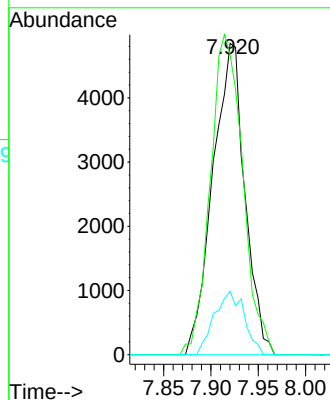
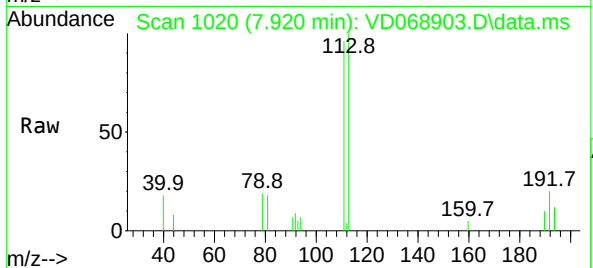
Tgt Ion:113 Resp: 11397

Ion Ratio Lower Upper

113 100

111 104.1 82.5 123.7

192 19.0 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.19 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD068903.D

Acq: 19 Apr 2021 17:02

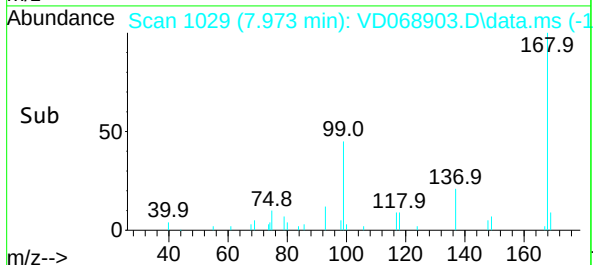
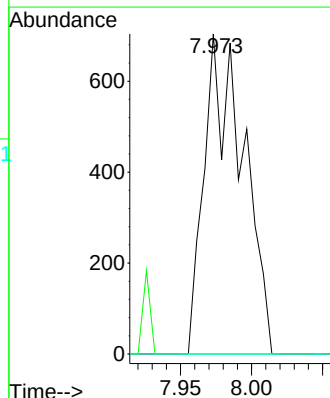
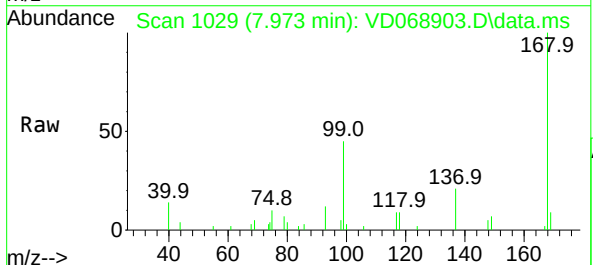
Tgt Ion: 75 Resp: 1344

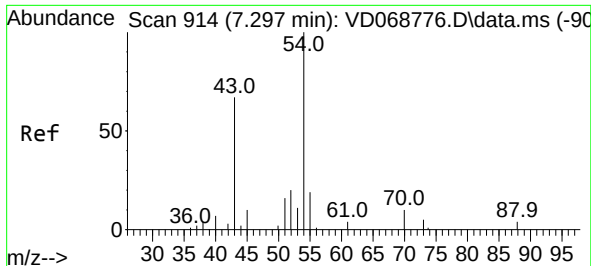
Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.4#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 16.44 ug/l

RT: 7.220 min Scan# 901

Delta R.T. -0.077 min

Lab File: VD068903.D

Acq: 19 Apr 2021 17:02

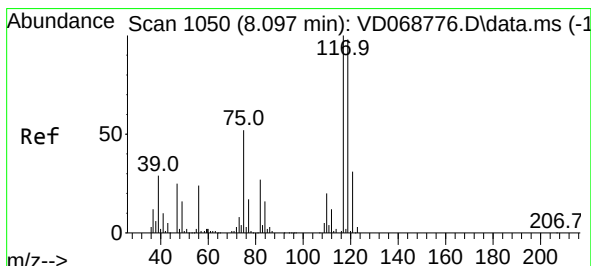
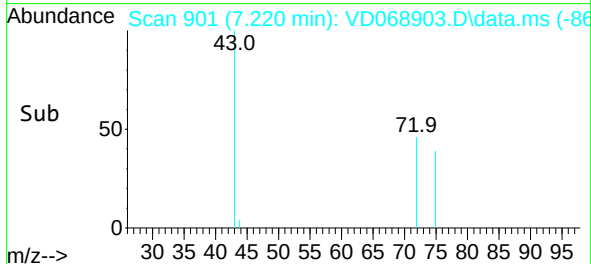
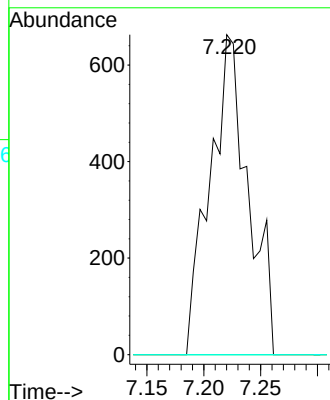
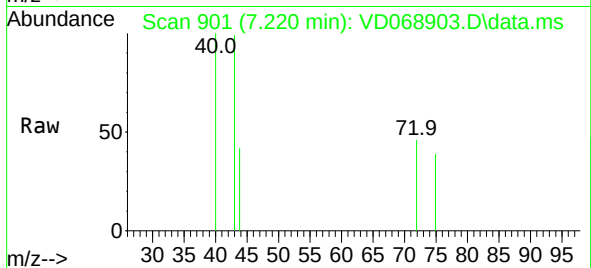
Instrument :

MSVOA_D

ClientSampleId :

SB-20-14.5-15.0-DUP

Tgt Ion: 43	Resp: 1549
Ion Ratio	Lower Upper
43 100	
61 0.0	14.2 21.4#
70 0.0	9.4 14.0#



#38

Carbon Tetrachloride

Concen: 5.18 ug/l

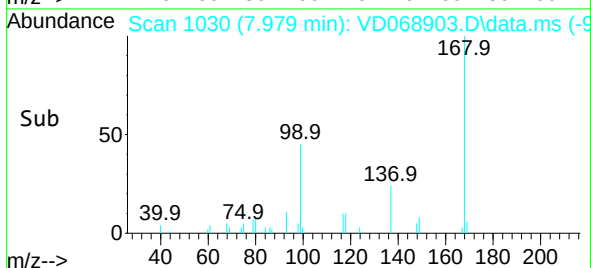
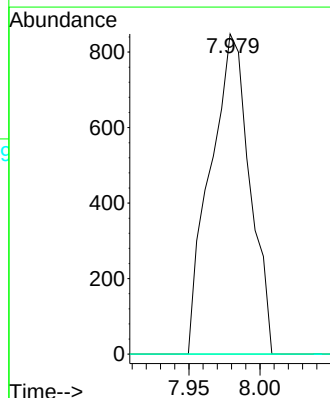
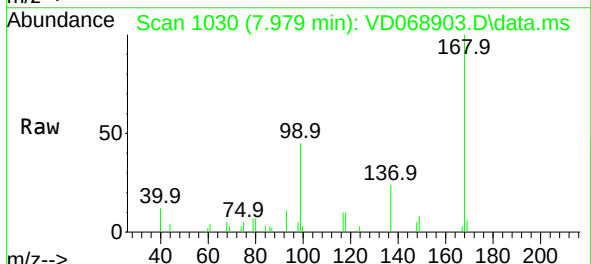
RT: 7.979 min Scan# 1030

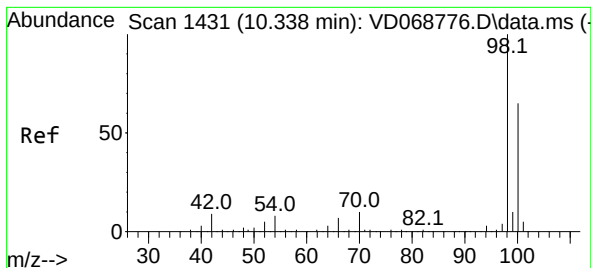
Delta R.T. -0.118 min

Lab File: VD068903.D

Acq: 19 Apr 2021 17:02

Tgt Ion: 117	Resp: 1646
Ion Ratio	Lower Upper
117 100	
119 0.0	76.6 115.0#
121 0.0	26.1 39.1#

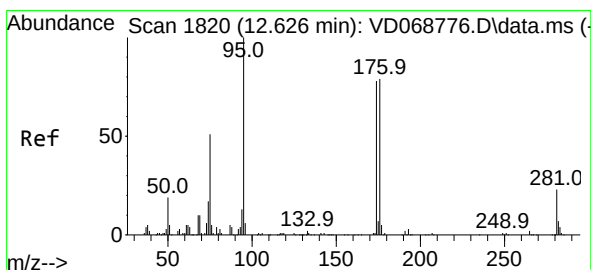
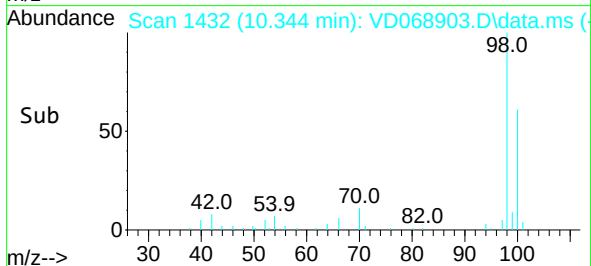
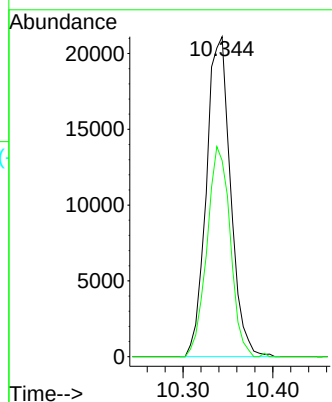
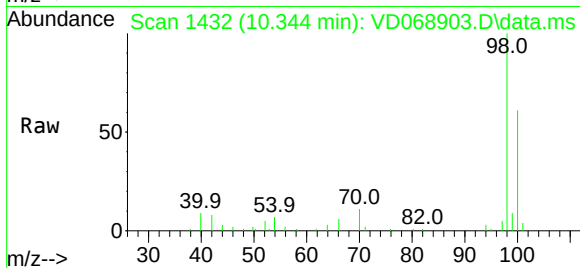




#50
Toluene-d8
Concen: 50.80 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

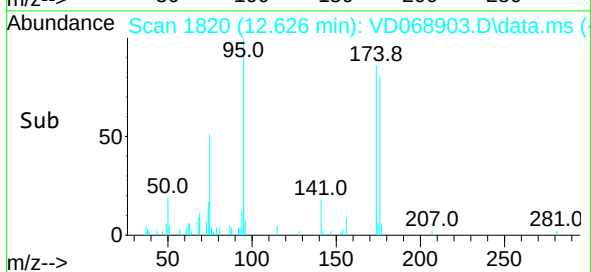
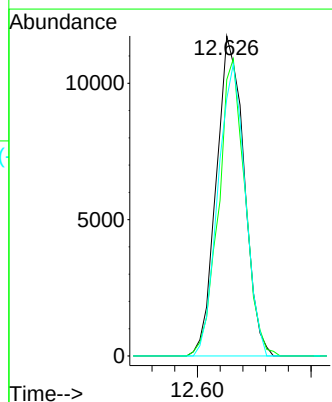
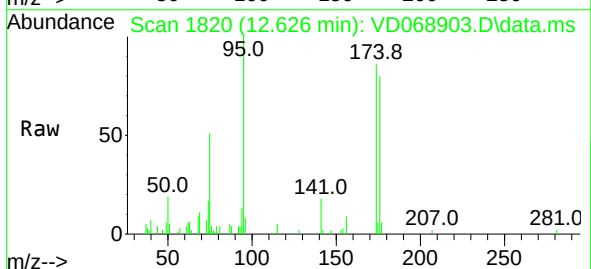
Instrument :
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ClientSampleId :
SB-20-14.5-15.0-DUP

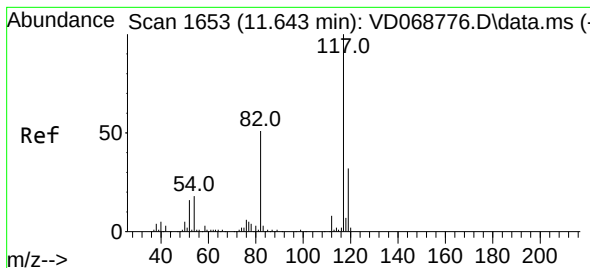
Tgt Ion: 98 Resp: 39499
Ion Ratio Lower Upper
98 100
100 62.9 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 76.96 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

Tgt Ion: 95 Resp: 19876
Ion Ratio Lower Upper
95 100
174 88.1 0.0 168.0
176 89.4 0.0 160.2

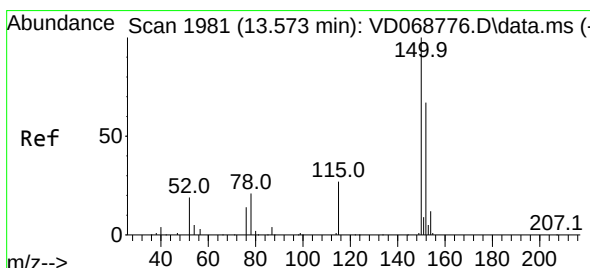
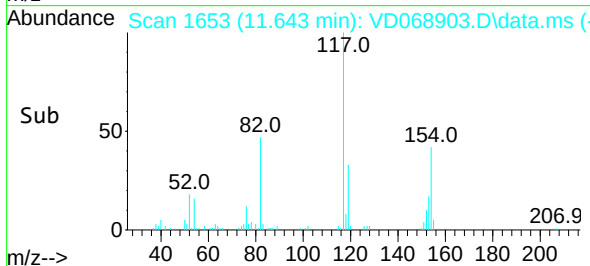
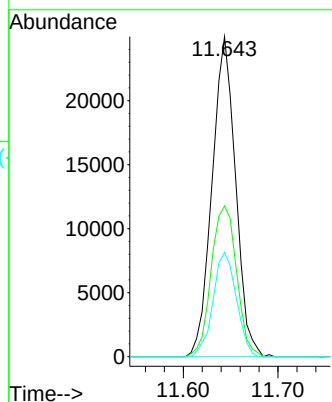
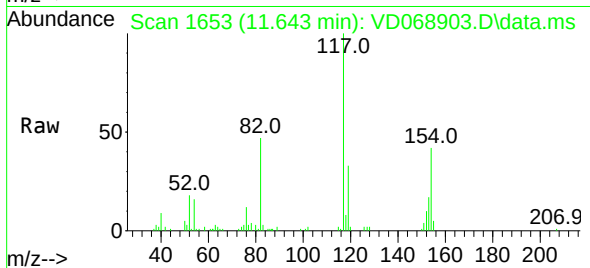




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

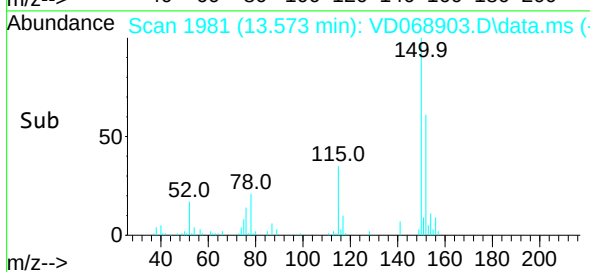
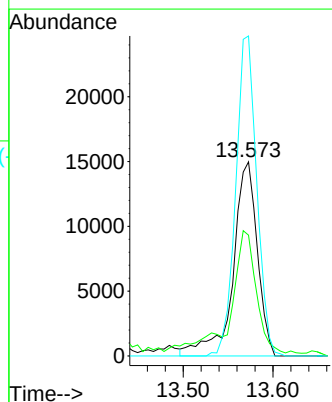
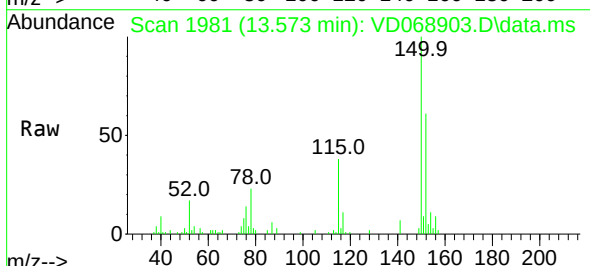
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SB-20-14.5-15.0-DUP

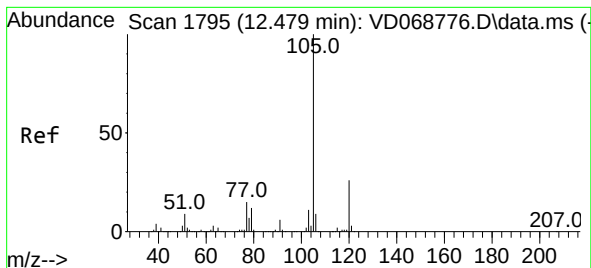
Tgt Ion:	117	Resp:	43073
Ion Ratio	Lower	Upper	
117	100		
82	47.1	43.5	65.3
119	32.5	26.7	40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

Tgt Ion:	152	Resp:	28183
Ion Ratio	Lower	Upper	
152	100		
115	54.3	29.3	87.8
150	142.4	0.0	347.6

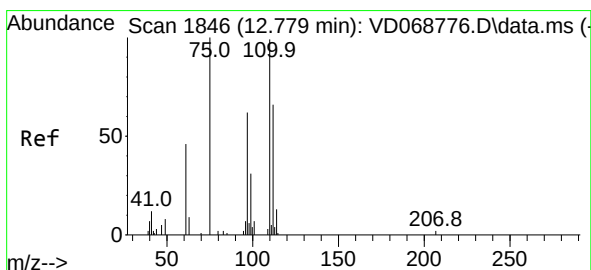
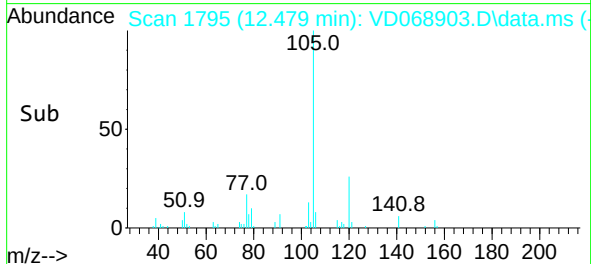
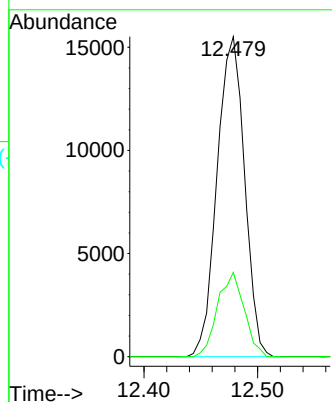
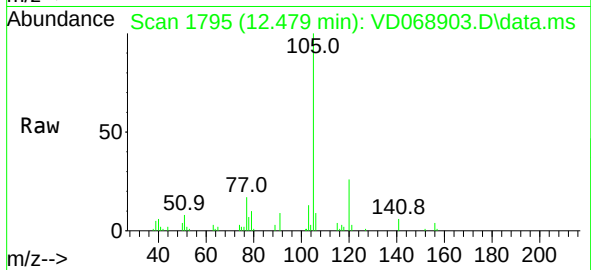




#73
Isopropylbenzene
Concen: 12.66 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

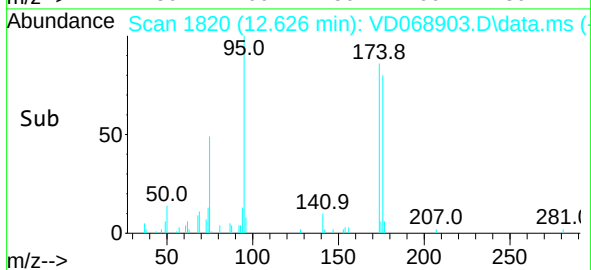
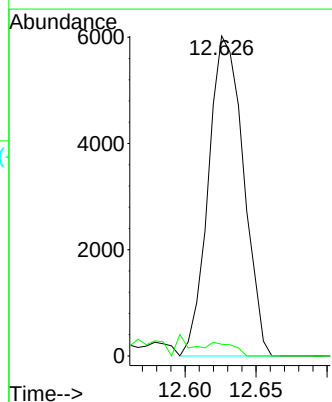
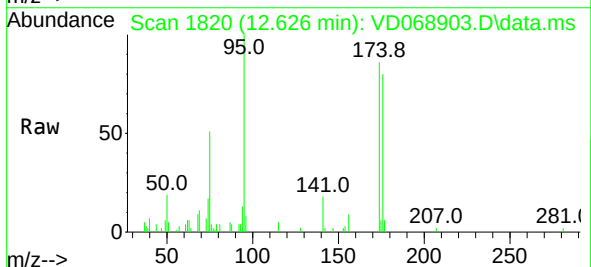
Instrument :
MSVOA_D
ClientSampleId :
SB-20-14.5-15.0-DUP

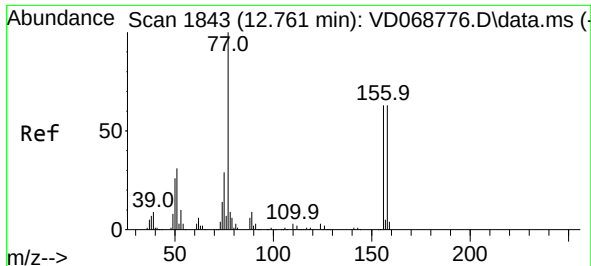
Tgt Ion:105 Resp: 26044
Ion Ratio Lower Upper
105 100
120 25.5 13.4 40.2



#76
1,2,3-Trichloropropane
Concen: 40.20 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

Tgt Ion: 75 Resp: 10350
Ion Ratio Lower Upper
75 100
77 2.9 0.0 0.0#

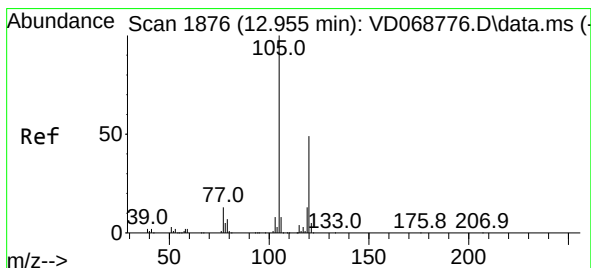
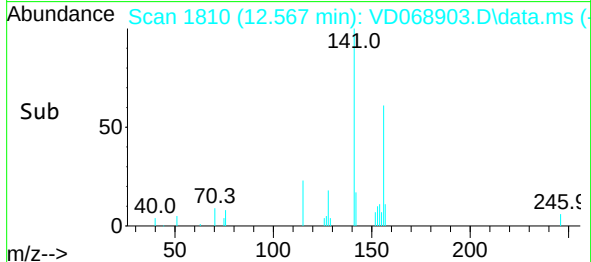
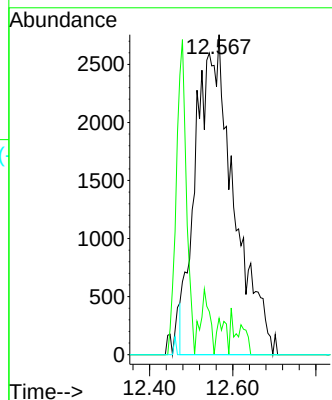
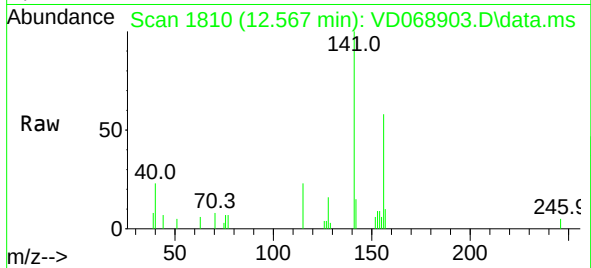




#77
Bromobenzene
Concen: 35.28 ug/l
RT: 12.567 min Scan# 1810
Delta R.T. -0.194 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

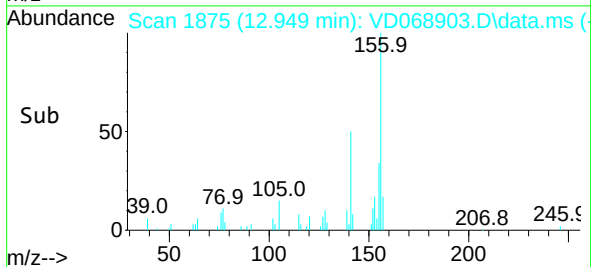
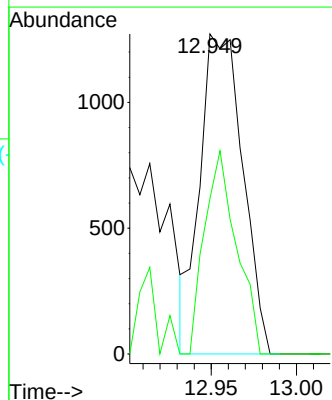
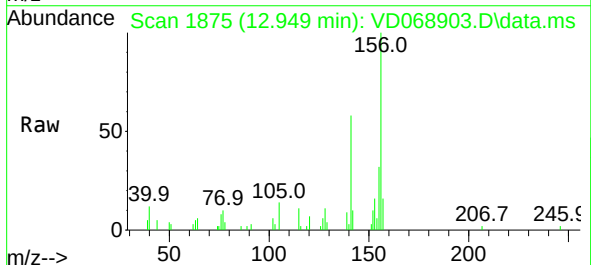
Instrument :
MSVOA_D
ClientSampleId :
SB-20-14.5-15.0-DUP

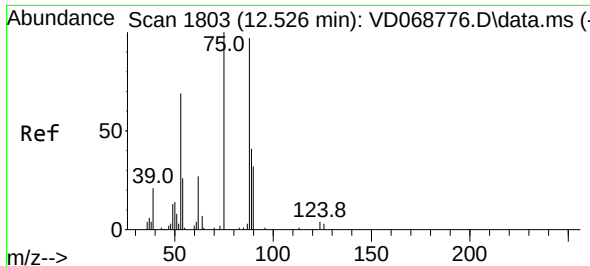
Tgt Ion:156 Resp: 17451
Ion Ratio Lower Upper
156 100
77 2.6 88.9 266.8#
158 0.0 47.7 143.1#



#80
1,3,5-Trimethylbenzene
Concen: 1.29 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

Tgt Ion:105 Resp: 2213
Ion Ratio Lower Upper
105 100
120 47.8 24.9 74.7

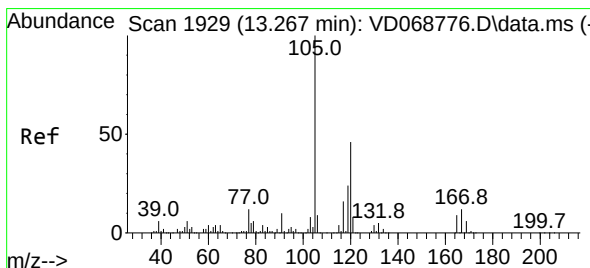
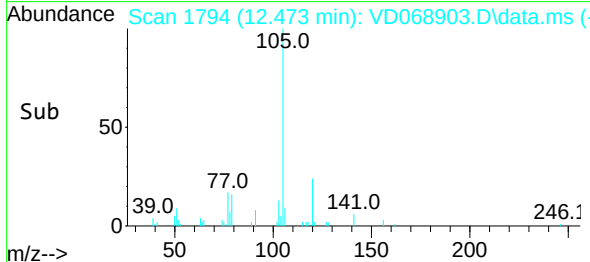
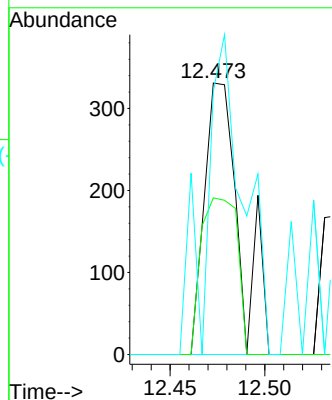
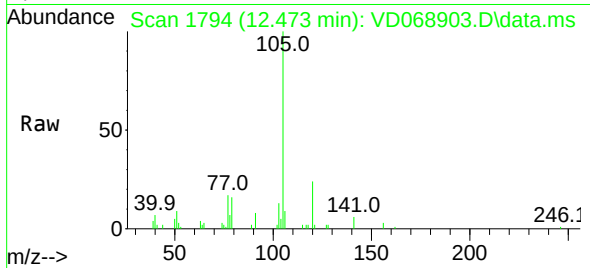




#81
trans-1,4-Dichloro-2-butene
Concen: 3.84 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.053 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

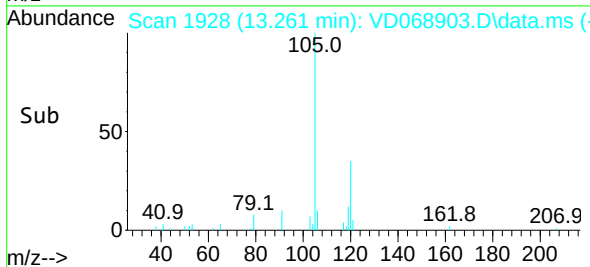
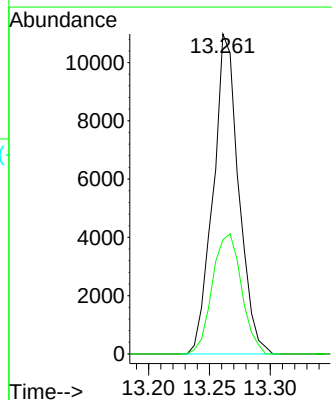
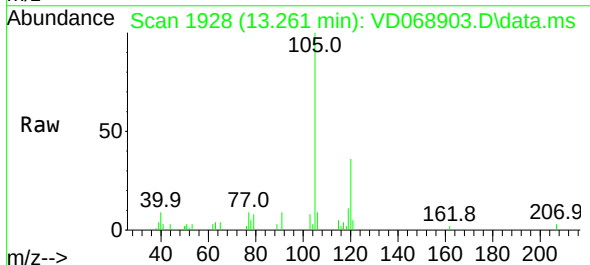
Instrument :
MSVOA_D
ClientSampleId :
SB-20-14.5-15.0-DUP

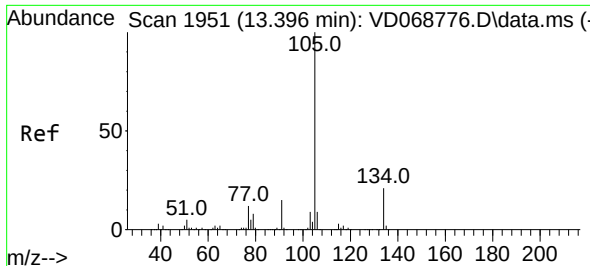
Tgt Ion: 75 Resp: 426
Ion Ratio Lower Upper
75 100
53 59.2 66.8 100.2#
89 126.3 36.6 54.8#



#84
1,2,4-Trimethylbenzene
Concen: 9.22 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.006 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

Tgt Ion: 105 Resp: 16026
Ion Ratio Lower Upper
105 100
120 42.7 22.6 67.7

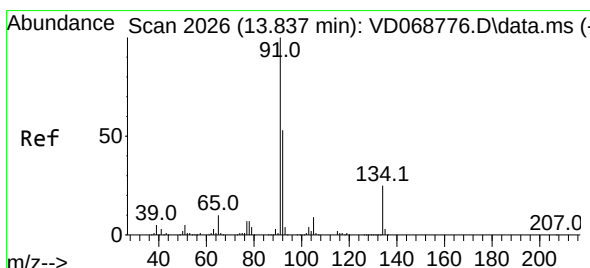
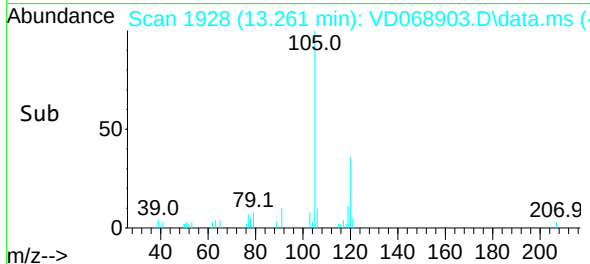
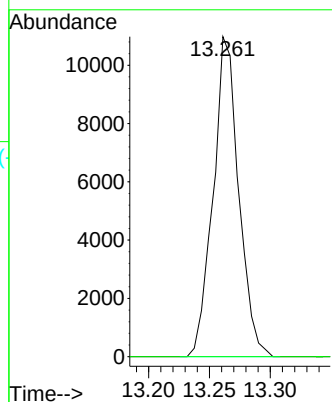
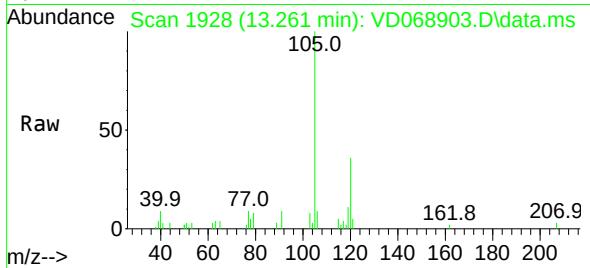




#85
 sec-Butylbenzene
 Concen: 7.78 ug/l
 RT: 13.261 min Scan# 1928
 Delta R.T. -0.135 min
 Lab File: VD068903.D
 Acq: 19 Apr 2021 17:02

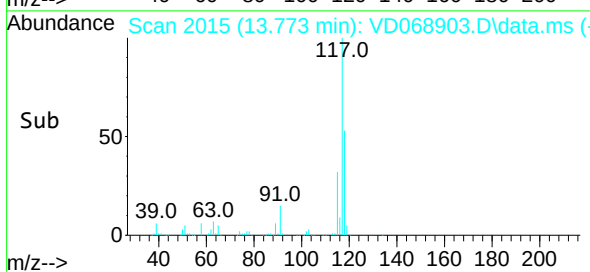
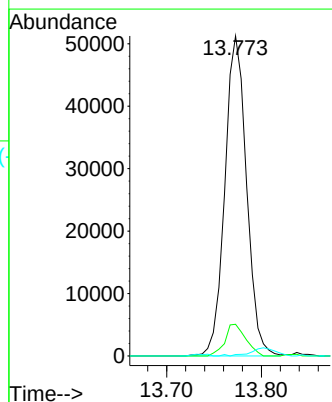
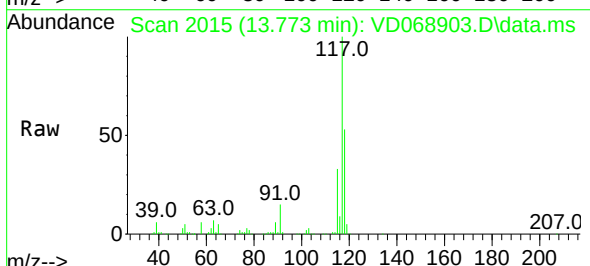
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-20-14.5-15.0-DUP

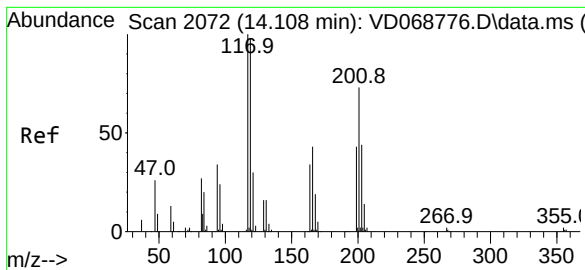
Tgt Ion:105 Resp: 16026
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#



#89
 n-Butylbenzene
 Concen: 46.05 ug/l
 RT: 13.773 min Scan# 2015
 Delta R.T. -0.064 min
 Lab File: VD068903.D
 Acq: 19 Apr 2021 17:02

Tgt Ion: 91 Resp: 81603
 Ion Ratio Lower Upper
 91 100
 92 9.5 26.7 80.1#
 134 0.0 12.9 38.6#

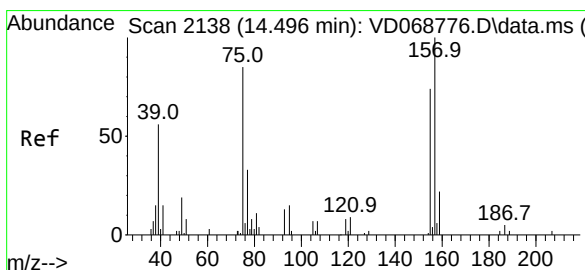
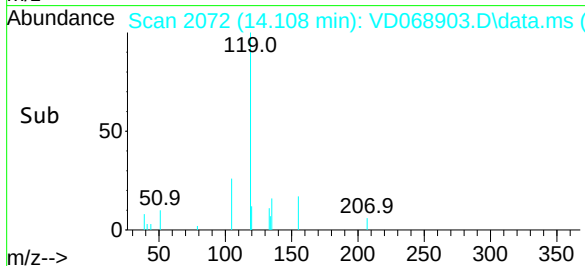
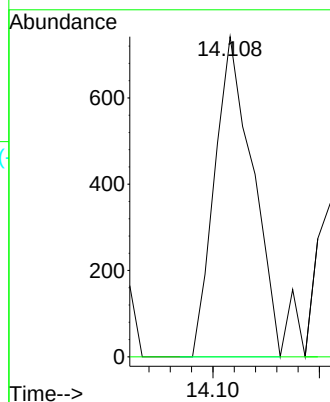
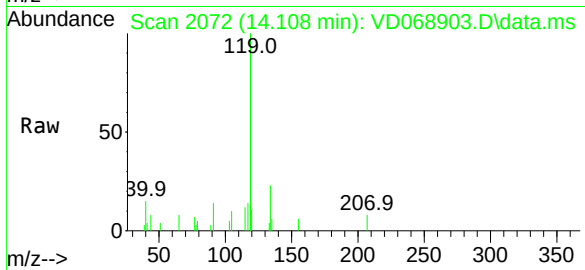




#90
Hexachloroethane
Concen: 2.45 ug/l
RT: 14.108 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

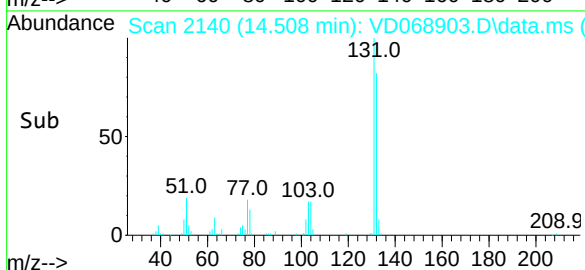
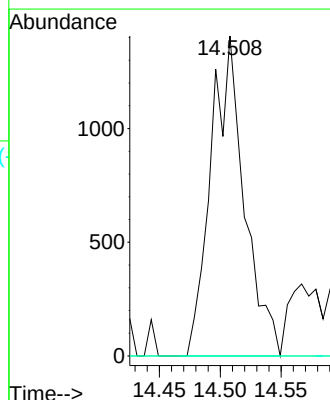
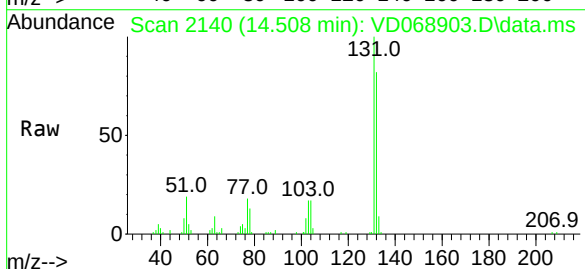
Instrument :
MSVOA_D
ClientSampleId :
SB-20-14.5-15.0-DUP

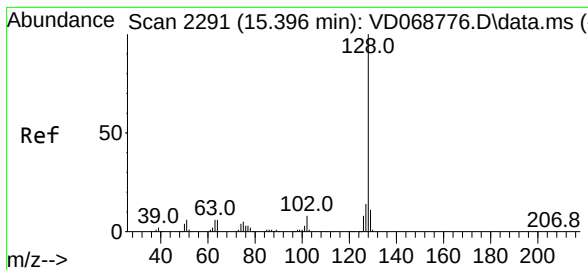
Tgt Ion:117 Resp: 918
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 45.96 ug/l
RT: 14.508 min Scan# 2140
Delta R.T. 0.012 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

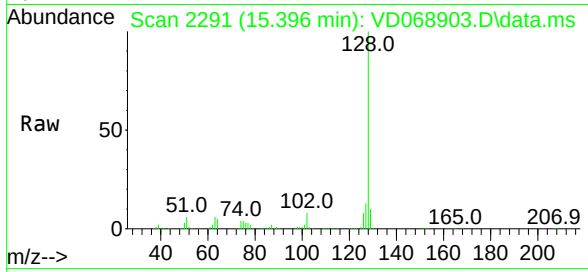
Tgt Ion: 75 Resp: 2687
Ion Ratio Lower Upper
75 100
155 0.0 46.8 140.3#
157 0.0 59.8 179.3#





#95
Naphthalene
Concen: 1002.57 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068903.D
Acq: 19 Apr 2021 17:02

Instrument :
MSVOA_D
ClientSampleId :
SB-20-14.5-15.0-DUP



Tgt Ion:128 Resp: 916482
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.9 8.9 13.3

