

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041921\
 Data File : VD068902.D
 Acq On : 19 Apr 2021 16:34
 Operator : VA/SY
 Sample : M2077-04
 Misc : 5.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Apr 20 00:53:39 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	103083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	186692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	222210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	122734	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	58320	53.53	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.06%
35) Dibromofluoromethane	7.920	113	63715	52.47	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.94%
50) Toluene-d8	10.338	98	238375	52.04	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.08%
62) 4-Bromofluorobenzene	12.626	95	103764	68.20	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	136.40%

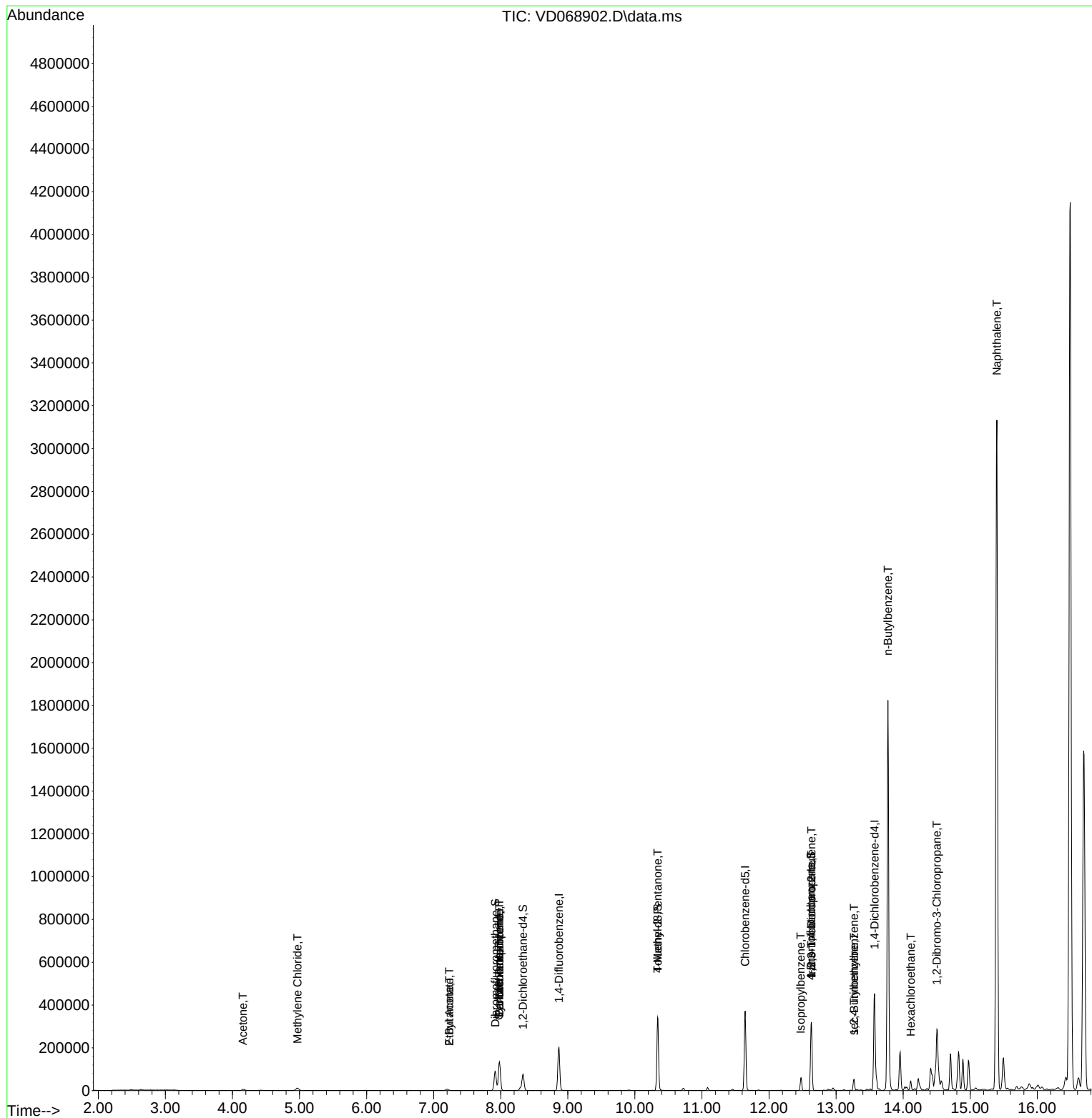
Target Compounds						Qvalue
16) Acetone	4.156	43	9078	60.17	ug/l	88
20) Methylene Chloride	4.967	84	9378	3.17	ug/l #	91
25) 2-Butanone	7.232	43	2252	10.55	ug/l #	67
31) Cyclohexane	7.973	56	2179	1.20	ug/l #	44
36) 1,1-Dichloropropene	7.979	75	8180	4.33	ug/l #	49
37) Ethyl Acetate	7.232	43	2252	4.06	ug/l #	64
38) Carbon Tetrachloride	7.979	117	10213	5.46	ug/l #	18
51) 4-Methyl-2-Pentanone	10.338	43	694	1.22	ug/l #	1
73) Isopropylbenzene	12.473	105	38880	4.34	ug/l	98
76) 1,2,3-Trichloropropane	12.632	75	52665	46.97	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	52665	109.00	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.267	105	27904	3.69	ug/l	89
85) sec-Butylbenzene	13.267	105	27904	3.11	ug/l #	57
89) n-Butylbenzene	13.773	91	150551	19.51	ug/l #	42
90) Hexachloroethane	14.114	117	3213	1.97	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.502	75	6981	27.42	ug/l #	1
95) Naphthalene	15.396	128	2844974	714.65	ug/l	99

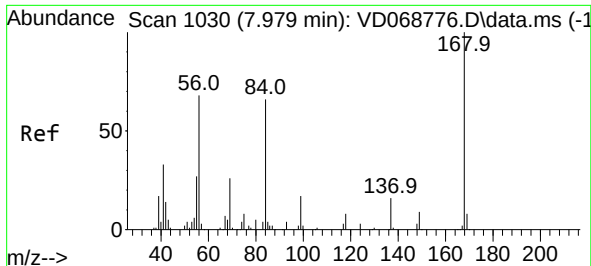
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

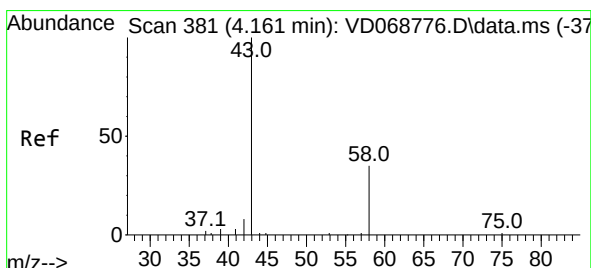
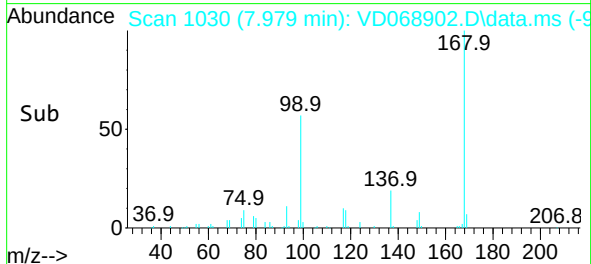
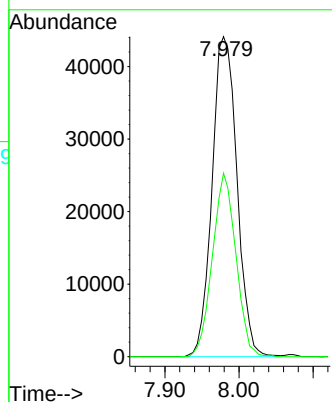
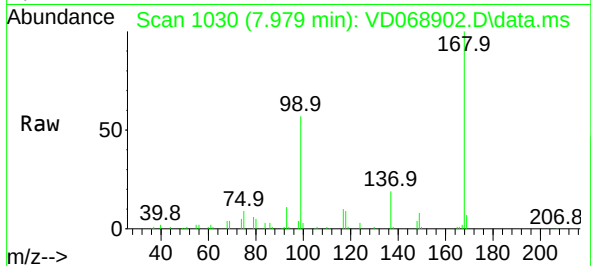




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

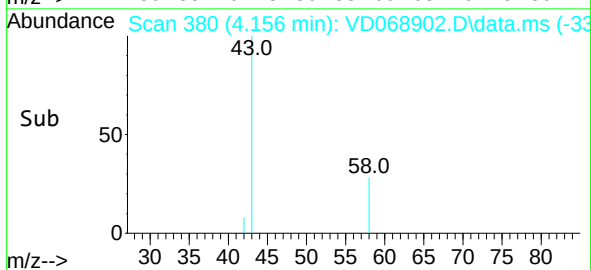
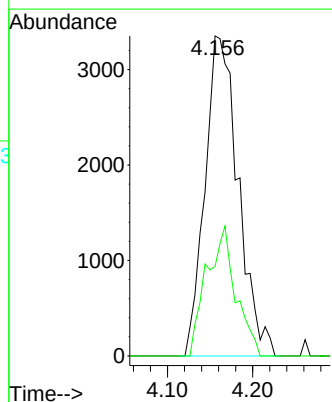
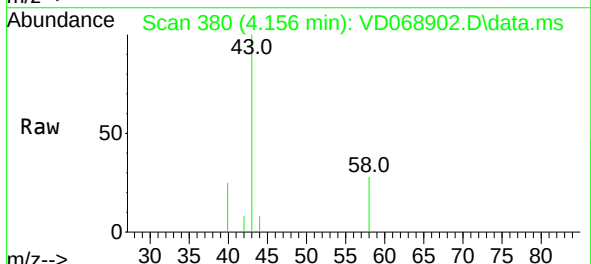
Instrument :
MSVOA_D
ClientSampleId :
SB-20-14.5-15.0

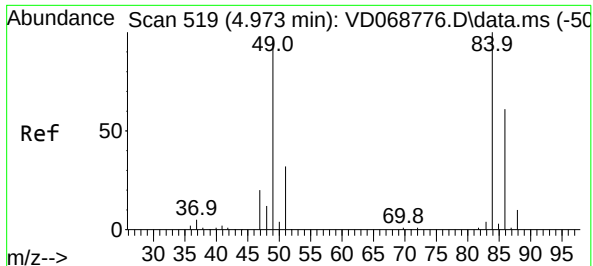
Tgt Ion:168 Resp: 103083
Ion Ratio Lower Upper
168 100
99 57.4 46.2 69.2



#16
Acetone
Concen: 60.17 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.005 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

Tgt Ion: 43 Resp: 9078
Ion Ratio Lower Upper
43 100
58 28.0 28.0 42.0





#20

Methylene Chloride

Concen: 3.17 ug/l

RT: 4.967 min Scan# 518

Delta R.T. -0.006 min

Lab File: VD068902.D

Acq: 19 Apr 2021 16:34

Instrument :

MSVOA_D

ClientSampleId :

SB-20-14.5-15.0

Tgt Ion: 84 Resp: 9378

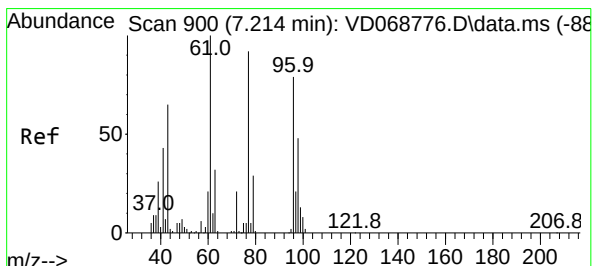
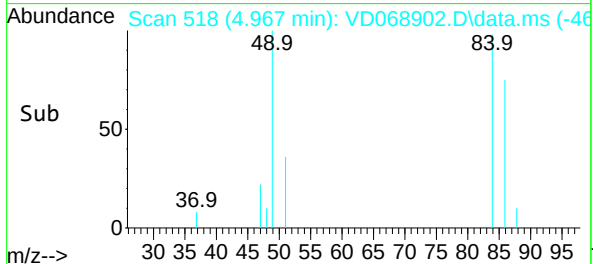
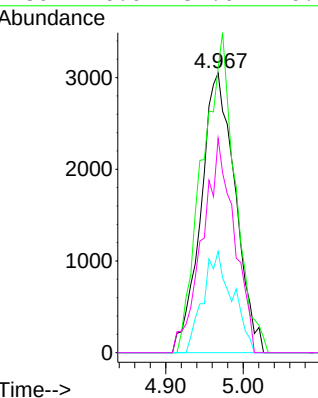
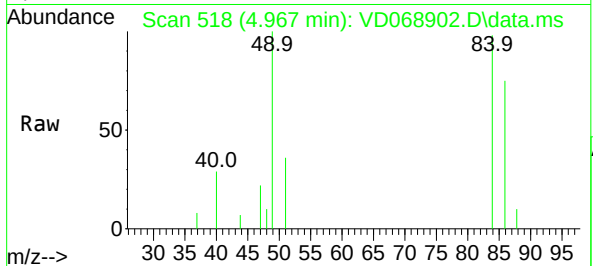
Ion Ratio Lower Upper

84 100

49 101.7 83.4 125.0

51 36.2 23.4 35.2#

86 76.6 51.0 76.4#



#25

2-Butanone

Concen: 10.55 ug/l

RT: 7.232 min Scan# 903

Delta R.T. 0.018 min

Lab File: VD068902.D

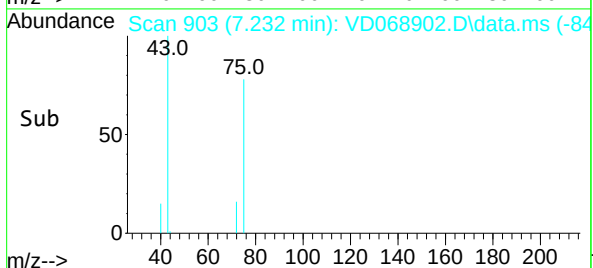
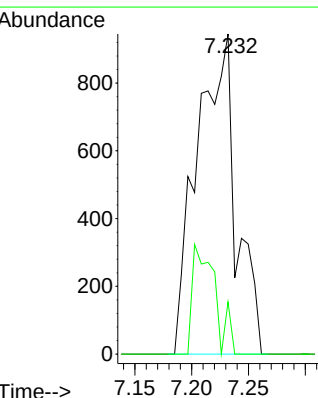
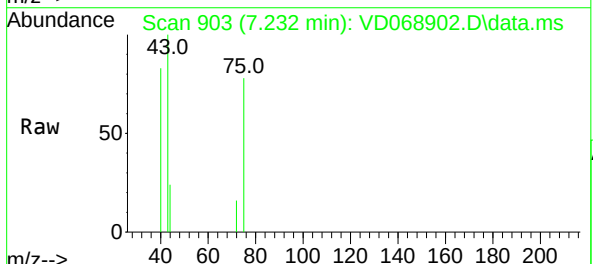
Acq: 19 Apr 2021 16:34

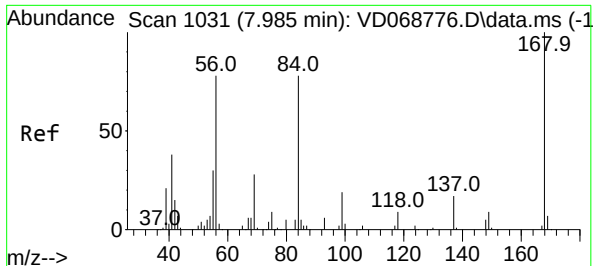
Tgt Ion: 43 Resp: 2252

Ion Ratio Lower Upper

43 100

72 16.3 28.6 43.0#

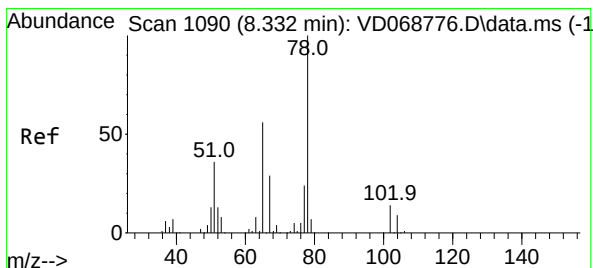
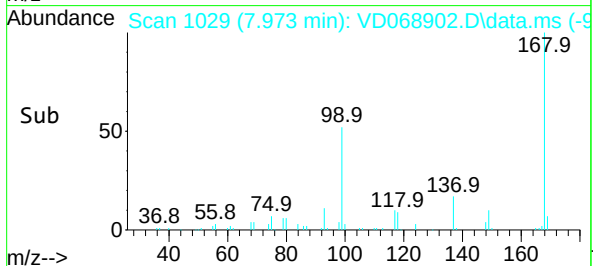
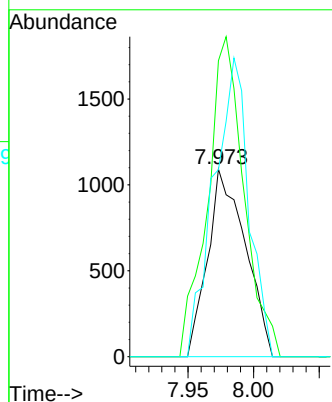
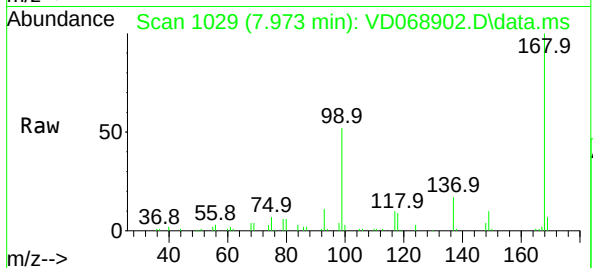




#31
Cyclohexane
Concen: 1.20 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

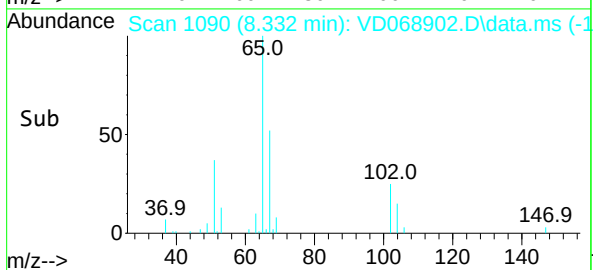
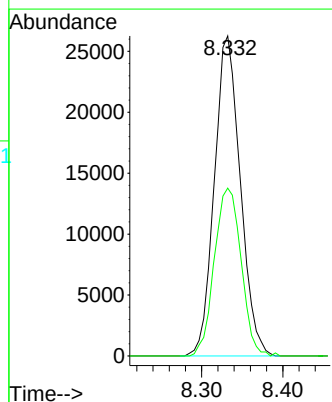
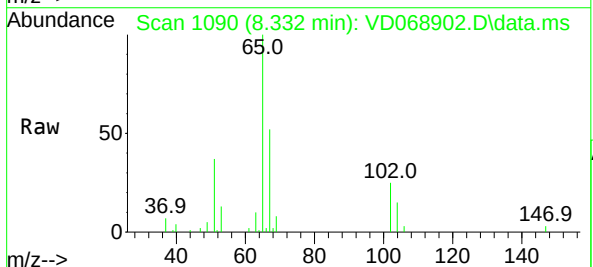
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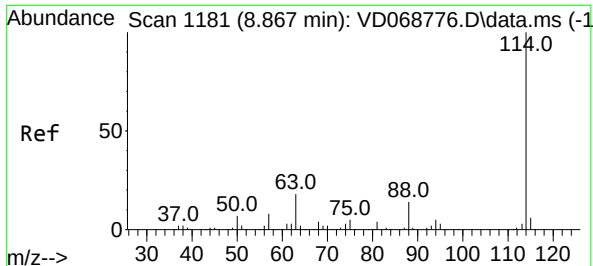
Tgt Ion: 56 Resp: 2179
Ion Ratio Lower Upper
56 100
69 157.6 30.0 45.0#
84 99.6 82.0 123.0



#33
1,2-Dichloroethane-d4
Concen: 53.53 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

Tgt Ion: 65 Resp: 58320
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.0

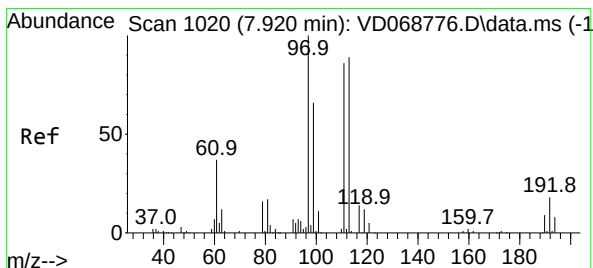
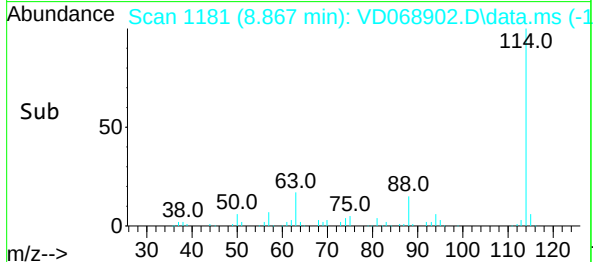
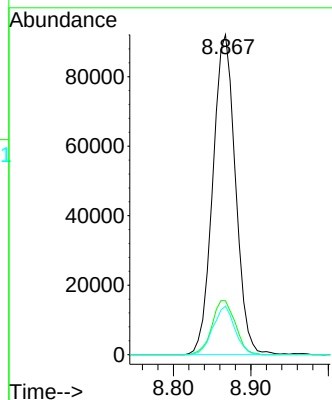
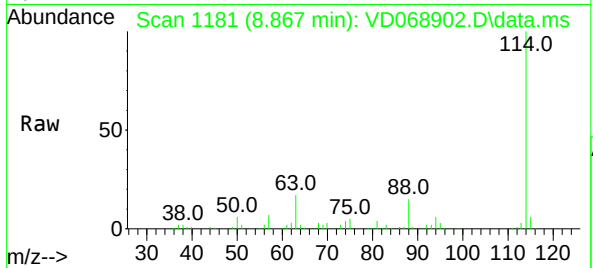




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

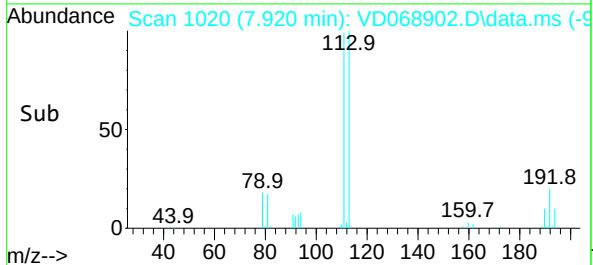
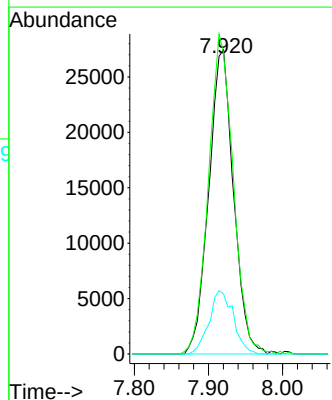
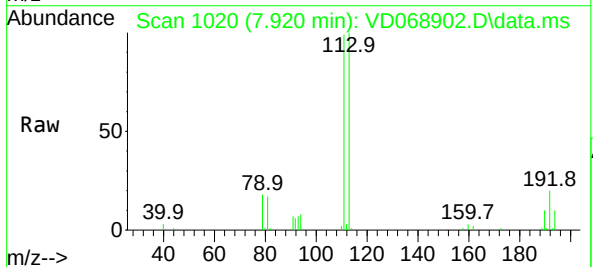
Instrument :
MSVOA_D
ClientSampleId :
SB-20-14.5-15.0

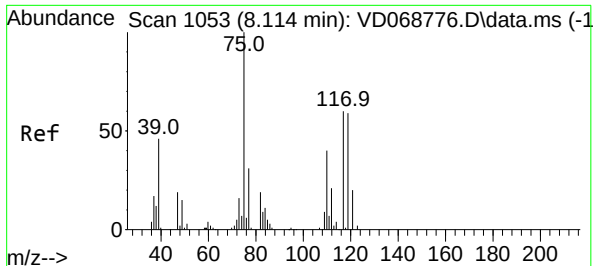
Tgt Ion:114 Resp: 186692
Ion Ratio Lower Upper
114 100
63 16.9 0.0 38.2
88 15.2 0.0 29.4



#35
Dibromofluoromethane
Concen: 52.47 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

Tgt Ion:113 Resp: 63715
Ion Ratio Lower Upper
113 100
111 105.4 82.5 123.7
192 20.4 15.1 22.7

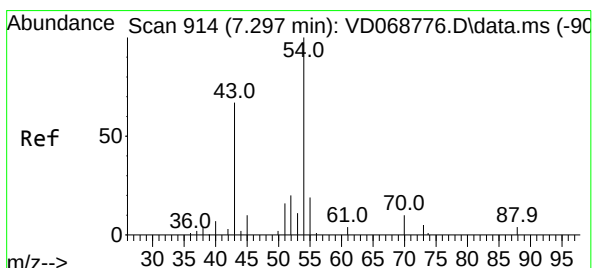
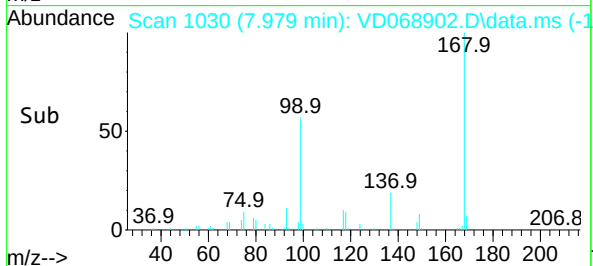
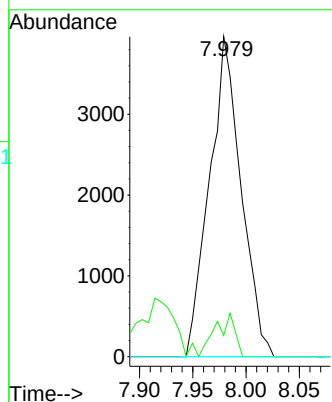
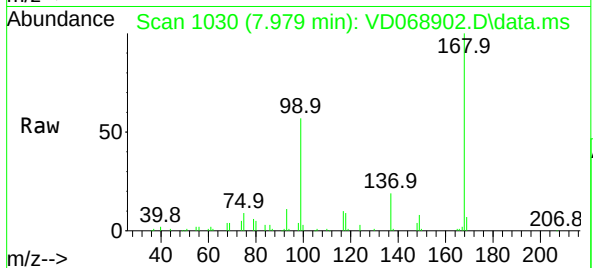




#36
1,1-Dichloropropene
Concen: 4.33 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

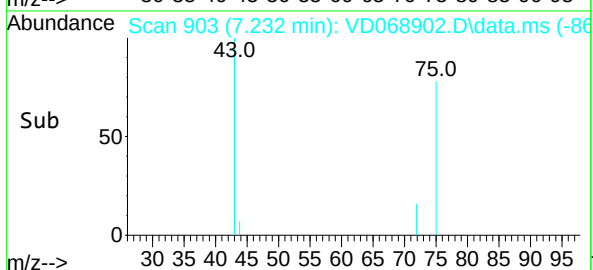
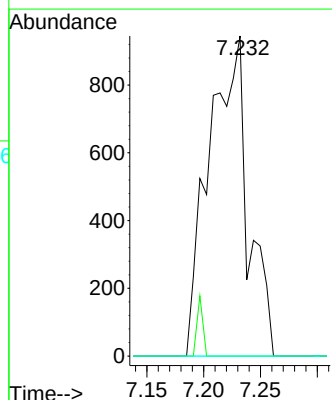
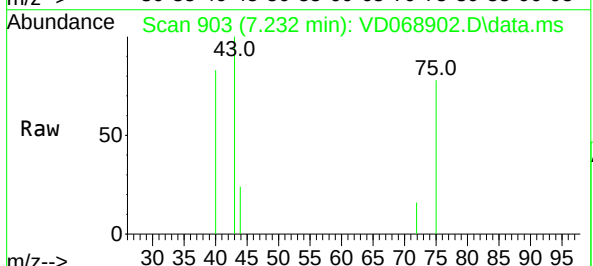
Instrument :
MSVOA_D
ClientSampleId :
SB-20-14.5-15.0

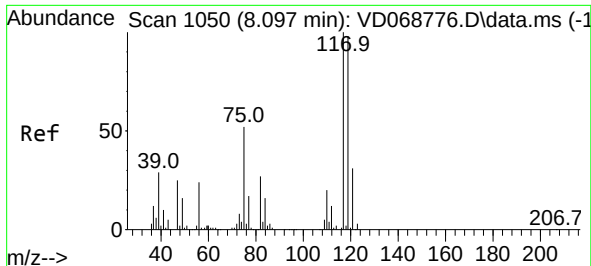
Tgt Ion:	75	Resp:	8180
Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.1	54.4#
77	0.0	24.7	37.1#



#37
Ethyl Acetate
Concen: 4.06 ug/l
RT: 7.232 min Scan# 903
Delta R.T. -0.065 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

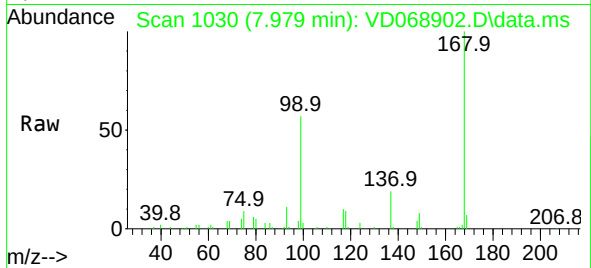
Tgt Ion:	43	Resp:	2252
Ion	Ratio	Lower	Upper
43	100		
61	0.0	14.2	21.4#
70	0.0	9.4	14.0#



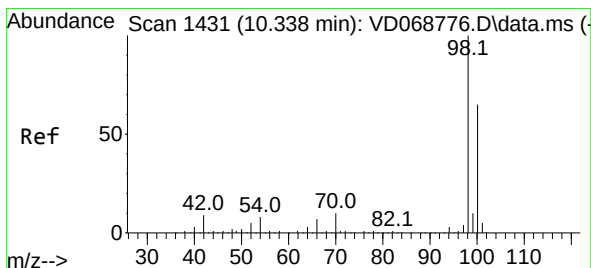
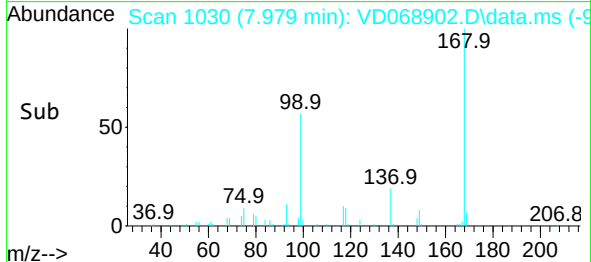
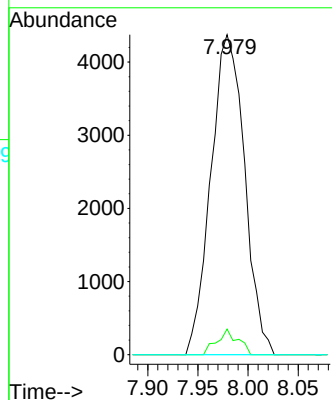


#38
Carbon Tetrachloride
Concen: 5.46 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

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

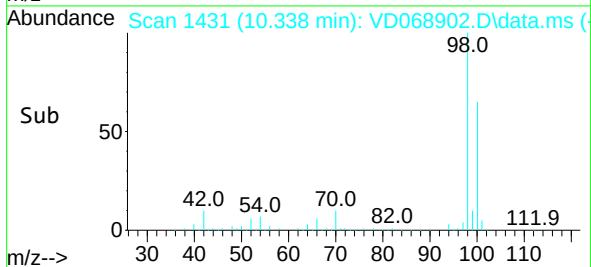
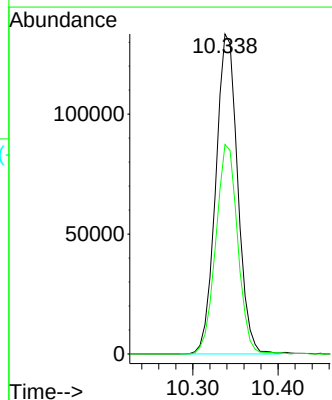
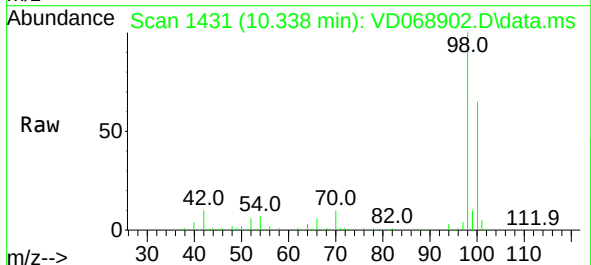


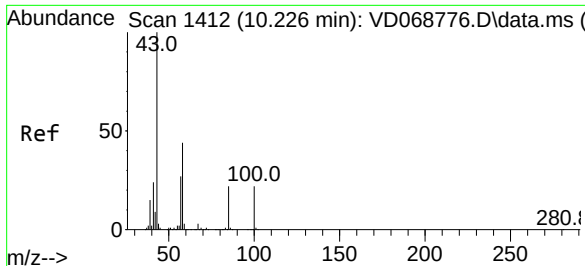
Tgt Ion:117 Resp: 10213
Ion Ratio Lower Upper
117 100
119 8.0 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 52.04 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

Tgt Ion: 98 Resp: 238375
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6

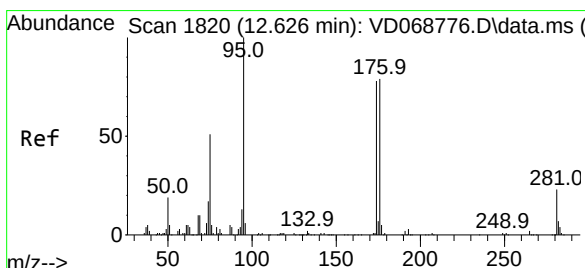
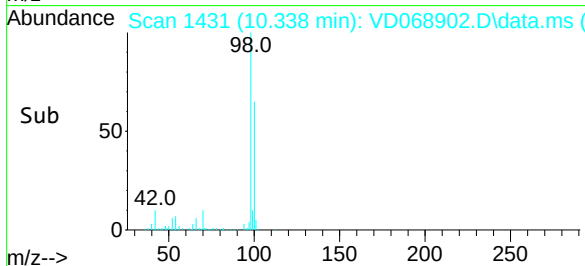
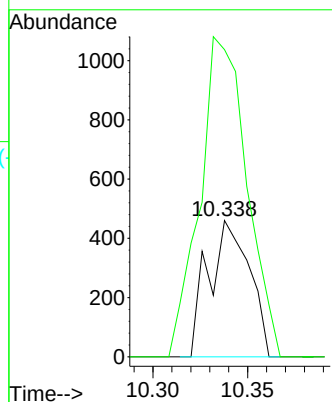
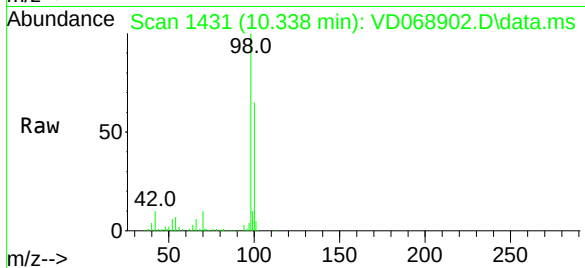




#51
4-Methyl-2-Pentanone
Concen: 1.22 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

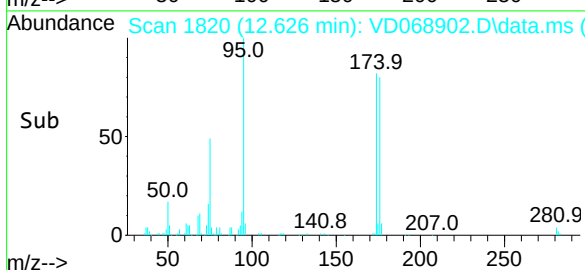
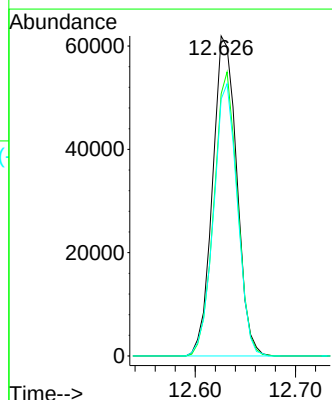
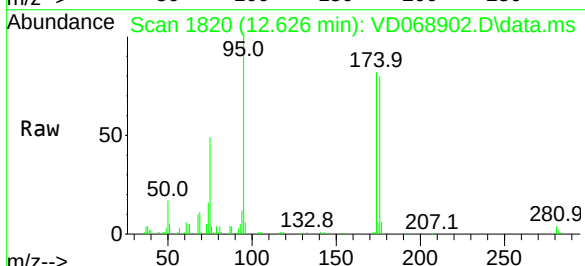
Instrument :
MSVOA_D
ClientSampleId :
SB-20-14.5-15.0

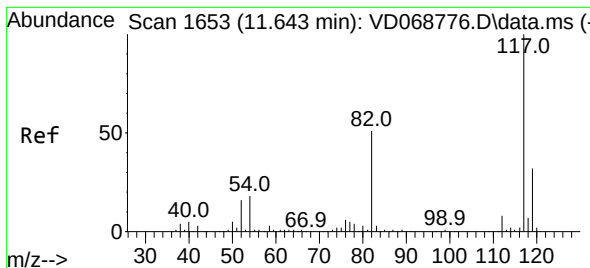
Tgt Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
58 268.4 37.3 55.9#



#62
4-Bromofluorobenzene
Concen: 68.20 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

Tgt Ion: 95 Resp: 103764
Ion Ratio Lower Upper
95 100
174 86.0 0.0 168.0
176 83.5 0.0 160.2

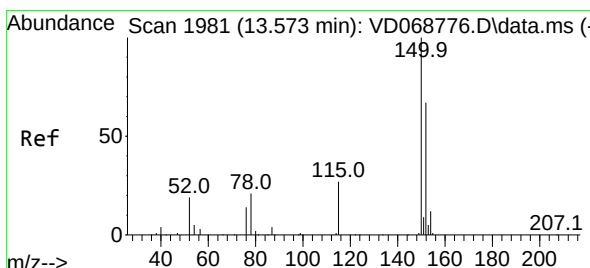
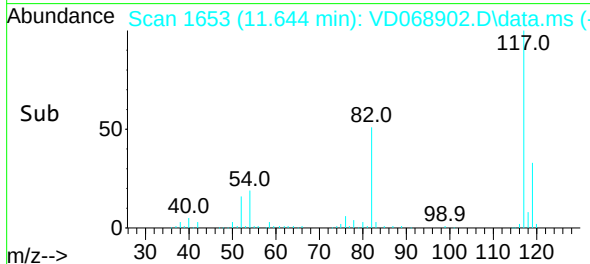
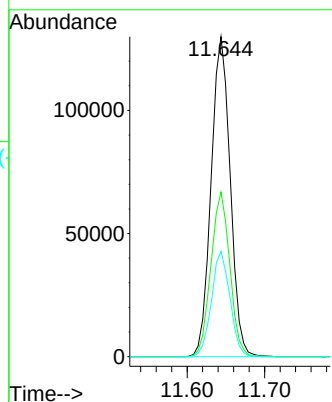
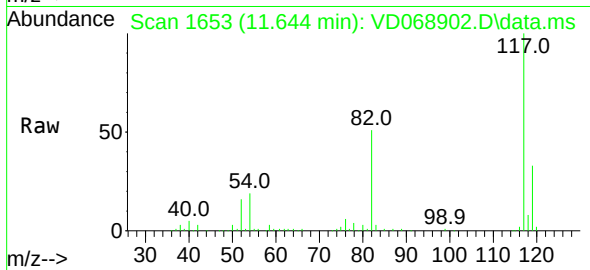




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

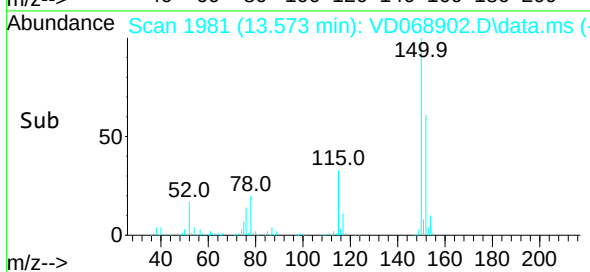
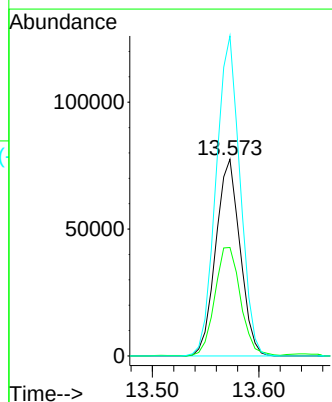
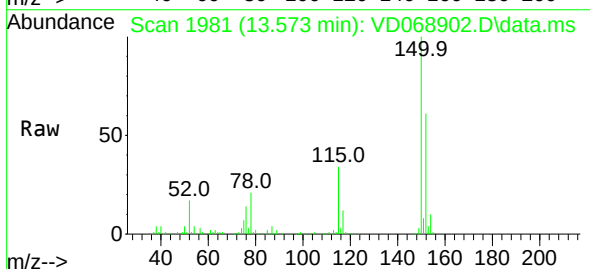
Instrument :
MSVOA_D
ClientSampleId :
SB-20-14.5-15.0

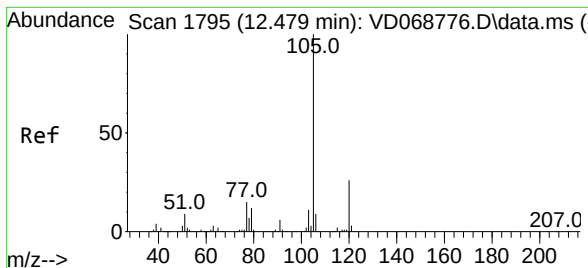
Tgt Ion:117 Resp: 222210
Ion Ratio Lower Upper
117 100
82 51.4 43.5 65.3
119 33.0 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

Tgt Ion:152 Resp: 122734
Ion Ratio Lower Upper
152 100
115 58.5 29.3 87.8
150 160.7 0.0 347.6

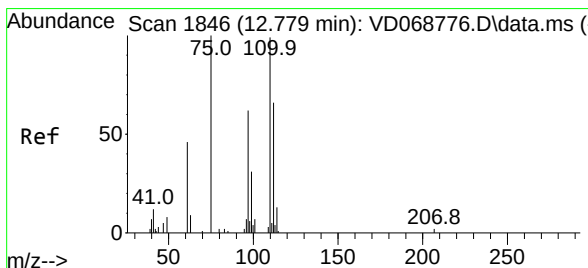
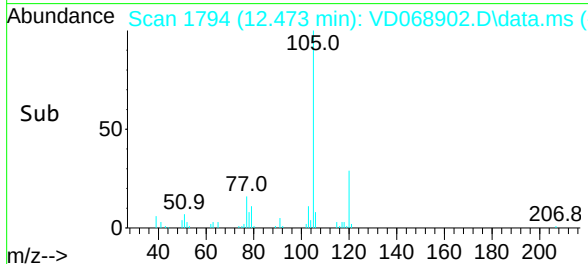
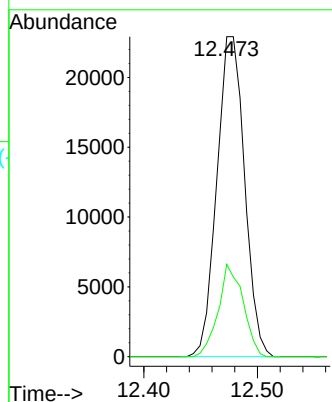
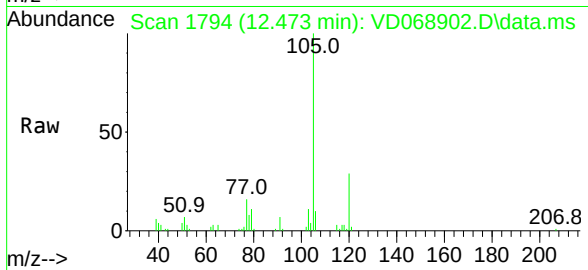




#73
Isopropylbenzene
Concen: 4.34 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

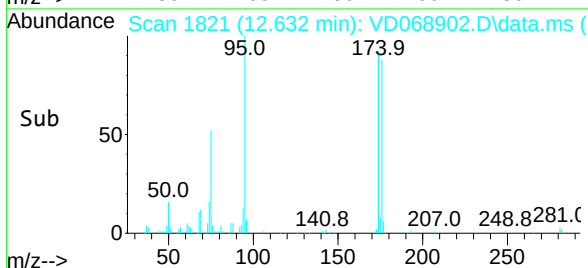
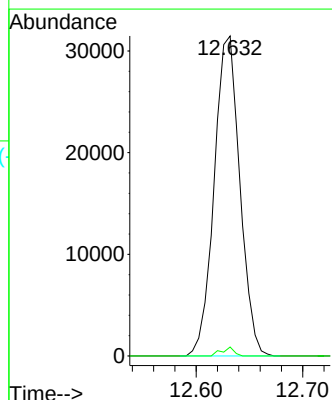
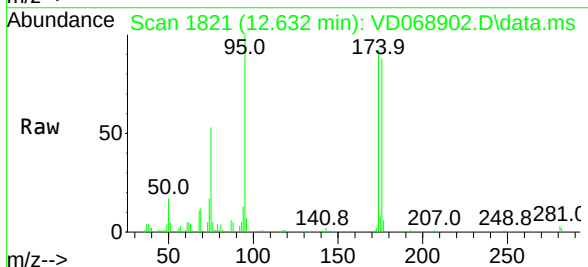
Instrument :
MSVOA_D
ClientSampleId :
SB-20-14.5-15.0

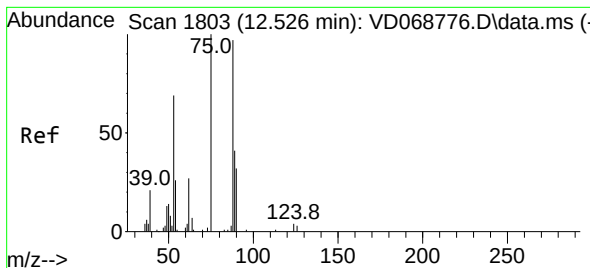
Tgt Ion:105 Resp: 38880
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.2



#76
1,2,3-Trichloropropane
Concen: 46.97 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

Tgt Ion: 75 Resp: 52665
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

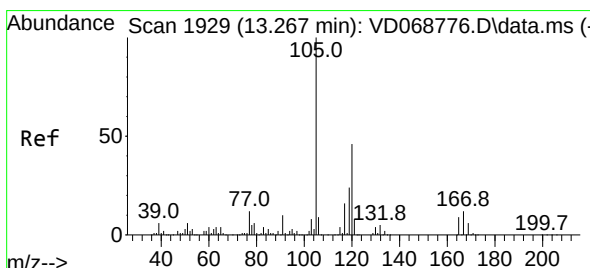
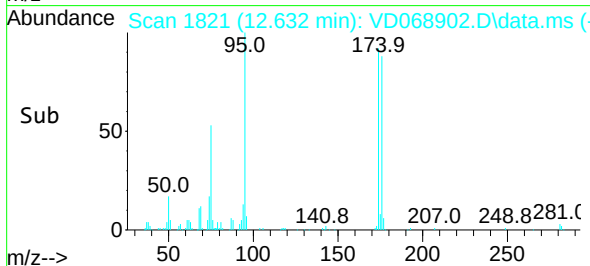
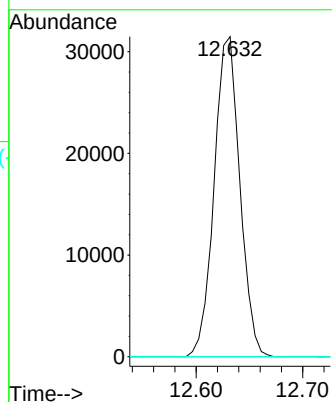
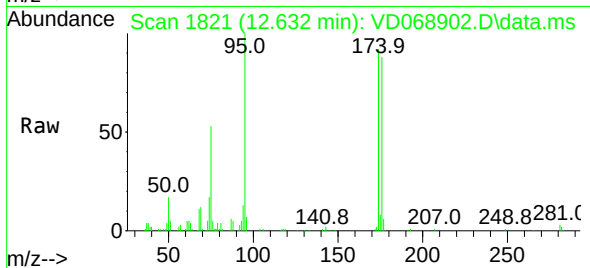




#81
trans-1,4-Dichloro-2-butene
Concen: 109.00 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

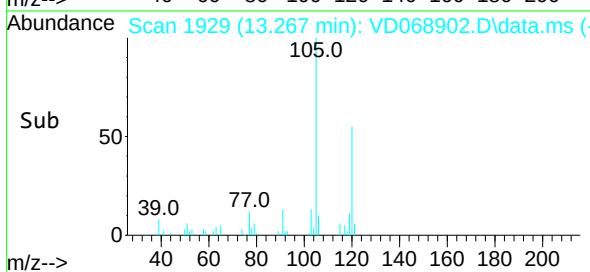
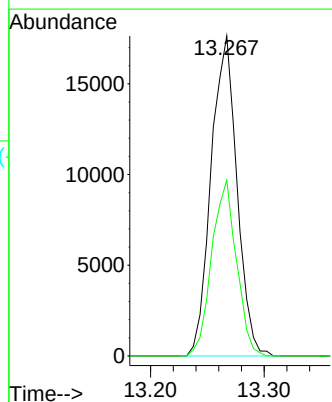
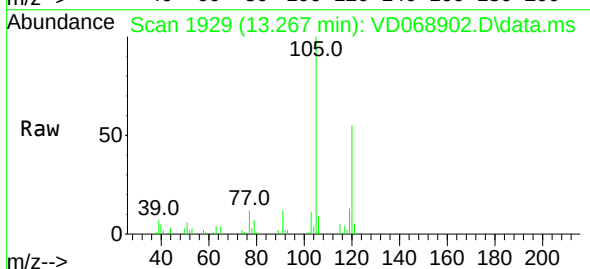
Instrument :
MSVOA_D
ClientSampleId :
SB-20-14.5-15.0

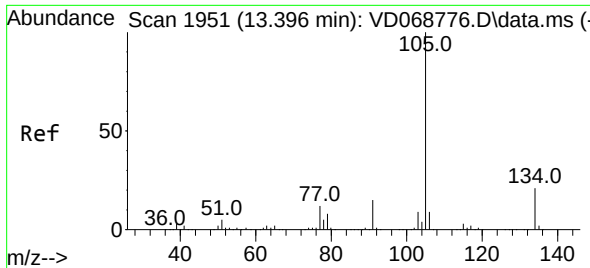
Tgt Ion: 75 Resp: 52665
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 36.6 54.8#



#84
1,2,4-Trimethylbenzene
Concen: 3.69 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

Tgt Ion: 105 Resp: 27904
Ion Ratio Lower Upper
105 100
120 52.5 22.6 67.7

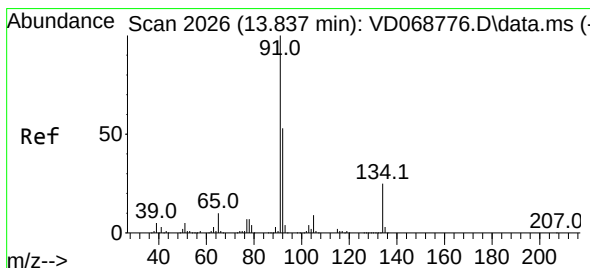
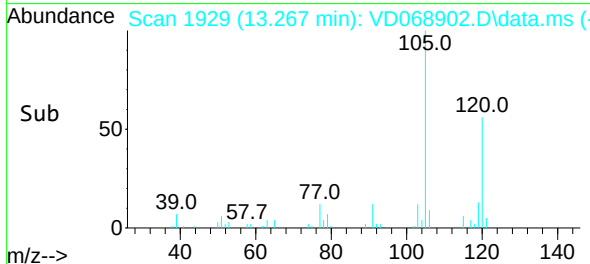
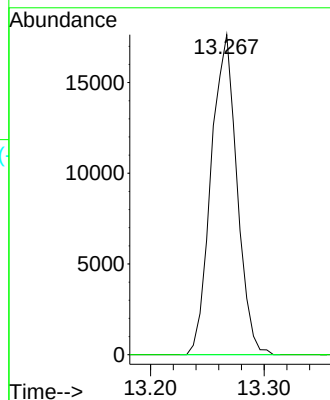
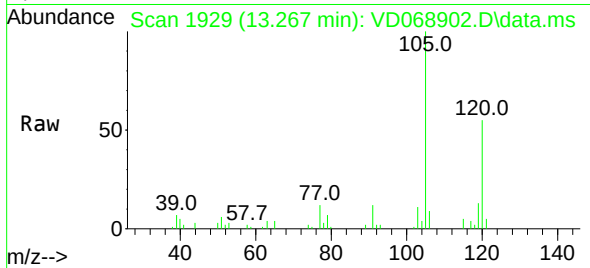




#85
 sec-Butylbenzene
 Concen: 3.11 ug/l
 RT: 13.267 min Scan# 1929
 Delta R.T. -0.129 min
 Lab File: VD068902.D
 Acq: 19 Apr 2021 16:34

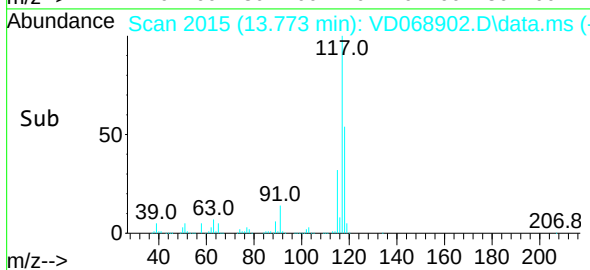
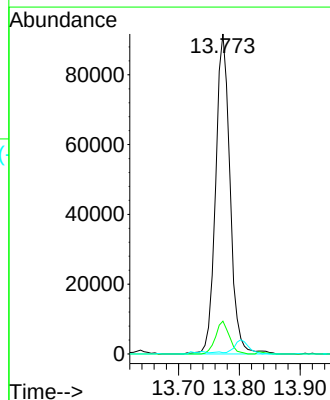
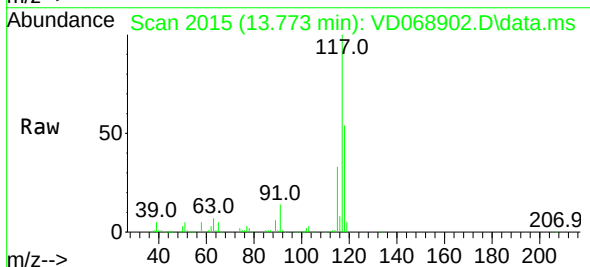
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-20-14.5-15.0

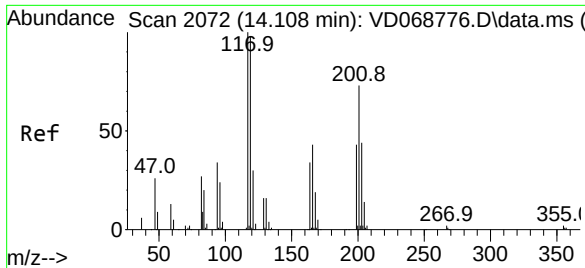
Tgt Ion:105 Resp: 27904
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#



#89
 n-Butylbenzene
 Concen: 19.51 ug/l
 RT: 13.773 min Scan# 2015
 Delta R.T. -0.064 min
 Lab File: VD068902.D
 Acq: 19 Apr 2021 16:34

Tgt Ion: 91 Resp: 150551
 Ion Ratio Lower Upper
 91 100
 92 9.8 26.7 80.1#
 134 0.4 12.9 38.6#

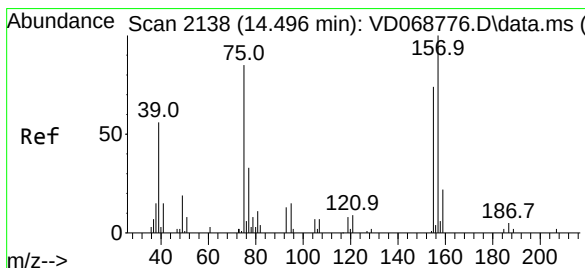
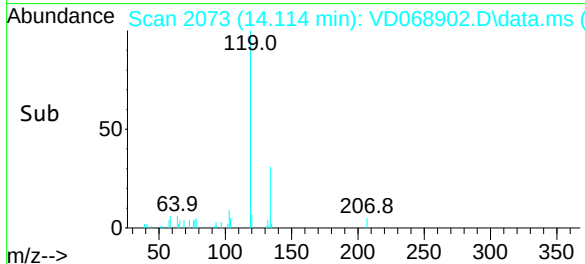
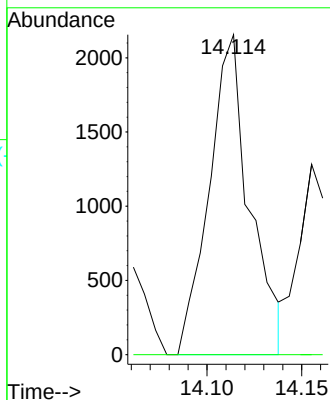
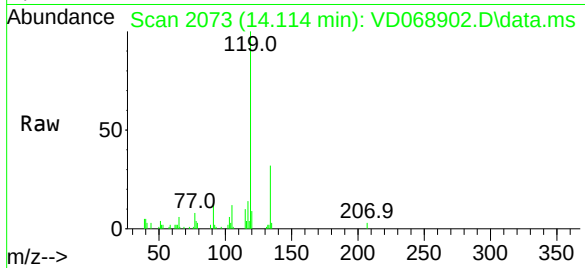




#90
Hexachloroethane
Concen: 1.97 ug/l
RT: 14.114 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

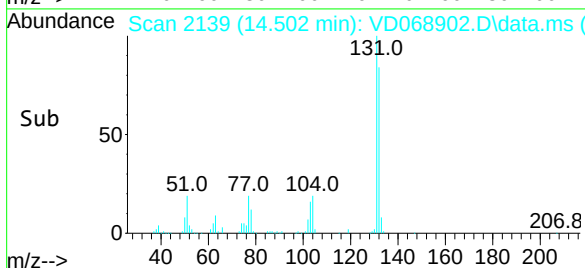
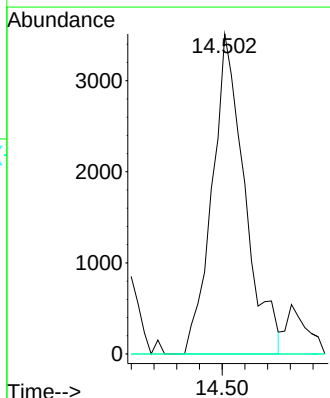
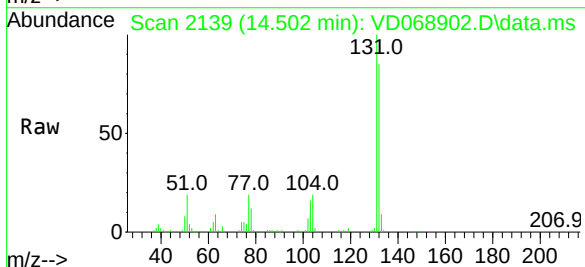
Instrument :
MSVOA_D
ClientSampled :
SB-20-14.5-15.0

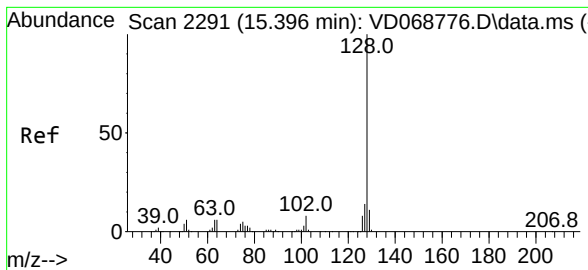
Tgt Ion:117 Resp: 3213
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 27.42 ug/l
RT: 14.502 min Scan# 2139
Delta R.T. 0.006 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

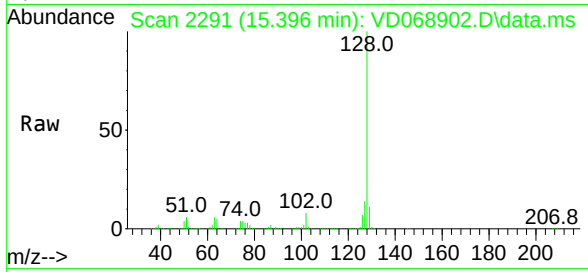
Tgt Ion: 75 Resp: 6981
Ion Ratio Lower Upper
75 100
155 0.0 46.8 140.3#
157 0.0 59.8 179.3#





#95
Naphthalene
Concen: 714.65 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068902.D
Acq: 19 Apr 2021 16:34

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



Tgt Ion:128 Resp: 2844974
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 11.0 8.9 13.3

