

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041521\
 Data File : VD068859.D
 Acq On : 15 Apr 2021 16:40
 Operator : VA/SY
 Sample : M2049-06
 Misc : 5.05G/5.00ml/MSVOA_D/soil
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 16 01:09:50 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)

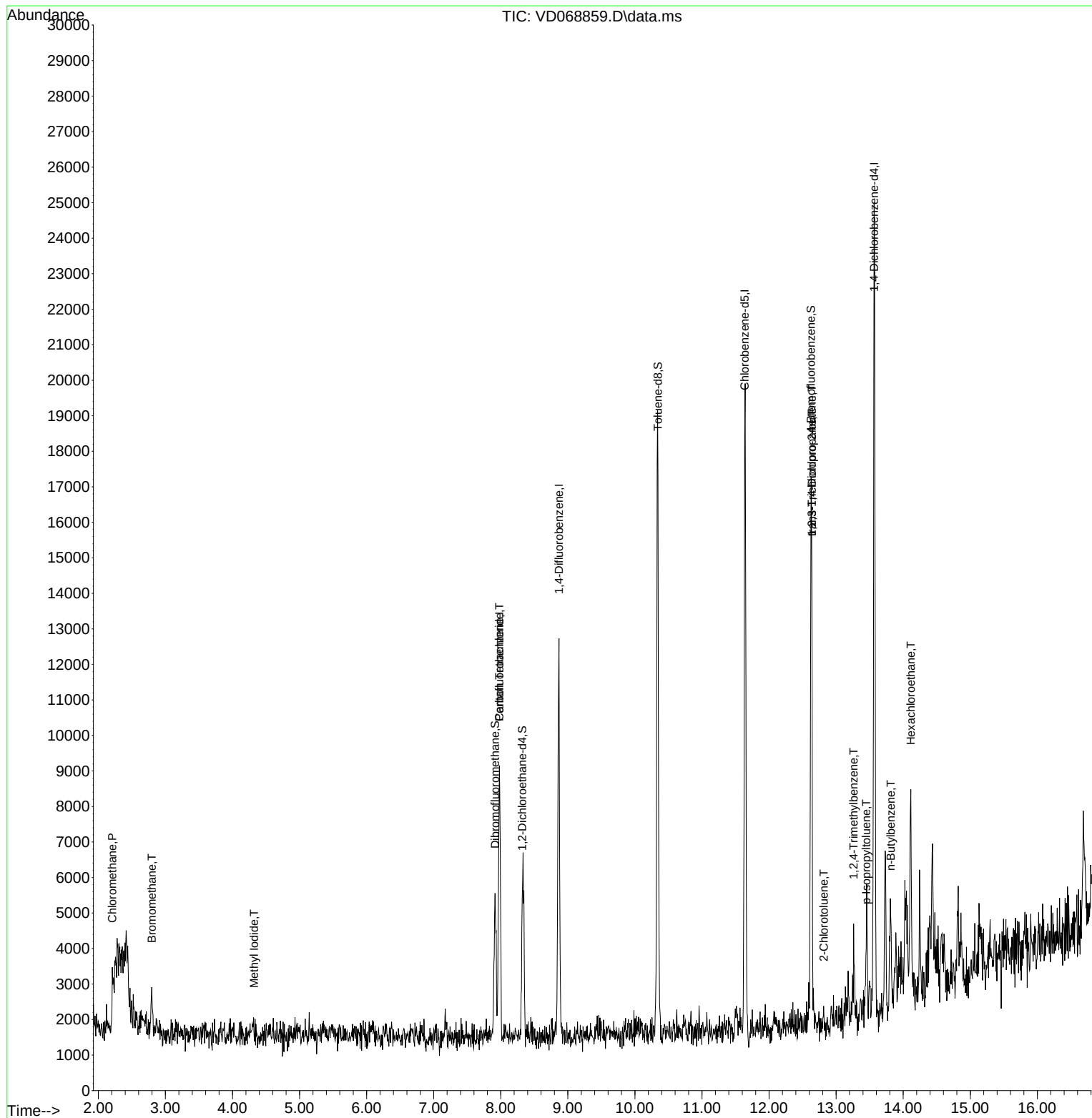
Internal Standards						
1) Pentafluorobenzene	7.979	168	6655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	10532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	11677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	6672	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	4837	68.77	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.54%	
35) Dibromofluoromethane	7.914	113	3231	47.16	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.32%	
50) Toluene-d8	10.343	98	12858	49.76	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.52%	
62) 4-Bromofluorobenzene	12.626	95	5585	65.07	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 130.14%	
Target Compounds						
						Qvalue
3) Chloromethane	2.209	50	192	2.48	ug/l #	40
5) Bromomethane	2.797	94	837	11.50	ug/l	95
10) Methyl Iodide	4.320	142	233	5.00	ug/l #	68
20) Methylene Chloride	4.985	84	126	Below Cal	#	12
38) Carbon Tetrachloride	7.979	117	540	5.12	ug/l #	12
76) 1,2,3-Trichloropropane	12.637	75	2818	46.23	ug/l #	100
79) 2-Chlorotoluene	12.814	91	337	1.02	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.637	75	2818	107.29	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.261	105	1388	3.37	ug/l	79
86) p-Isopropyltoluene	13.449	119	1510	3.39	ug/l	90
89) n-Butylbenzene	13.814	91	763	1.82	ug/l #	11
90) Hexachloroethane	14.114	117	687	7.74	ug/l #	14

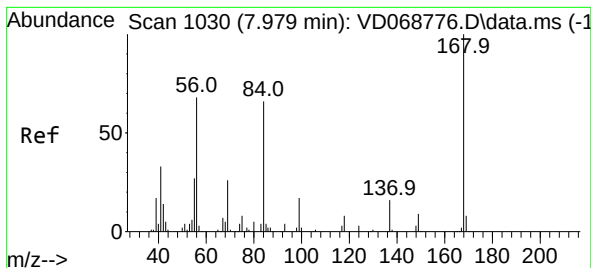
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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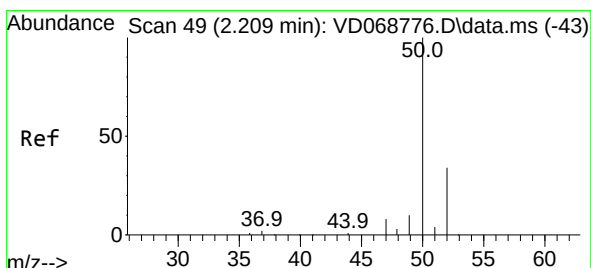
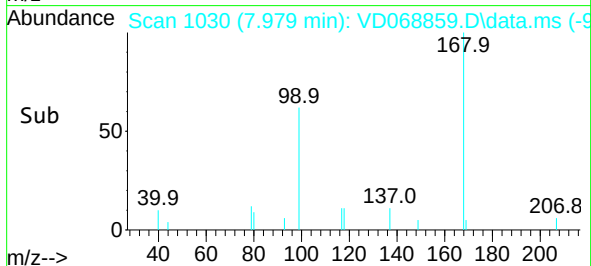
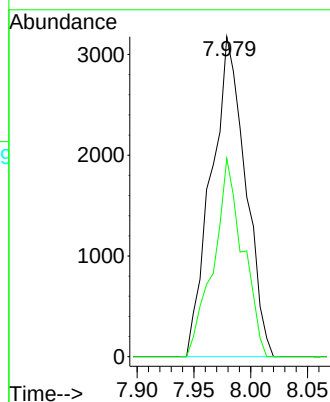
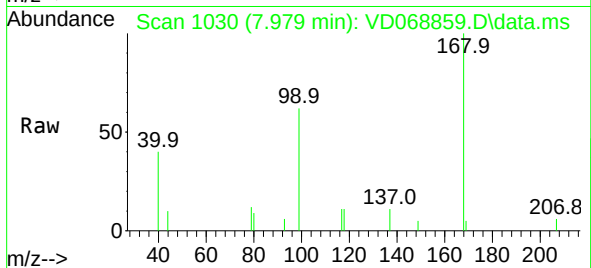




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40

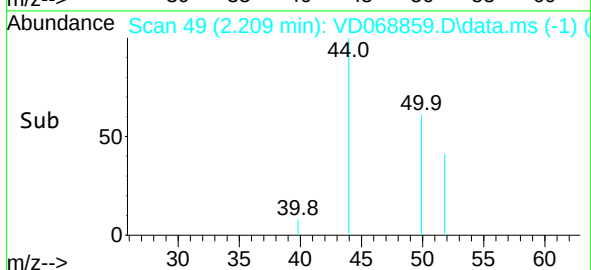
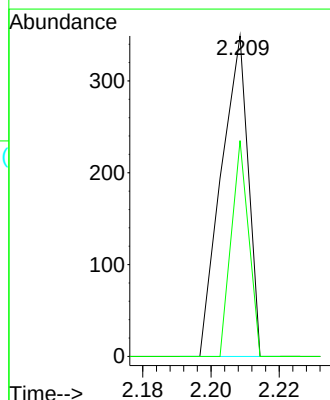
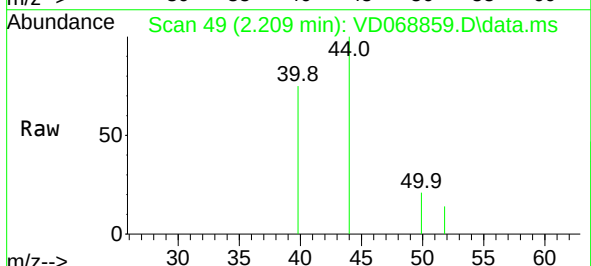
Instrument :
MSVOA_D
ClientSampled :

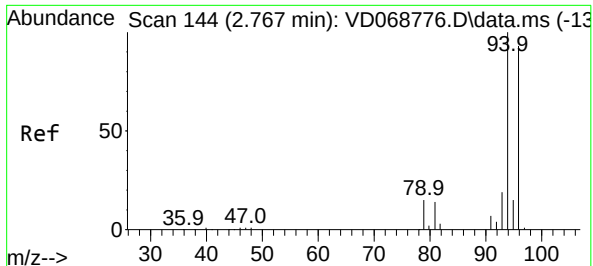
Tgt Ion:168 Resp: 6655
Ion Ratio Lower Upper
168 100
99 61.9 46.2 69.2



#3
Chloromethane
Concen: 2.48 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40

Tgt Ion: 50 Resp: 192
Ion Ratio Lower Upper
50 100
52 67.3 26.7 40.1#





#5

Bromomethane

Concen: 11.50 ug/l

RT: 2.797 min Scan# 149

Delta R.T. 0.030 min

Lab File: VD068859.D

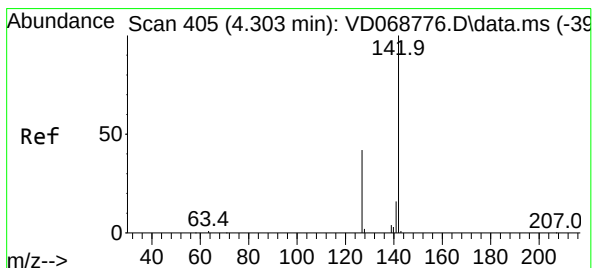
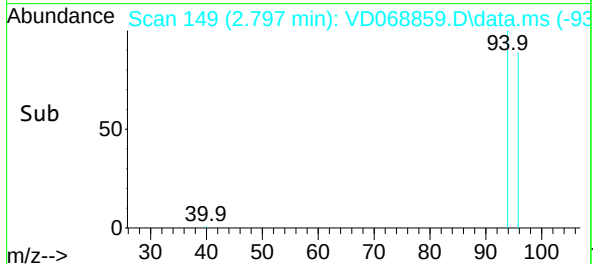
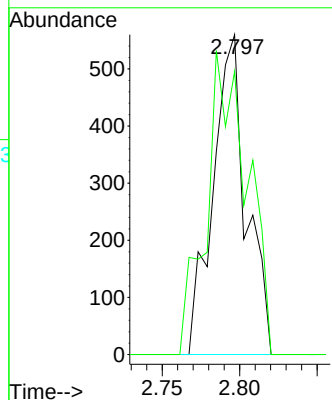
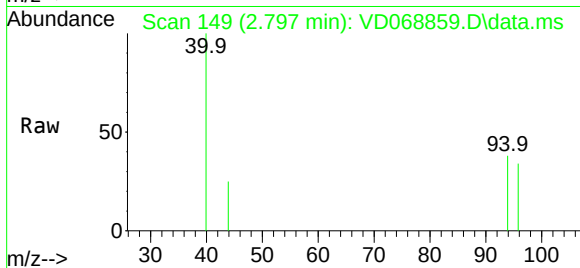
Acq: 15 Apr 2021 16:40

Tgt Ion: 94 Resp: 837

Ion Ratio Lower Upper

94 100

96 88.6 74.7 112.1



#10

Methyl Iodide

Concen: 5.00 ug/l

RT: 4.320 min Scan# 408

Delta R.T. 0.017 min

Lab File: VD068859.D

Acq: 15 Apr 2021 16:40

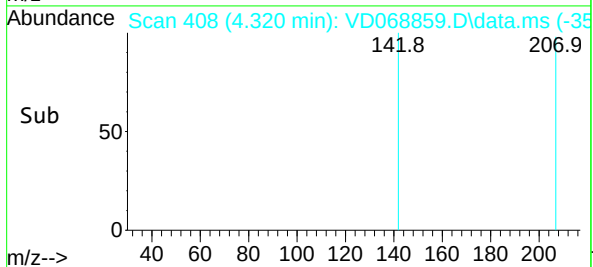
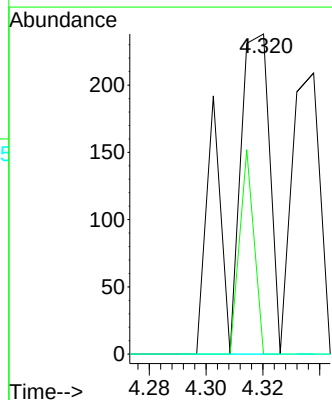
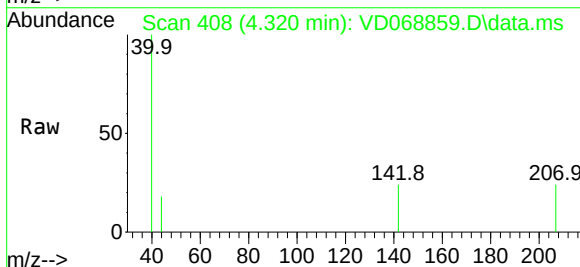
Tgt Ion: 142 Resp: 233

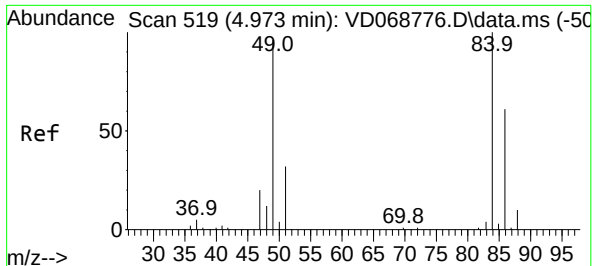
Ion Ratio Lower Upper

142 100

127 23.2 34.7 52.1#

141 0.0 11.0 16.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.985 min Scan# 521

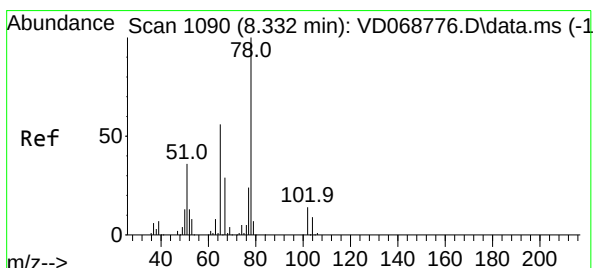
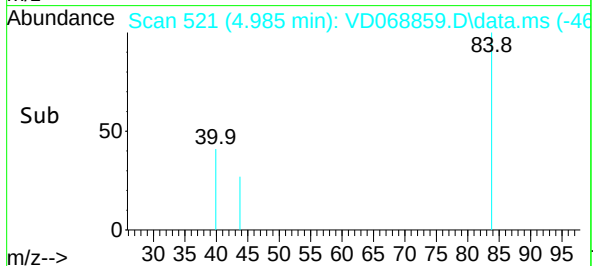
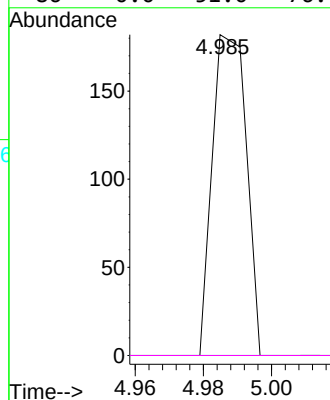
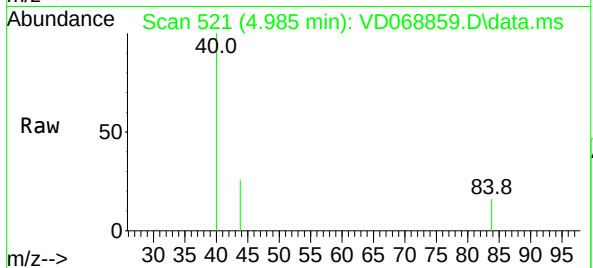
Delta R.T. 0.012 min

Lab File: VD068859.D

Acq: 15 Apr 2021 16:40

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 84	Resp: 126
Ion Ratio	Lower Upper
84 100	
49 0.0	83.4 125.0#
51 0.0	23.4 35.2#
86 0.0	51.0 76.4#



#33

1,2-Dichloroethane-d4

Concen: 68.77 ug/l

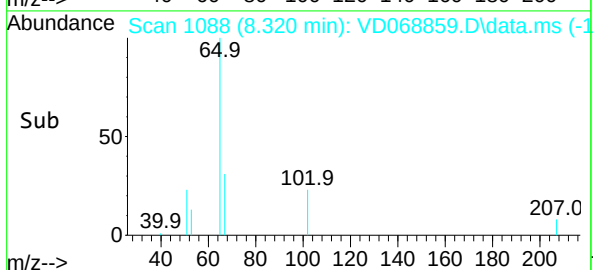
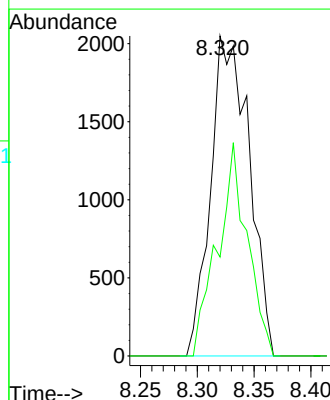
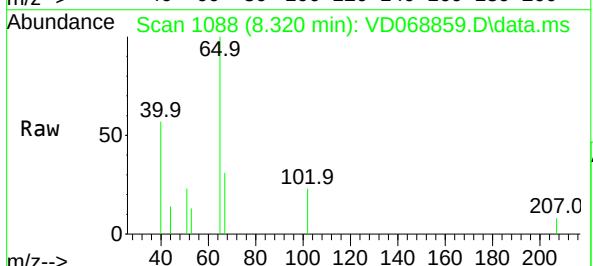
RT: 8.320 min Scan# 1088

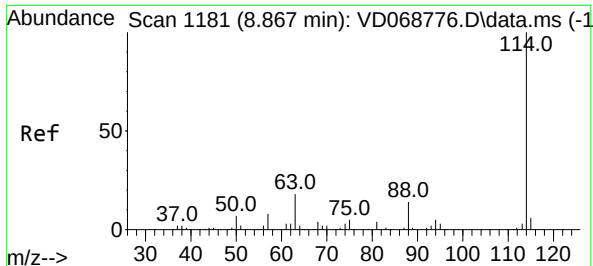
Delta R.T. -0.012 min

Lab File: VD068859.D

Acq: 15 Apr 2021 16:40

Tgt Ion: 65	Resp: 4837
Ion Ratio	Lower Upper
65 100	
67 51.5	0.0 106.0

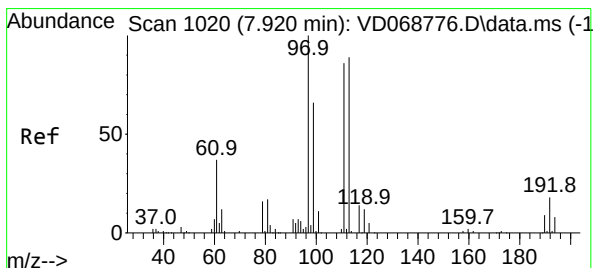
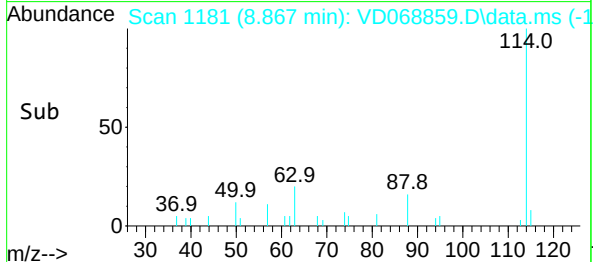
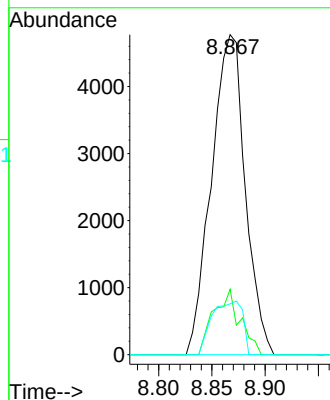
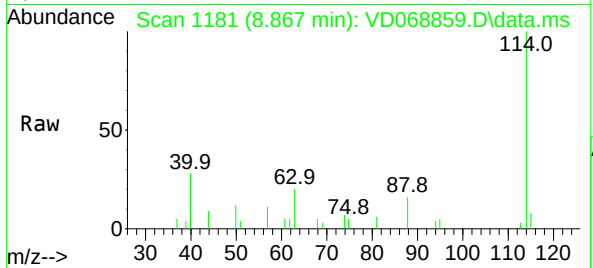




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40

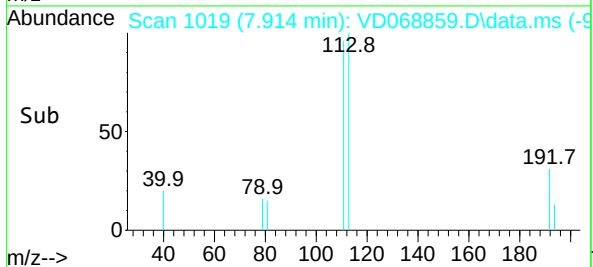
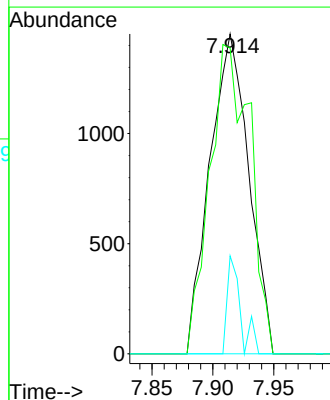
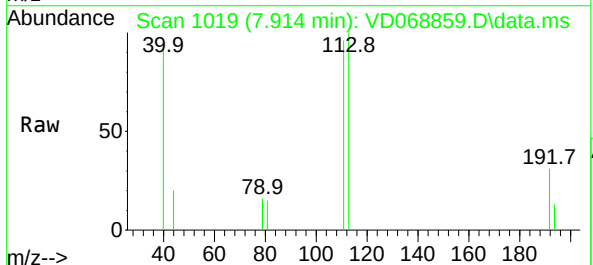
Instrument :
MSVOA_D
ClientSampled :

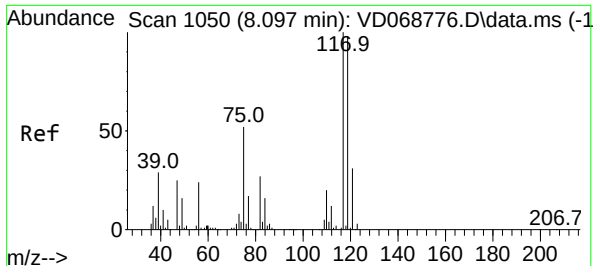
Tgt Ion:114 Resp: 10532
Ion Ratio Lower Upper
114 100
63 20.4 0.0 38.2
88 15.9 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.16 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40

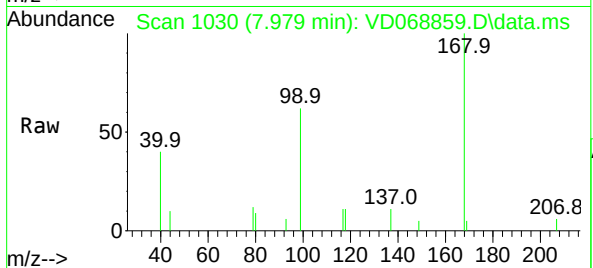
Tgt Ion:113 Resp: 3231
Ion Ratio Lower Upper
113 100
111 100.3 82.5 123.7
192 10.5 15.1 22.7#



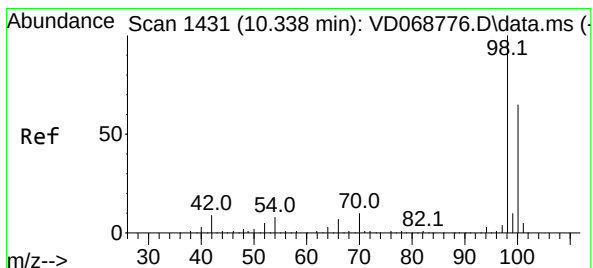
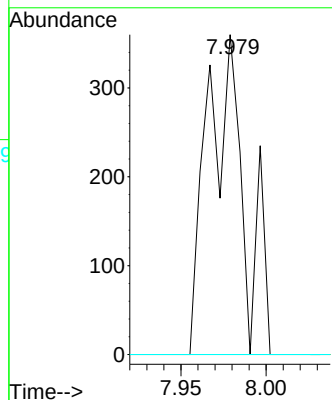
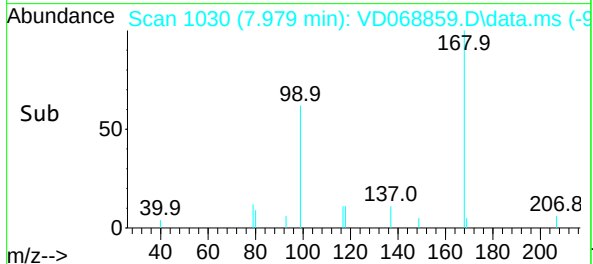


#38
Carbon Tetrachloride
Concen: 5.12 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40

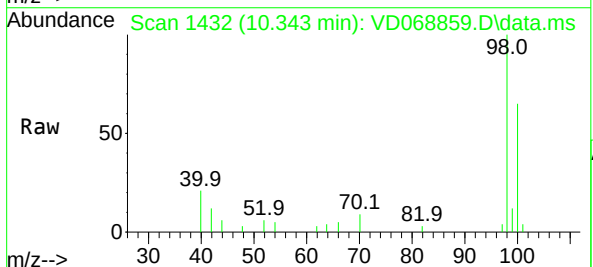
Instrument :
MSVOA_D
ClientSampleId :



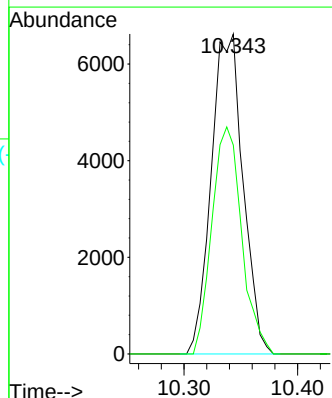
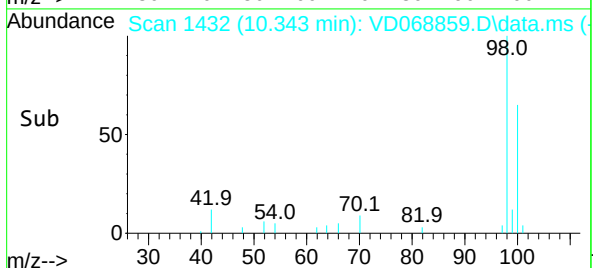
Tgt Ion:117 Resp: 540
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 26.1 39.1#

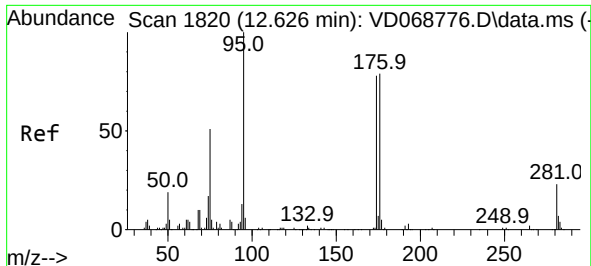


#50
Toluene-d8
Concen: 49.76 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.005 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40



Tgt Ion: 98 Resp: 12858
Ion Ratio Lower Upper
98 100
100 66.6 51.8 77.6

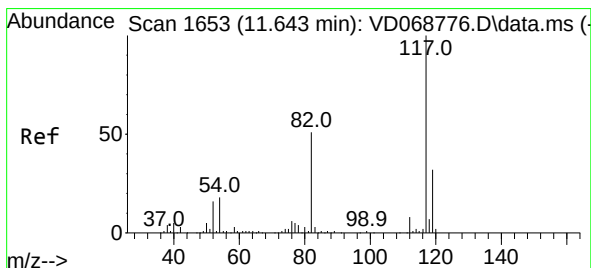
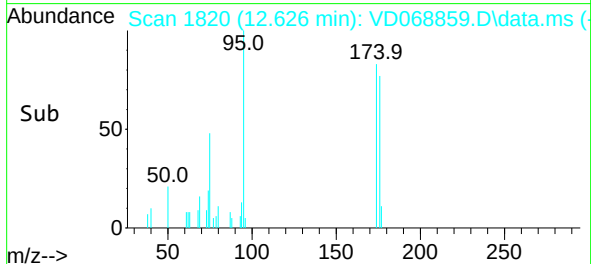
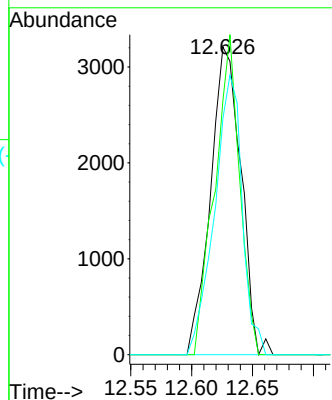
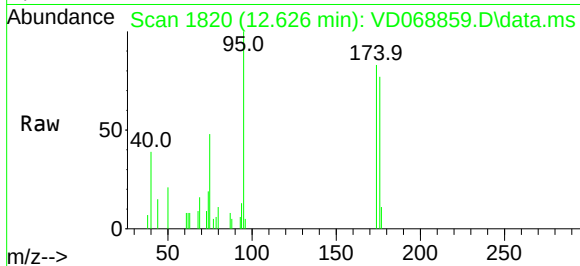




#62
4-Bromofluorobenzene
Concen: 65.07 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40

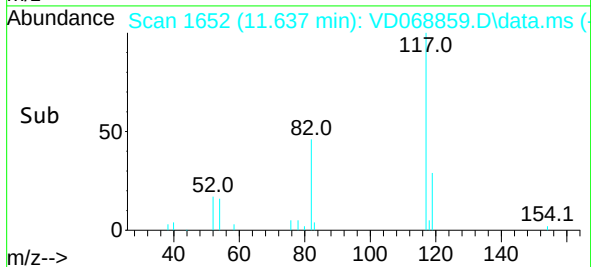
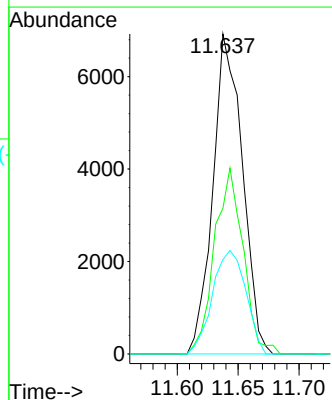
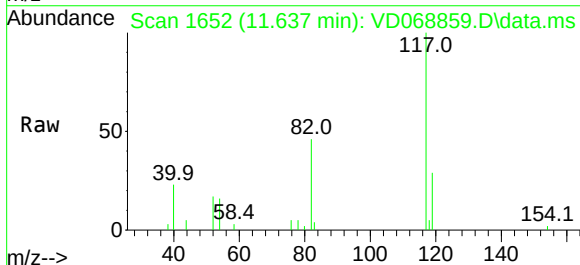
Instrument :
MSVOA_D
ClientSampleId :

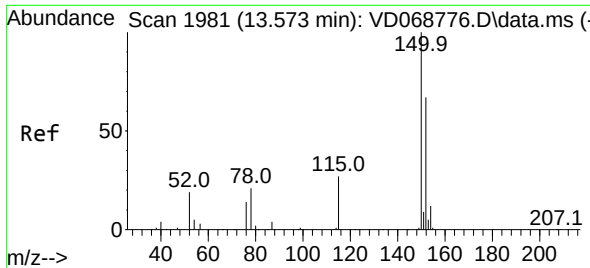
Tgt Ion: 95 Resp: 5585
Ion Ratio Lower Upper
95 100
174 85.4 0.0 168.0
176 82.4 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.006 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40

Tgt Ion: 117 Resp: 11677
Ion Ratio Lower Upper
117 100
82 45.6 43.5 65.3
119 29.5 26.7 40.1

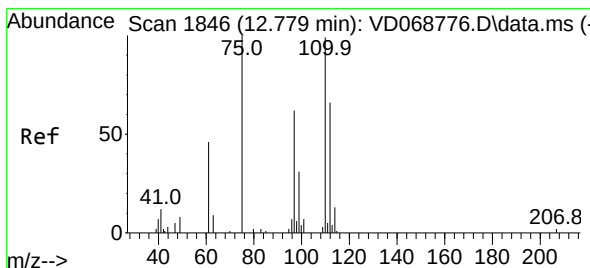
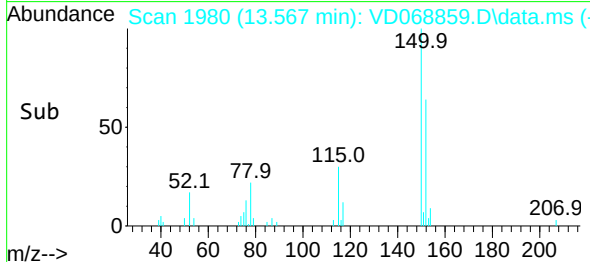
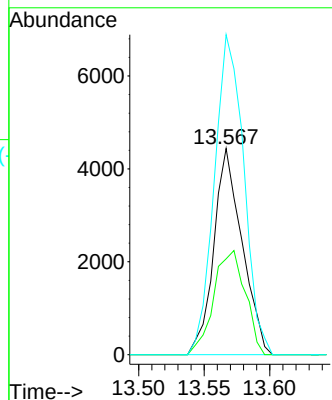
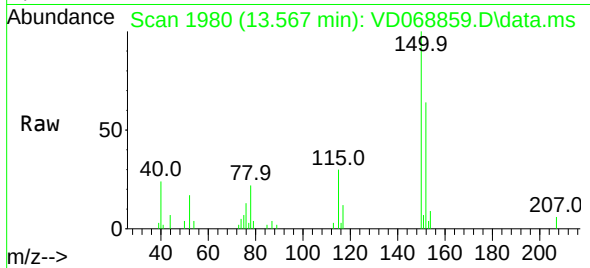




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40

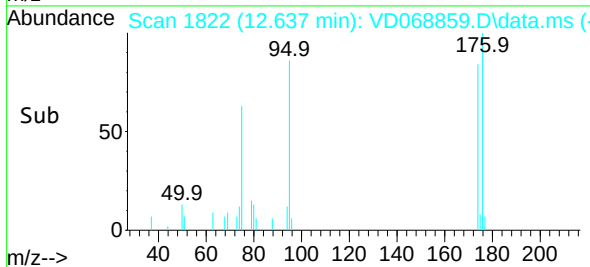
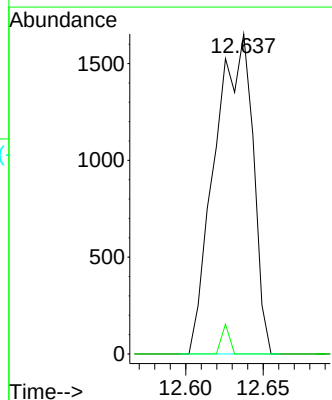
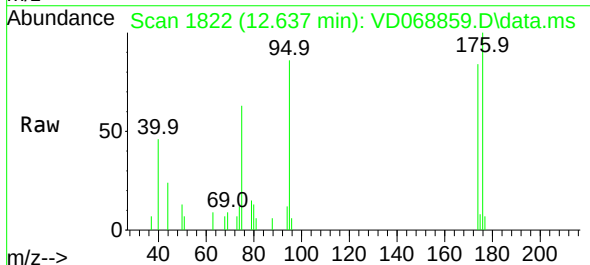
Instrument :
MSVOA_D
ClientSampleId :

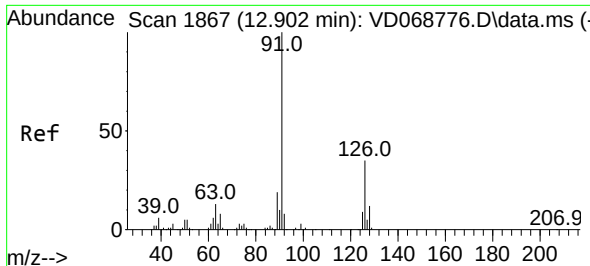
Tgt Ion:152 Resp: 6672
Ion Ratio Lower Upper
152 100
115 56.1 29.3 87.8
150 161.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 46.23 ug/l
RT: 12.637 min Scan# 1822
Delta R.T. -0.142 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40

Tgt Ion: 75 Resp: 2818
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#

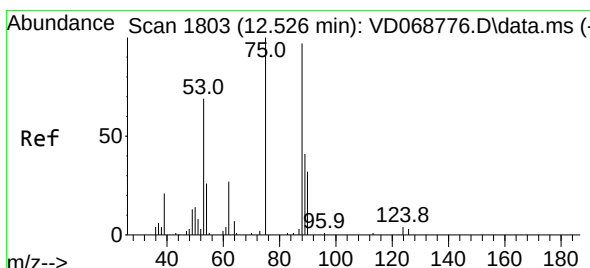
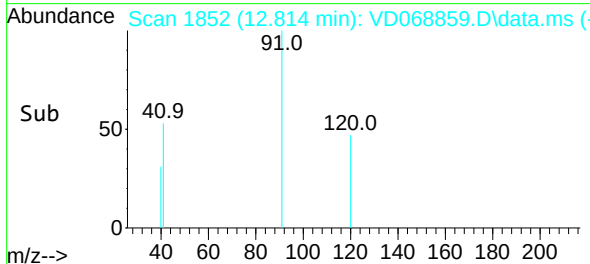
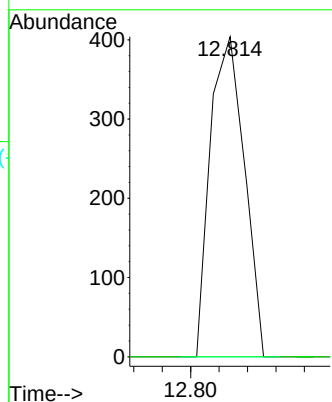
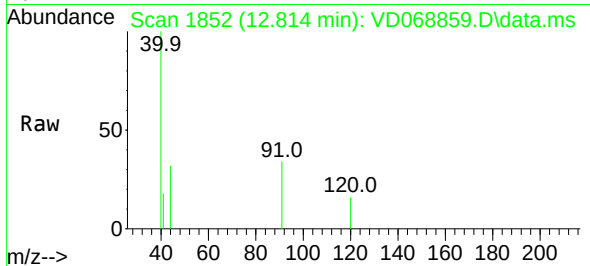




#79
2-Chlorotoluene
Concen: 1.02 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. -0.088 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40

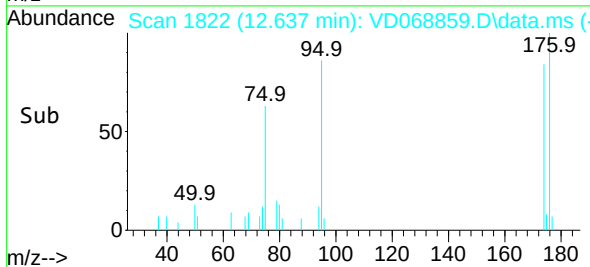
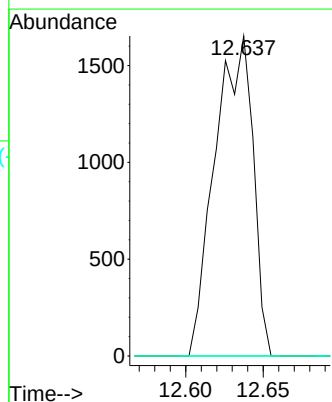
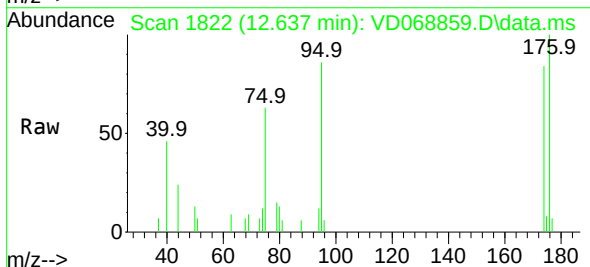
Instrument :
MSVOA_D
ClientSampled :

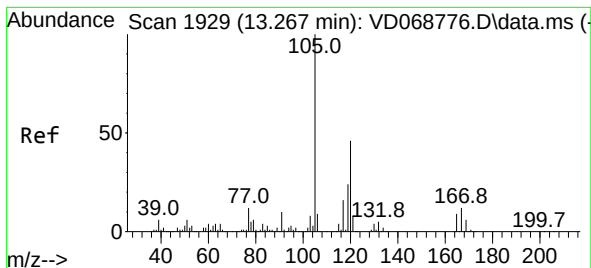
Tgt Ion: 91 Resp: 337
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.29 ug/l
RT: 12.637 min Scan# 1822
Delta R.T. 0.111 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40

Tgt Ion: 75 Resp: 2818
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 36.6 54.8#

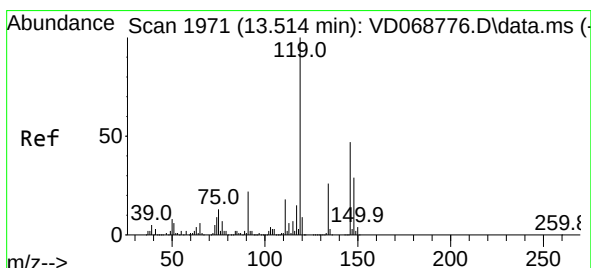
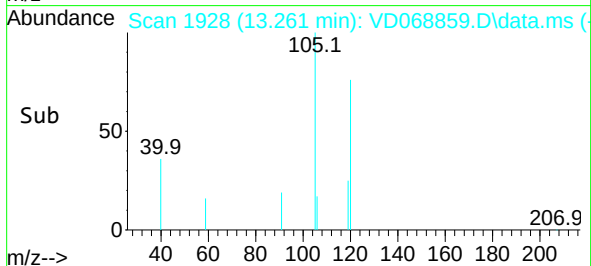
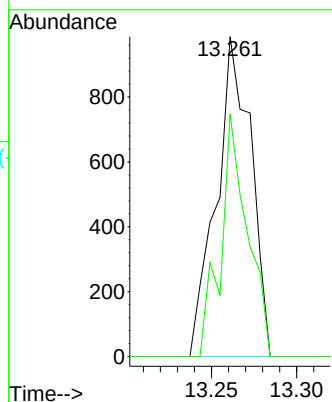
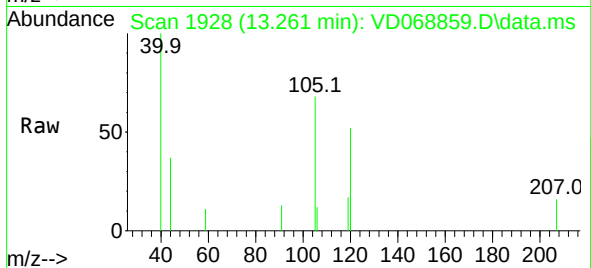




#84
1,2,4-Trimethylbenzene
Concen: 3.37 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.006 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40

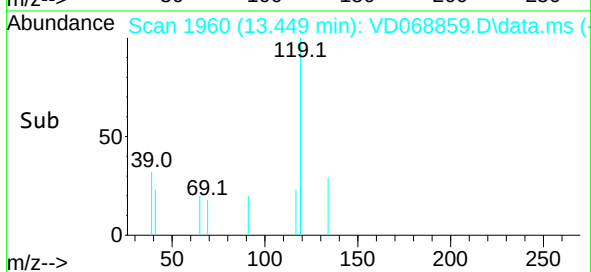
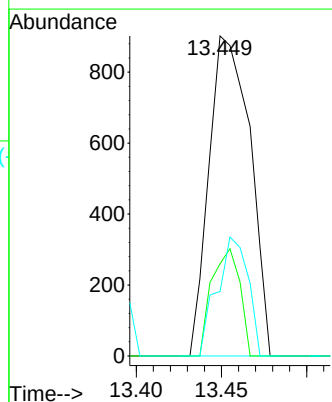
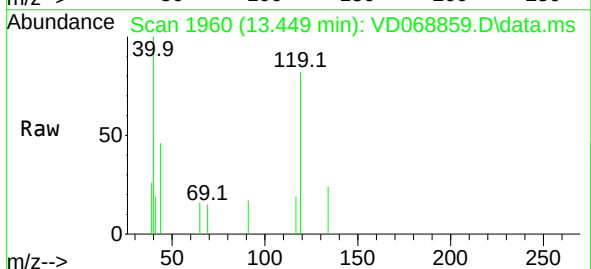
Instrument :
MSVOA_D
ClientSampled :

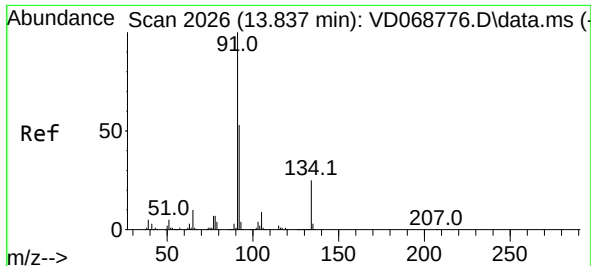
Tgt Ion:105 Resp: 1388
Ion Ratio Lower Upper
105 100
120 59.0 22.6 67.7



#86
p-Isopropyltoluene
Concen: 3.39 ug/l
RT: 13.449 min Scan# 1960
Delta R.T. -0.065 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40

Tgt Ion:119 Resp: 1510
Ion Ratio Lower Upper
119 100
134 22.8 13.3 39.9
91 28.0 11.1 33.1

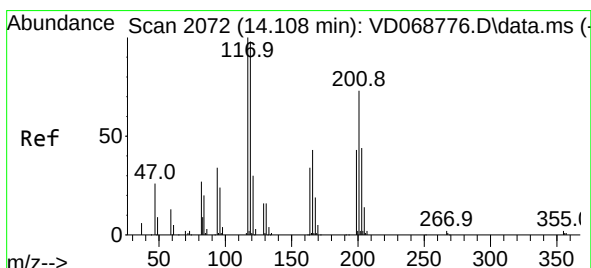
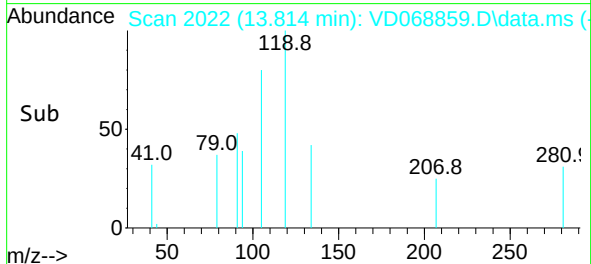
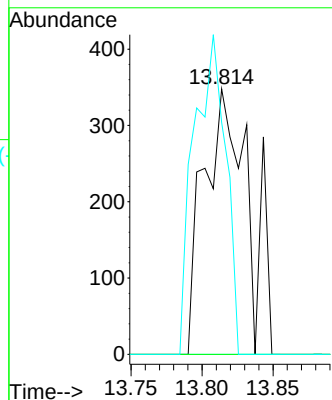
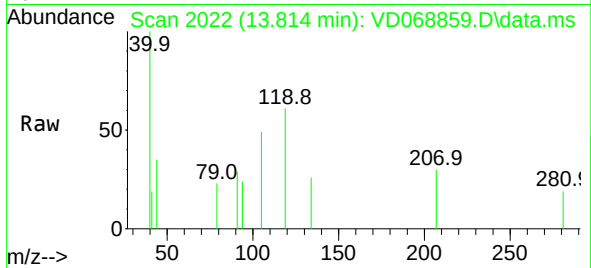




#89
n-Butylbenzene
Concen: 1.82 ug/l
RT: 13.814 min Scan# 2022
Delta R.T. -0.023 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 91 Resp: 763
Ion Ratio Lower Upper
91 100
92 0.0 26.7 80.1#
134 85.1 12.9 38.6#



#90
Hexachloroethane
Concen: 7.74 ug/l
RT: 14.114 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VD068859.D
Acq: 15 Apr 2021 16:40

Tgt Ion: 117 Resp: 687
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.2#

