

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030221\
 Data File : VD068489.D
 Acq On : 02 Mar 2021 11:57
 Operator : VA/SY
 Sample : M1527-02
 Misc : 4.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 02 23:56:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	91982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	163324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	165509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	77493	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	60560	65.90	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.80%
35) Dibromofluoromethane	7.914	113	55334	56.24	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.48%
50) Toluene-d8	10.344	98	207279	52.89	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.78%
62) 4-Bromofluorobenzene	12.632	95	67314	53.30	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.60%

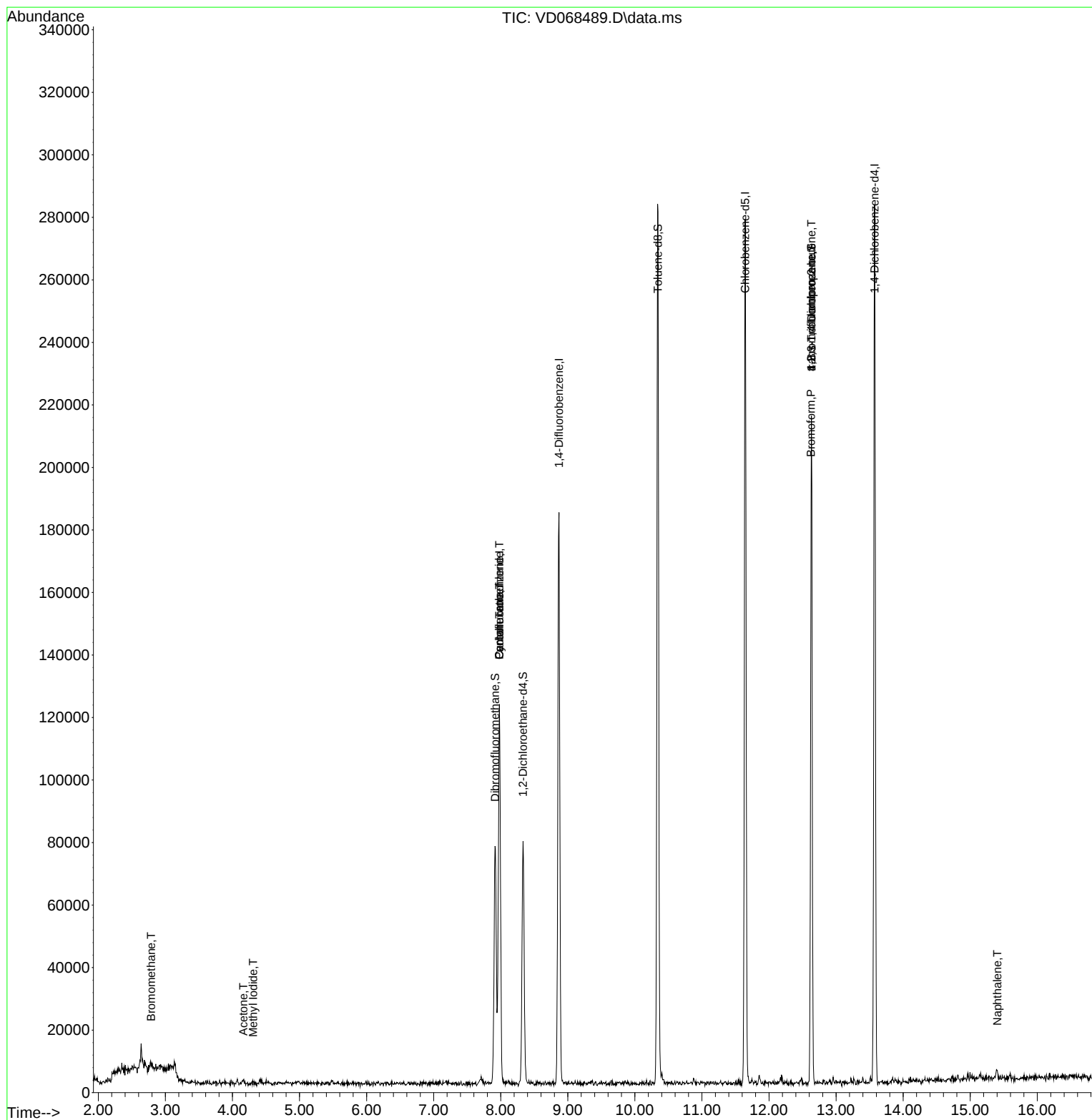
Target Compounds						Qvalue
5) Bromomethane	2.785	94	1210	1.27	ug/l	98
10) Methyl Iodide	4.309	142	330	2.90	ug/l #	60
16) Acetone	4.162	43	609	4.17	ug/l #	44
20) Methylene Chloride	4.962	84	465	Below Cal	#	17
31) Cyclohexane	7.979	56	2618	1.57	ug/l #	77
38) Carbon Tetrachloride	7.979	117	8045	5.52	ug/l #	17
71) Bromoform	12.626	173	604	1.01	ug/l #	28
76) 1,2,3-Trichloropropane	12.632	75	34939	50.79	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	34939	118.52	ug/l #	13
95) Naphthalene	15.402	128	3939	1.30	ug/l #	94

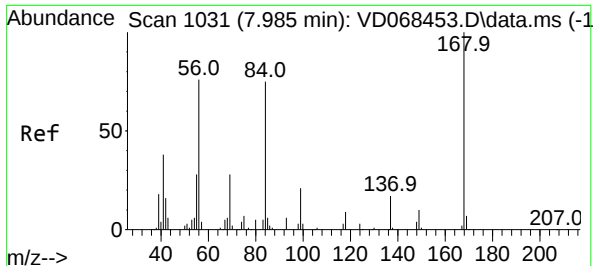
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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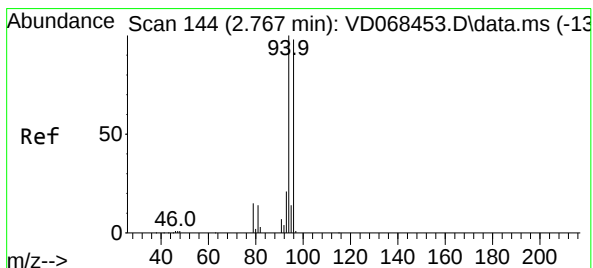
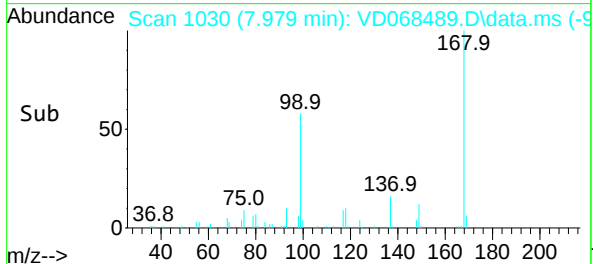
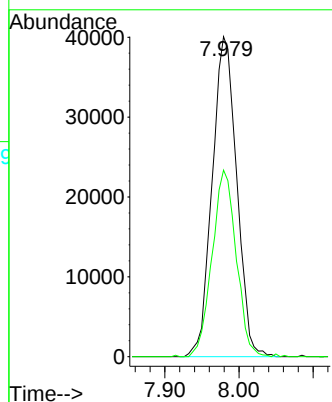
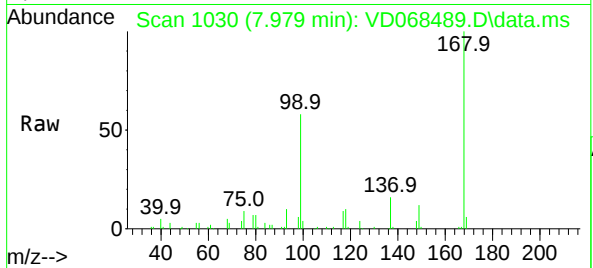




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068489.D
Acq: 02 Mar 2021 11:57

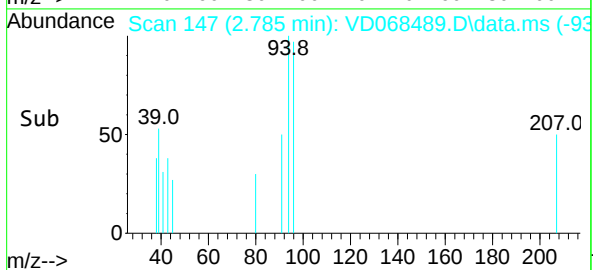
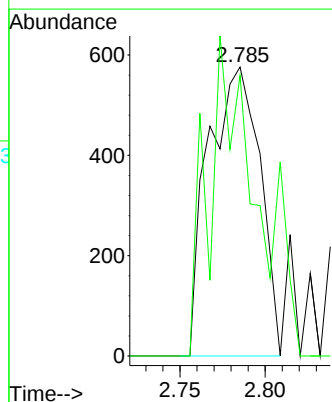
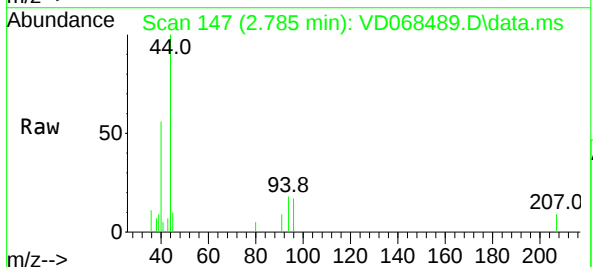
Instrument :
MSVOA_D
ClientSampled :

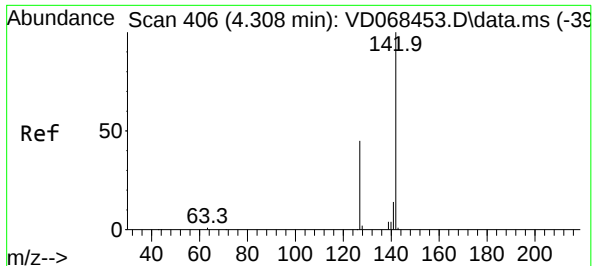
Tgt Ion:168 Resp: 91982
Ion Ratio Lower Upper
168 100
99 58.3 43.5 65.3



#5
Bromomethane
Concen: 1.27 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.018 min
Lab File: VD068489.D
Acq: 02 Mar 2021 11:57

Tgt Ion: 94 Resp: 1210
Ion Ratio Lower Upper
94 100
96 97.0 75.8 113.8





#10

Methyl Iodide

Concen: 2.90 ug/l

RT: 4.309 min Scan# 406

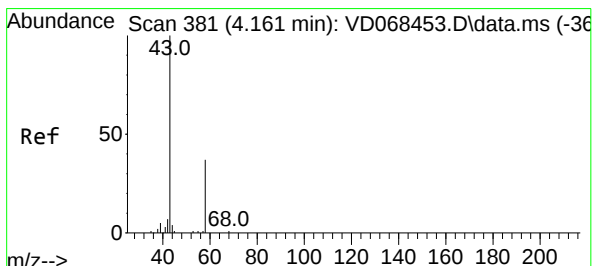
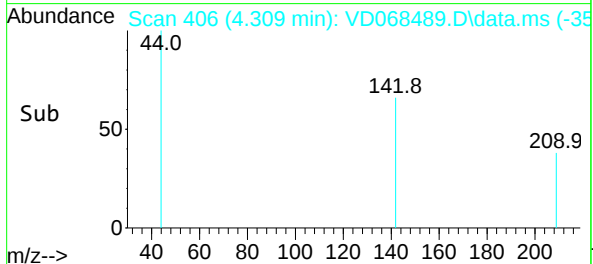
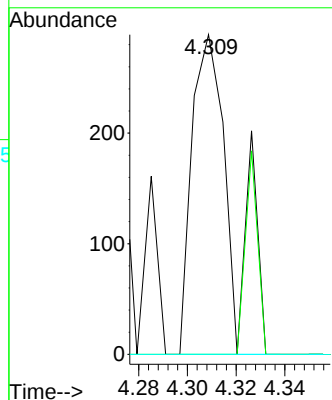
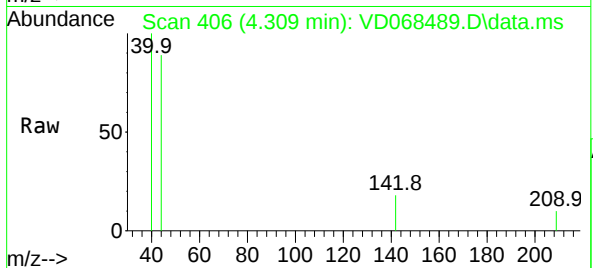
Delta R.T. 0.001 min

Lab File: VD068489.D

Acq: 02 Mar 2021 11:57

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	142	Resp:	330
Ion	Ratio	Lower	Upper
142	100		
127	19.7	37.9	56.9#
141	0.0	11.5	17.3#



#16

Acetone

Concen: 4.17 ug/l

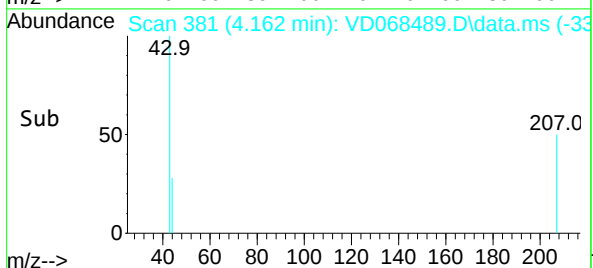
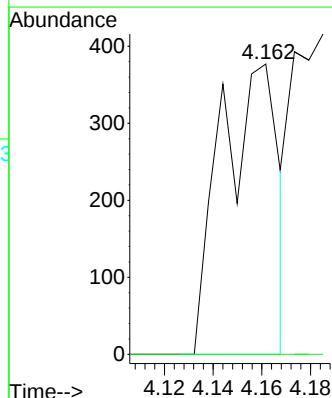
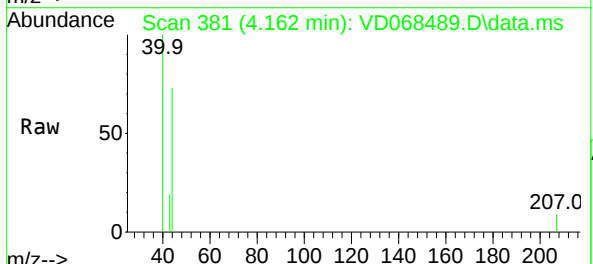
RT: 4.162 min Scan# 381

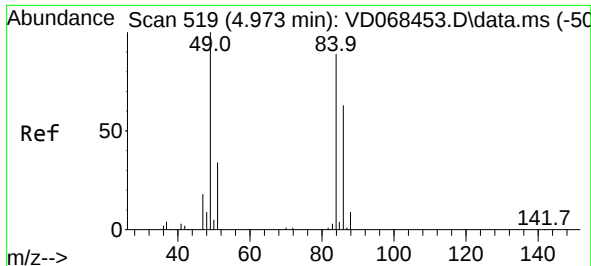
Delta R.T. 0.000 min

Lab File: VD068489.D

Acq: 02 Mar 2021 11:57

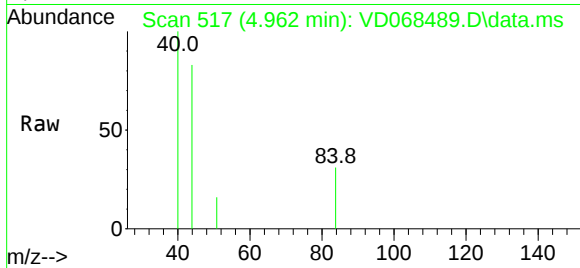
Tgt Ion:	43	Resp:	609
Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.2	36.4#



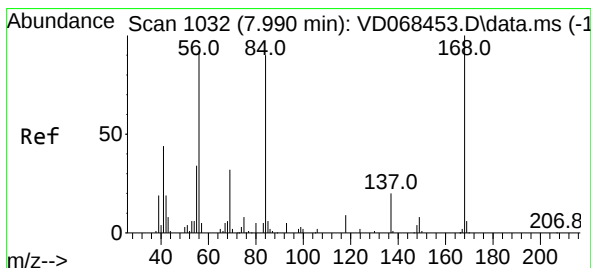
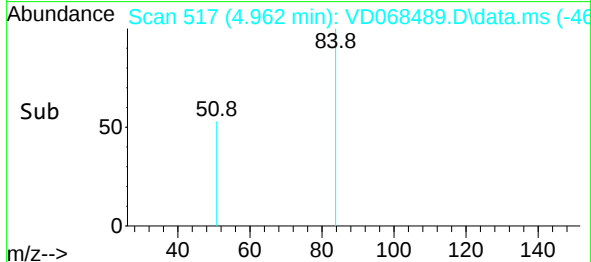
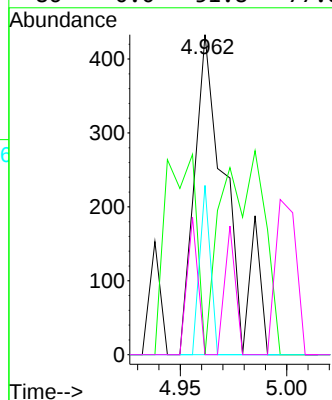


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.011 min
Lab File: VD068489.D
Acq: 02 Mar 2021 11:57

Instrument :
MSVOA_D
ClientSampled :

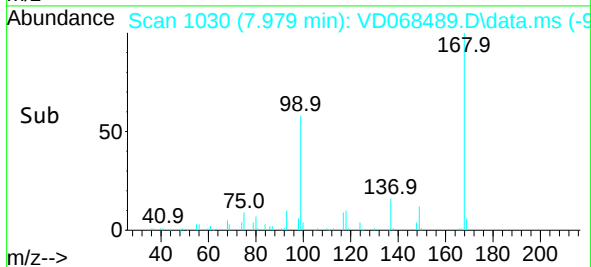
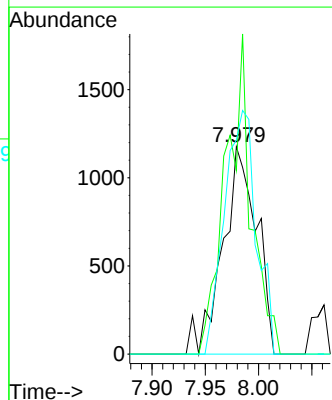
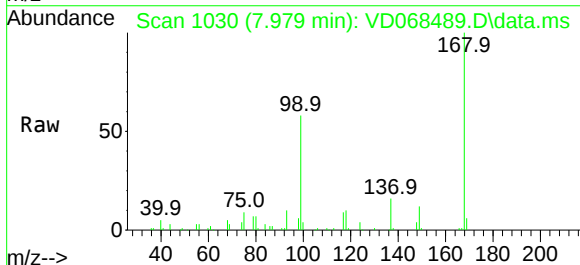


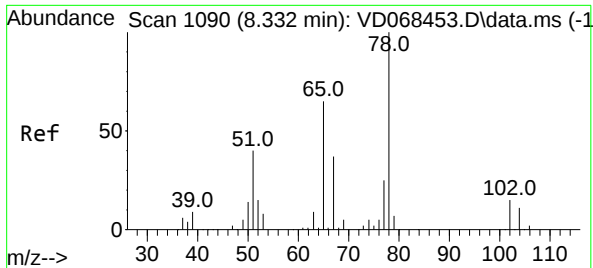
Tgt Ion:	84	Resp:	465
Ion	Ratio	Lower	Upper
84	100		
49	0.0	77.4	116.2#
51	52.9	26.1	39.1#
86	0.0	51.8	77.8#



#31
Cyclohexane
Concen: 1.57 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD068489.D
Acq: 02 Mar 2021 11:57

Tgt Ion:	56	Resp:	2618
Ion	Ratio	Lower	Upper
56	100		
69	88.6	30.1	45.1#
84	103.2	82.1	123.1

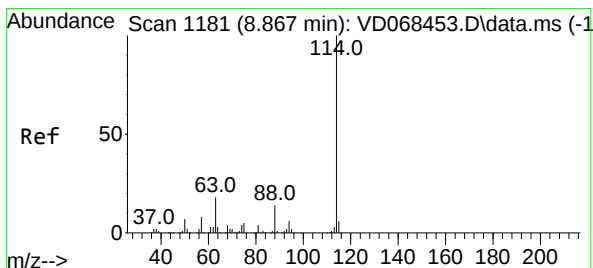
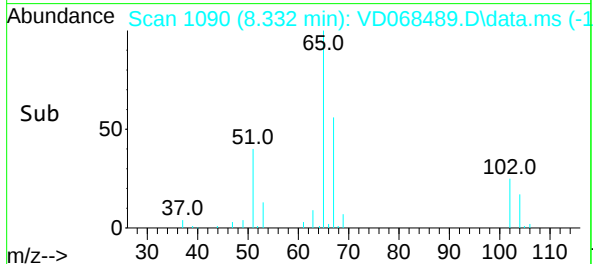
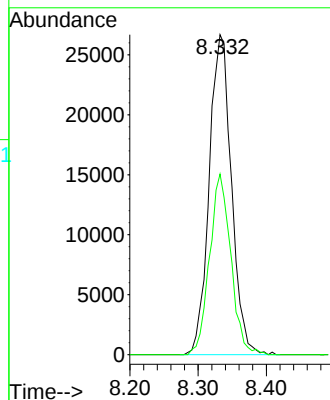
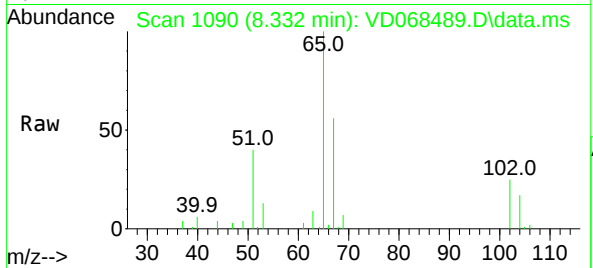




#33
1,2-Dichloroethane-d4
Concen: 65.90 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068489.D
Acq: 02 Mar 2021 11:57

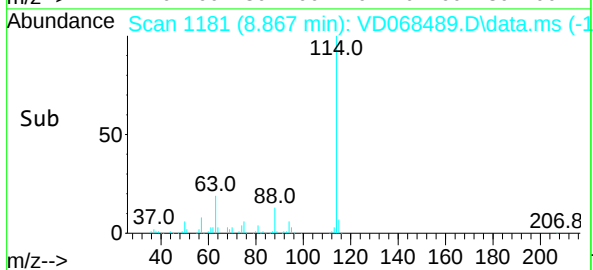
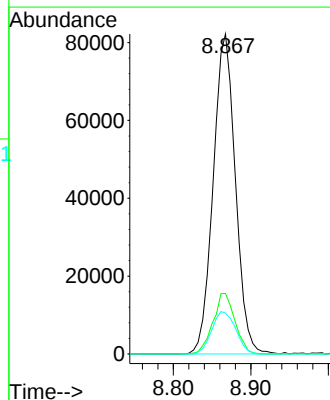
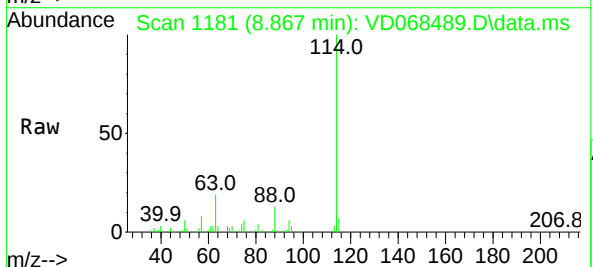
Instrument :
MSVOA_D
ClientSampled :

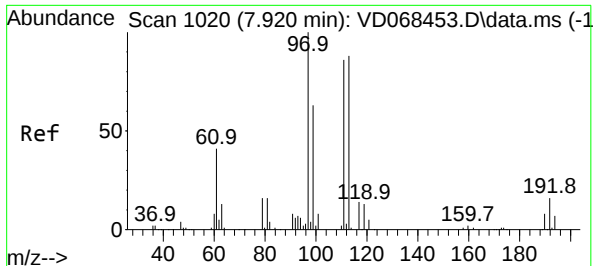
Tgt Ion: 65 Resp: 60560
Ion Ratio Lower Upper
65 100
67 54.0 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068489.D
Acq: 02 Mar 2021 11:57

Tgt Ion: 114 Resp: 163324
Ion Ratio Lower Upper
114 100
63 18.9 0.0 34.8
88 12.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 56.24 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.005 min

Lab File: VD068489.D

Acq: 02 Mar 2021 11:57

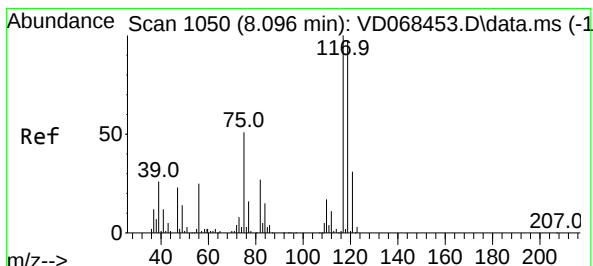
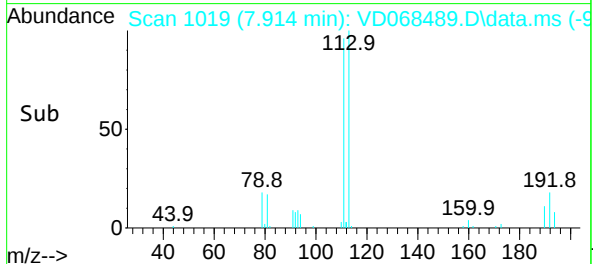
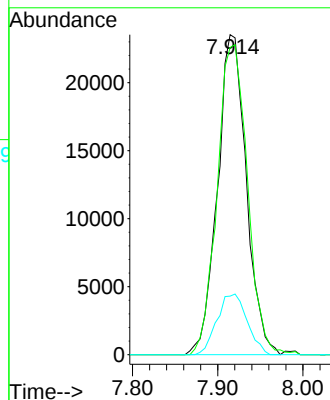
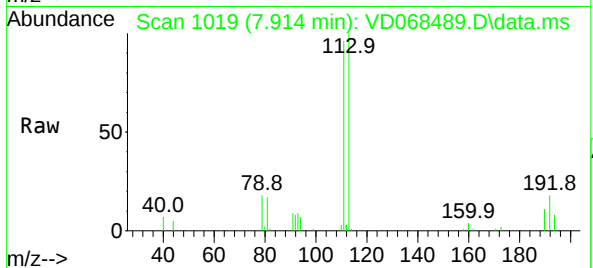
Tgt Ion:113 Resp: 55334

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

192 19.8 16.1 24.1



#38

Carbon Tetrachloride

Concen: 5.52 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.117 min

Lab File: VD068489.D

Acq: 02 Mar 2021 11:57

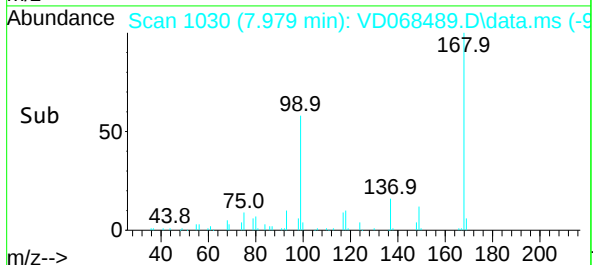
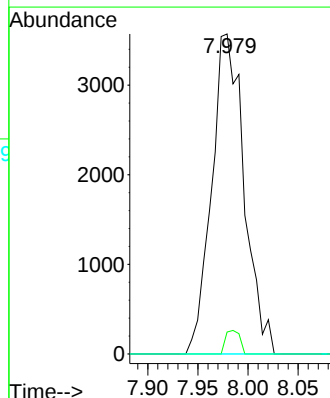
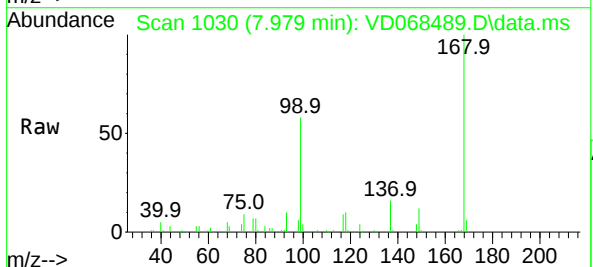
Tgt Ion:117 Resp: 8045

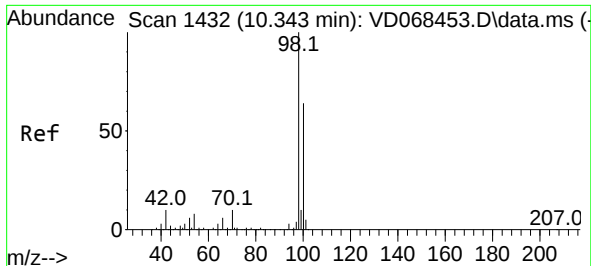
Ion Ratio Lower Upper

117 100

119 6.9 77.3 115.9#

121 0.0 24.7 37.1#

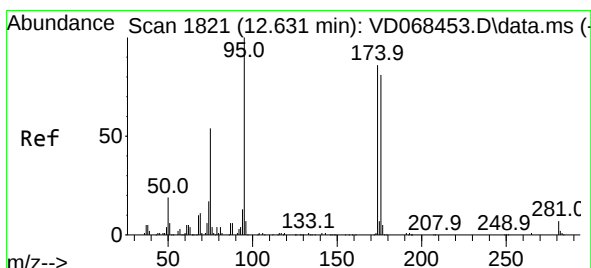
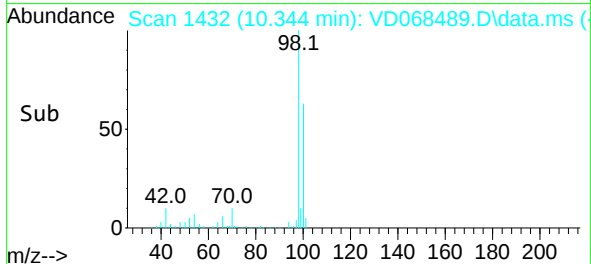
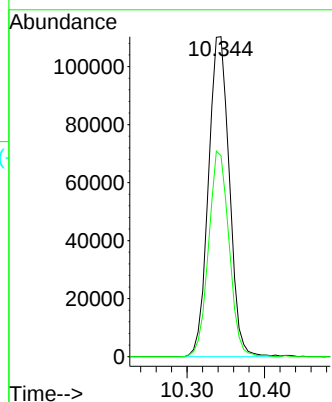
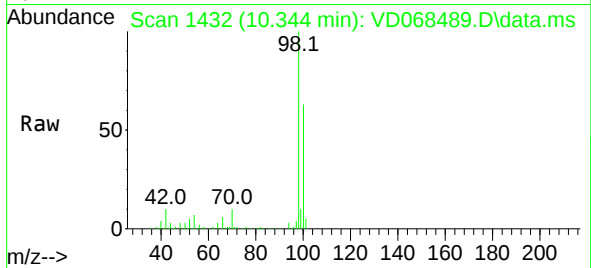




#50
Toluene-d8
Concen: 52.89 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068489.D
Acq: 02 Mar 2021 11:57

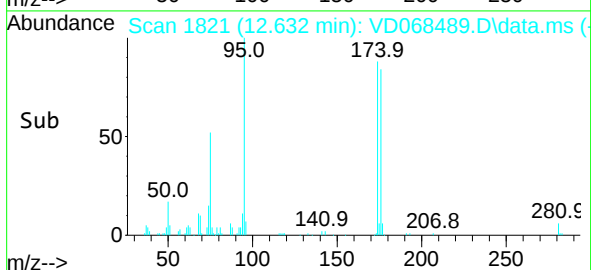
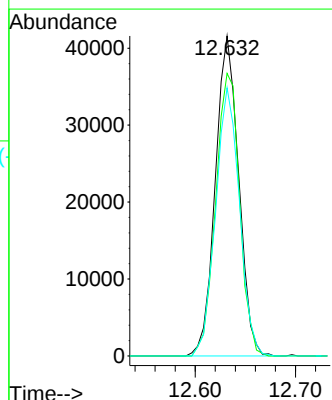
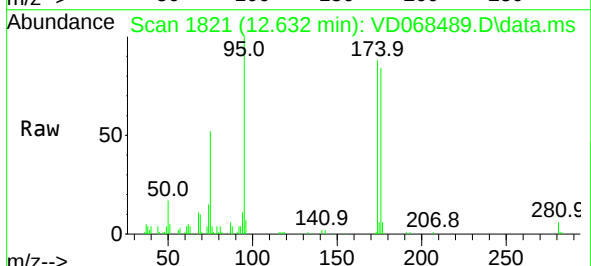
Instrument :
MSVOA_D
ClientSampled :

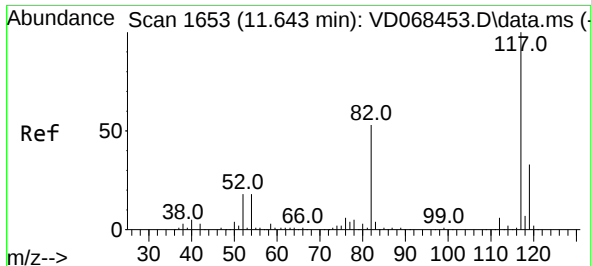
Tgt Ion: 98 Resp: 207279
Ion Ratio Lower Upper
98 100
100 62.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 53.30 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068489.D
Acq: 02 Mar 2021 11:57

Tgt Ion: 95 Resp: 67314
Ion Ratio Lower Upper
95 100
174 90.3 0.0 172.4
176 85.6 0.0 168.4

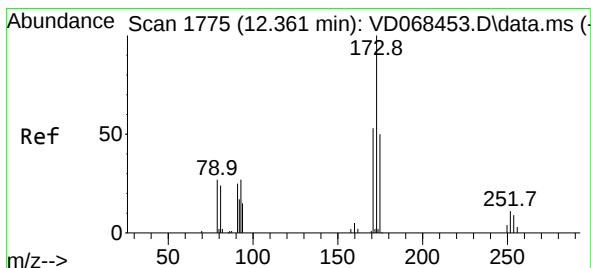
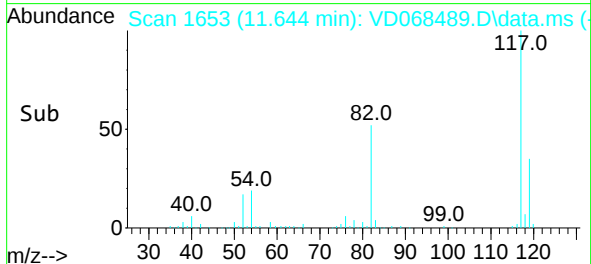
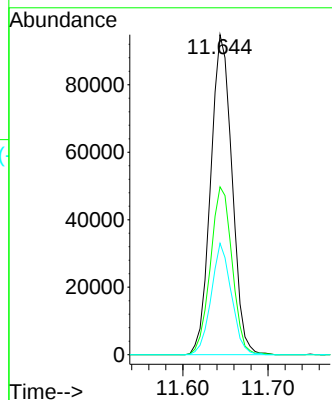
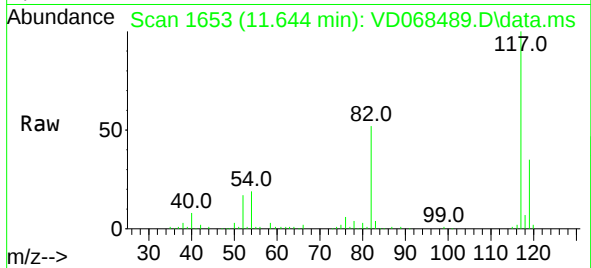




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068489.D
Acq: 02 Mar 2021 11:57

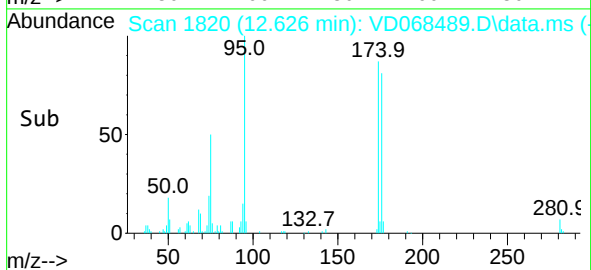
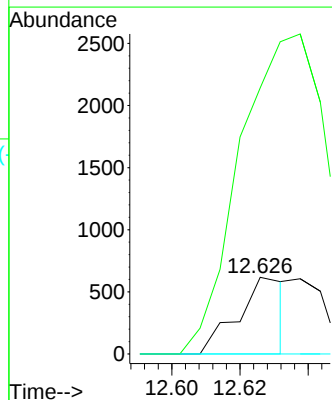
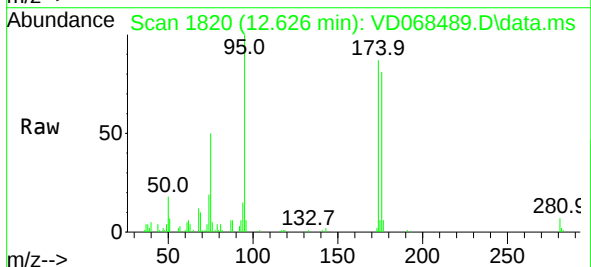
Instrument :
MSVOA_D
ClientSampled :

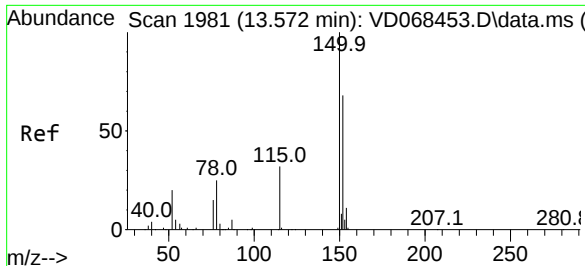
Tgt Ion:117 Resp: 165509
Ion Ratio Lower Upper
117 100
82 52.5 41.4 62.0
119 34.8 26.1 39.1



#71
Bromoform
Concen: 1.01 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.265 min
Lab File: VD068489.D
Acq: 02 Mar 2021 11:57

Tgt Ion:173 Resp: 604
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0

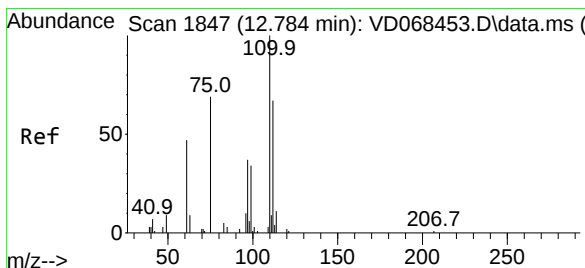
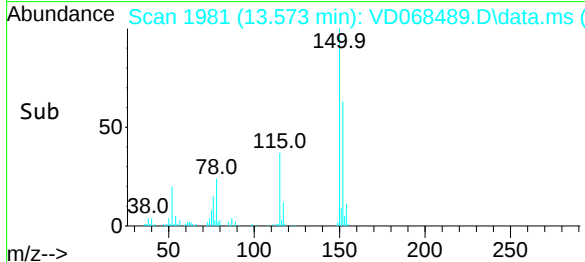
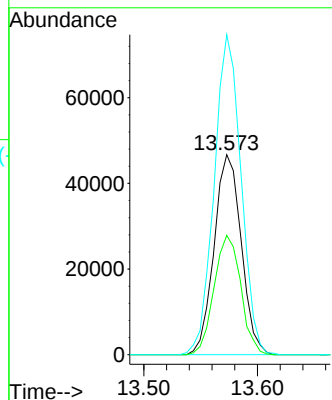
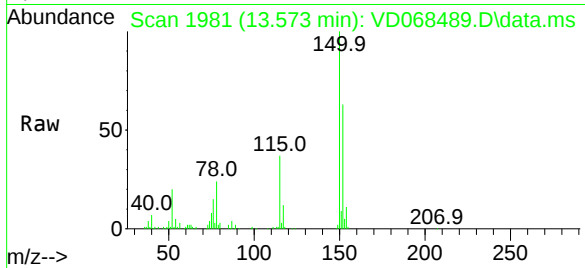




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.001 min
 Lab File: VD068489.D
 Acq: 02 Mar 2021 11:57

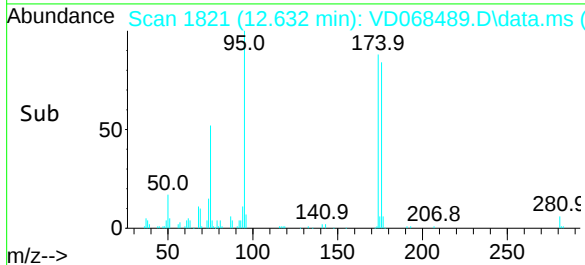
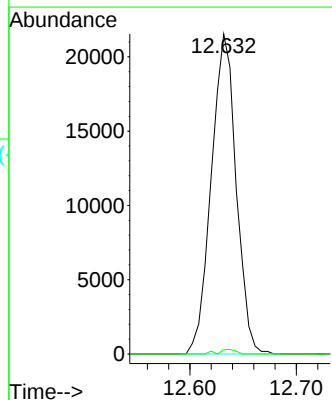
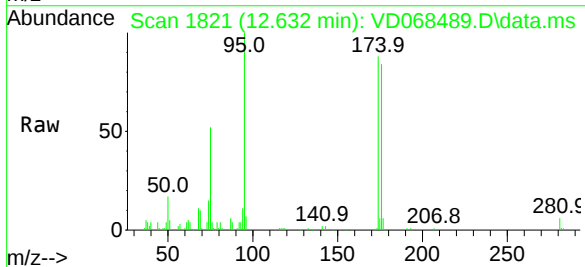
Instrument :
 MSVOA_D
 ClientSampled :

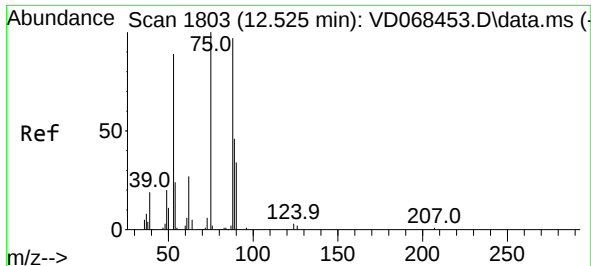
Tgt Ion:152 Resp: 77493
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.9 86.8
 150 158.5 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 50.79 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.152 min
 Lab File: VD068489.D
 Acq: 02 Mar 2021 11:57

Tgt Ion: 75 Resp: 34939
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

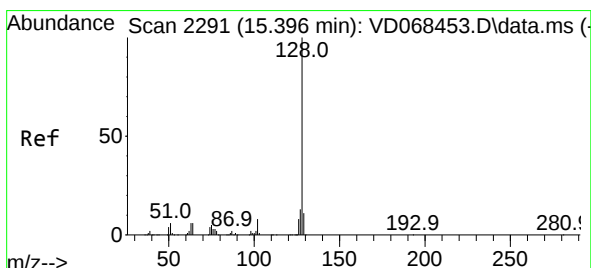
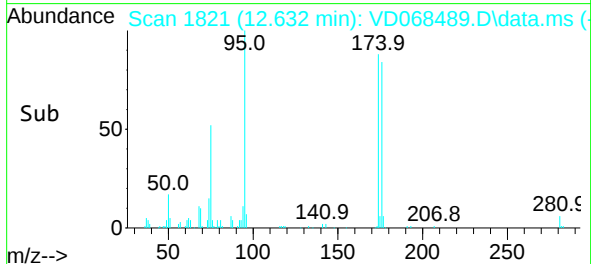
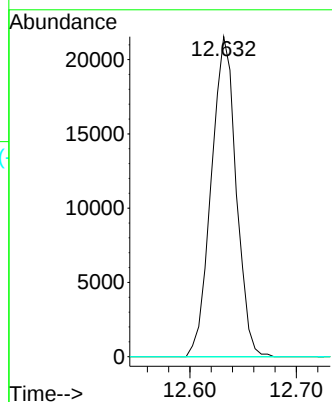
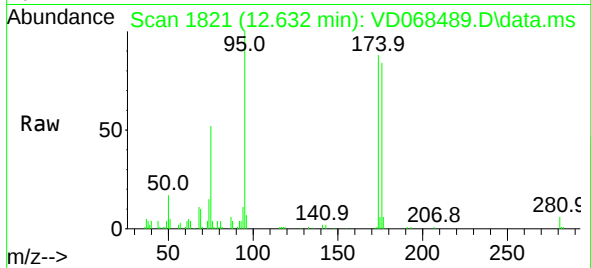




#81
trans-1,4-Dichloro-2-butene
Concen: 118.52 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068489.D
Acq: 02 Mar 2021 11:57

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 34939
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#



#95
Naphthalene
Concen: 1.30 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.006 min
Lab File: VD068489.D
Acq: 02 Mar 2021 11:57

Tgt Ion: 128 Resp: 3939
Ion Ratio Lower Upper
128 100
127 10.0 10.2 15.2#
129 8.9 8.8 13.2

