

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060121\
 Data File : VD069287.D
 Acq On : 01 Jun 2021 17:00
 Operator : VA/SY
 Sample : M2571-01
 Misc : 5.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 02 02:48:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	308262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	587085	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	563078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	257851	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	195848	66.21	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.42%
35) Dibromofluoromethane	7.914	113	214135	58.08	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.16%
50) Toluene-d8	10.338	98	722941	53.93	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.86%
62) 4-Bromofluorobenzene	12.632	95	240135	54.66	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.32%

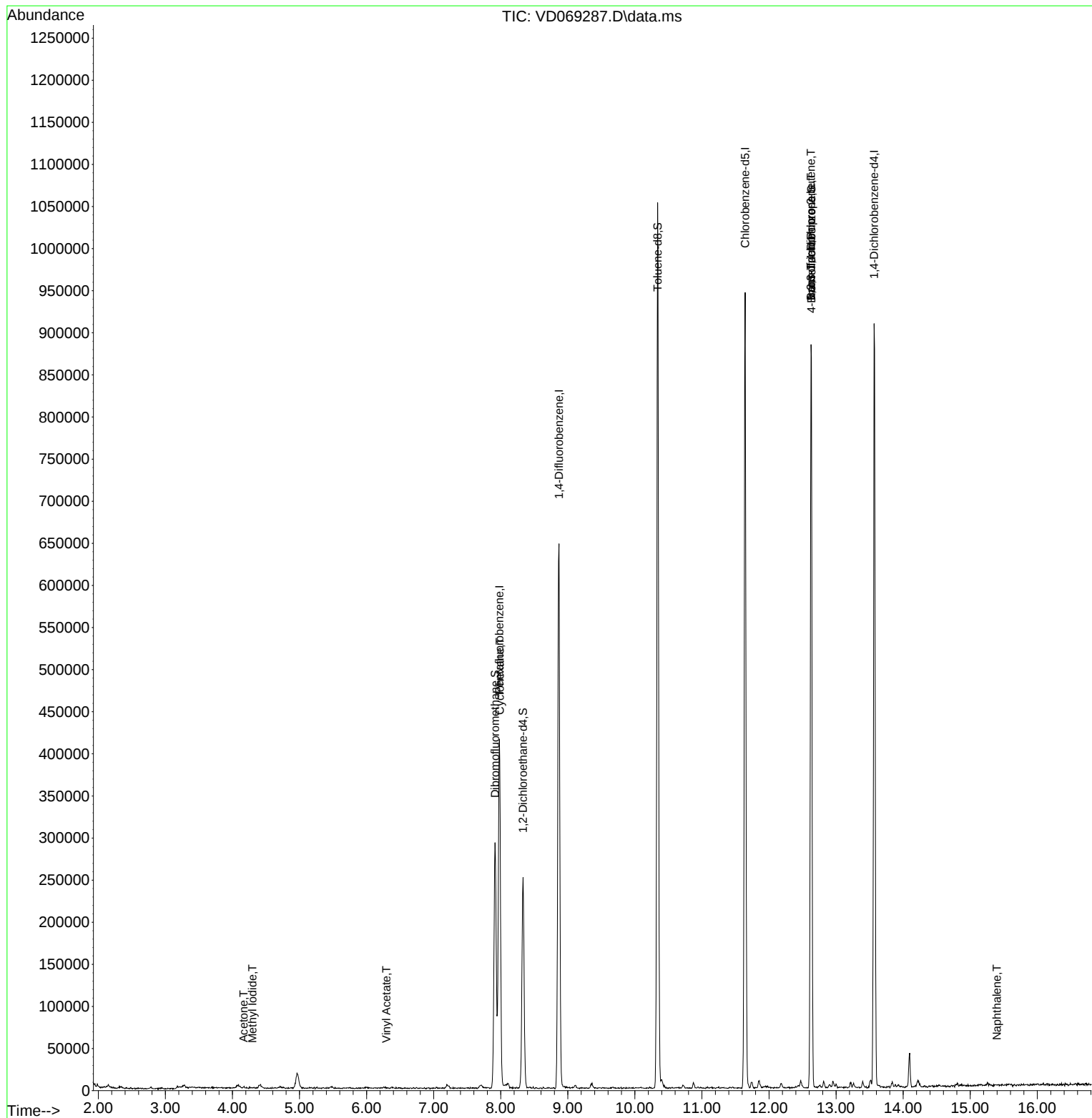
Target Compounds					Qvalue
10) Methyl Iodide	4.297	142	598	2.67 ug/l	# 82
11) Tert butyl alcohol	5.203	59	230	Below Cal	# 73
16) Acetone	4.168	43	1619	3.14 ug/l	92
20) Methylene Chloride	4.962	84	14581	Below Cal	# 87
23) Vinyl Acetate	6.297	43	728	11.76 ug/l	# 67
31) Cyclohexane	7.985	56	8012	1.70 ug/l	# 1
71) Bromoform	12.626	173	2346	1.05 ug/l	# 1
76) 1,2,3-Trichloropropane	12.626	75	121307	54.15 ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	121307	119.99 ug/l	# 18
95) Naphthalene	15.396	128	1651	3.48 ug/l	# 69

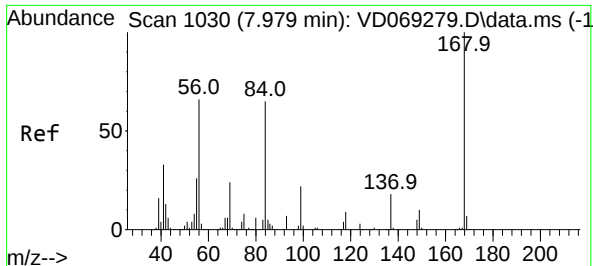
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 02 02:17:36 2021
Response via : Initial Calibration

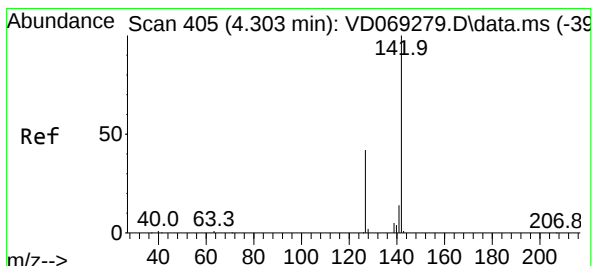
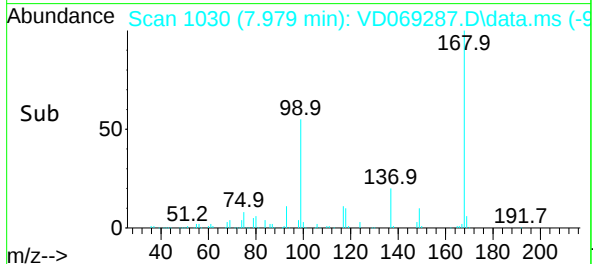
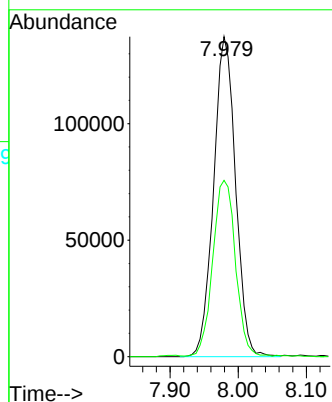
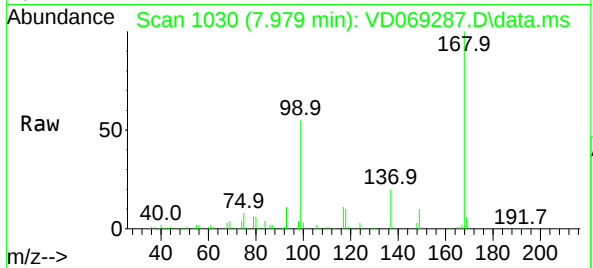




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069287.D
Acq: 01 Jun 2021 17:00

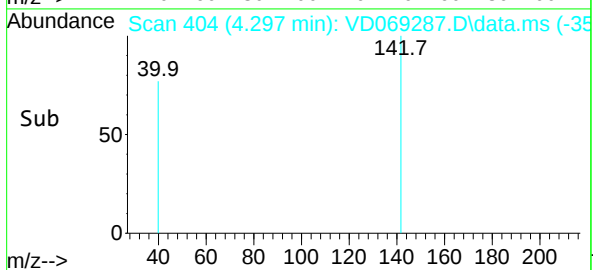
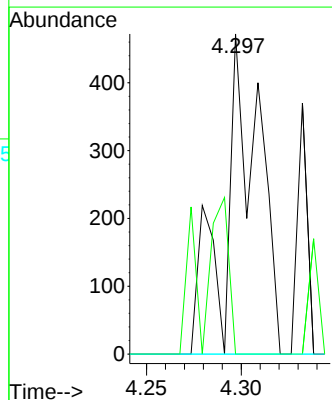
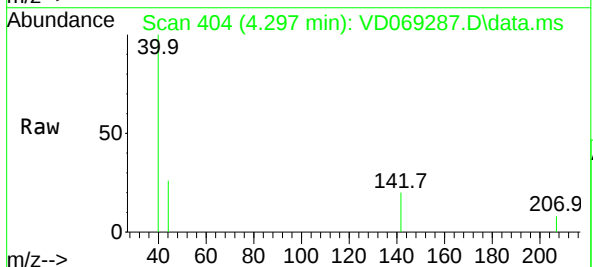
Instrument :
MSVOA_D
ClientSampleId :

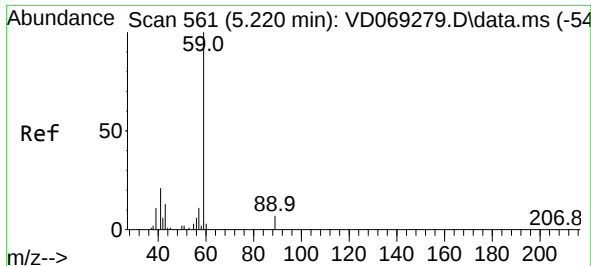
Tgt Ion:168 Resp: 308262
Ion Ratio Lower Upper
168 100
99 54.9 46.2 69.2



#10
Methyl Iodide
Concen: 2.67 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069287.D
Acq: 01 Jun 2021 17:00

Tgt Ion:142 Resp: 598
Ion Ratio Lower Upper
142 100
127 37.8 36.2 54.2
141 0.0 12.2 18.2#

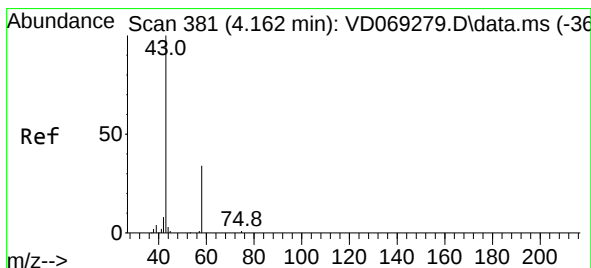
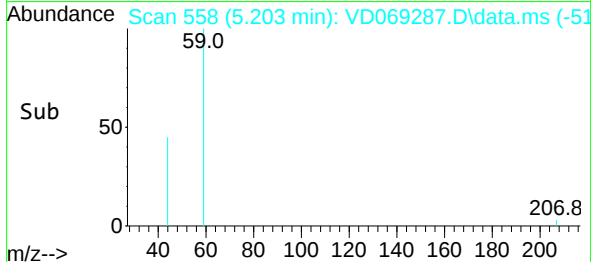
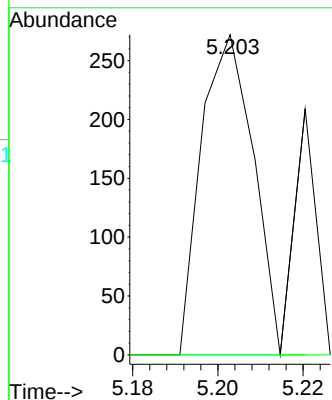
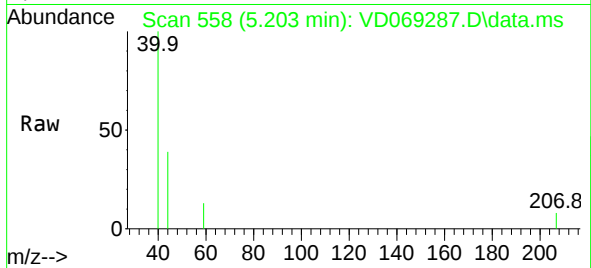




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.203 min Scan# 558
Delta R.T. -0.017 min
Lab File: VD069287.D
Acq: 01 Jun 2021 17:00

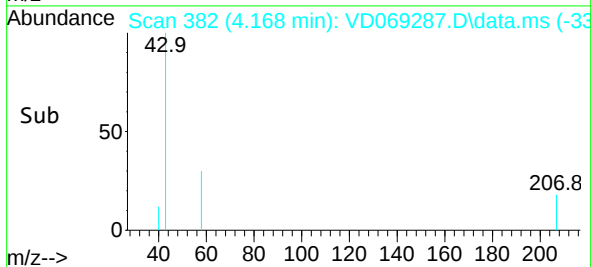
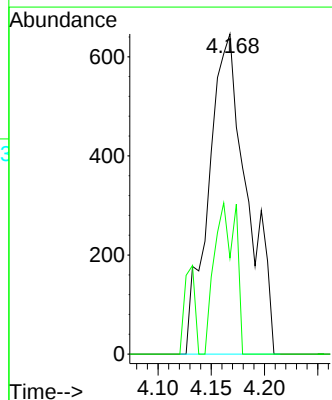
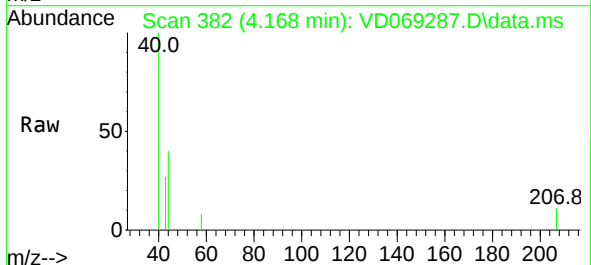
Instrument :
MSVOA_D
ClientSampleId :

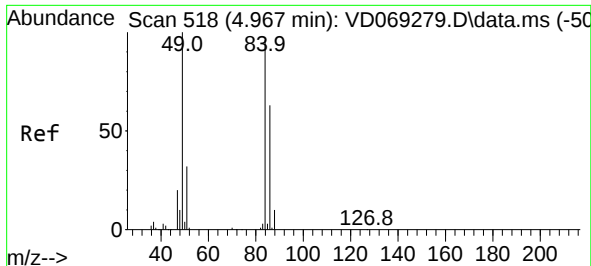
Tgt Ion: 59 Resp: 230
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 3.14 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069287.D
Acq: 01 Jun 2021 17:00

Tgt Ion: 43 Resp: 1619
Ion Ratio Lower Upper
43 100
58 30.0 27.5 41.3

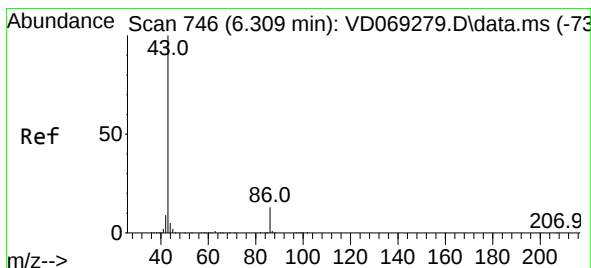
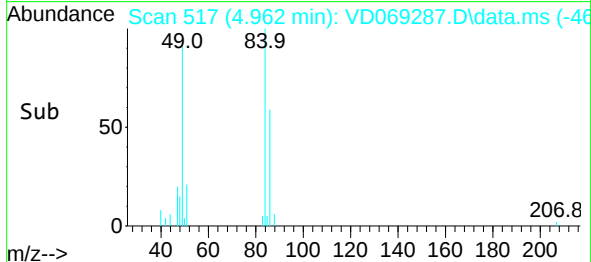
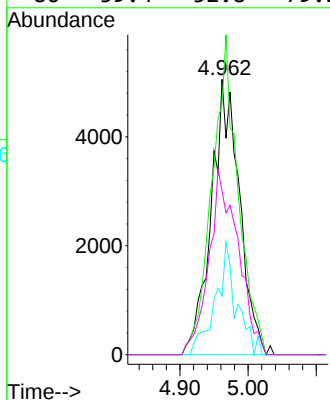
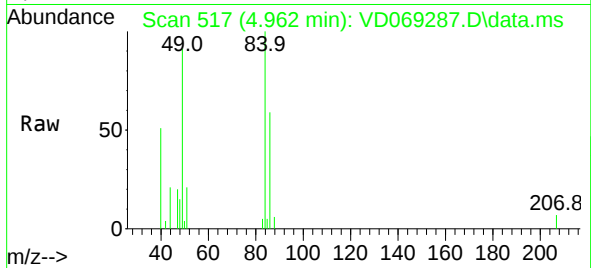




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069287.D
Acq: 01 Jun 2021 17:00

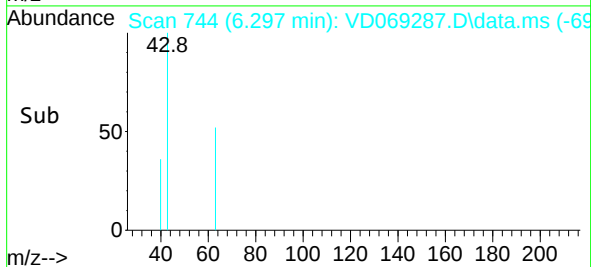
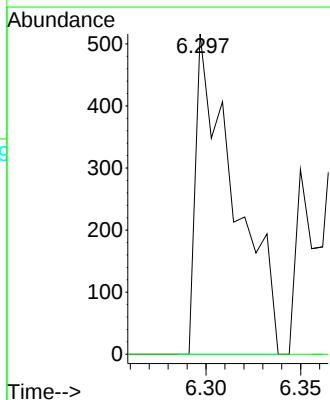
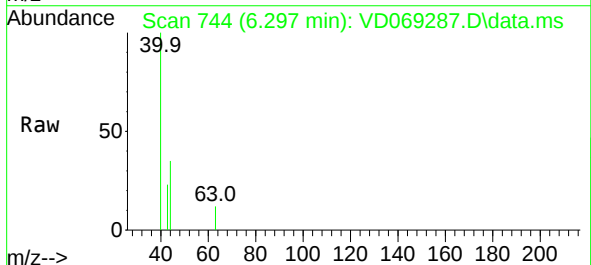
Instrument :
MSVOA_D
ClientSampleId :

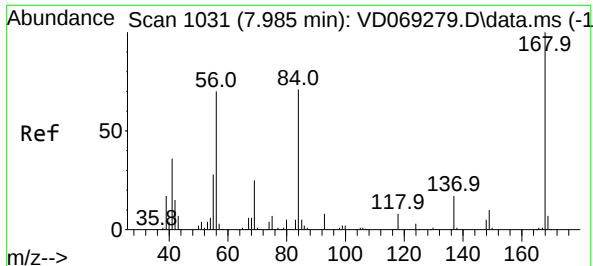
Tgt Ion:	84	Resp:	14581
Ion	Ratio	Lower	Upper
84	100		
49	90.7	83.7	125.5
51	21.3	26.4	39.6#
86	59.4	52.8	79.2



#23
Vinyl Acetate
Concen: 11.76 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.012 min
Lab File: VD069287.D
Acq: 01 Jun 2021 17:00

Tgt Ion:	43	Resp:	728
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.5	15.7#

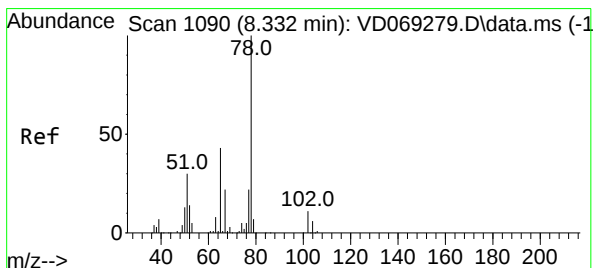
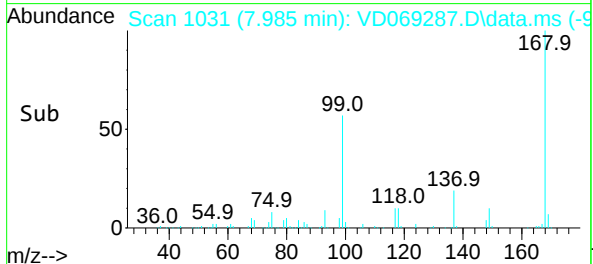
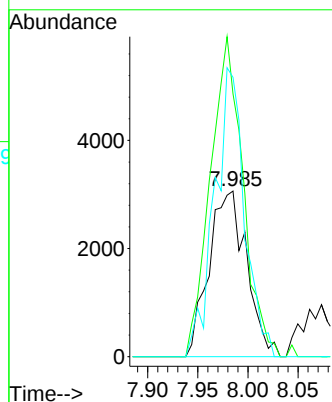
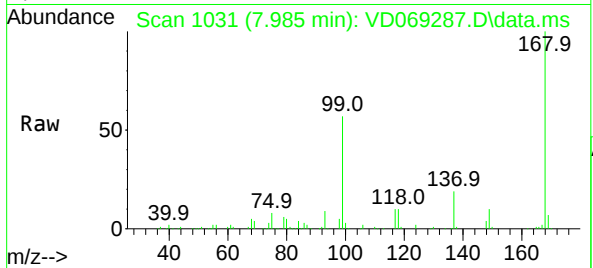




#31
Cyclohexane
Concen: 1.70 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD069287.D
Acq: 01 Jun 2021 17:00

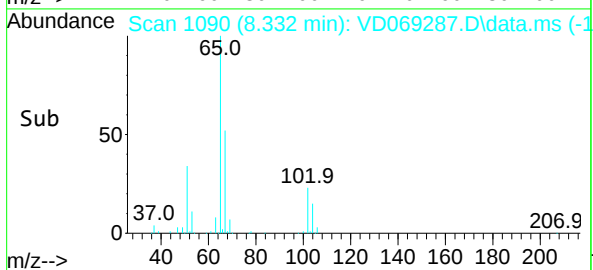
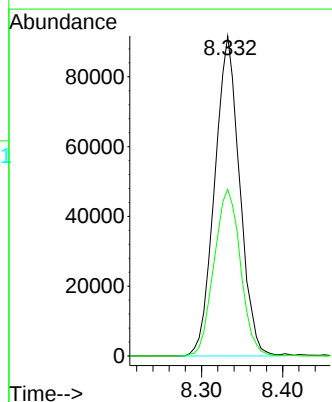
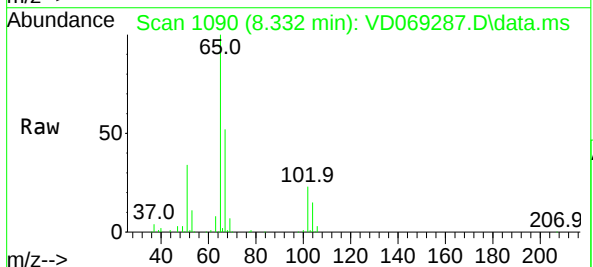
Instrument :
MSVOA_D
ClientSampleId :

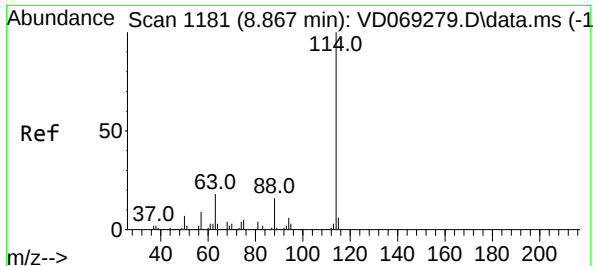
Tgt Ion: 56 Resp: 8012
Ion Ratio Lower Upper
56 100
69 158.7 29.0 43.4#
84 168.7 81.1 121.7#



#33
1,2-Dichloroethane-d4
Concen: 66.21 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069287.D
Acq: 01 Jun 2021 17:00

Tgt Ion: 65 Resp: 195848
Ion Ratio Lower Upper
65 100
67 55.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD069287.D

Acq: 01 Jun 2021 17:00

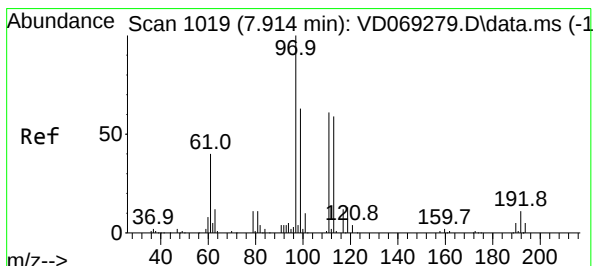
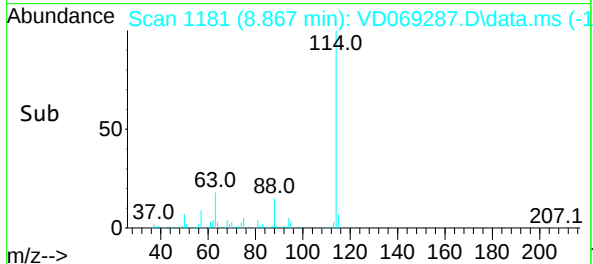
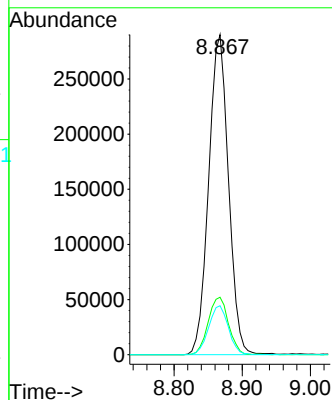
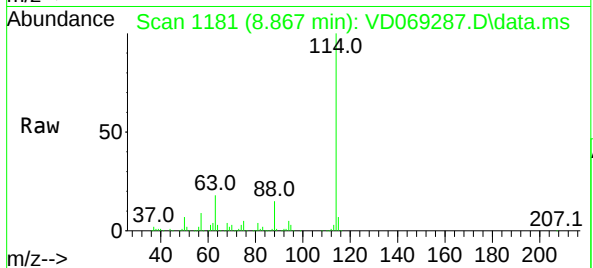
Tgt Ion:114 Resp: 587085

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

88 15.3 0.0 31.2



#35

Dibromofluoromethane

Concen: 58.08 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069287.D

Acq: 01 Jun 2021 17:00

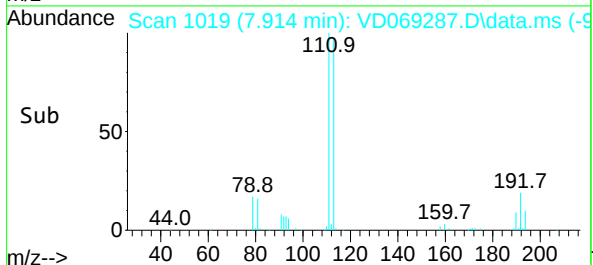
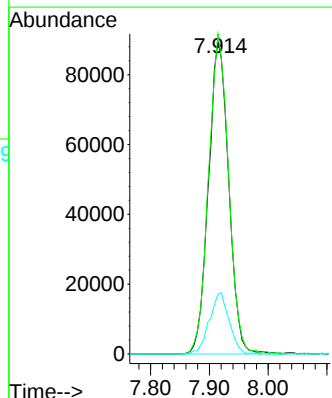
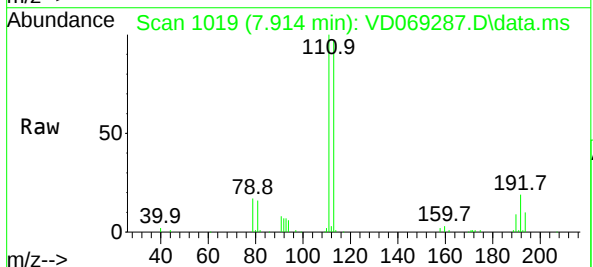
Tgt Ion:113 Resp: 214135

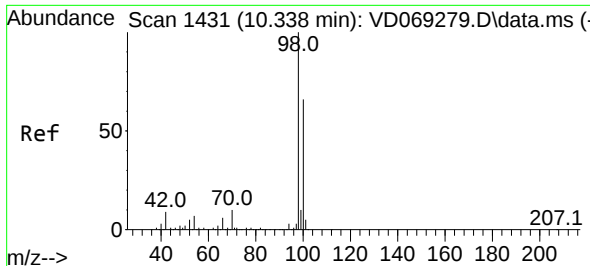
Ion Ratio Lower Upper

113 100

111 101.6 83.0 124.6

192 19.1 15.1 22.7

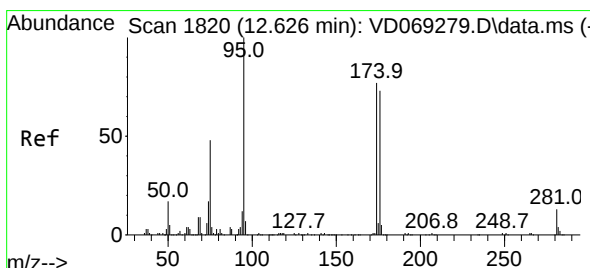
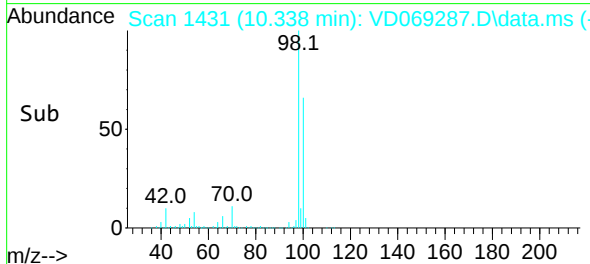
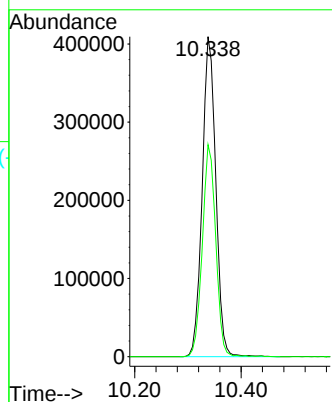
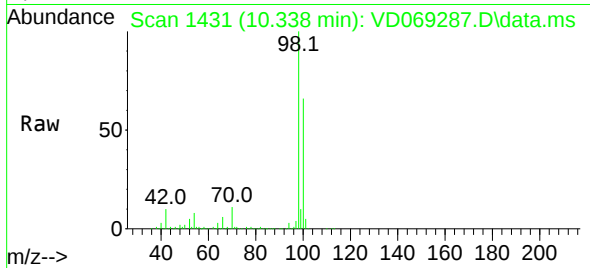




#50
Toluene-d8
Concen: 53.93 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069287.D
Acq: 01 Jun 2021 17:00

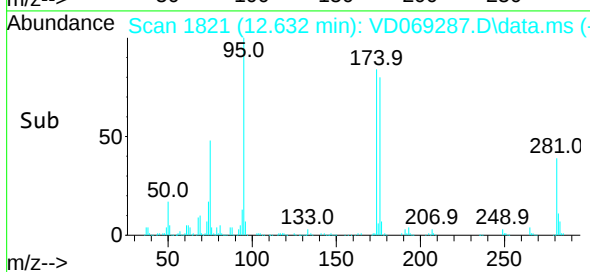
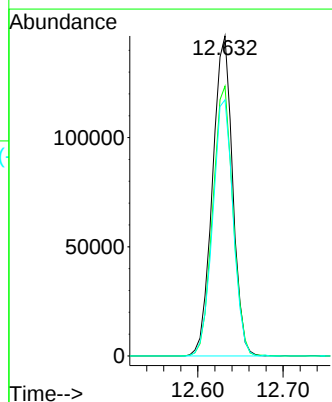
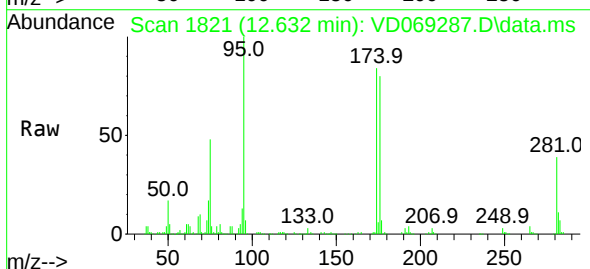
Instrument :
MSVOA_D
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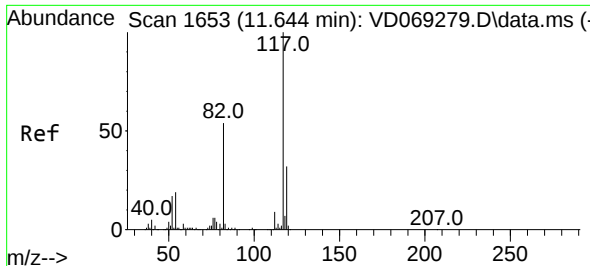
Tgt Ion: 98 Resp: 722941
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 54.66 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069287.D
Acq: 01 Jun 2021 17:00

Tgt Ion: 95 Resp: 240135
Ion Ratio Lower Upper
95 100
174 84.4 0.0 162.8
176 81.0 0.0 154.4

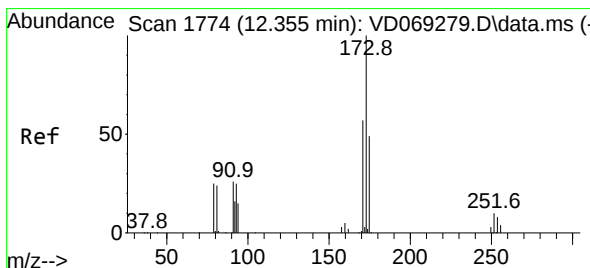
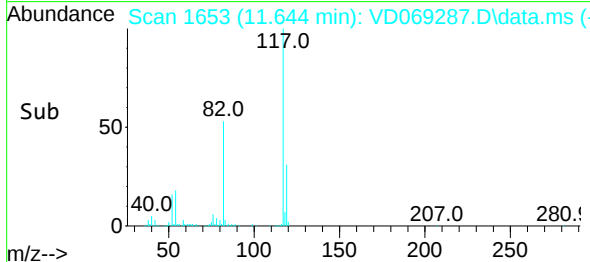
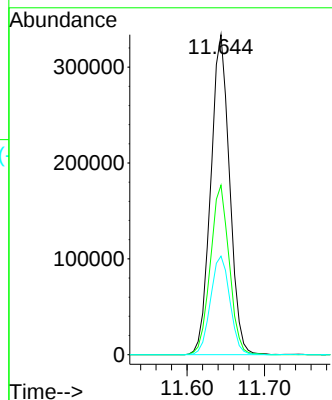
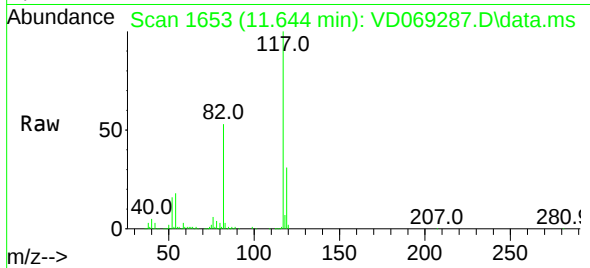




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069287.D
Acq: 01 Jun 2021 17:00

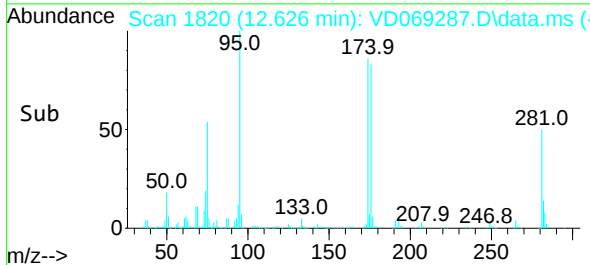
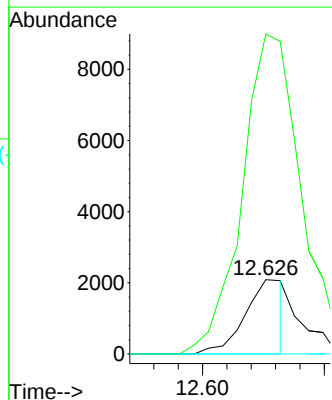
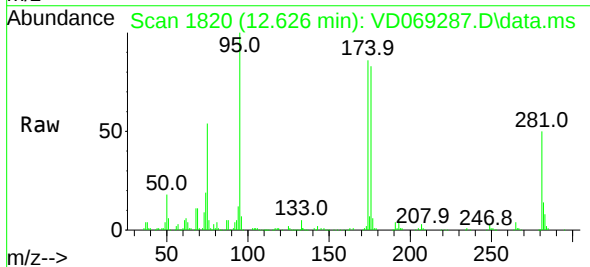
Instrument :
MSVOA_D
ClientSampleId :

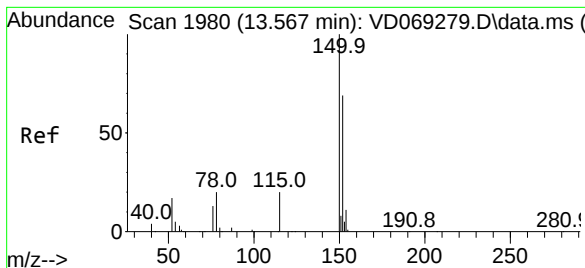
Tgt Ion:117 Resp: 563078
Ion Ratio Lower Upper
117 100
82 52.9 43.3 64.9
119 30.8 25.3 37.9



#71
Bromoform
Concen: 1.05 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069287.D
Acq: 01 Jun 2021 17:00

Tgt Ion:173 Resp: 2346
Ion Ratio Lower Upper
173 100
175 461.7 23.8 71.2#
254 0.0 0.0 0.0

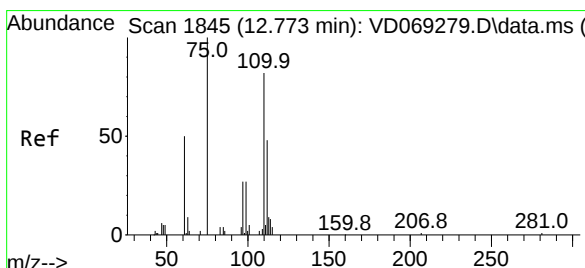
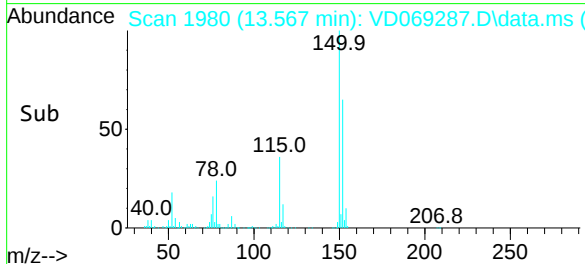
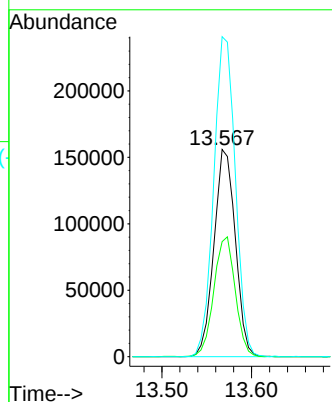
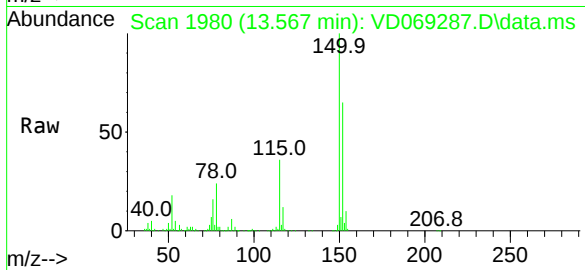




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069287.D
 Acq: 01 Jun 2021 17:00

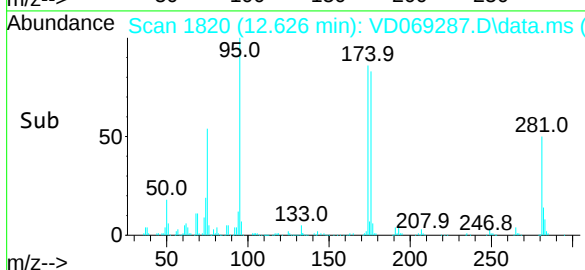
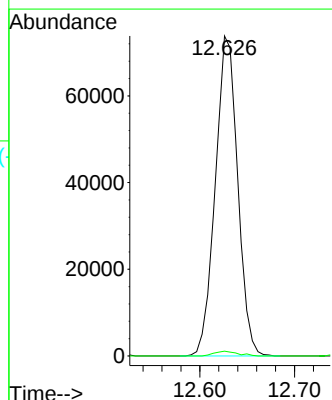
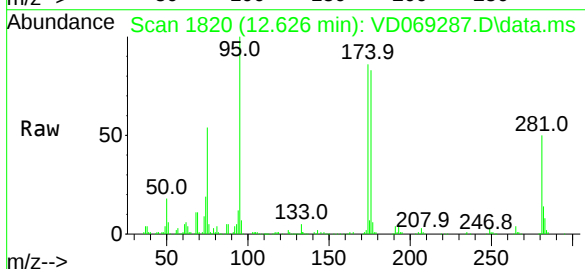
Instrument :
 MSVOA_D
 ClientSampleId :

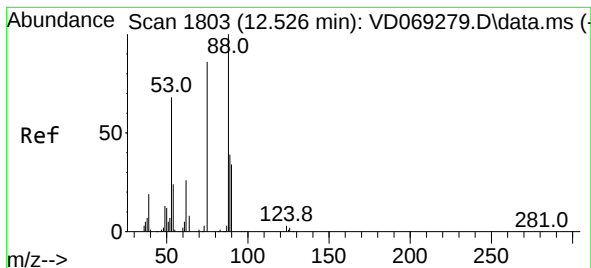
Tgt Ion:152 Resp: 257851
 Ion Ratio Lower Upper
 152 100
 115 58.0 29.4 88.3
 150 156.5 0.0 355.0



#76
 1,2,3-Trichloropropane
 Concen: 54.15 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069287.D
 Acq: 01 Jun 2021 17:00

Tgt Ion: 75 Resp: 121307
 Ion Ratio Lower Upper
 75 100
 77 1.6 183.8 551.2#

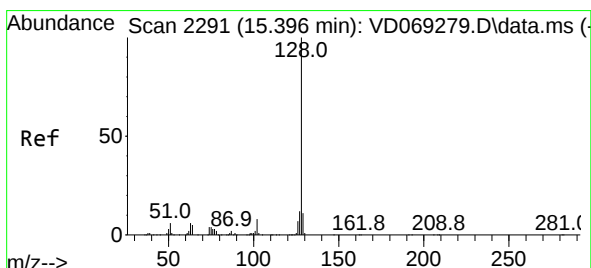
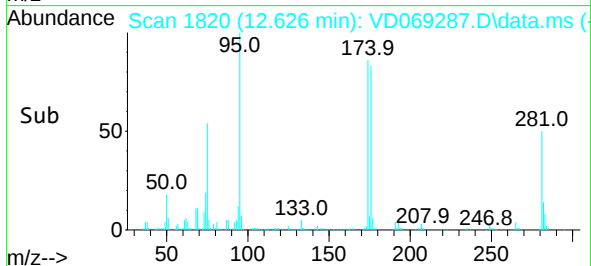
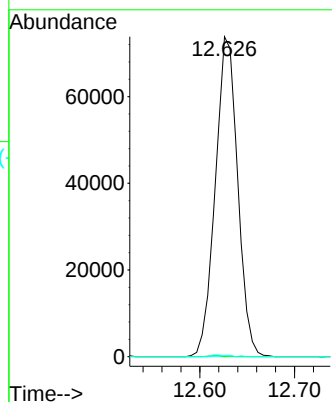
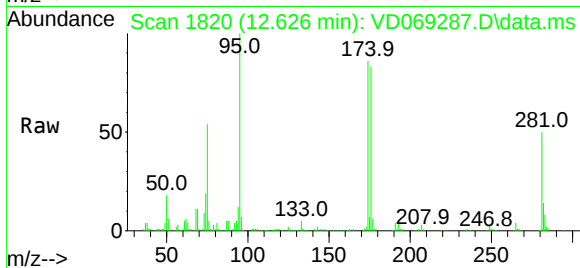




#81
trans-1,4-Dichloro-2-butene
Concen: 119.99 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069287.D
Acq: 01 Jun 2021 17:00

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 121307
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.5 35.6 53.4#



#95
Naphthalene
Concen: 3.48 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069287.D
Acq: 01 Jun 2021 17:00

Tgt Ion: 128 Resp: 1651
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.8 13.2#

