

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072121\
 Data File : VD069796.D
 Acq On : 21 Jul 2021 17:40
 Operator : VA/SY
 Sample : M3135-07
 Misc : 4.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 22 03:42:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

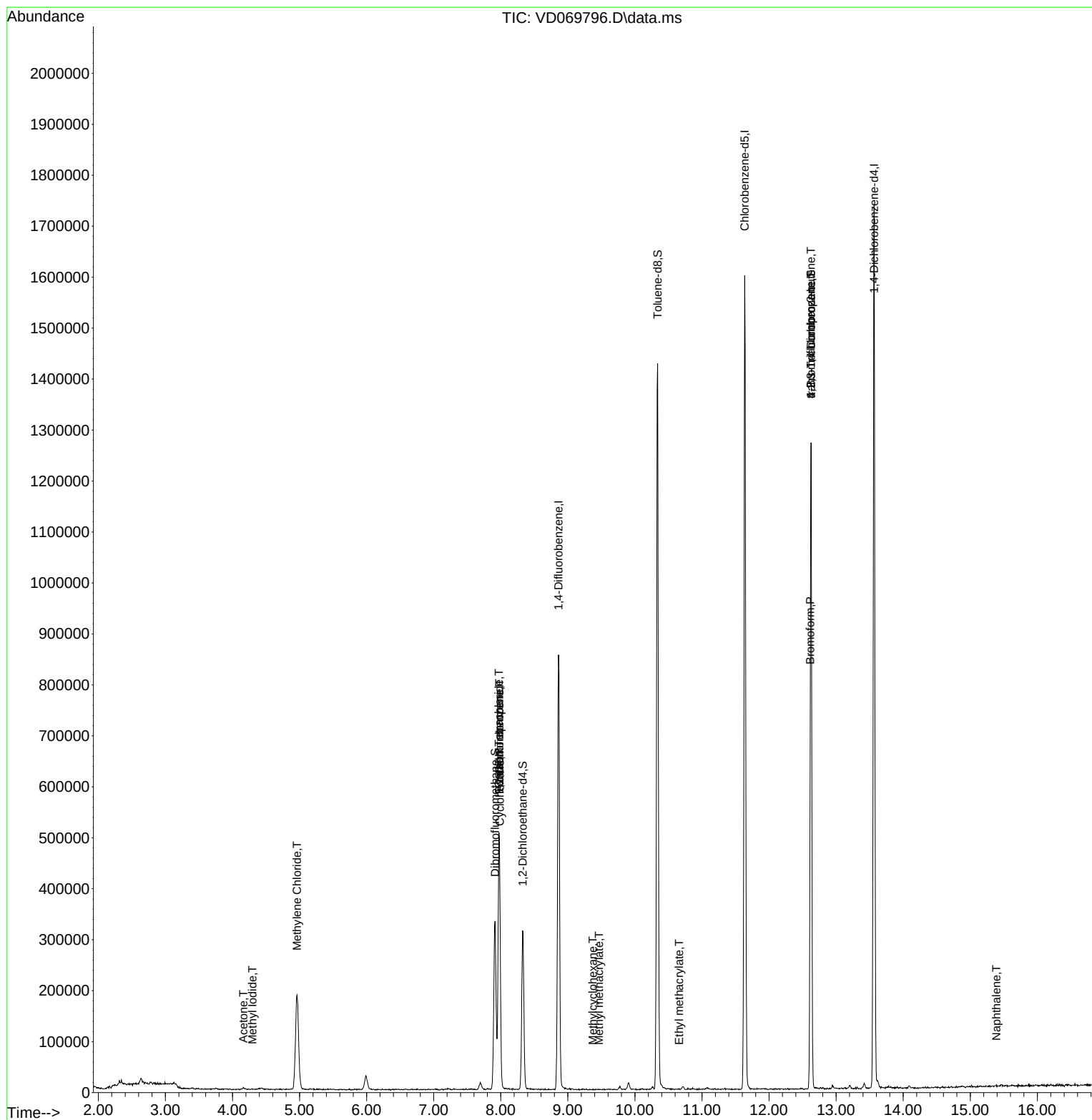
Internal Standards						
1) Pentafluorobenzene	7.979	168	365253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	731943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	921110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	450955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	248455	54.478	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 108.960%		
35) Dibromofluoromethane	7.914	113	245921	50.081	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 100.160%		
50) Toluene-d8	10.338	98	991982	51.998	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 104.000%		
62) 4-Bromofluorobenzene	12.626	95	432406	67.962	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 135.920%		
Target Compounds						
						Qvalue
3) Chloromethane	2.203	50	1165	Below Cal	#	60
5) Bromomethane	2.779	94	2273	Below Cal	#	72
10) Methyl Iodide	4.297	142	629	2.600	ug/l #	55
16) Acetone	4.162	43	4506	17.372	ug/l	94
18) Methyl Acetate	4.779	43	118	Below Cal	#	49
20) Methylene Chloride	4.962	84	150950	20.110	ug/l	91
31) Cyclohexane	7.985	56	9001	1.555	ug/l #	13
36) 1,1-Dichloropropene	7.979	75	33082	4.381	ug/l #	51
38) Carbon Tetrachloride	7.973	117	40848	5.907	ug/l #	16
39) Methylcyclohexane	9.373	83	55	1.964	ug/l #	16
48) Methyl methacrylate	9.467	41	224	1.183	ug/l #	13
56) Ethyl methacrylate	10.661	69	221	1.707	ug/l #	58
71) Bromoform	12.614	173	4309	1.352	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	214849	49.042	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	214849	131.799	ug/l #	14
95) Naphthalene	15.390	128	504	2.239	ug/l #	69

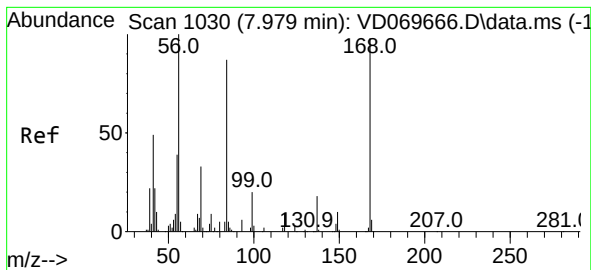
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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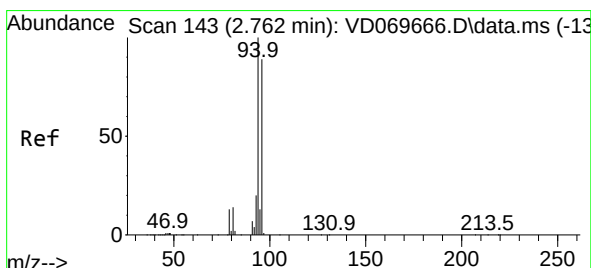
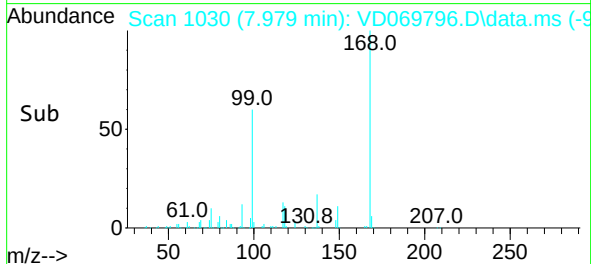
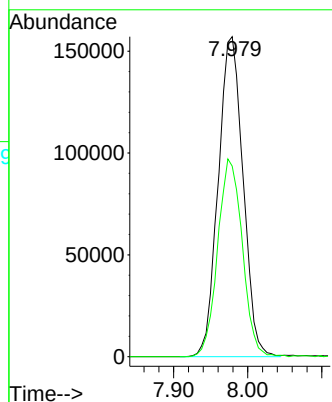
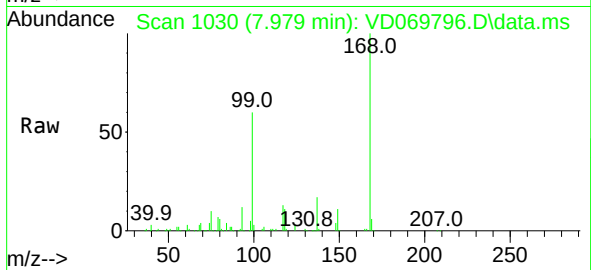




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

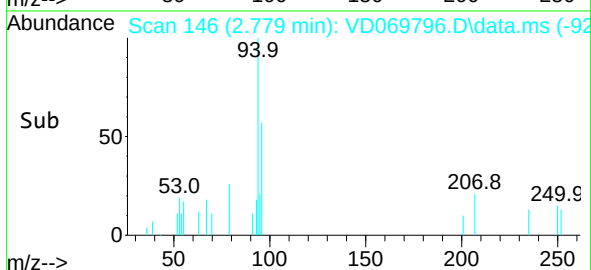
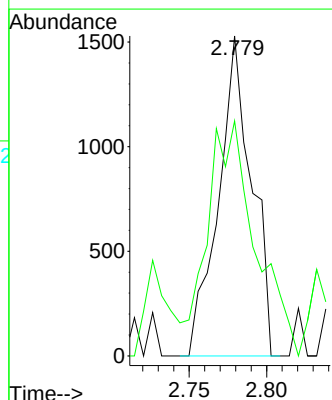
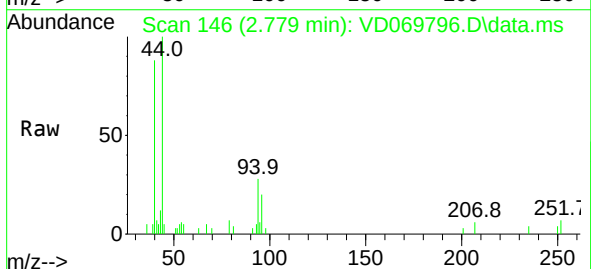
Instrument :
MSVOA_D
ClientSampled :

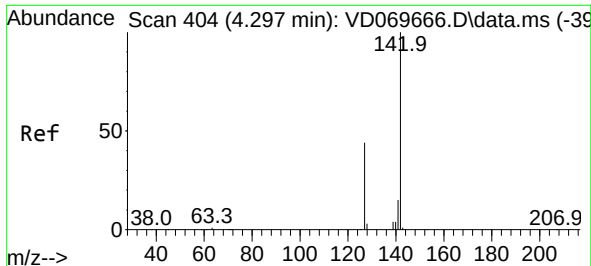
Tgt Ion:168 Resp: 365253
Ion Ratio Lower Upper
168 100
99 59.6 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

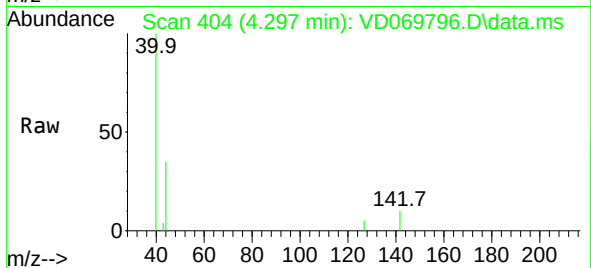
Tgt Ion: 94 Resp: 2273
Ion Ratio Lower Upper
94 100
96 63.1 71.2 106.8#



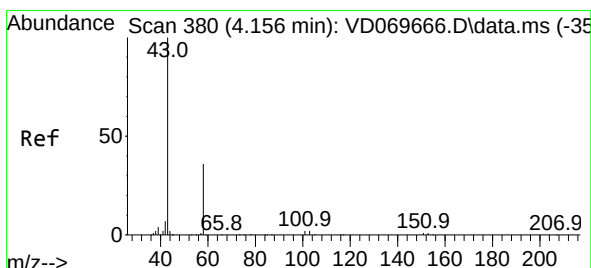
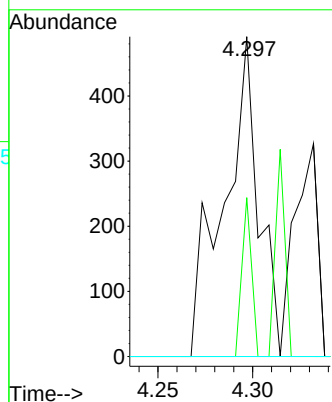
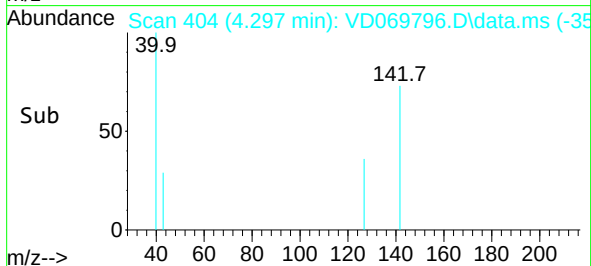


#10
Methyl Iodide
Concen: 2.600 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

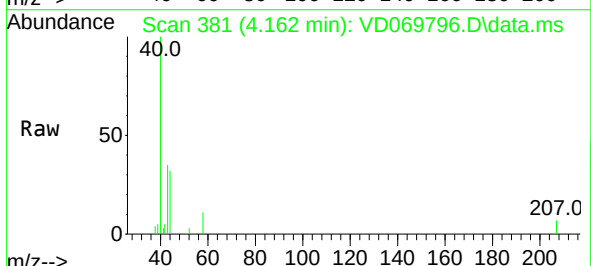
Instrument :
MSVOA_D
ClientSampleId :



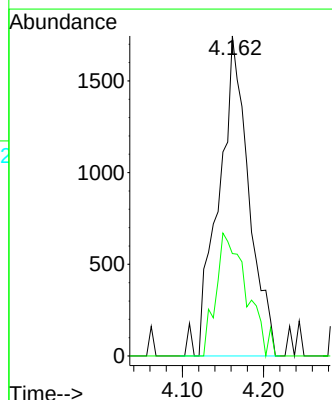
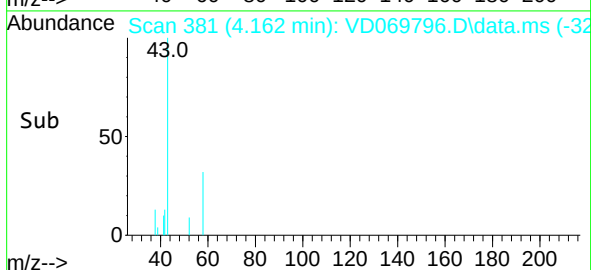
Tgt Ion:142 Resp: 629
Ion Ratio Lower Upper
142 100
127 13.7 36.1 54.1#
141 0.0 11.6 17.4#

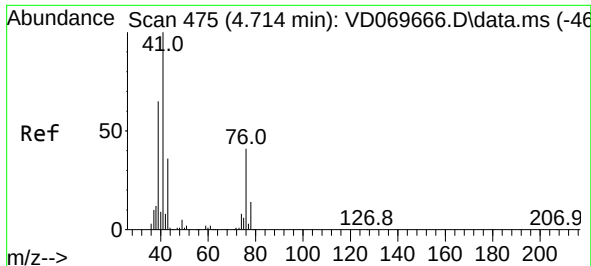


#16
Acetone
Concen: 17.372 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40



Tgt Ion: 43 Resp: 4506
Ion Ratio Lower Upper
43 100
58 32.0 28.6 42.8

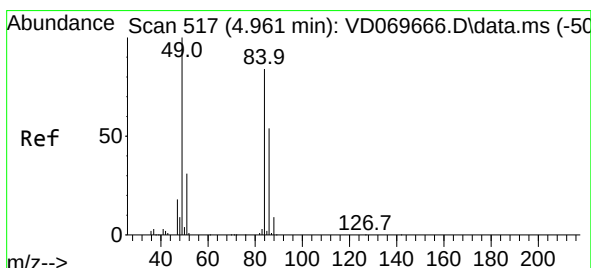
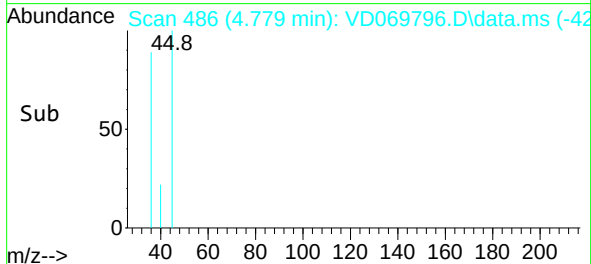
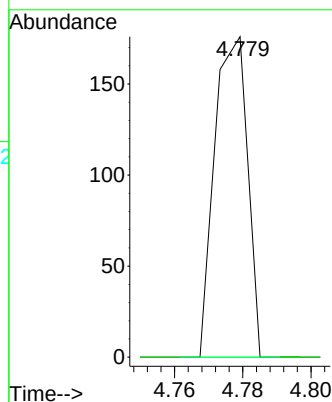
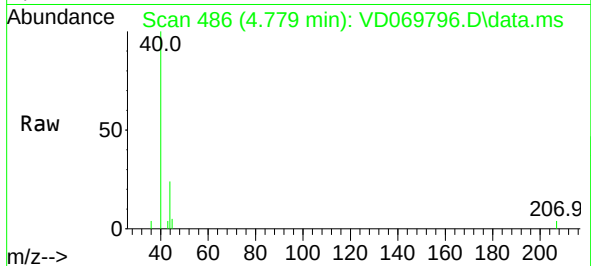




#18
Methyl Acetate
Concen: Below Cal
RT: 4.779 min Scan# 486
Delta R.T. 0.065 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

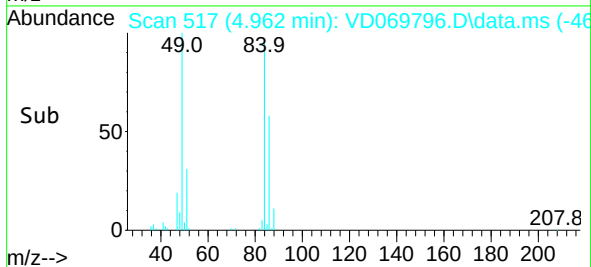
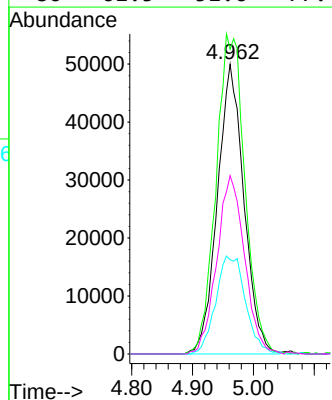
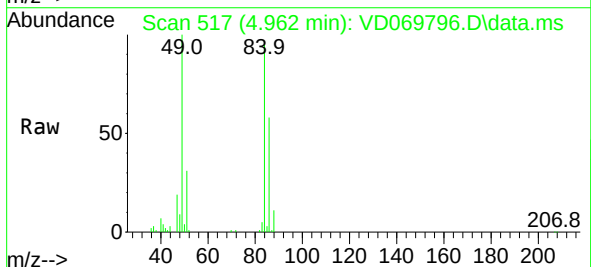
Instrument :
MSVOA_D
ClientSampled :

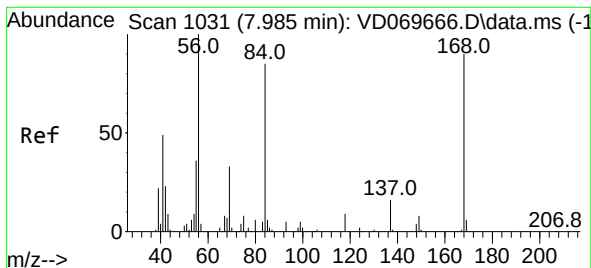
Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 20.110 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

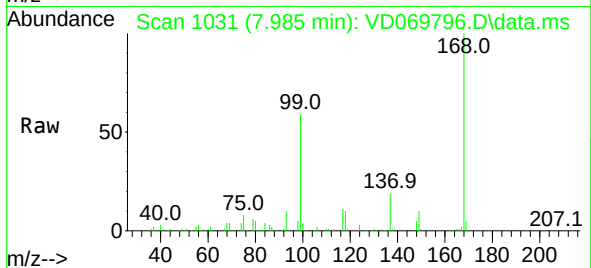
Tgt Ion: 84 Resp: 150950
Ion Ratio Lower Upper
84 100
49 105.2 95.5 143.3
51 32.5 29.7 44.5
86 61.5 51.6 77.4



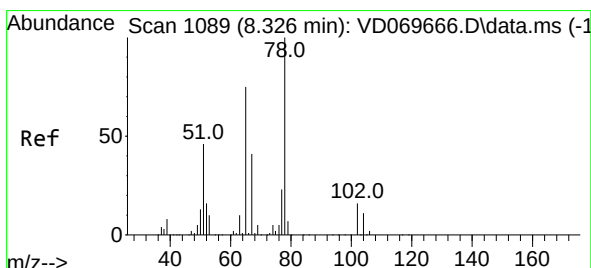
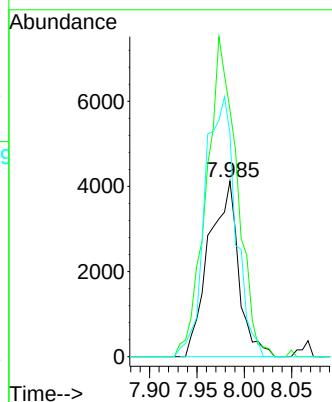
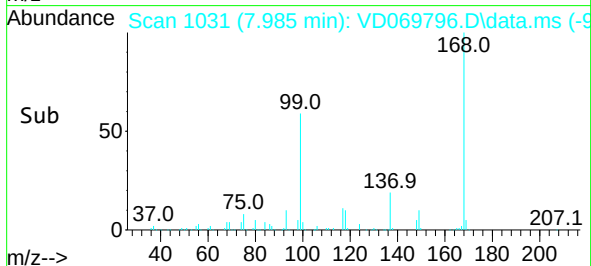


#31
Cyclohexane
Concen: 1.555 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

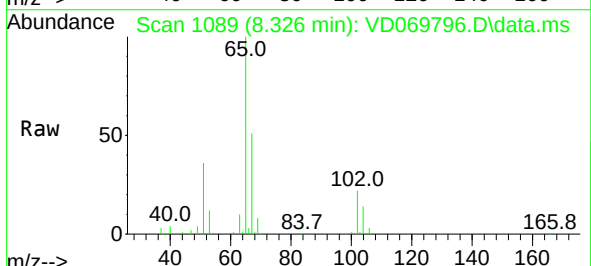
Instrument :
MSVOA_D
ClientSampled :



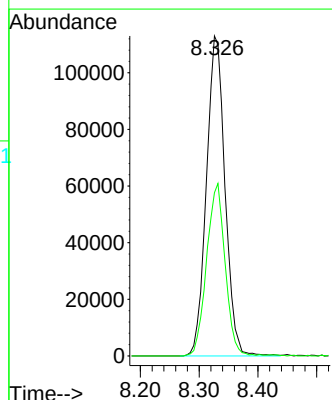
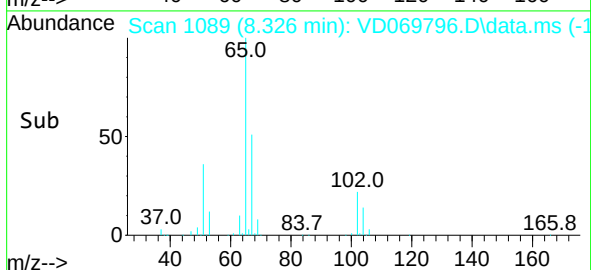
Tgt Ion: 56 Resp: 9001
Ion Ratio Lower Upper
56 100
69 140.9 26.6 39.8#
84 127.4 68.2 102.2#

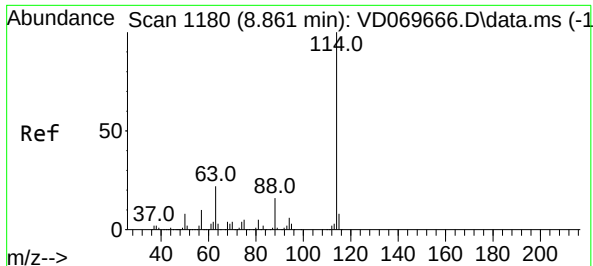


#33
1,2-Dichloroethane-d4
Concen: 54.478 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40



Tgt Ion: 65 Resp: 248455
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.2

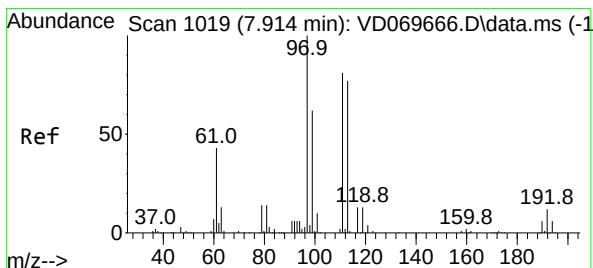
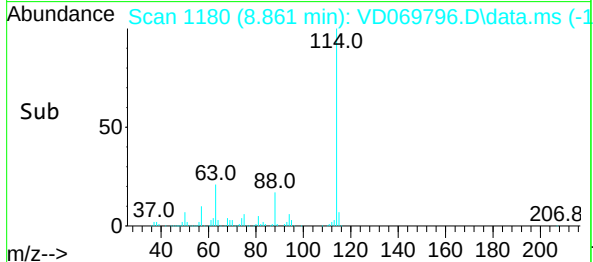
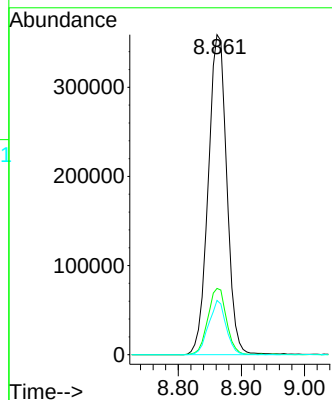
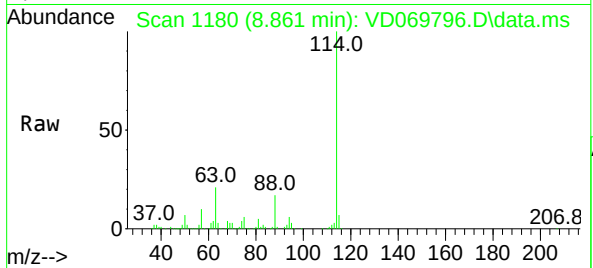




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

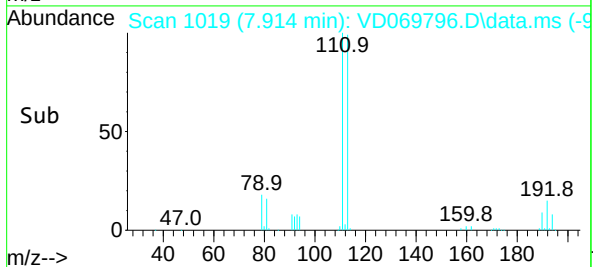
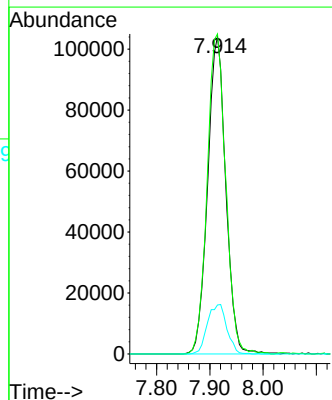
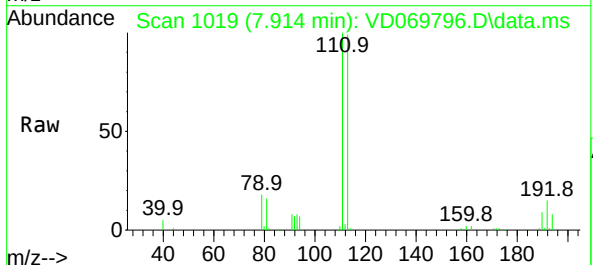
Instrument :
MSVOA_D
ClientSampleId :

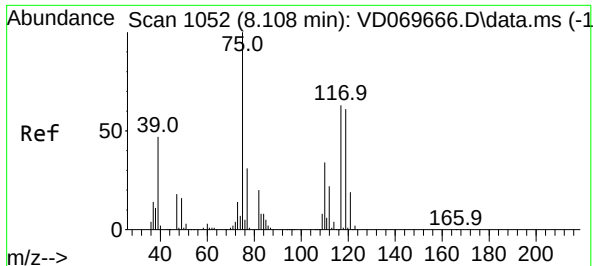
Tgt Ion:114 Resp: 731943
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.4
88 17.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.081 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

Tgt Ion:113 Resp: 245921
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 16.7 12.7 19.1



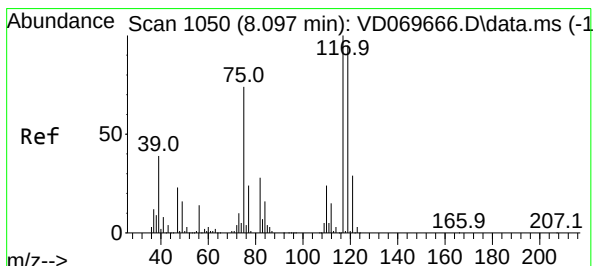
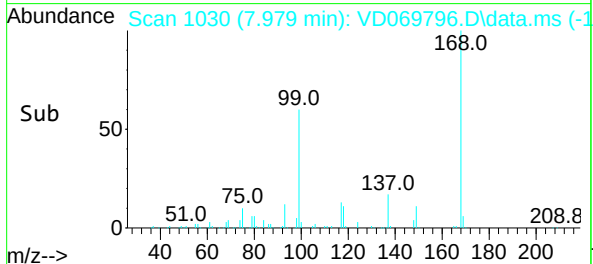
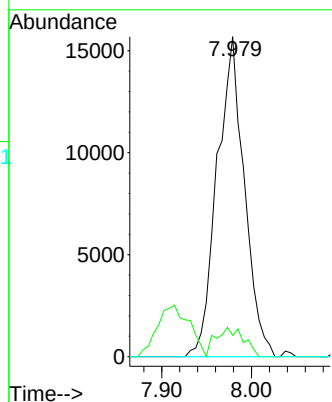
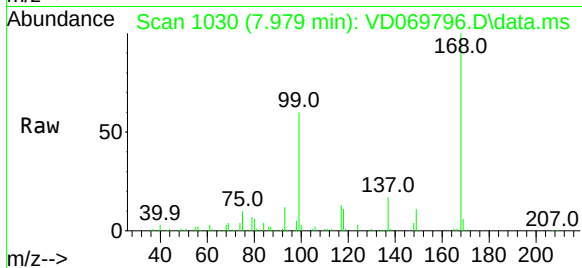


#36

1,1-Dichloropropene
Concen: 4.381 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

Instrument :
MSVOA_D
ClientSampled :

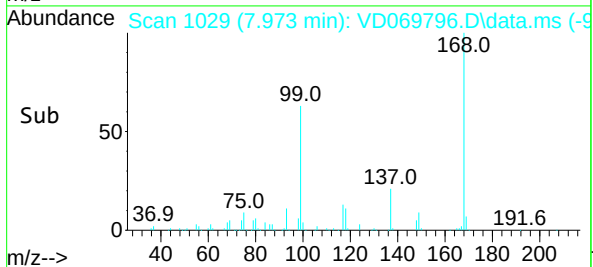
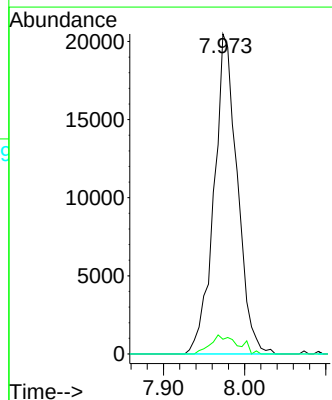
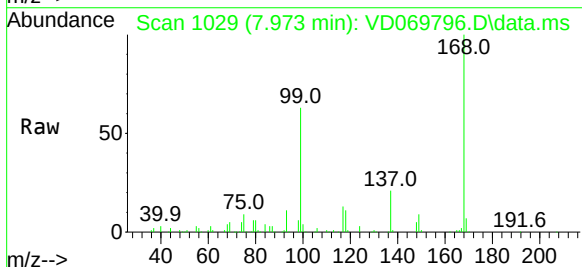
Tgt Ion: 75 Resp: 33082
Ion Ratio Lower Upper
75 100
110 9.3 16.7 50.0#
77 0.0 25.3 37.9#

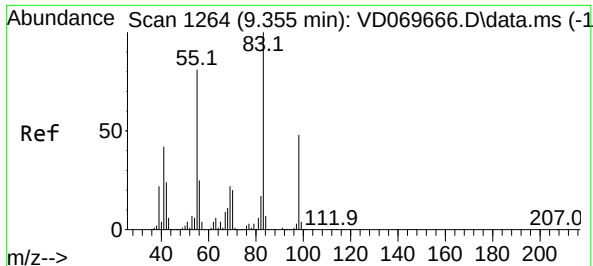


#38

Carbon Tetrachloride
Concen: 5.907 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

Tgt Ion: 117 Resp: 40848
Ion Ratio Lower Upper
117 100
119 4.6 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 1.964 ug/l

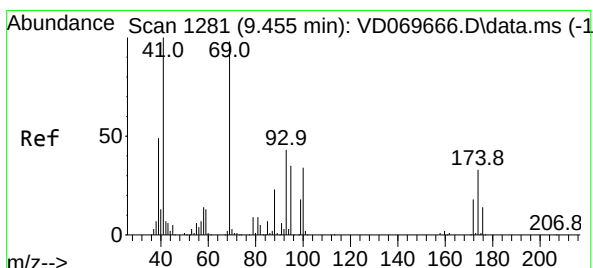
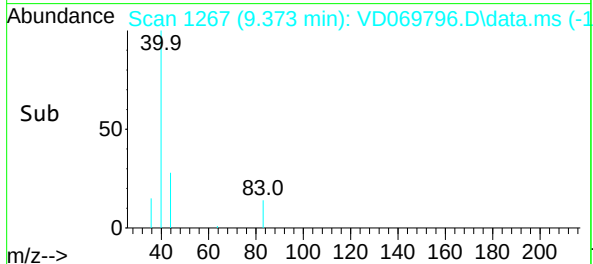
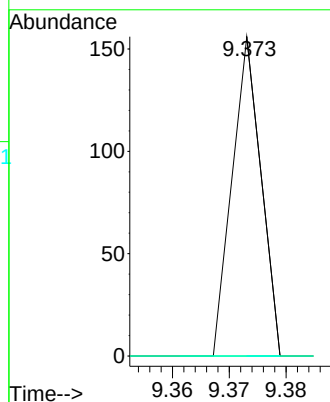
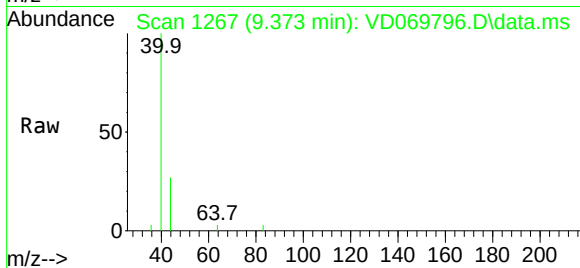
RT: 9.373 min Scan# 1267

Delta R.T. 0.018 min

Lab File: VD069796.D

Acq: 21 Jul 2021 17:40

Tgt Ion:	83	Resp:	55
Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.6	97.0#
98	0.0	38.4	57.6#



#48

Methyl methacrylate

Concen: 1.183 ug/l

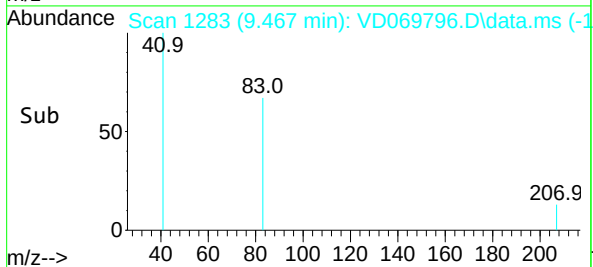
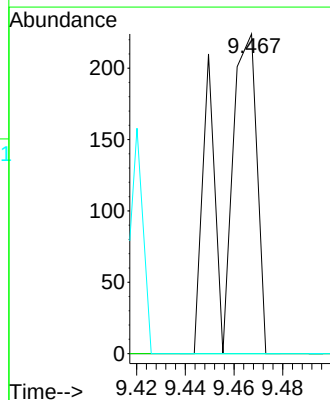
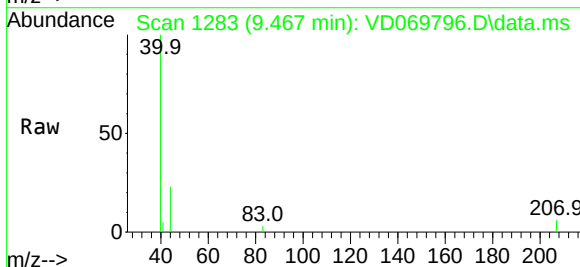
RT: 9.467 min Scan# 1283

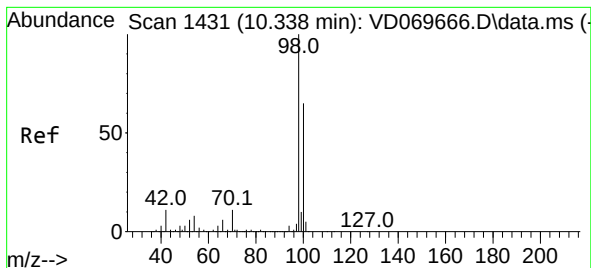
Delta R.T. 0.012 min

Lab File: VD069796.D

Acq: 21 Jul 2021 17:40

Tgt Ion:	41	Resp:	224
Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.6	107.4#
39	0.0	36.7	55.1#

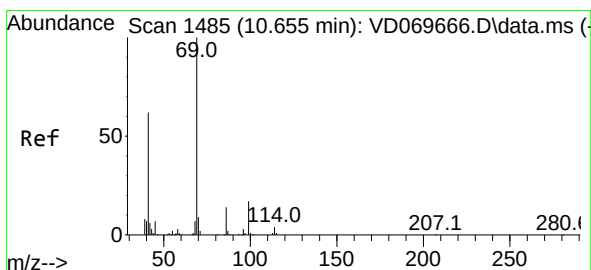
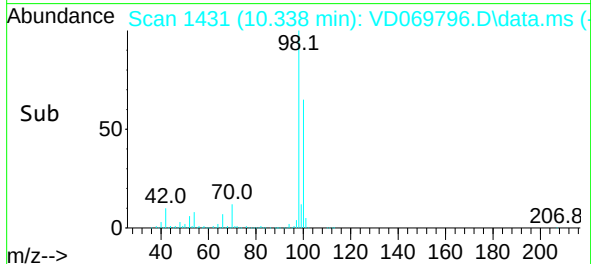
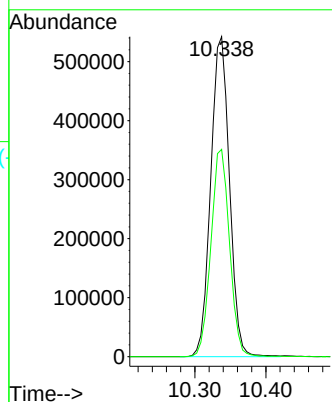
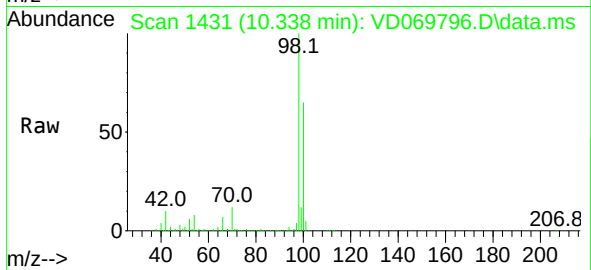




#50
Toluene-d8
Concen: 51.998 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

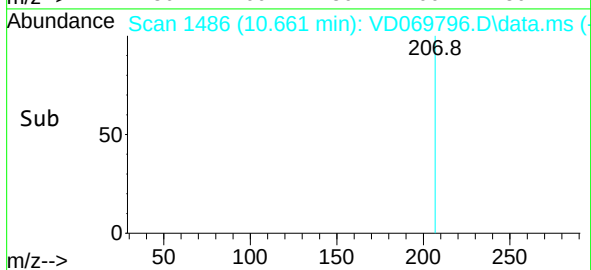
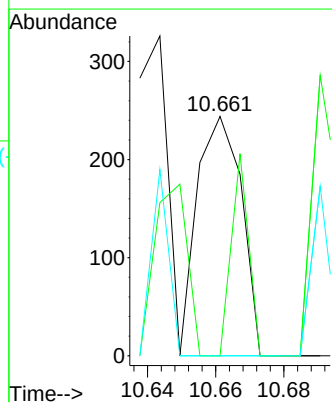
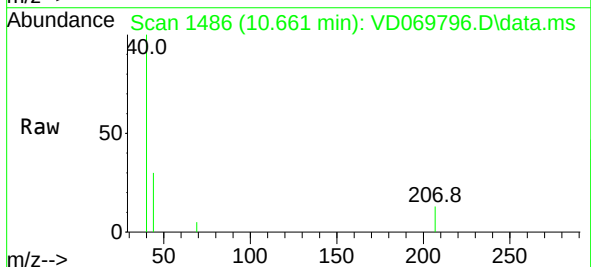
Instrument :
MSVOA_D
ClientSampled :

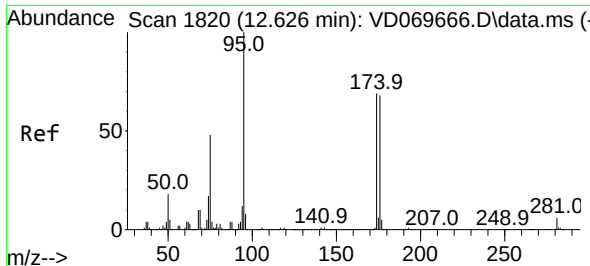
Tgt Ion: 98 Resp: 991982
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.707 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

Tgt Ion: 69 Resp: 221
Ion Ratio Lower Upper
69 100
41 33.0 49.5 74.3#
39 0.0 22.5 33.7#

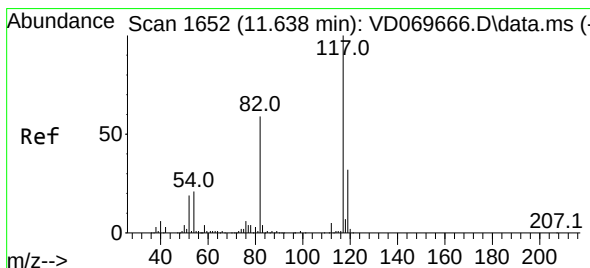
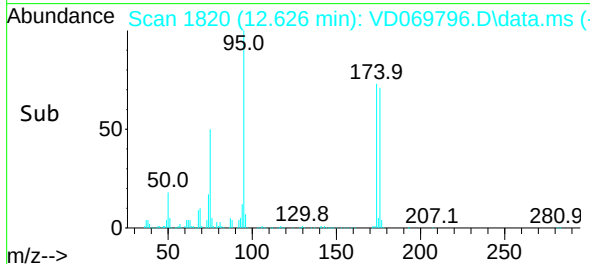
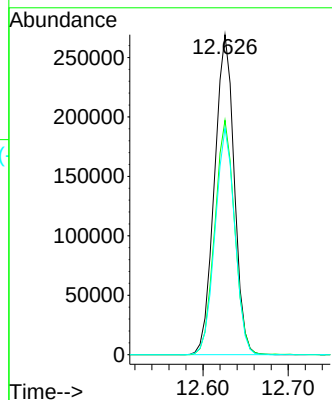
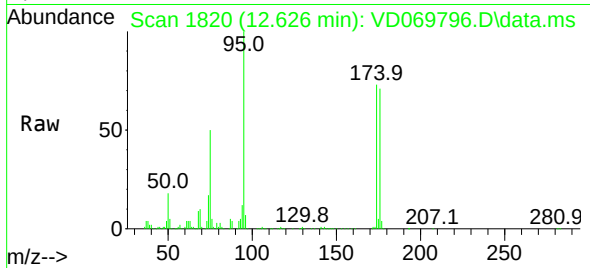




#62
4-Bromofluorobenzene
Concen: 67.962 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

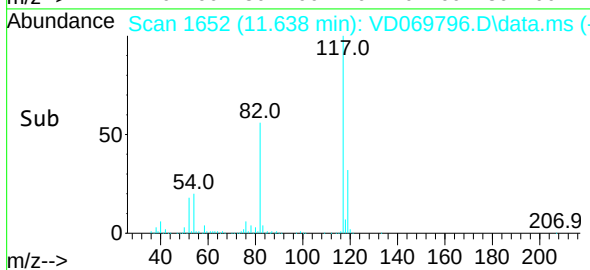
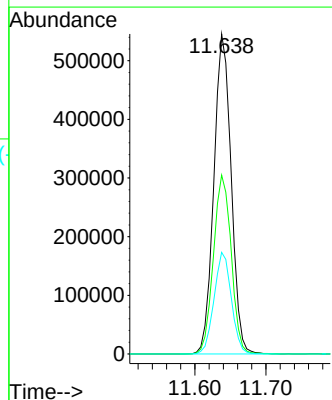
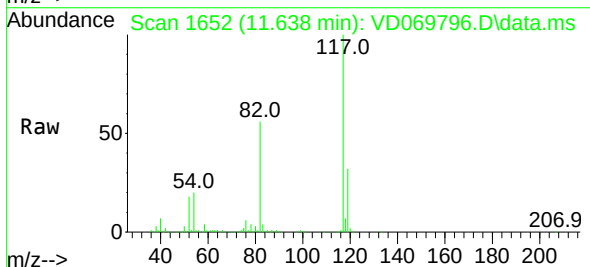
Instrument :
MSVOA_D
ClientSampleId :

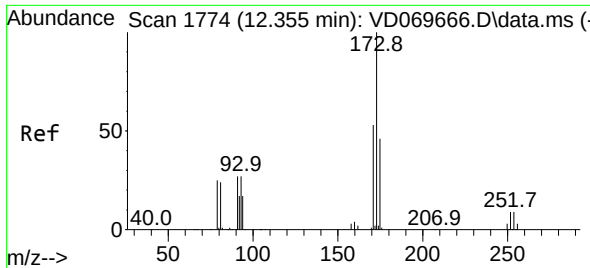
Tgt Ion: 95 Resp: 432406
Ion Ratio Lower Upper
95 100
174 73.8 0.0 140.0
176 70.5 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

Tgt Ion: 117 Resp: 921110
Ion Ratio Lower Upper
117 100
82 55.9 47.4 71.2
119 31.7 25.5 38.3

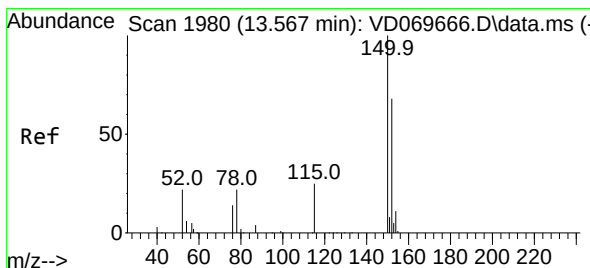
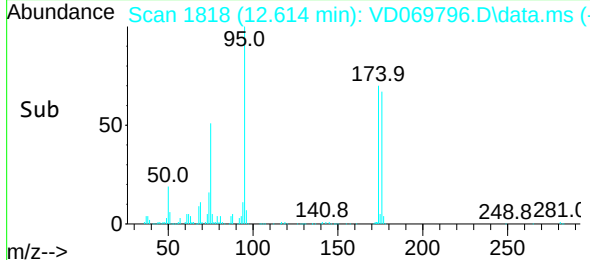
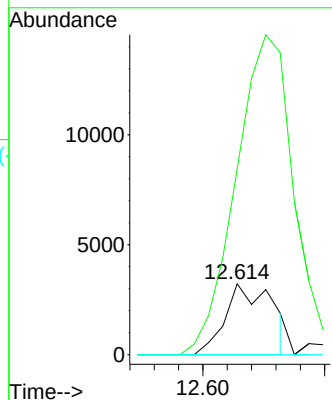
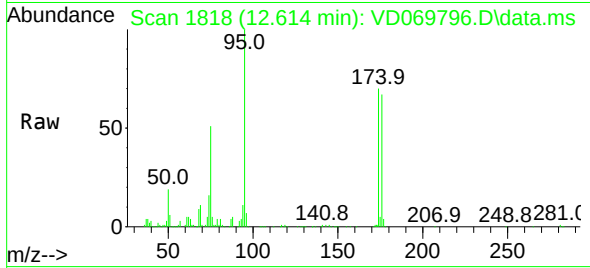




#71
Bromoform
Concen: 1.352 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.259 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

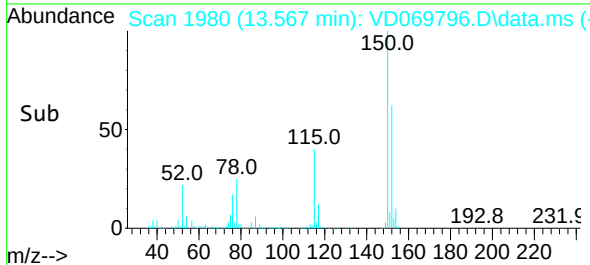
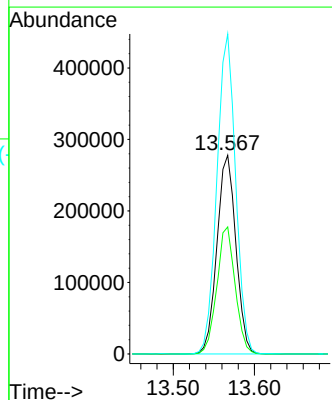
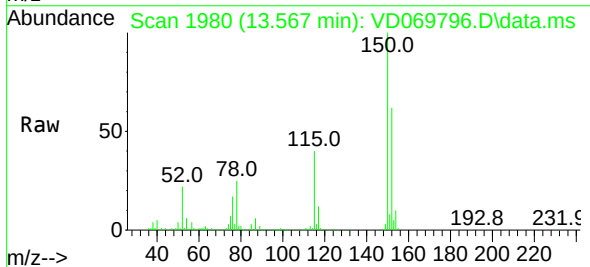
Instrument :
MSVOA_D
ClientSampleId :

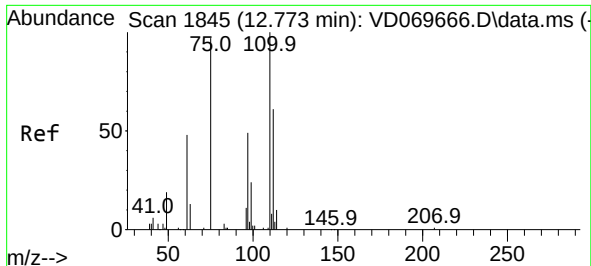
Tgt Ion:173 Resp: 4309
Ion Ratio Lower Upper
173 100
175 458.5 24.2 72.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

Tgt Ion:152 Resp: 450955
Ion Ratio Lower Upper
152 100
115 61.9 31.7 95.1
150 159.1 0.0 350.4

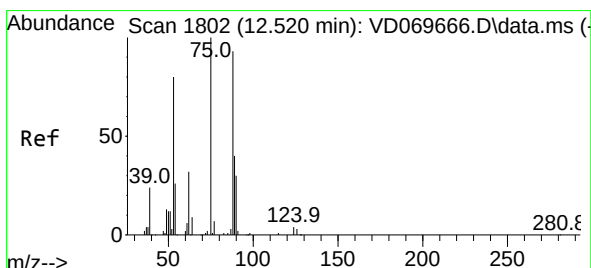
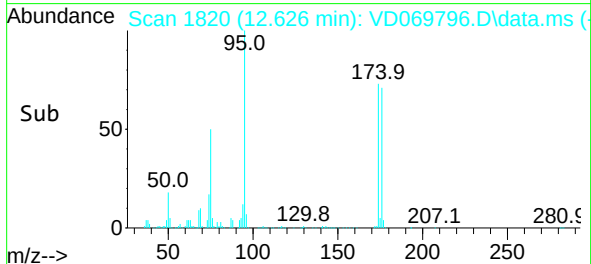
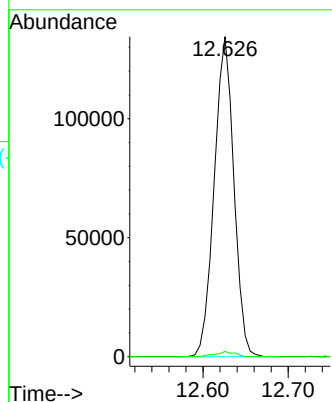
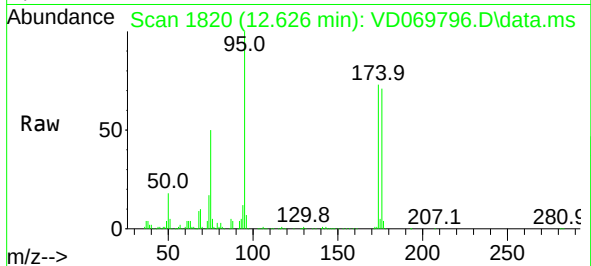




#76
1,2,3-Trichloropropane
Concen: 49.042 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

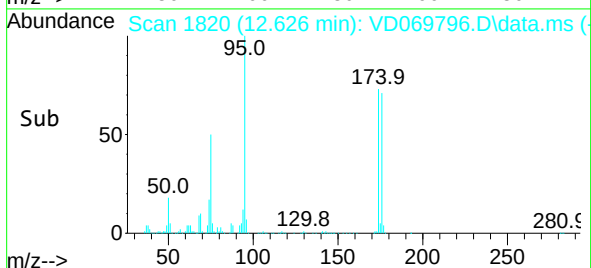
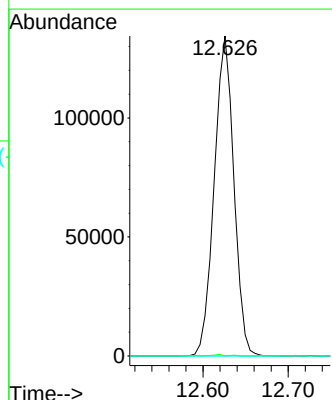
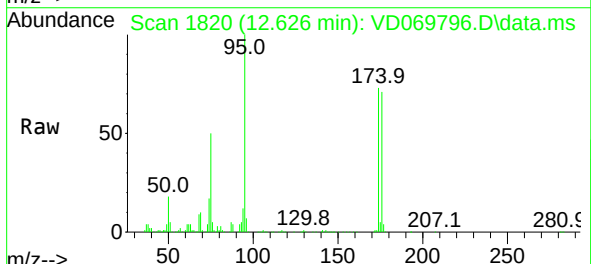
Instrument :
MSVOA_D
ClientSampleId :

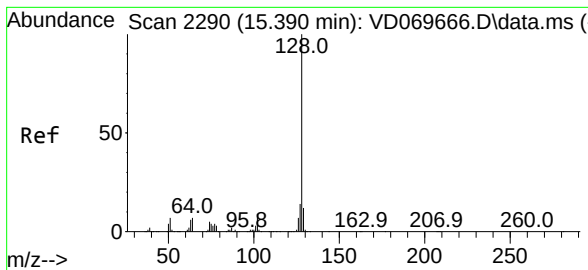
Tgt Ion: 75 Resp: 214849
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.799 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

Tgt Ion: 75 Resp: 214849
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.0 35.1 52.7#





#95
Naphthalene
Concen: 2.239 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069796.D
Acq: 21 Jul 2021 17:40

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 504
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

