

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072321\
 Data File : VD069829.D
 Acq On : 23 Jul 2021 15:22
 Operator : VA/SY
 Sample : M3117-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NJ-CLEAN-1

Quant Time: Jul 24 01:34:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

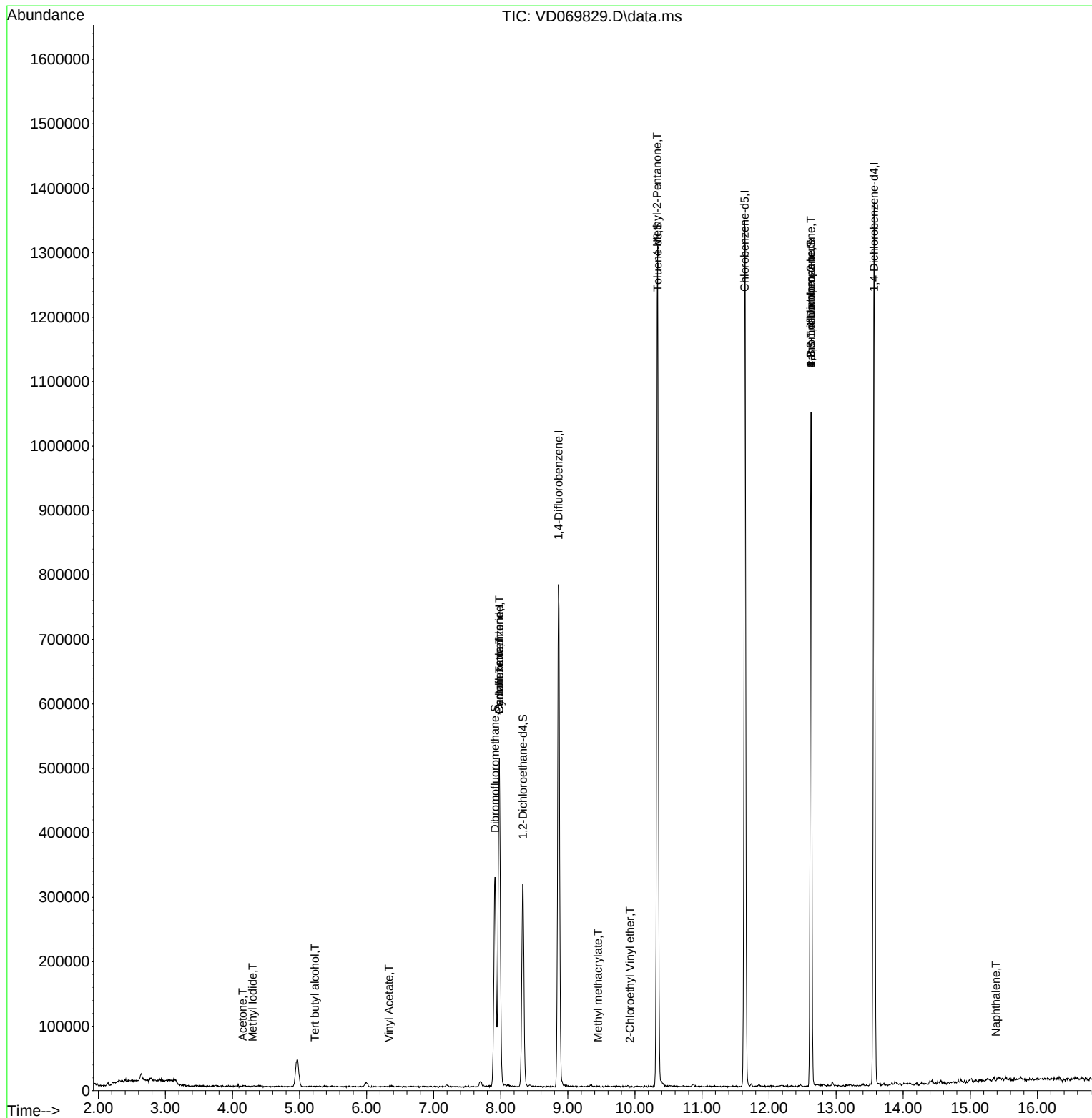
Internal Standards						
1) Pentafluorobenzene	7.979	168	357745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	667124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	791482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	359753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	254400	61.832	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.660%			
35) Dibromofluoromethane	7.914	113	239323	56.907	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.820%			
50) Toluene-d8	10.338	98	893804	55.117	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.240%			
62) 4-Bromofluorobenzene	12.626	95	358023	66.061	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 132.120%			
Target Compounds			Qvalue			
5) Bromomethane	2.785	94	2624	Below Cal		91
10) Methyl Iodide	4.303	142	1280	3.730 ug/l #		77
11) Tert butyl alcohol	5.226	59	236	1.109 ug/l #		73
16) Acetone	4.150	43	2246	3.022 ug/l #		38
23) Vinyl Acetate	6.332	43	178	20.372 ug/l #		71
31) Cyclohexane	7.979	56	9628	1.198 ug/l #		1
38) Carbon Tetrachloride	7.979	117	38352	5.832 ug/l #		16
48) Methyl methacrylate	9.450	41	67	2.772 ug/l #		13
51) 4-Methyl-2-Pentanone	10.332	43	3838	1.569 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.926	63	139	20.932 ug/l #		48
76) 1,2,3-Trichloropropane	12.626	75	175551	45.909 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	175551	139.275 ug/l #		16
95) Naphthalene	15.385	128	681	5.051 ug/l #		69

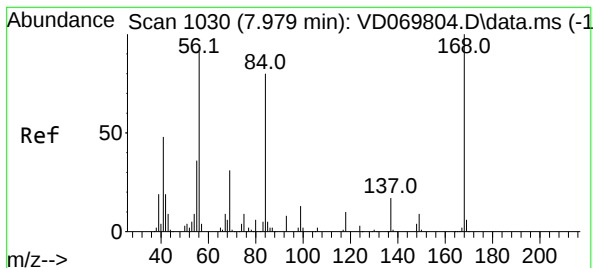
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD069829.D

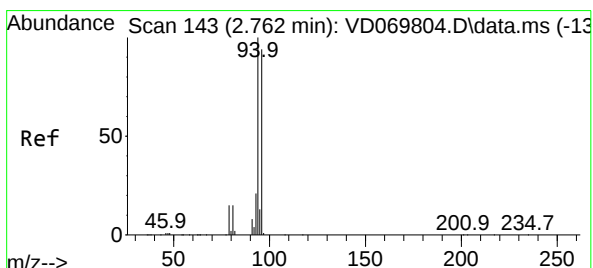
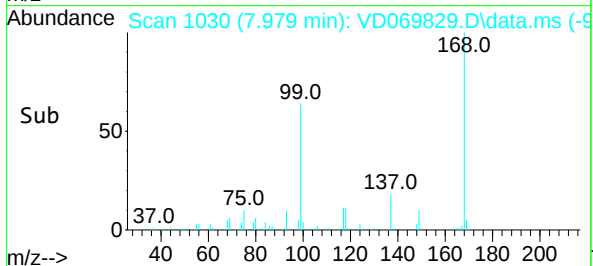
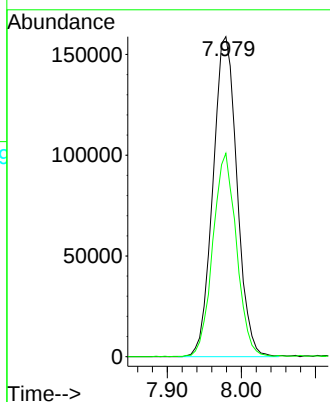
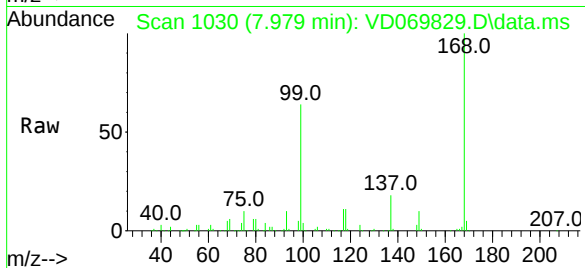
Acq: 23 Jul 2021 15:22

Tgt Ion:168 Resp: 357745

Ion Ratio Lower Upper

168 100

99 63.4 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.785 min Scan# 147

Delta R.T. 0.023 min

Lab File: VD069829.D

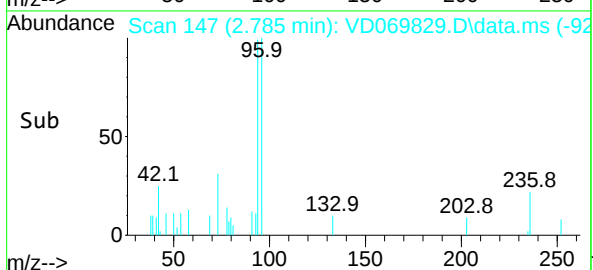
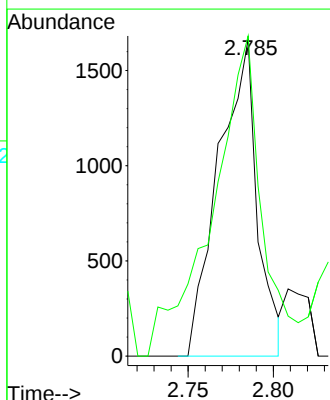
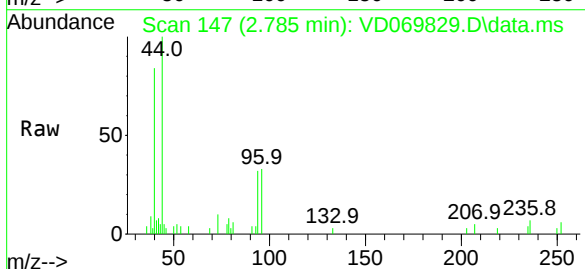
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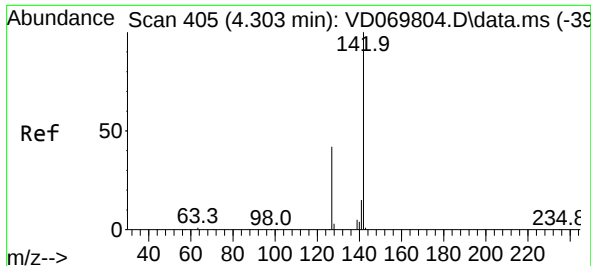
Tgt Ion: 94 Resp: 2624

Ion Ratio Lower Upper

94 100

96 85.2 74.8 112.2

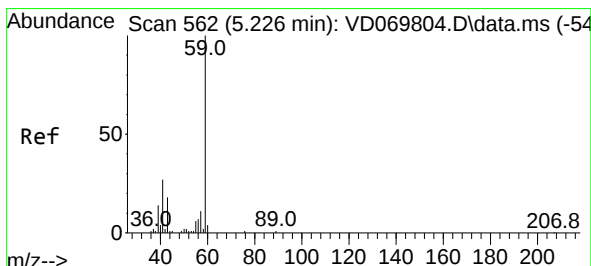
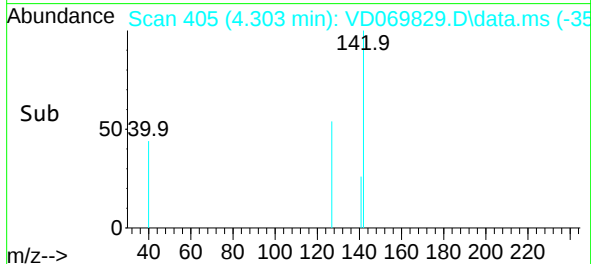
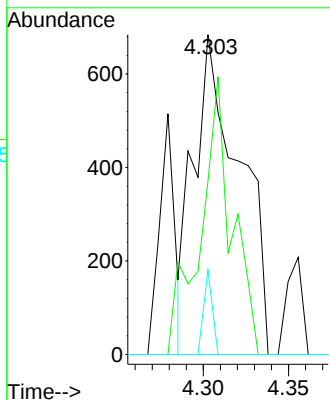
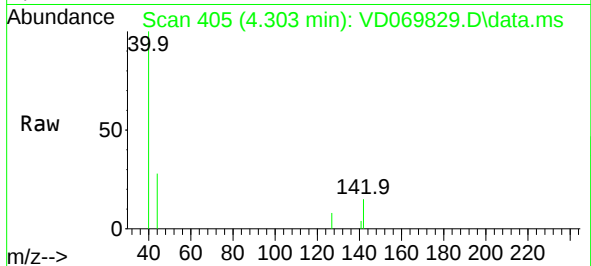




#10
Methyl Iodide
Concen: 3.730 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

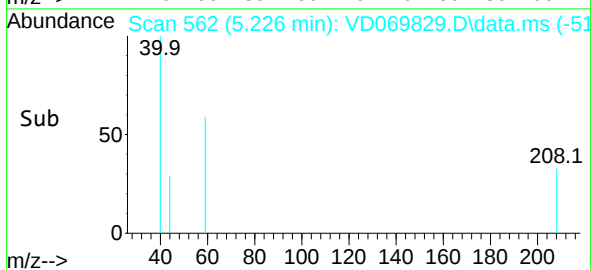
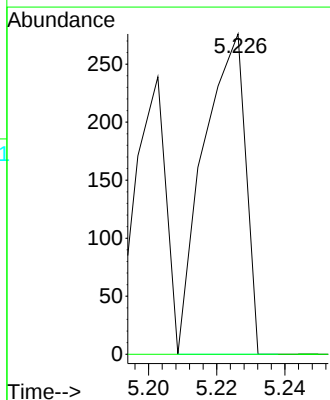
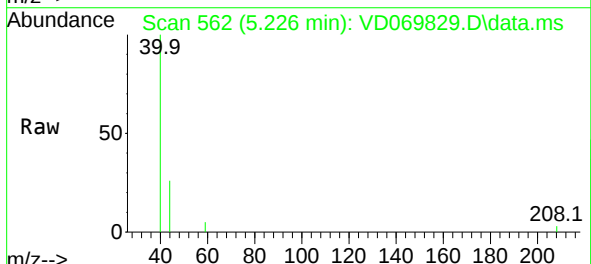
Instrument :
MSVOA_D
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NJ-CLEAN-1

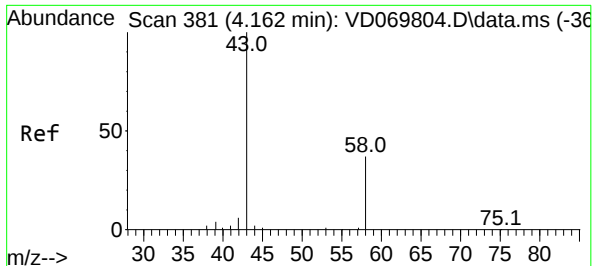
Tgt Ion:142 Resp: 1280
Ion Ratio Lower Upper
142 100
127 59.7 35.7 53.5#
141 5.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.109 ug/l
RT: 5.226 min Scan# 562
Delta R.T. -0.000 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

Tgt Ion: 59 Resp: 236
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

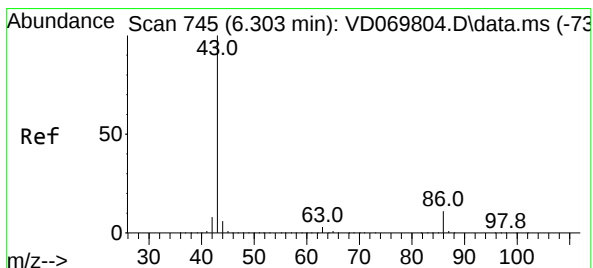
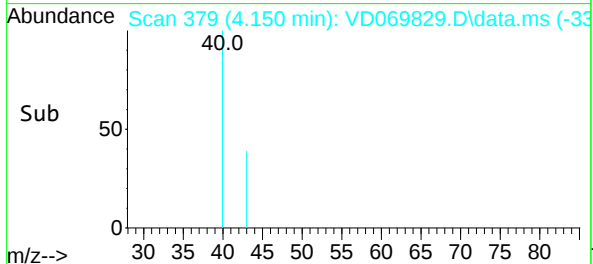
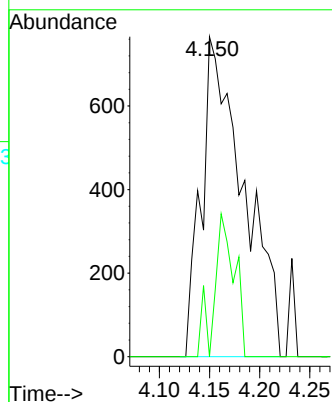
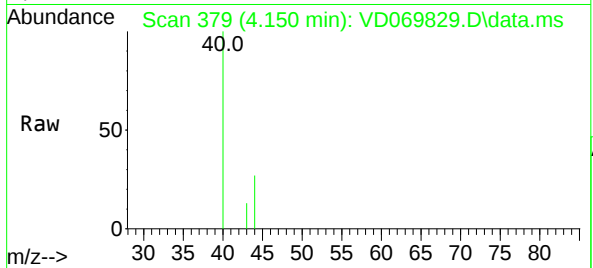




#16
Acetone
Concen: 3.022 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

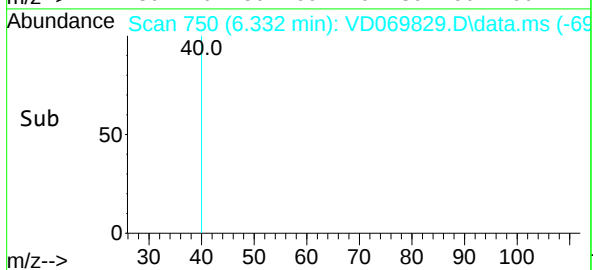
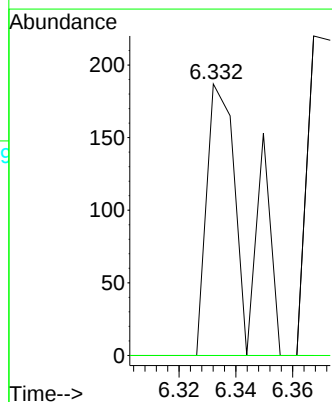
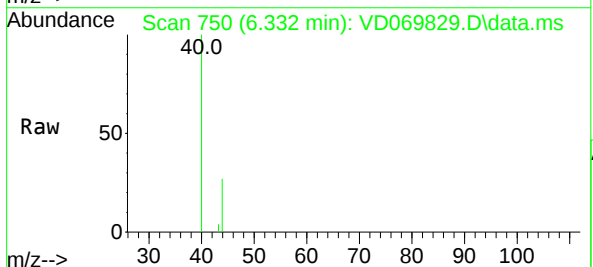
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-1

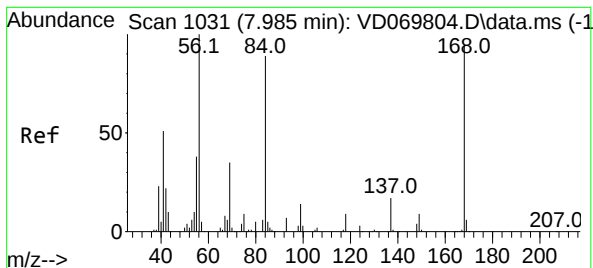
Tgt Ion: 43 Resp: 2246
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



#23
Vinyl Acetate
Concen: 20.372 ug/l
RT: 6.332 min Scan# 750
Delta R.T. 0.029 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

Tgt Ion: 43 Resp: 178
Ion Ratio Lower Upper
43 100
86 0.0 8.6 13.0#

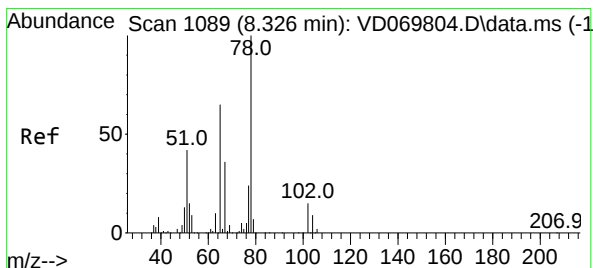
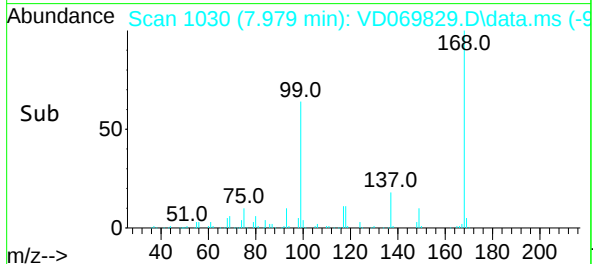
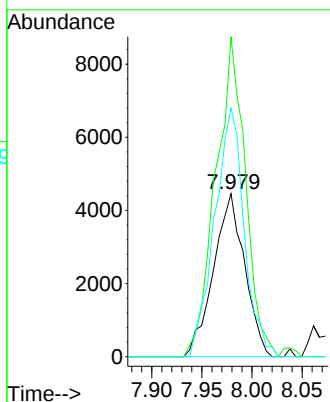
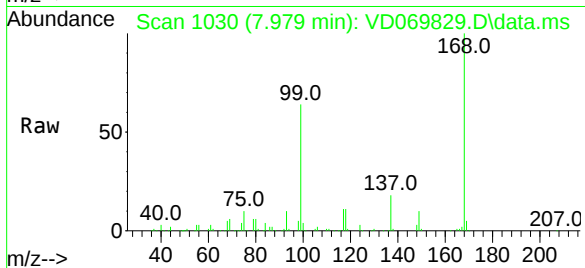




#31
Cyclohexane
Concen: 1.198 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

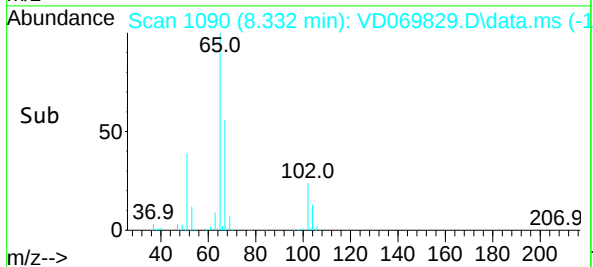
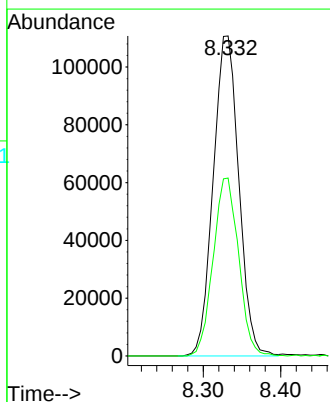
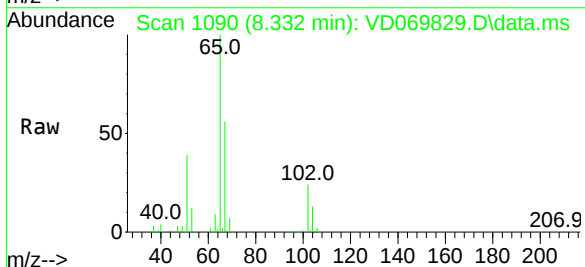
Instrument :
MSVOA_D
ClientSampleId :
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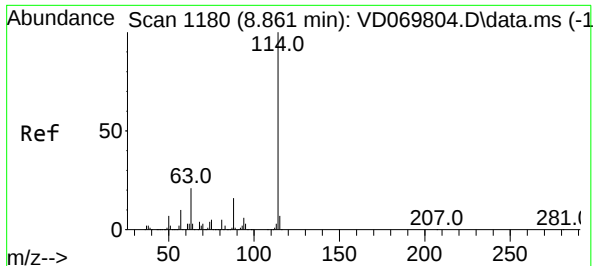
Tgt Ion: 56 Resp: 9628
Ion Ratio Lower Upper
56 100
69 196.3 27.9 41.9#
84 152.6 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 61.832 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

Tgt Ion: 65 Resp: 254400
Ion Ratio Lower Upper
65 100
67 55.2 0.0 111.2

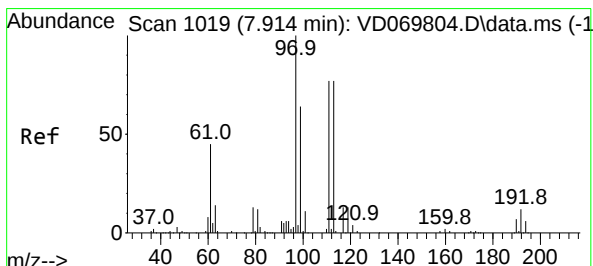
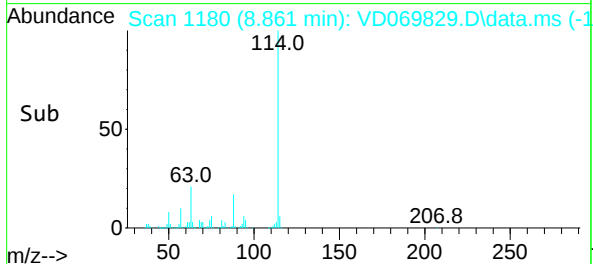
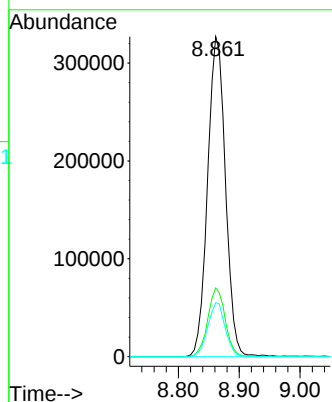
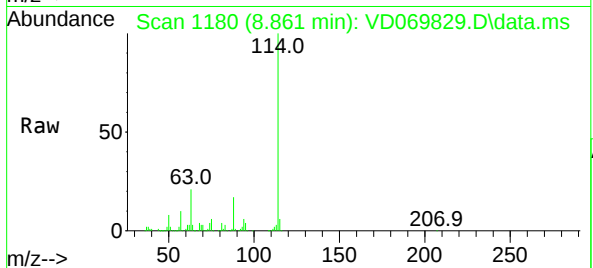




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

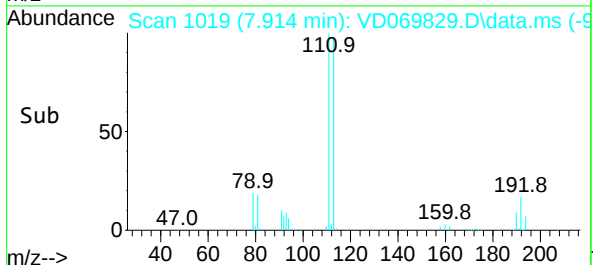
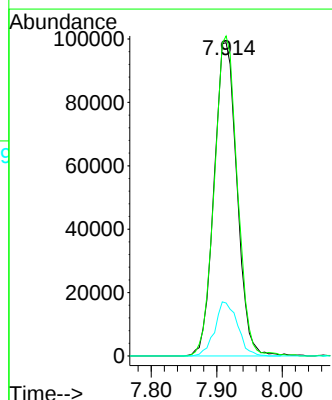
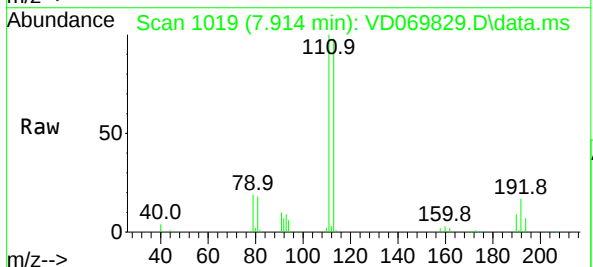
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-1

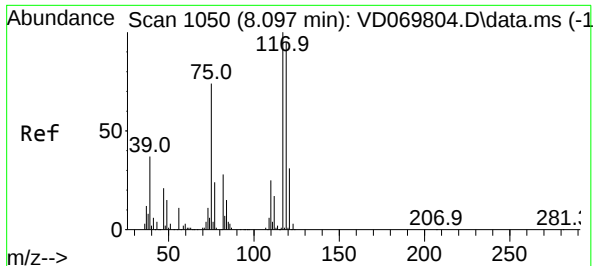
Tgt Ion:114 Resp: 667124
Ion Ratio Lower Upper
114 100
63 21.5 0.0 41.6
88 16.9 0.0 31.4



#35
Dibromofluoromethane
Concen: 56.907 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

Tgt Ion:113 Resp: 239323
Ion Ratio Lower Upper
113 100
111 101.9 80.5 120.7
192 17.1 12.6 19.0

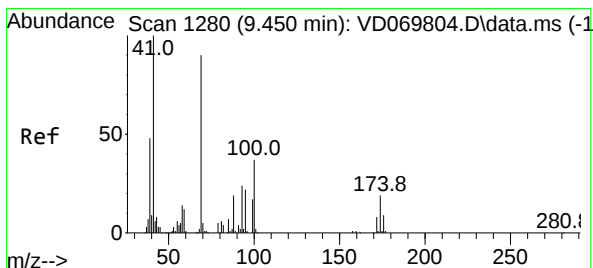
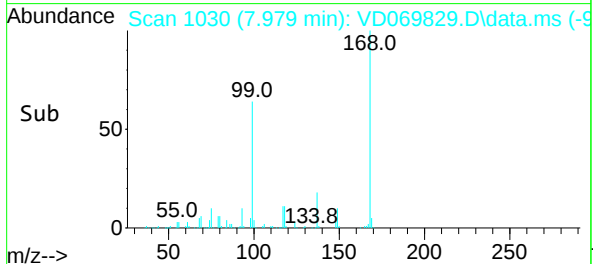
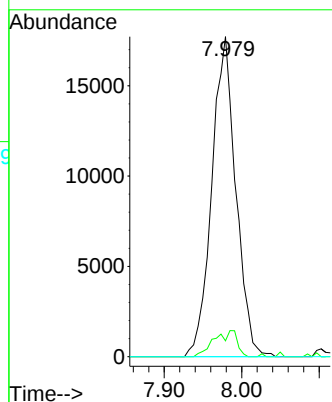
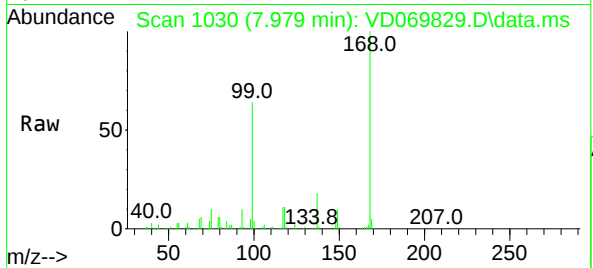




#38
Carbon Tetrachloride
Concen: 5.832 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

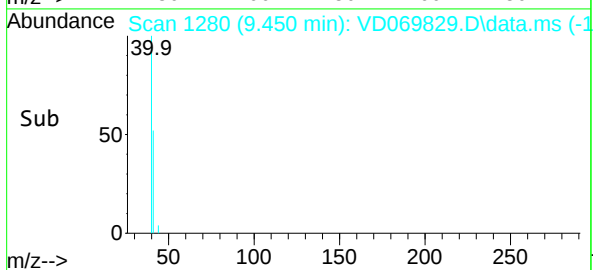
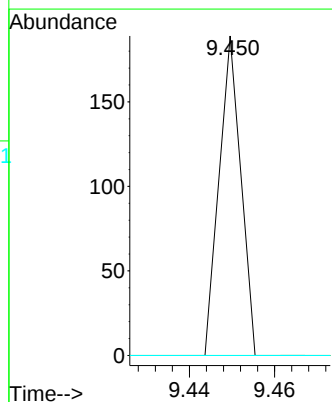
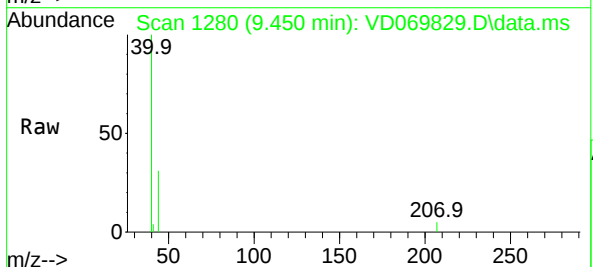
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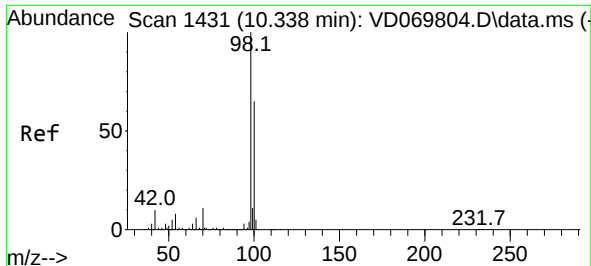
Tgt Ion:117 Resp: 38352
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.772 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

Tgt Ion: 41 Resp: 67
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

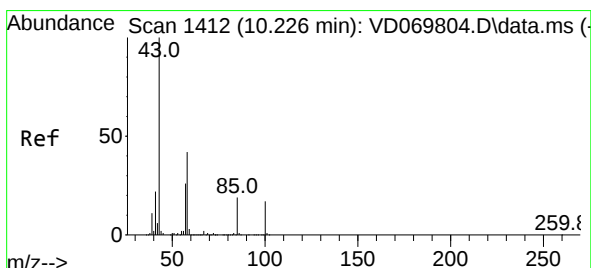
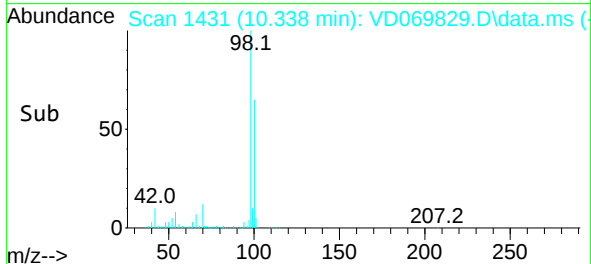
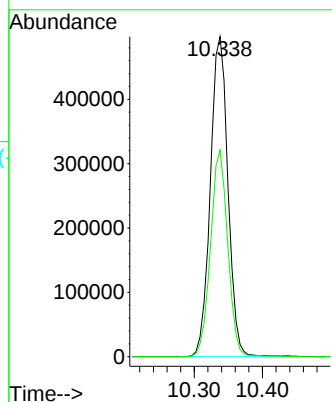
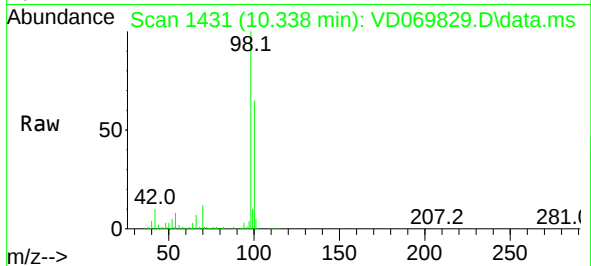




#50
Toluene-d8
Concen: 55.117 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

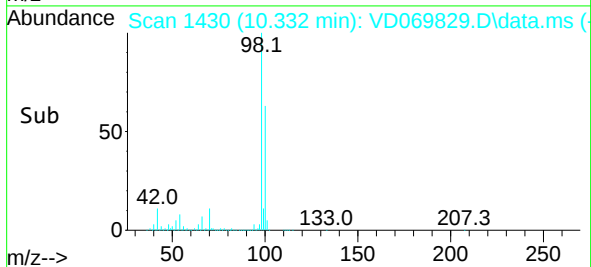
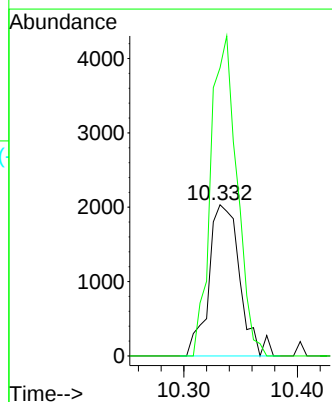
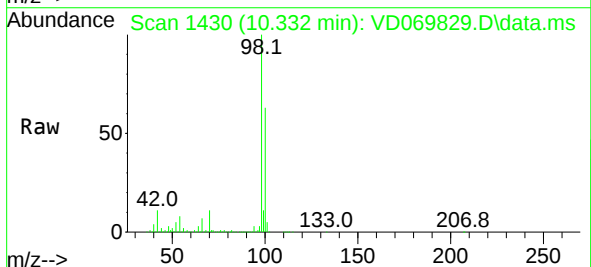
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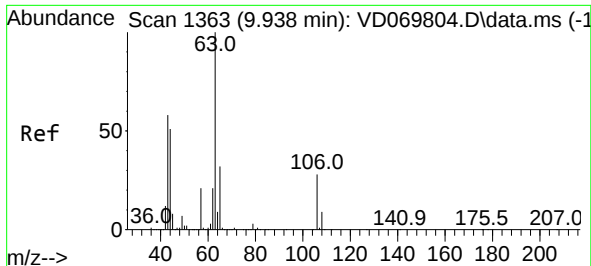
Tgt Ion: 98 Resp: 893804
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.569 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

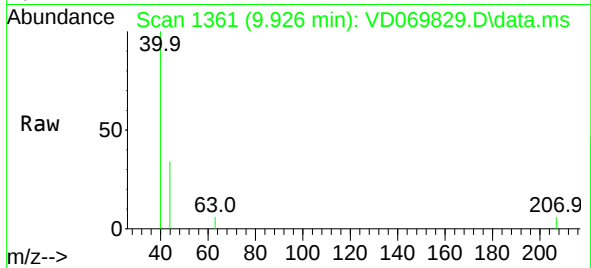
Tgt Ion: 43 Resp: 3838
Ion Ratio Lower Upper
43 100
58 180.1 33.7 50.5#



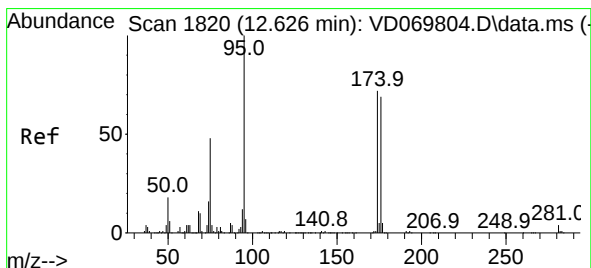
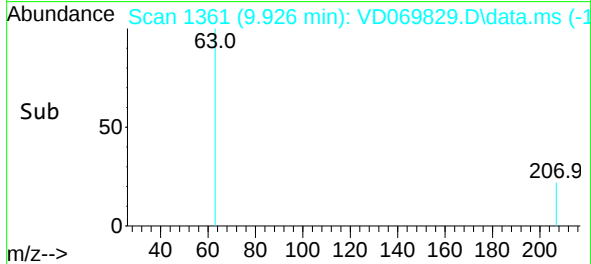
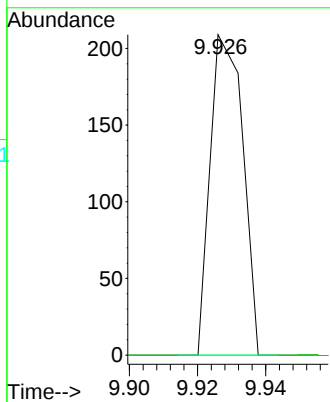


#58
2-Chloroethyl Vinyl ether
Concen: 20.932 ug/l
RT: 9.926 min Scan# 1361
Delta R.T. -0.012 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-1

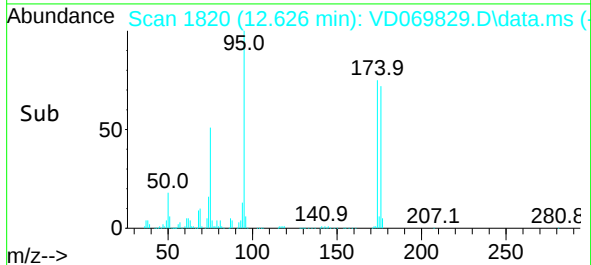
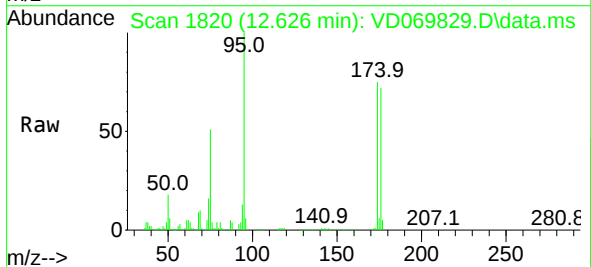
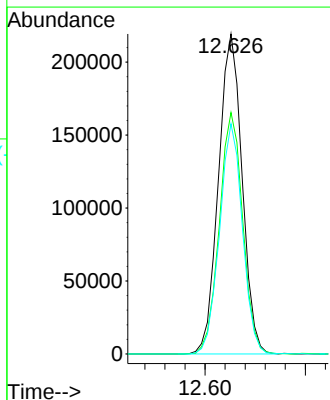


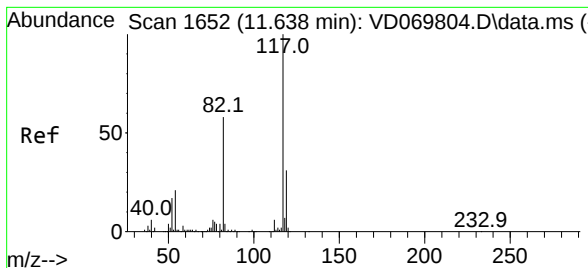
Tgt Ion: 63 Resp: 139
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 66.061 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

Tgt Ion: 95 Resp: 358023
Ion Ratio Lower Upper
95 100
174 74.7 0.0 142.6
176 69.8 0.0 134.2

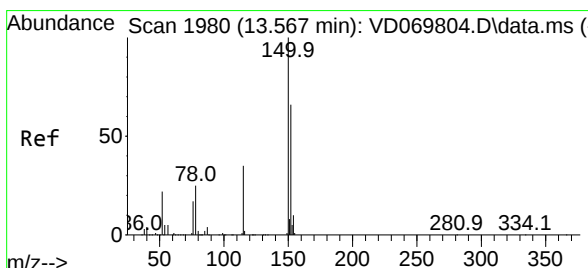
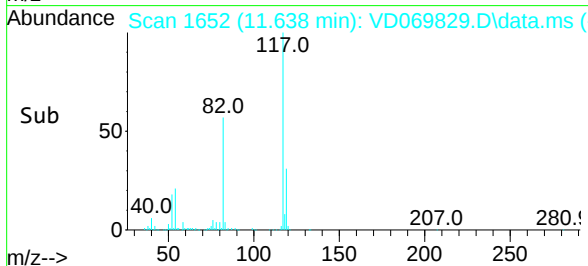
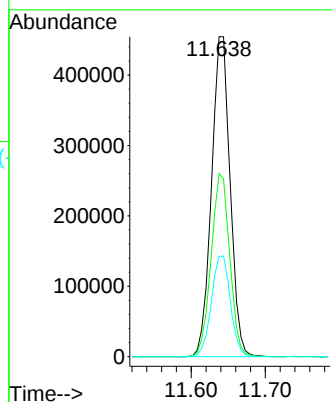
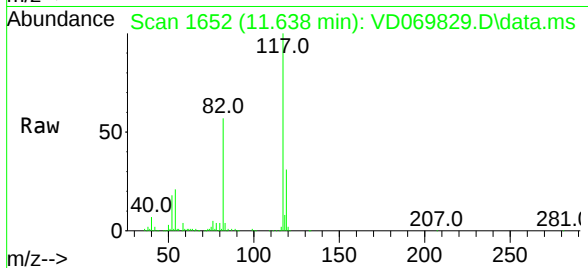




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

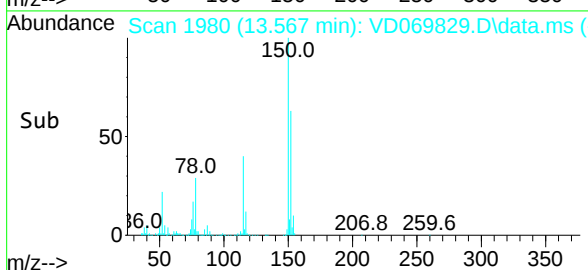
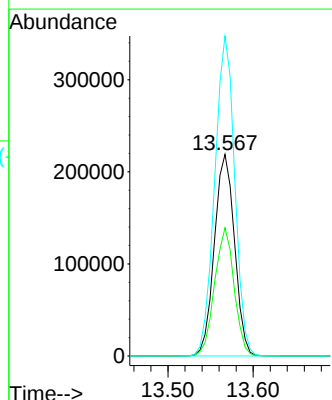
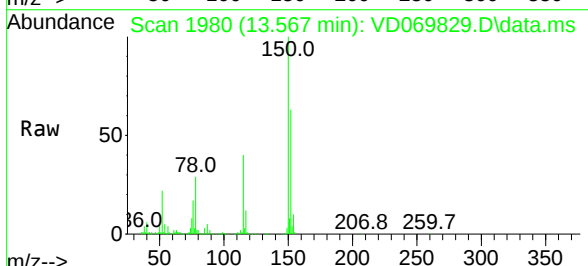
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-1

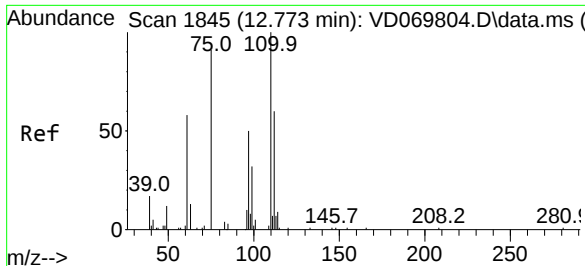
Tgt Ion:117 Resp: 791482
Ion Ratio Lower Upper
117 100
82 57.2 46.3 69.5
119 31.3 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

Tgt Ion:152 Resp: 359753
Ion Ratio Lower Upper
152 100
115 61.5 31.1 93.3
150 157.3 0.0 343.0

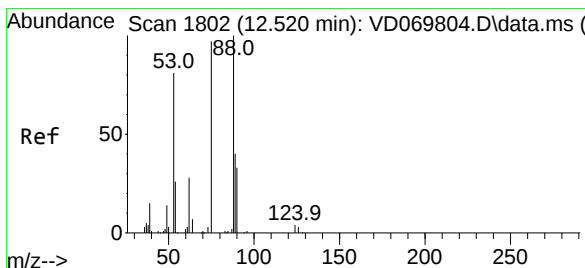
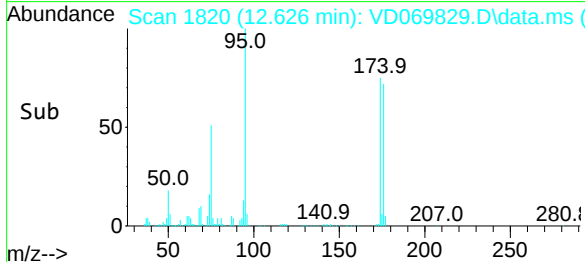
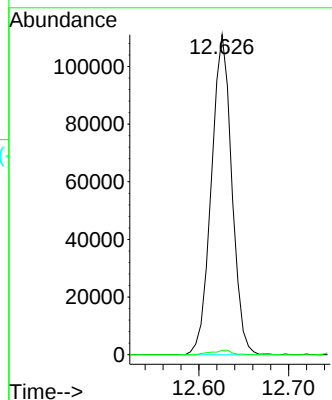
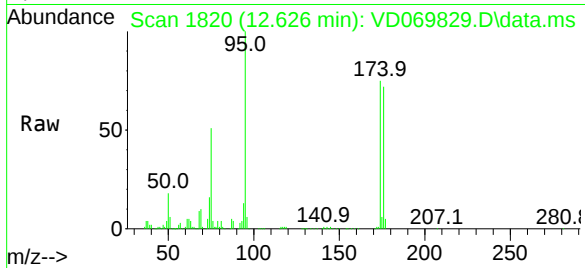




#76
1,2,3-Trichloropropane
Concen: 45.909 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

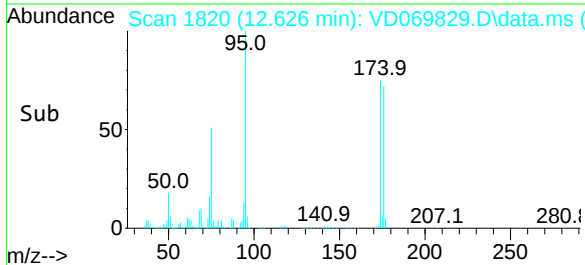
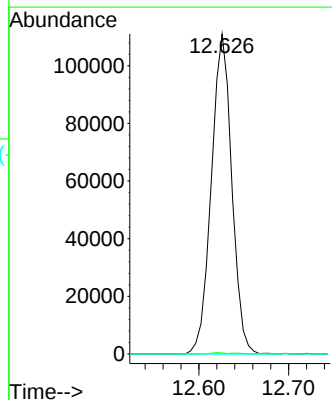
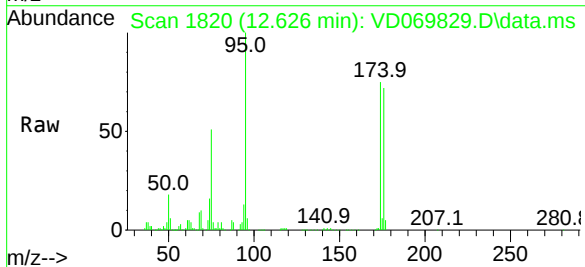
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-1

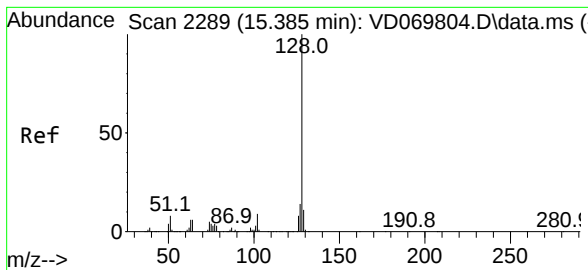
Tgt Ion: 75 Resp: 175551
Ion Ratio Lower Upper
75 100
77 1.4 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.275 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

Tgt Ion: 75 Resp: 175551
Ion Ratio Lower Upper
75 100
53 0.4 67.2 100.8#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 5.051 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069829.D
Acq: 23 Jul 2021 15:22

Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-1

Tgt Ion:128 Resp: 681
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

