

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072221\
 Data File : VD069813.D
 Acq On : 22 Jul 2021 17:44
 Operator : VA/SY
 Sample : M3117-03
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NJ-CLEAN-3

Quant Time: Jul 23 05:02:26 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)

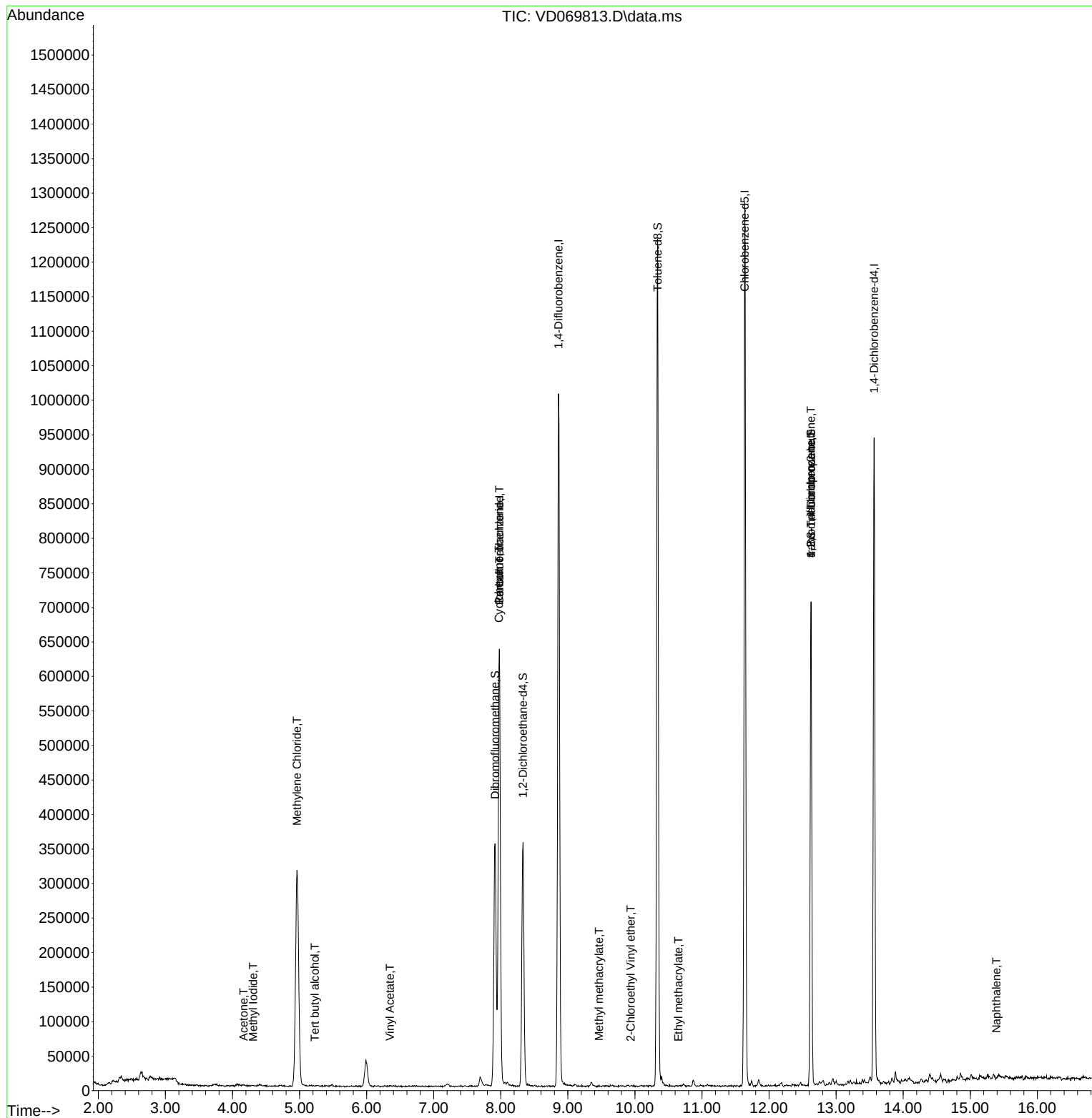
Internal Standards						
1) Pentafluorobenzene	7.979	168	443724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	856673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	741805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	244998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	280113	54.889	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.780%			
35) Dibromofluoromethane	7.914	113	267780	49.585	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.160%			
50) Toluene-d8	10.337	98	837038	40.196	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 80.400%			
62) 4-Bromofluorobenzene	12.626	95	245380	35.259	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 70.520%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	3898	Below Cal		97
10) Methyl Iodide	4.308	142	1561	3.726 ug/l #		85
11) Tert butyl alcohol	5.226	59	365	1.382 ug/l #		73
16) Acetone	4.167	43	3544	3.844 ug/l #		81
20) Methylene Chloride	4.961	84	262685	37.800 ug/l		98
23) Vinyl Acetate	6.349	43	315	20.382 ug/l #		71
31) Cyclohexane	7.973	56	12102	1.214 ug/l #		6
38) Carbon Tetrachloride	7.979	117	47610	5.638 ug/l #		17
48) Methyl methacrylate	9.467	41	66	2.766 ug/l #		73
56) Ethyl methacrylate	10.649	69	243	3.933 ug/l #		74
58) 2-Chloroethyl Vinyl ether	9.938	63	703	21.113 ug/l		92
76) 1,2,3-Trichloropropane	12.626	75	119180	45.765 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	119180	138.840 ug/l #		16
95) Naphthalene	15.390	128	2350	5.263 ug/l #		73

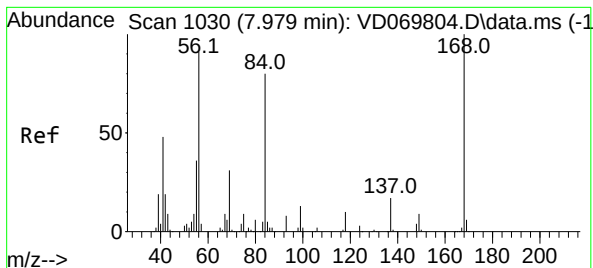
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD069813.D

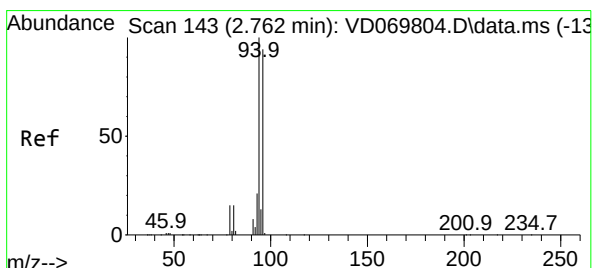
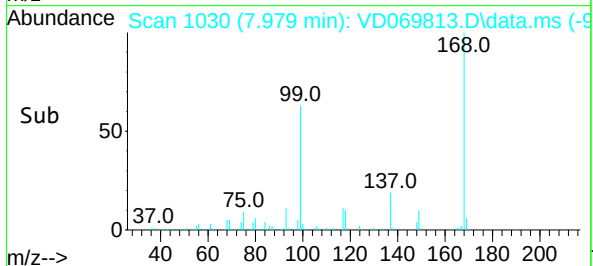
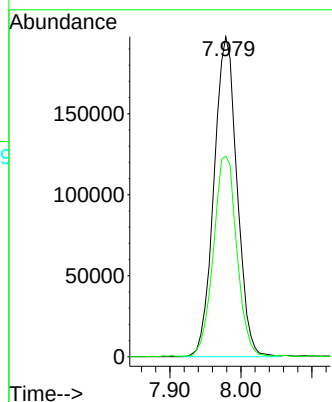
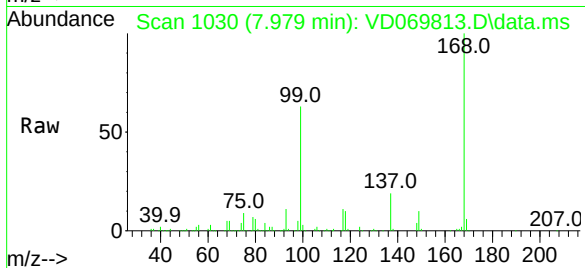
Acq: 22 Jul 2021 17:44

Tgt Ion:168 Resp: 443724

Ion Ratio Lower Upper

168 100

99 62.5 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD069813.D

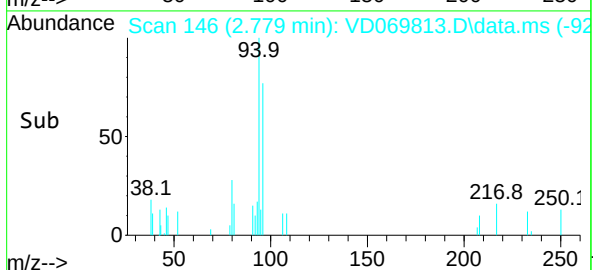
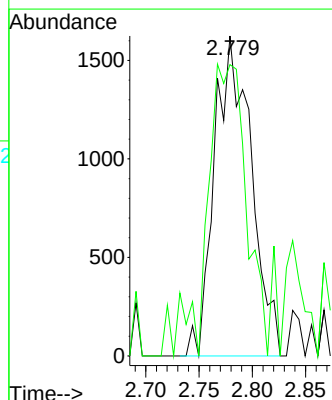
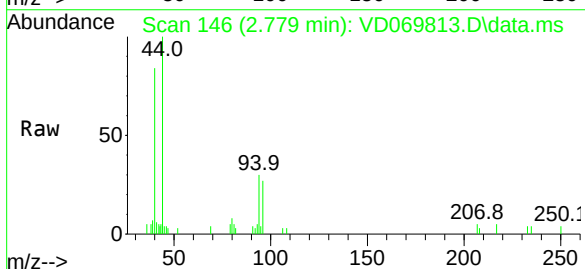
Acq: 22 Jul 2021 17:44

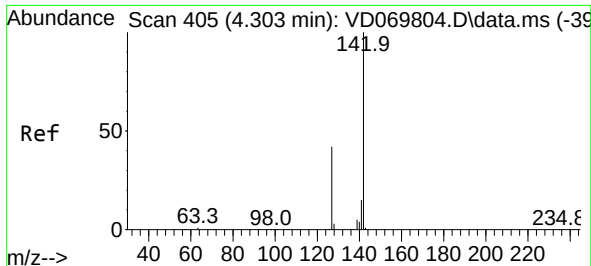
Tgt Ion: 94 Resp: 3898

Ion Ratio Lower Upper

94 100

96 91.1 74.8 112.2

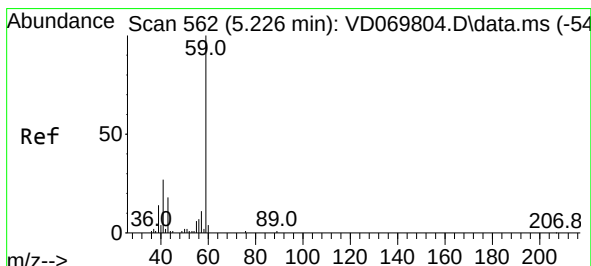
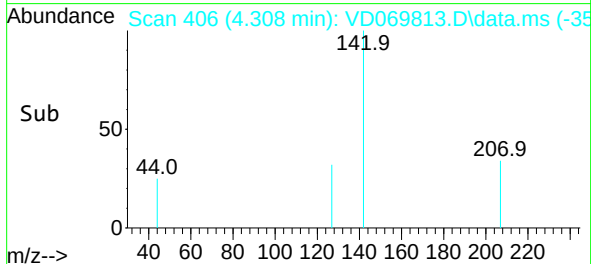
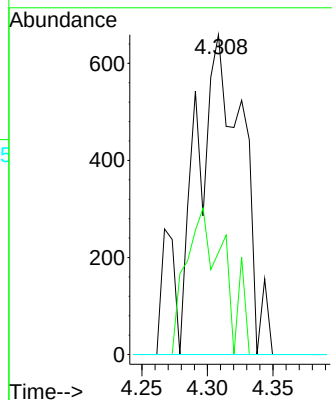
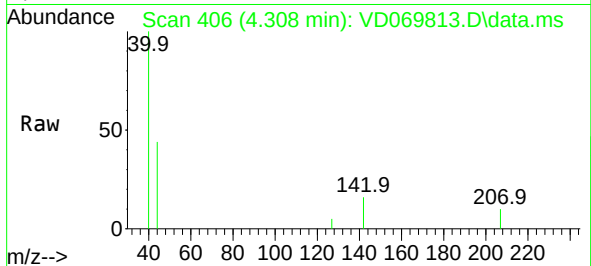




#10
Methyl Iodide
Concen: 3.726 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.005 min
Lab File: VD069813.D
Acq: 22 Jul 2021 17:44

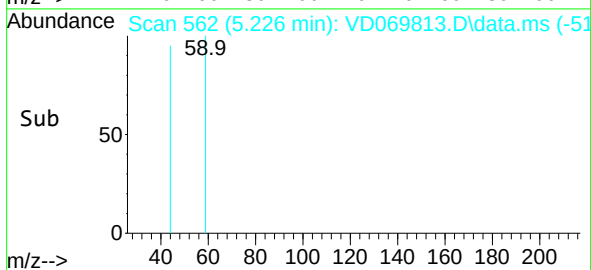
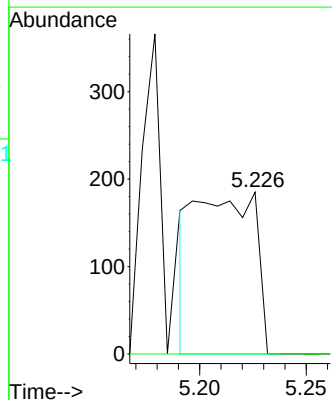
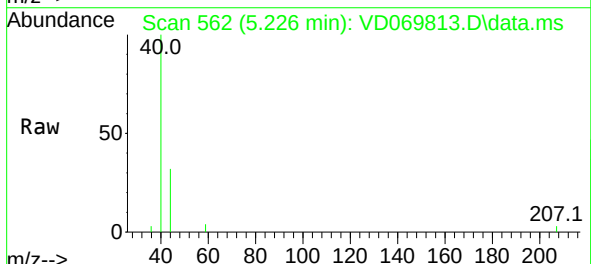
Instrument :
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NJ-CLEAN-3

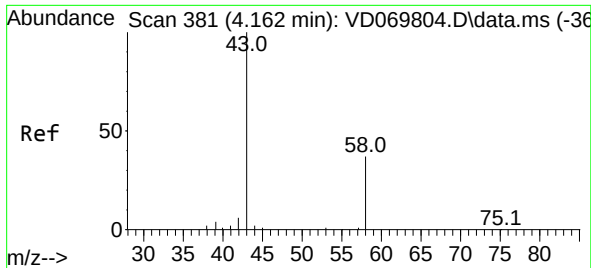
Tgt Ion:142 Resp: 1561
Ion Ratio Lower Upper
142 100
127 39.6 35.7 53.5
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.382 ug/l
RT: 5.226 min Scan# 562
Delta R.T. -0.000 min
Lab File: VD069813.D
Acq: 22 Jul 2021 17:44

Tgt Ion: 59 Resp: 365
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

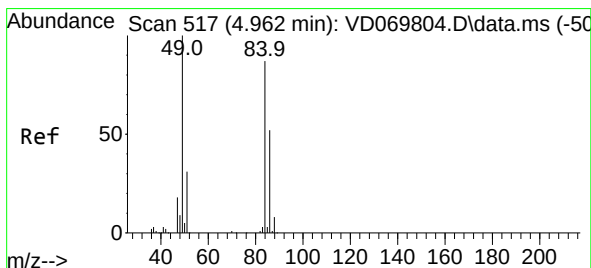
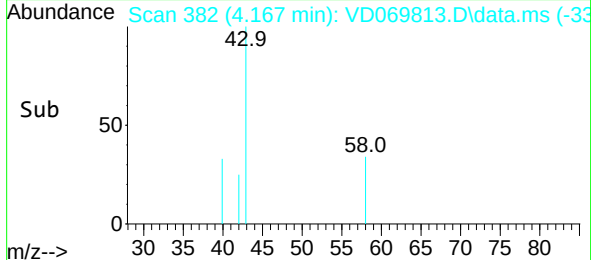
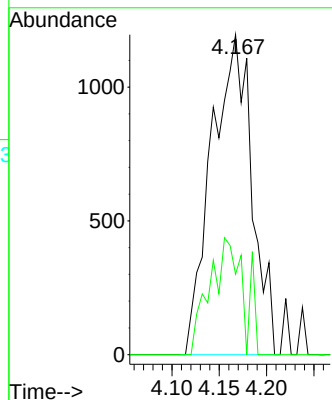
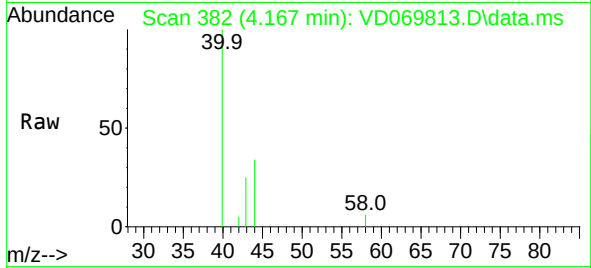




#16
Acetone
Concen: 3.844 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069813.D
Acq: 22 Jul 2021 17:44

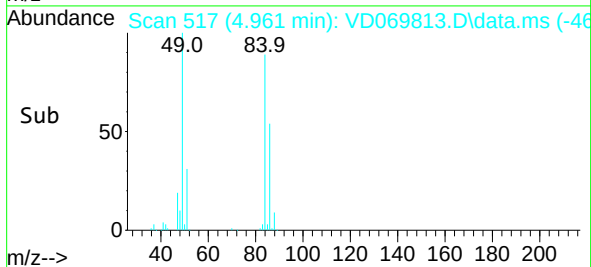
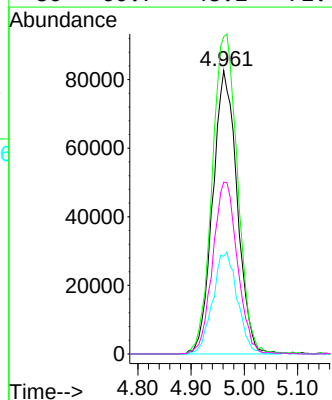
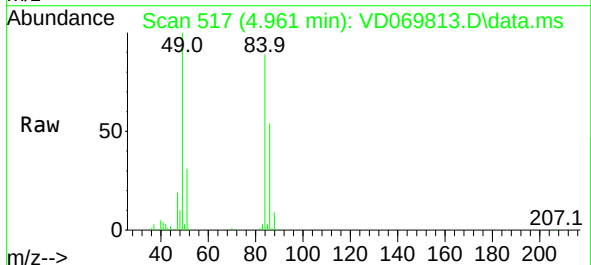
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-3

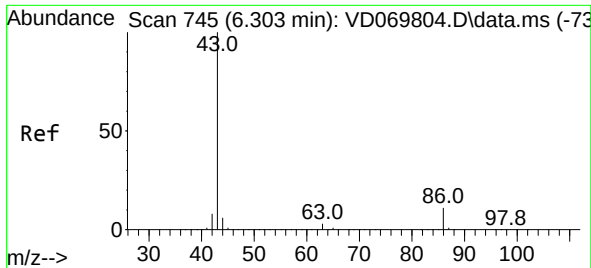
Tgt Ion: 43 Resp: 3544
Ion Ratio Lower Upper
43 100
58 25.2 29.4 44.0#



#20
Methylene Chloride
Concen: 37.800 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069813.D
Acq: 22 Jul 2021 17:44

Tgt Ion: 84 Resp: 262685
Ion Ratio Lower Upper
84 100
49 112.0 92.4 138.6
51 34.5 28.5 42.7
86 60.7 48.2 72.4

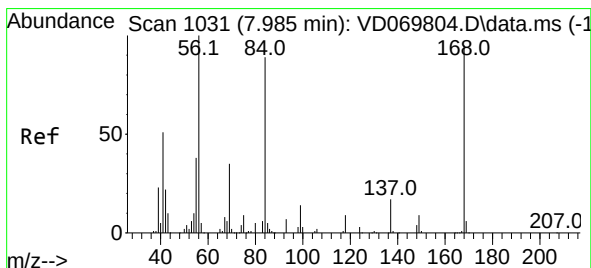
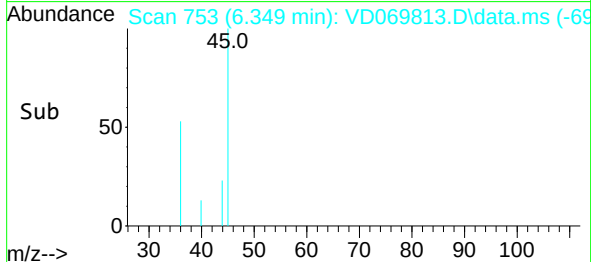
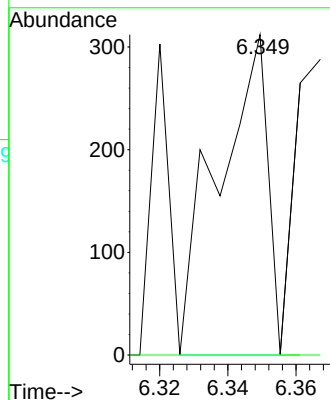
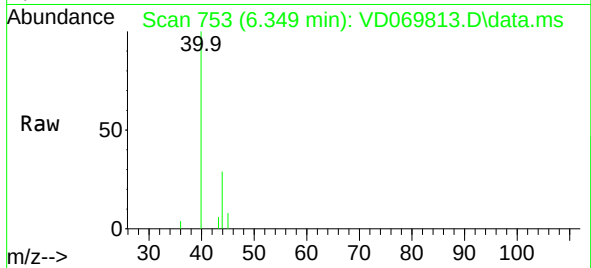




#23
 Vinyl Acetate
 Concen: 20.382 ug/l
 RT: 6.349 min Scan# 753
 Delta R.T. 0.046 min
 Lab File: VD069813.D
 Acq: 22 Jul 2021 17:44

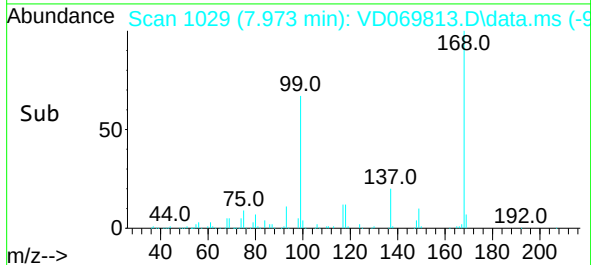
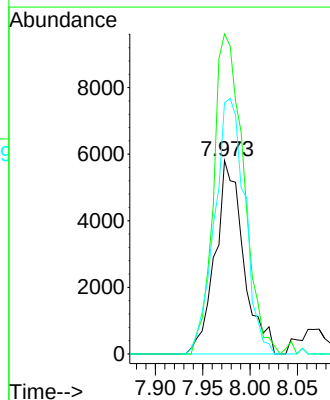
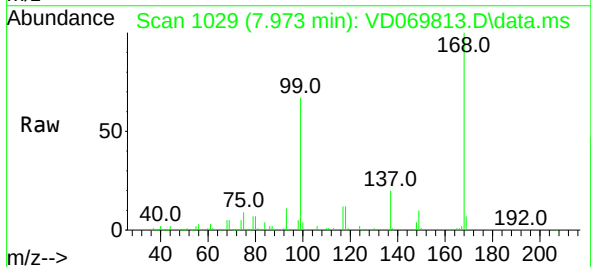
Instrument :
 MSVOA_D
 ClientSampleID :
 NJ-CLEAN-3

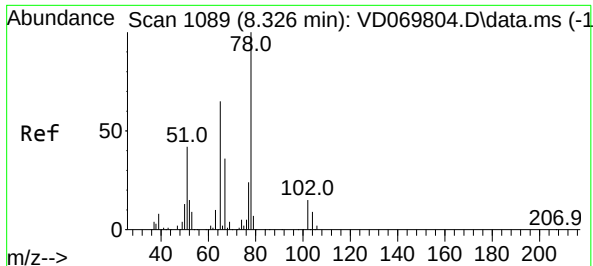
Tgt Ion: 43 Resp: 315
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.214 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD069813.D
 Acq: 22 Jul 2021 17:44

Tgt Ion: 56 Resp: 12102
 Ion Ratio Lower Upper
 56 100
 69 165.4 27.9 41.9#
 84 129.8 71.4 107.2#

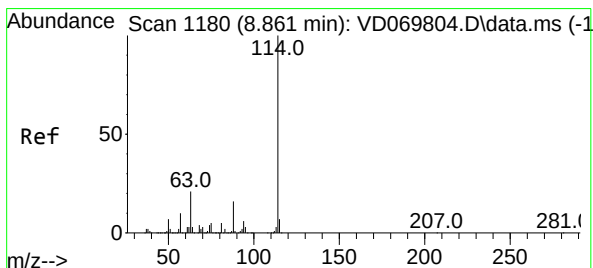
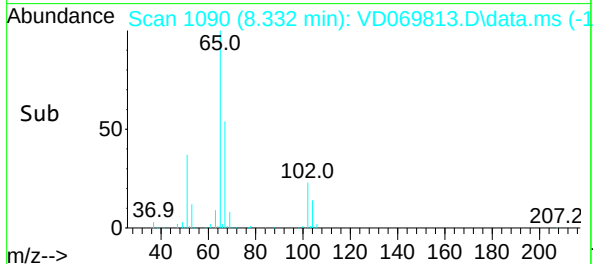
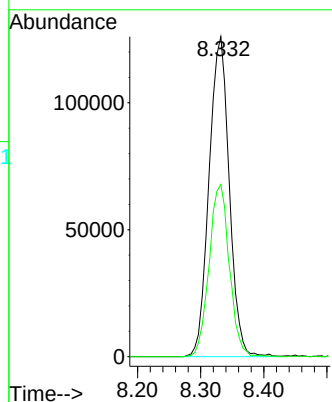
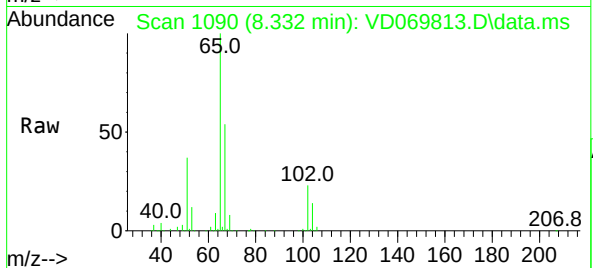




#33
1,2-Dichloroethane-d4
Concen: 54.889 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069813.D
Acq: 22 Jul 2021 17:44

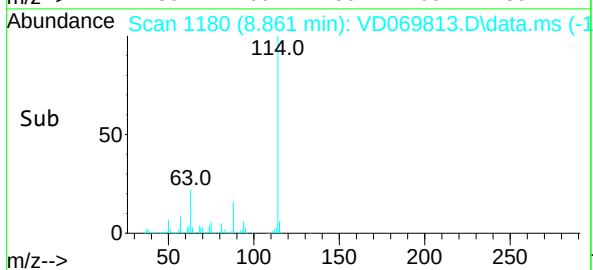
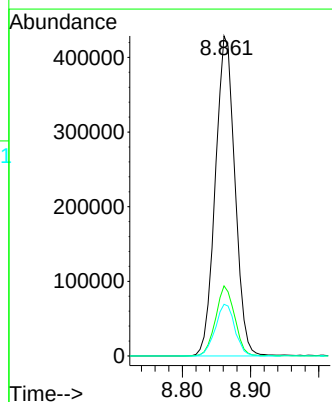
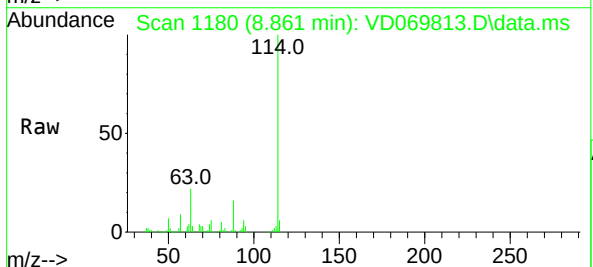
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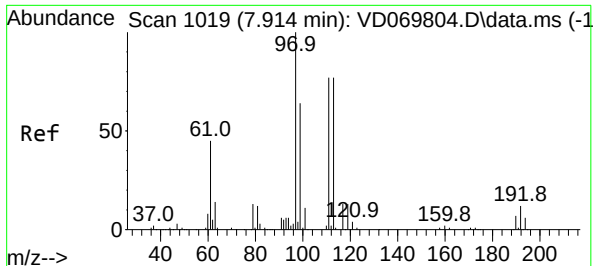
Tgt Ion: 65 Resp: 280113
Ion Ratio Lower Upper
65 100
67 54.0 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069813.D
Acq: 22 Jul 2021 17:44

Tgt Ion: 114 Resp: 856673
Ion Ratio Lower Upper
114 100
63 21.9 0.0 41.6
88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.585 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069813.D

Acq: 22 Jul 2021 17:44

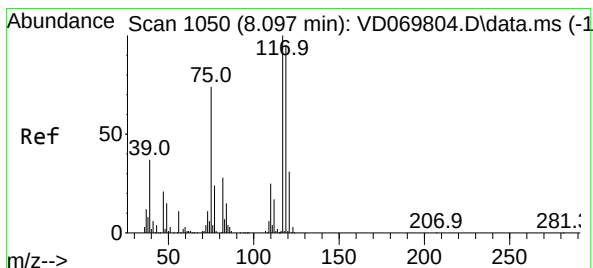
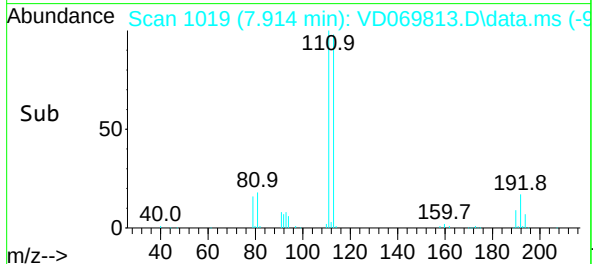
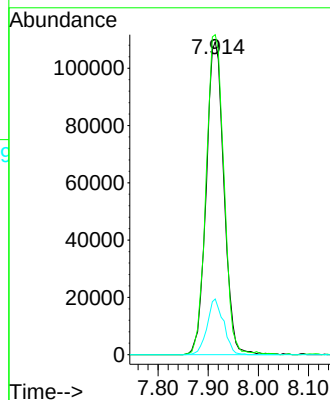
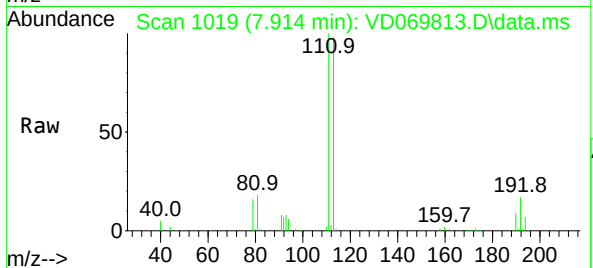
Tgt Ion:113 Resp: 267780

Ion Ratio Lower Upper

113 100

111 102.5 80.5 120.7

192 16.6 12.6 19.0



#38

Carbon Tetrachloride

Concen: 5.638 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD069813.D

Acq: 22 Jul 2021 17:44

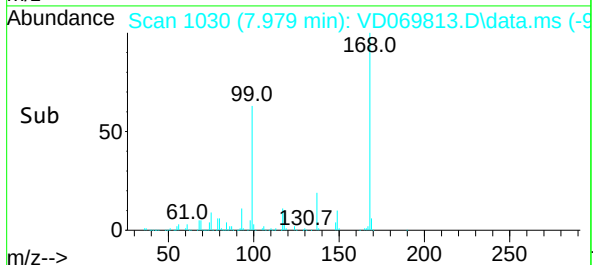
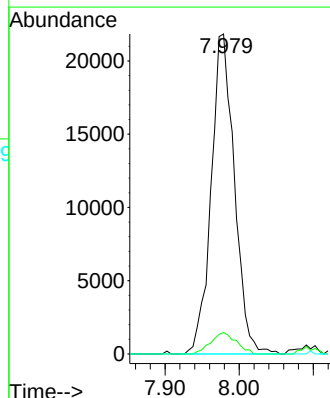
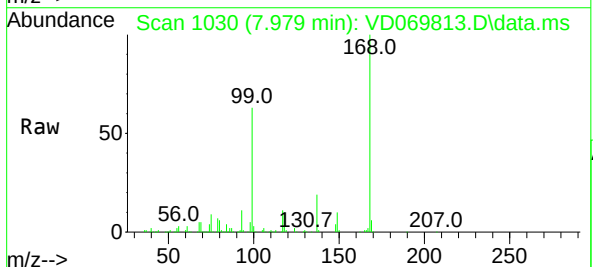
Tgt Ion:117 Resp: 47610

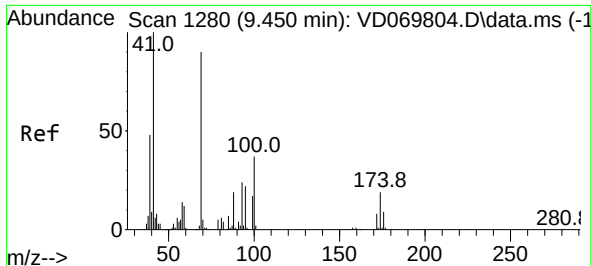
Ion Ratio Lower Upper

117 100

119 6.7 76.2 114.2#

121 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 2.766 ug/l

RT: 9.467 min Scan# 1283

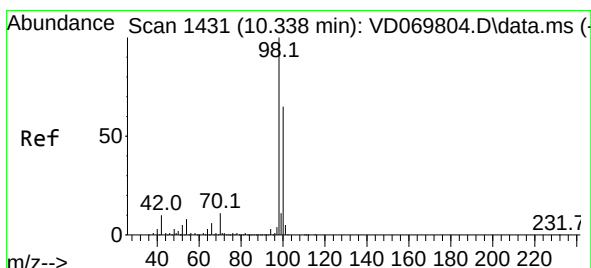
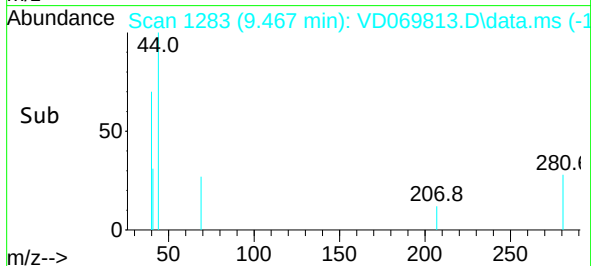
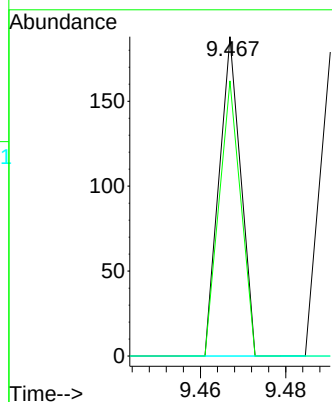
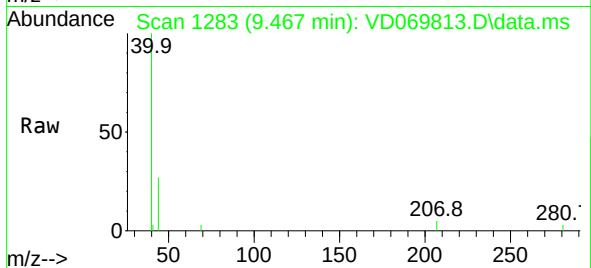
Delta R.T. 0.017 min

Lab File: VD069813.D

Acq: 22 Jul 2021 17:44

Tgt Ion:	41	Resp:	66
Ion	Ratio	Lower	Upper
41	100		
69	86.4	73.4	110.2
39	0.0	36.6	55.0#

Instrument :
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#50

Toluene-d8

Concen: 40.196 ug/l

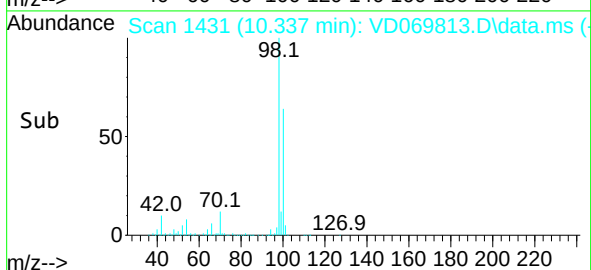
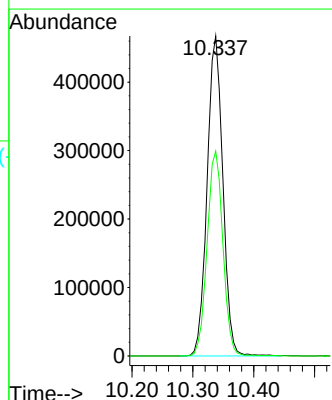
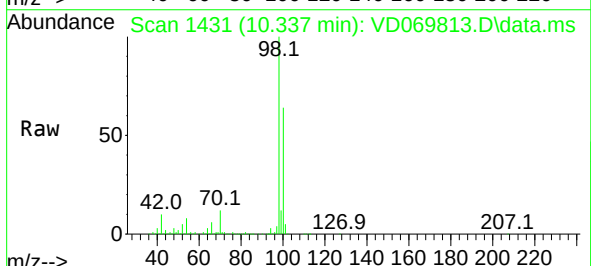
RT: 10.337 min Scan# 1431

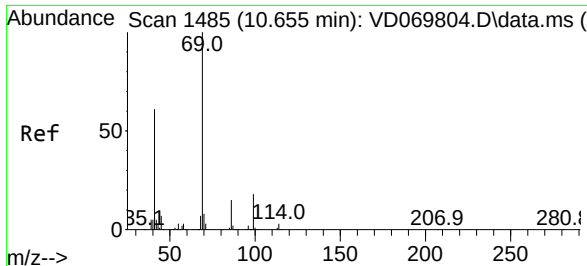
Delta R.T. -0.000 min

Lab File: VD069813.D

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Tgt Ion:	98	Resp:	837038
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.9	77.9

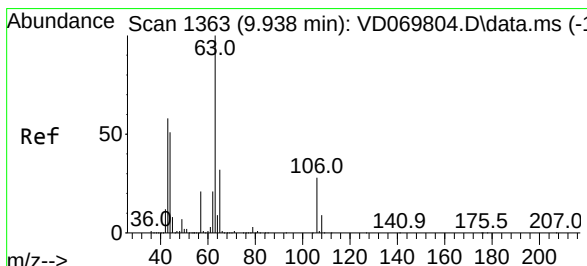
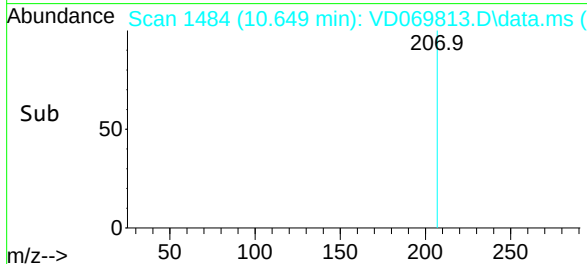
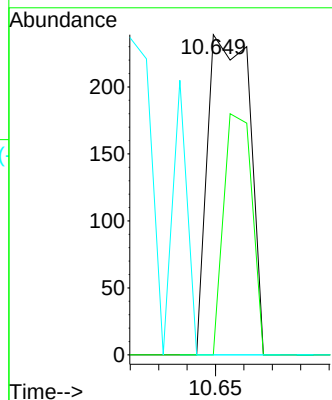
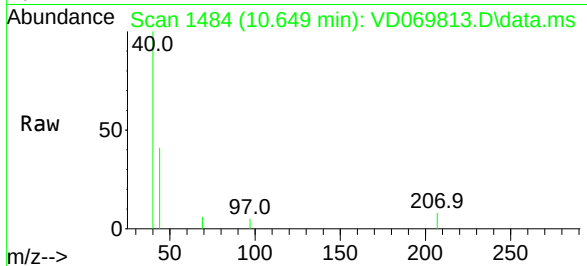




#56
Ethyl methacrylate
Concen: 3.933 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD069813.D
Acq: 22 Jul 2021 17:44

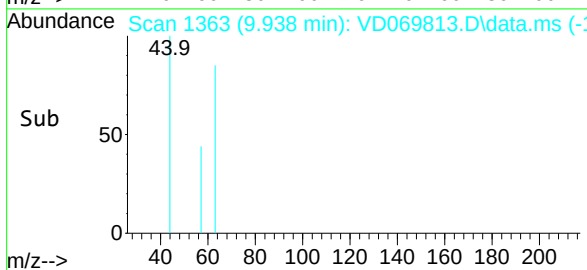
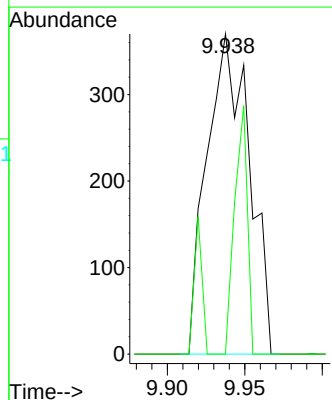
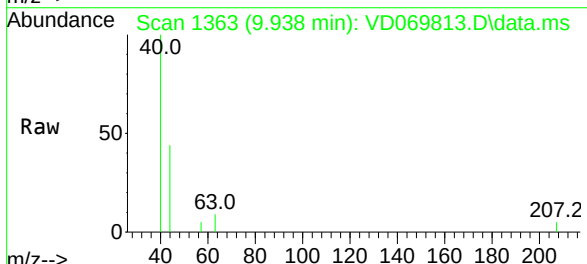
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NJ-CLEAN-3

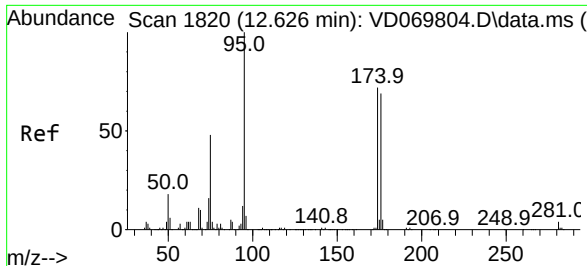
Tgt Ion: 69 Resp: 243
Ion Ratio Lower Upper
69 100
41 51.4 50.2 75.2
39 0.0 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 21.113 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.001 min
Lab File: VD069813.D
Acq: 22 Jul 2021 17:44

Tgt Ion: 63 Resp: 703
Ion Ratio Lower Upper
63 100
106 23.2 21.8 32.6

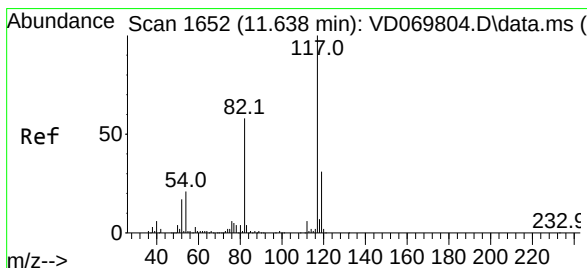
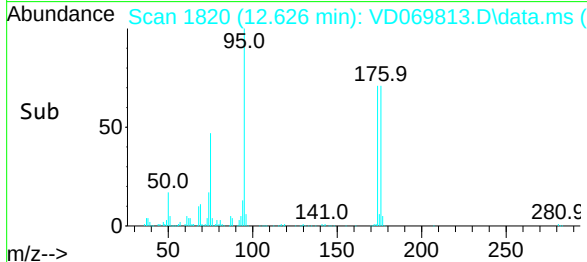
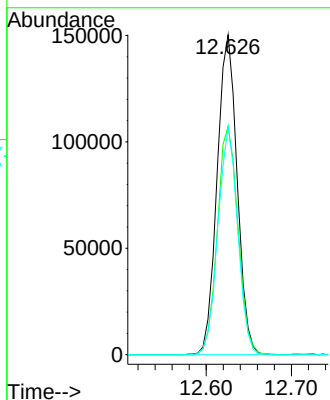
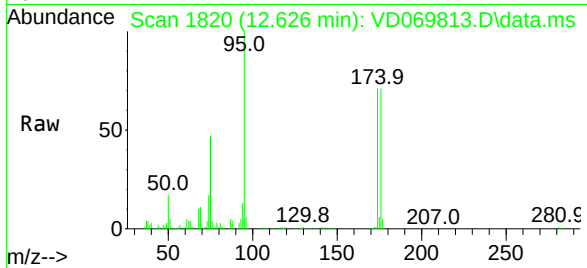




#62
4-Bromofluorobenzene
Concen: 35.259 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069813.D
Acq: 22 Jul 2021 17:44

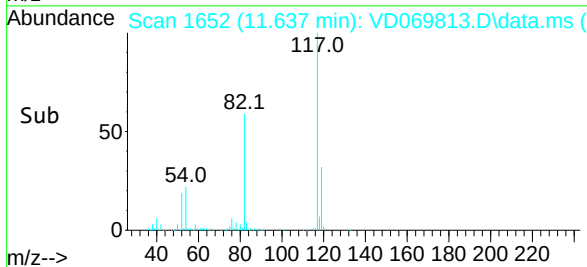
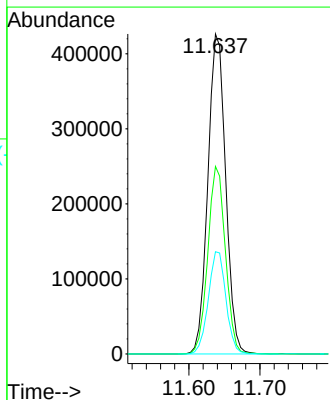
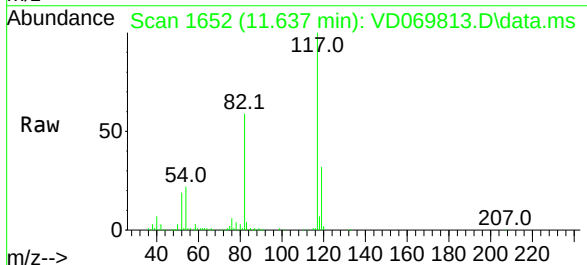
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-3

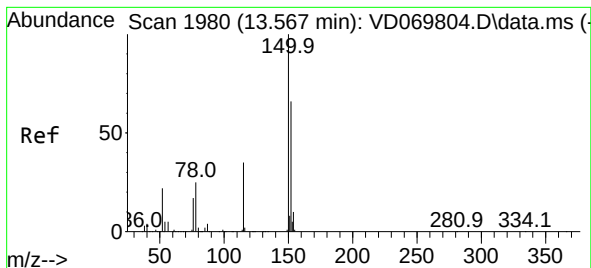
Tgt Ion: 95 Resp: 245380
Ion Ratio Lower Upper
95 100
174 73.8 0.0 142.6
176 70.1 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069813.D
Acq: 22 Jul 2021 17:44

Tgt Ion: 117 Resp: 741805
Ion Ratio Lower Upper
117 100
82 58.6 46.3 69.5
119 32.0 24.7 37.1

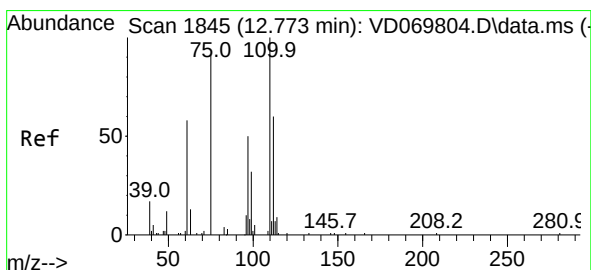
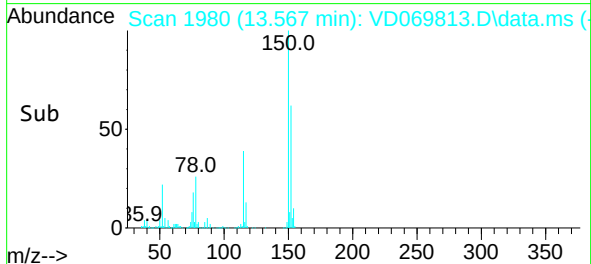
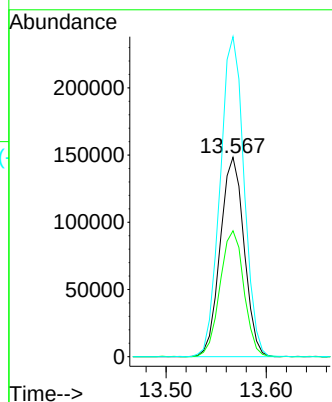
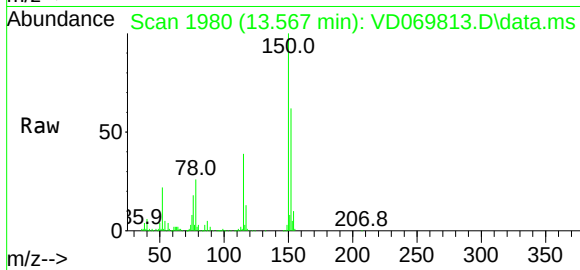




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069813.D
Acq: 22 Jul 2021 17:44

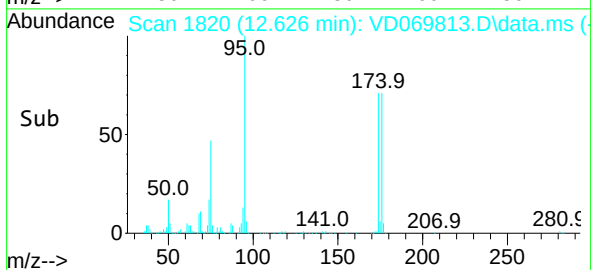
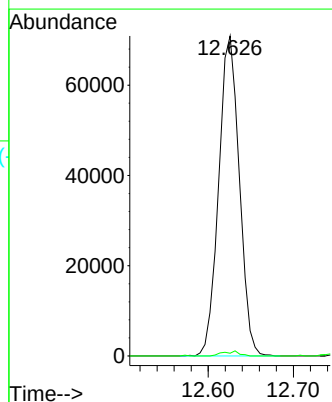
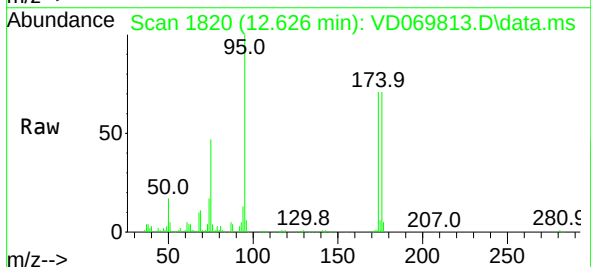
Instrument :
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ClientSampleId :
NJ-CLEAN-3

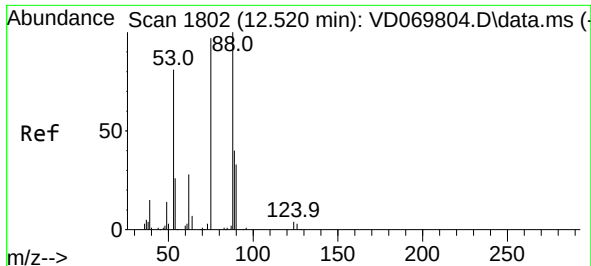
Tgt Ion:152 Resp: 244998
Ion Ratio Lower Upper
152 100
115 63.2 31.1 93.3
150 161.0 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 45.765 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069813.D
Acq: 22 Jul 2021 17:44

Tgt Ion: 75 Resp: 119180
Ion Ratio Lower Upper
75 100
77 1.2 181.5 544.5#

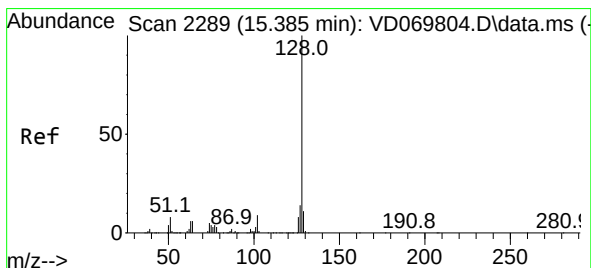
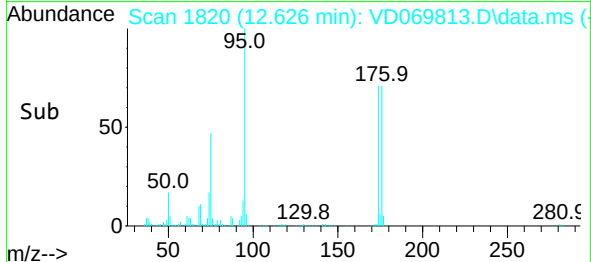
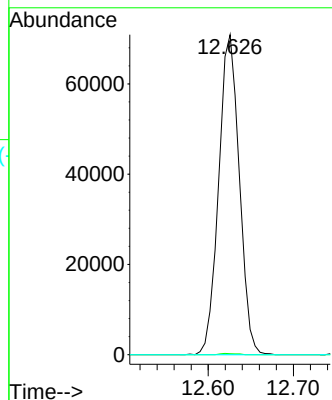
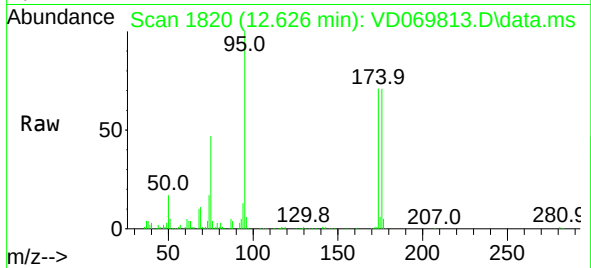




#81
trans-1,4-Dichloro-2-butene
Concen: 138.840 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069813.D
Acq: 22 Jul 2021 17:44

Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-3

Tgt Ion: 75 Resp: 119180
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.263 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069813.D
Acq: 22 Jul 2021 17:44

Tgt Ion: 128 Resp: 2350
Ion Ratio Lower Upper
128 100
127 2.8 10.6 16.0#
129 0.0 8.6 12.8#

