

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072221\
 Data File : VD069817.D
 Acq On : 22 Jul 2021 19:36
 Operator : VA/SY
 Sample : M3117-07
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

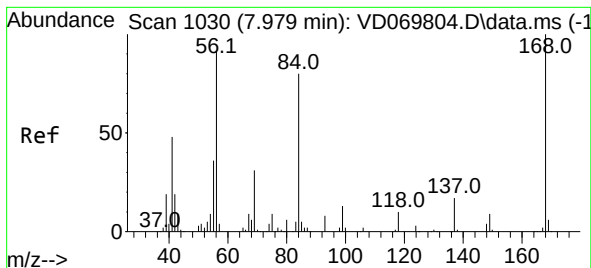
Instrument :
 MSVOA_D
 ClientSampleId :
 NJ-CLEAN-7

Quant Time: Jul 23 05:03:56 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	5951	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.856	114	11190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	11342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	4080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	7471	109.158	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 218.320%#			
35) Dibromofluoromethane	7.920	113	3311	46.937	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.880%			
50) Toluene-d8	10.338	98	12347	45.393	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.780%			
62) 4-Bromofluorobenzene	12.620	95	3945	43.397	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.800%			
Target Compounds						Qvalue
3) Chloromethane	2.203	50	754	8.298	ug/l #	43
5) Bromomethane	2.791	94	460	6.495	ug/l #	54
6) Chloroethane	2.950	64	131	2.115	ug/l #	40
10) Methyl Iodide	4.309	142	78	4.444	ug/l #	40
12) 1,1-Dichloroethene	4.003	96	156	2.291	ug/l #	1
16) Acetone	4.168	43	179	14.478	ug/l #	86
20) Methylene Chloride	4.950	84	4840	54.634	ug/l #	90
23) Vinyl Acetate	6.097	43	54	20.765	ug/l #	71
25) 2-Butanone	7.185	43	77	4.592	ug/l #	46
31) Cyclohexane	7.967	56	319	2.385	ug/l #	15
36) 1,1-Dichloropropene	7.985	75	450	3.726	ug/l #	42
37) Ethyl Acetate	7.373	43	57	1.297	ug/l #	67
38) Carbon Tetrachloride	7.973	117	423	3.835	ug/l #	12
56) Ethyl methacrylate	10.426	69	76	4.784	ug/l #	14
59) 2-Hexanone	11.050	43	61	2.248	ug/l #	21
73) Isopropylbenzene	12.467	105	301	1.027	ug/l #	49
74) N-amyl acetate	12.297	43	64	1.061	ug/l #	39
76) 1,2,3-Trichloropropane	12.620	75	1897	43.743	ug/l #	1
78) n-propylbenzene	12.814	91	613	1.628	ug/l #	54
79) 2-Chlorotoluene	12.902	91	306	1.399	ug/l #	43
81) trans-1,4-Dichloro-2-b...	12.620	75	1897	132.703	ug/l #	16
82) 4-Chlorotoluene	12.902	91	306	1.338	ug/l #	43
85) sec-Butylbenzene	13.402	105	344	1.067	ug/l #	58
87) 1,3-Dichlorobenzene	13.502	146	314	2.265	ug/l #	24
88) 1,4-Dichlorobenzene	13.579	146	144	1.042	ug/l #	59
89) n-Butylbenzene	13.832	91	400	1.548	ug/l #	48
93) 1,2,4-Trichlorobenzene	15.149	180	65	1.007	ug/l #	12
95) Naphthalene	15.373	128	384	7.590	ug/l #	69

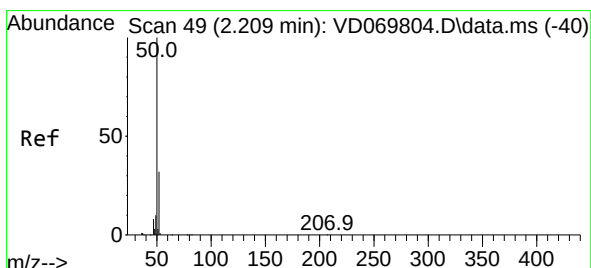
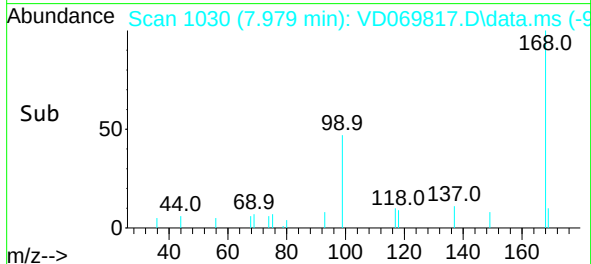
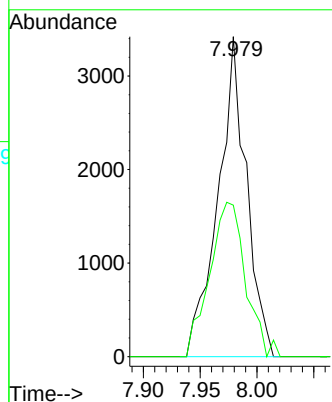
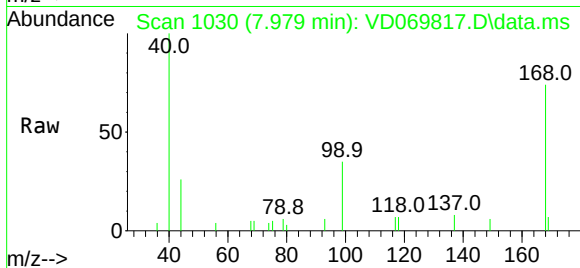
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

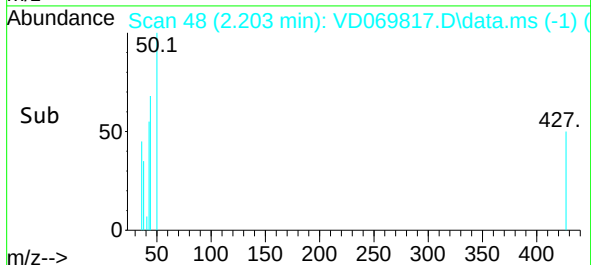
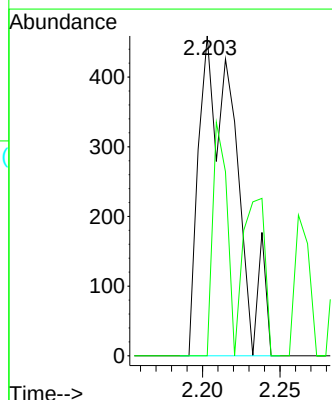
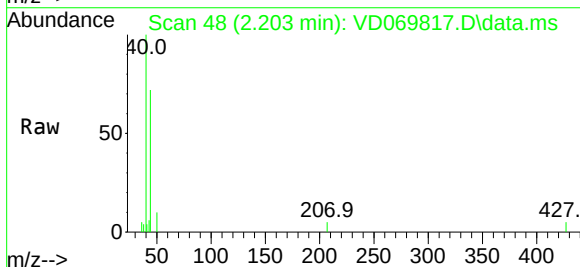
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MSVOA_D
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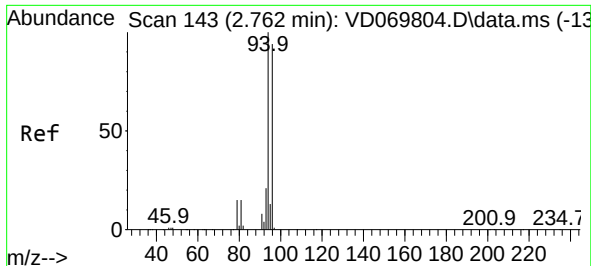
Tgt Ion:168 Resp: 5951
Ion Ratio Lower Upper
168 100
99 47.3 51.1 76.7#



#3
Chloromethane
Concen: 8.298 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Tgt Ion: 50 Resp: 754
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

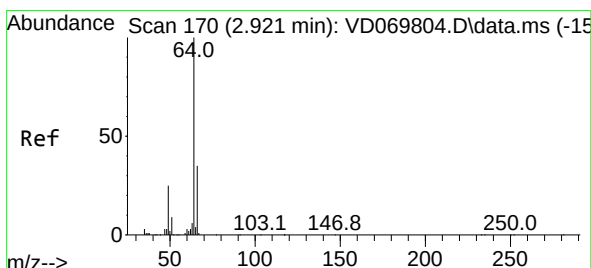
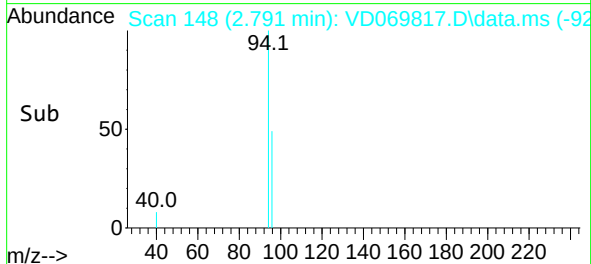
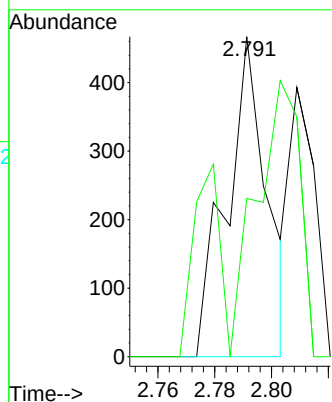
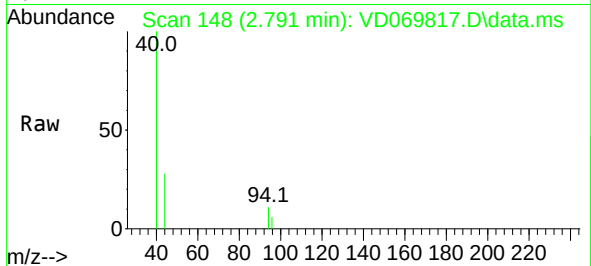




#5
Bromomethane
Concen: 6.495 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

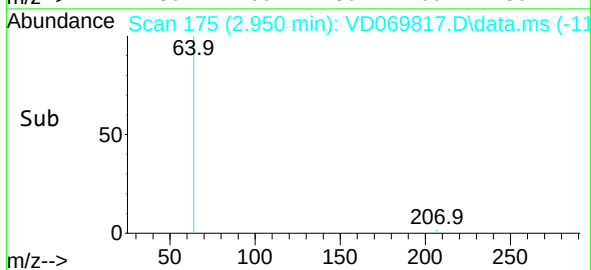
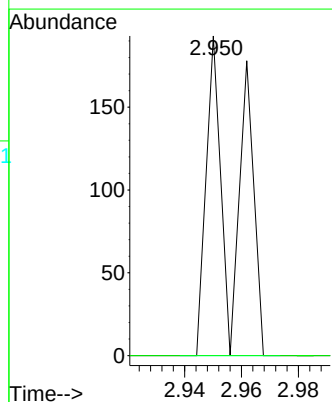
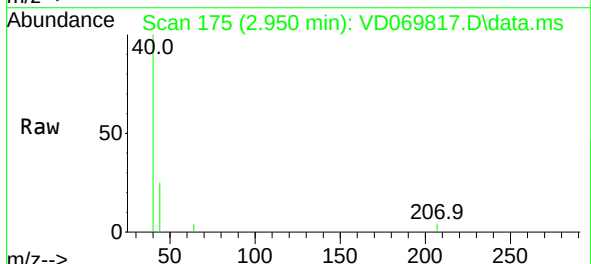
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ClientSampleId :
NJ-CLEAN-7

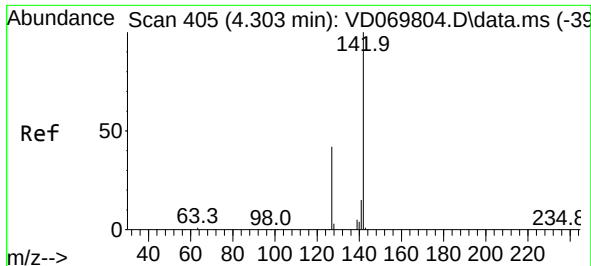
Tgt Ion: 94 Resp: 460
Ion Ratio Lower Upper
94 100
96 49.5 74.8 112.2#



#6
Chloroethane
Concen: 2.115 ug/l
RT: 2.950 min Scan# 175
Delta R.T. 0.029 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Tgt Ion: 64 Resp: 131
Ion Ratio Lower Upper
64 100
66 0.0 27.8 41.6#

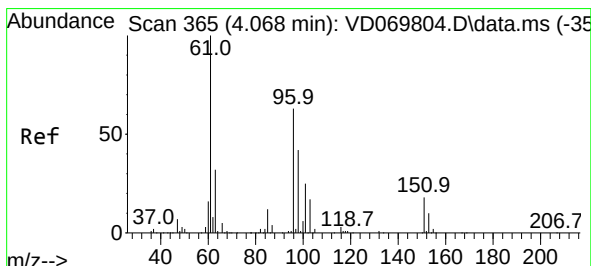
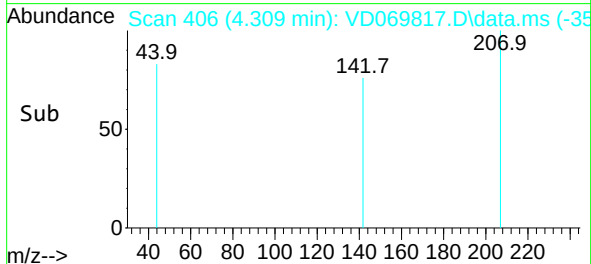
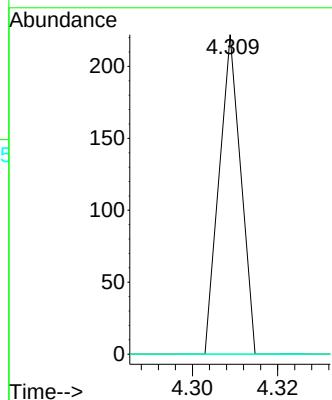
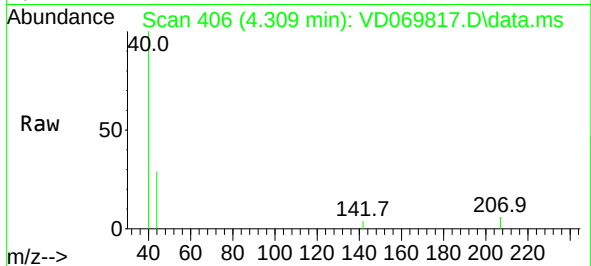




#10
Methyl Iodide
Concen: 4.444 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

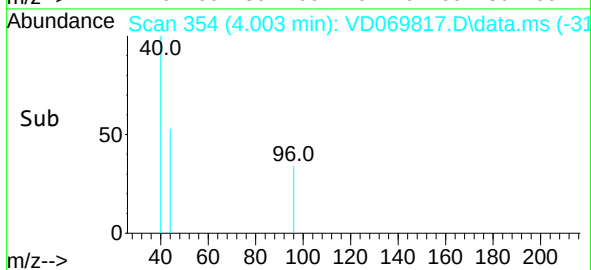
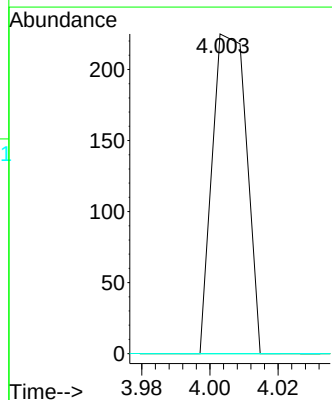
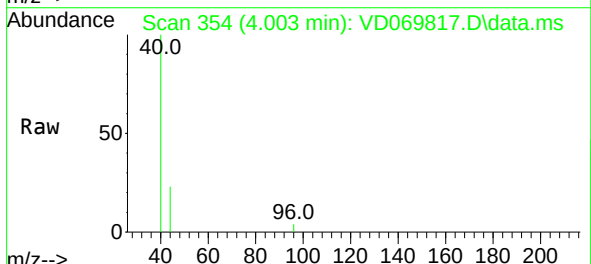
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NJ-CLEAN-7

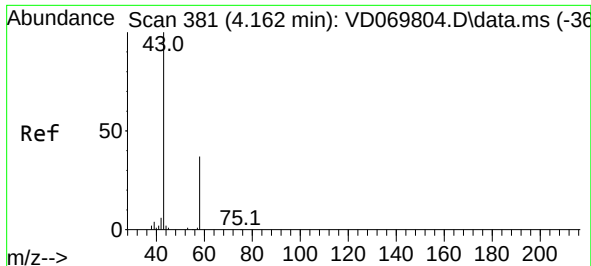
Tgt Ion:142 Resp: 78
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#



#12
1,1-Dichloroethene
Concen: 2.291 ug/l
RT: 4.003 min Scan# 354
Delta R.T. -0.065 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Tgt Ion: 96 Resp: 156
Ion Ratio Lower Upper
96 100
61 0.0 126.9 190.3#
98 0.0 53.2 79.8#

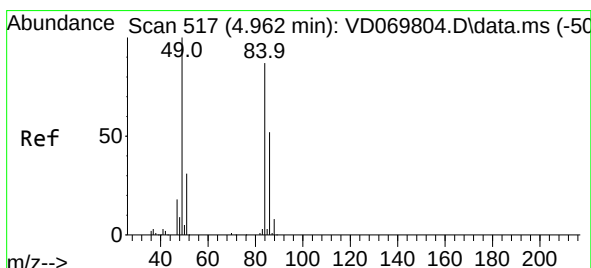
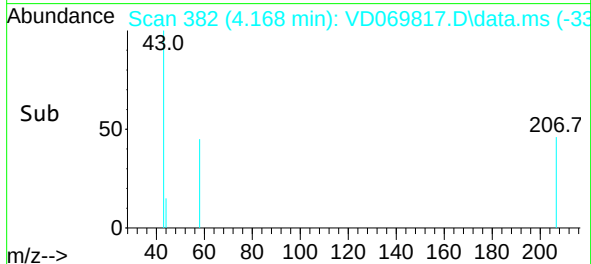
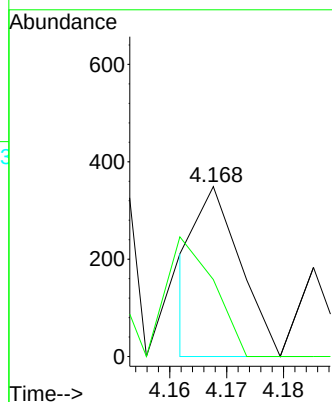
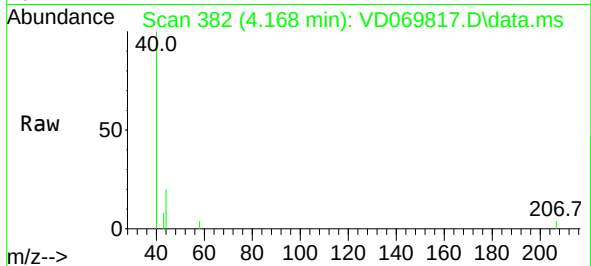




#16
Acetone
Concen: 14.478 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

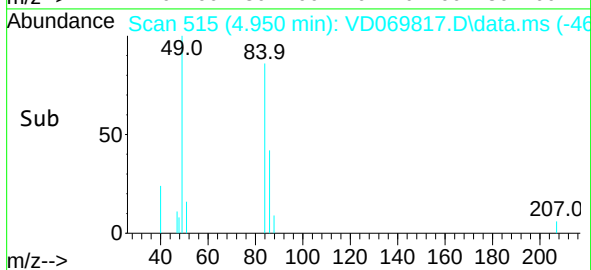
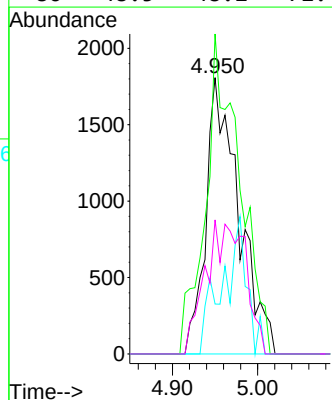
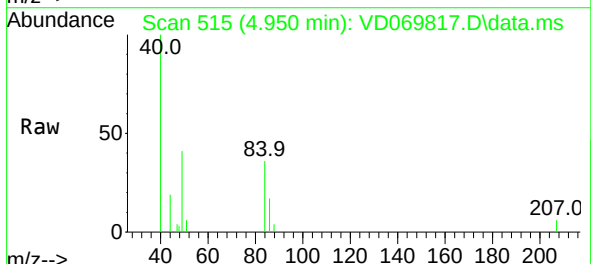
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-7

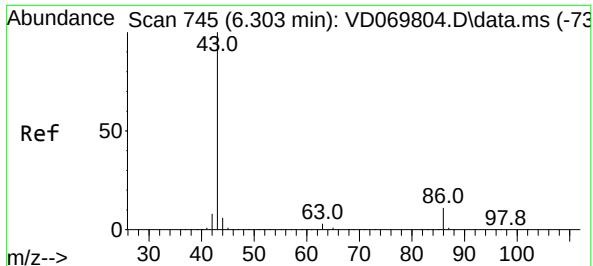
Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
58 45.3 29.4 44.0#



#20
Methylene Chloride
Concen: 54.634 ug/l
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Tgt Ion: 84 Resp: 4840
Ion Ratio Lower Upper
84 100
49 115.8 92.4 138.6
51 18.1 28.5 42.7#
86 48.5 48.2 72.4

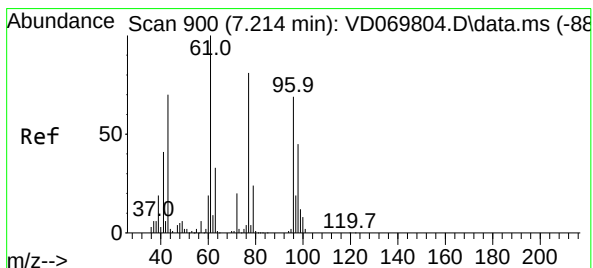
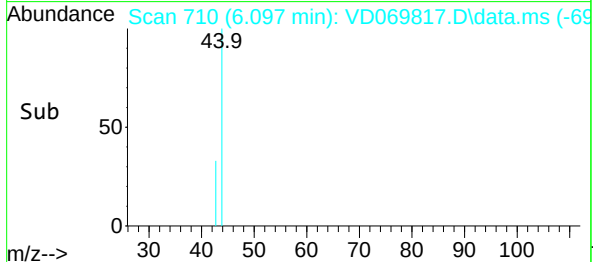
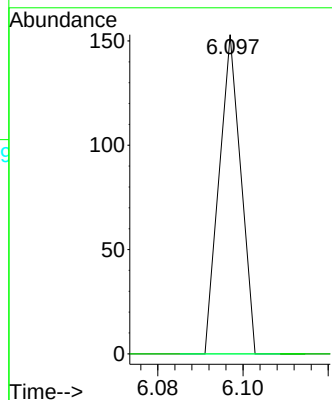
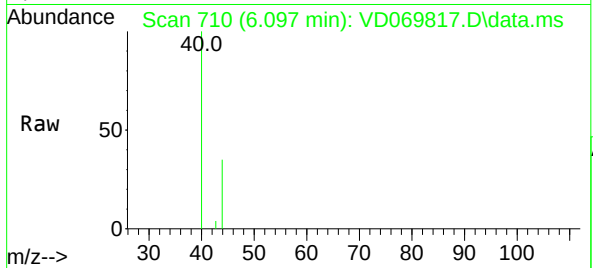




#23
 Vinyl Acetate
 Concen: 20.765 ug/l
 RT: 6.097 min Scan# 710
 Delta R.T. -0.206 min
 Lab File: VD069817.D
 Acq: 22 Jul 2021 19:36

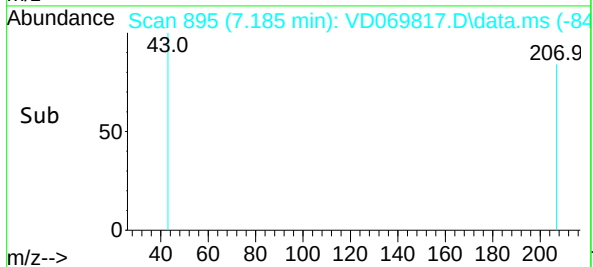
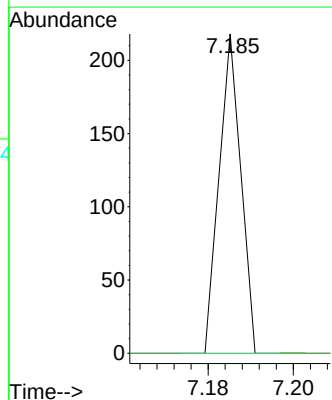
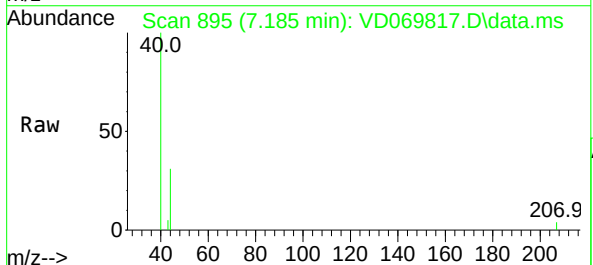
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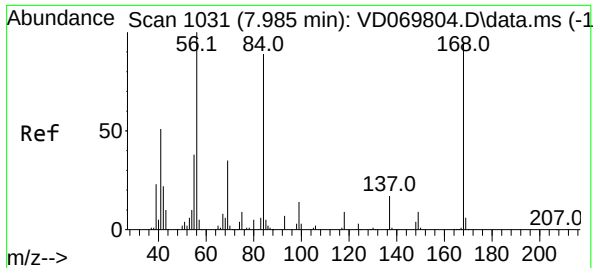
Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 4.592 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.029 min
 Lab File: VD069817.D
 Acq: 22 Jul 2021 19:36

Tgt Ion: 43 Resp: 77
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.8 34.2#

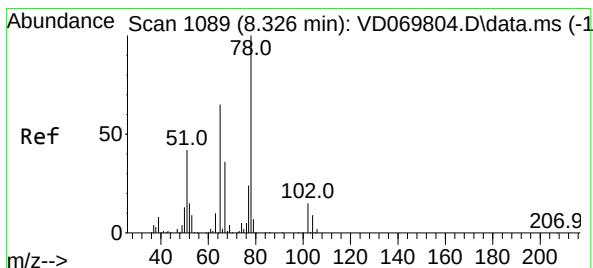
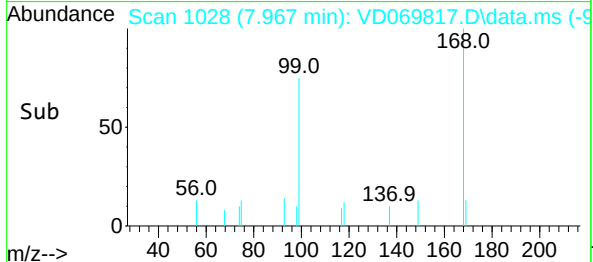
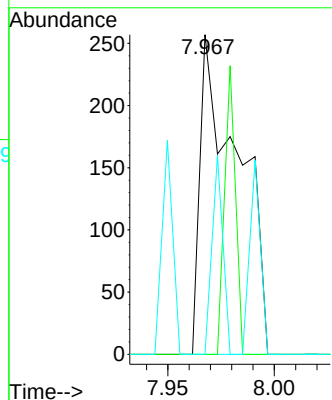
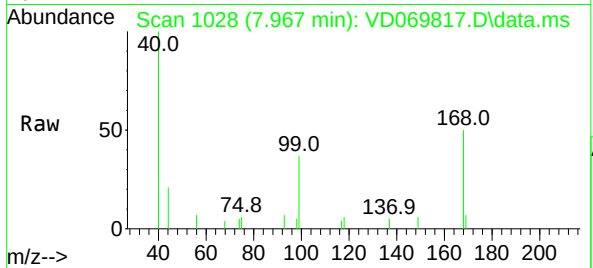




#31
Cyclohexane
Concen: 2.385 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

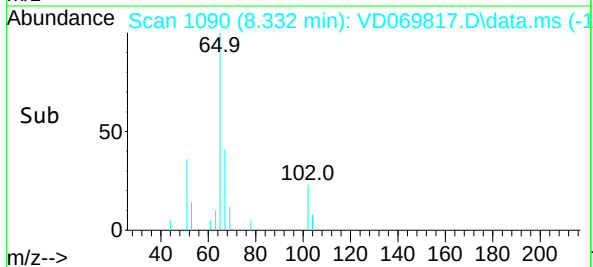
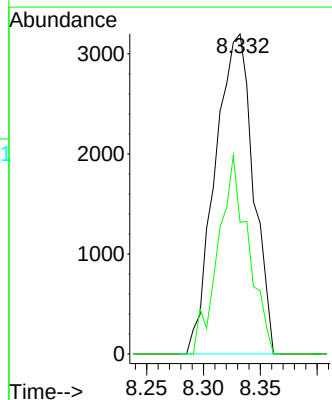
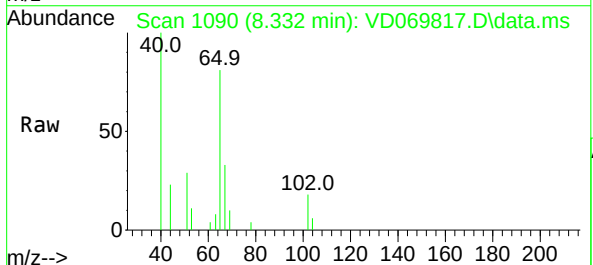
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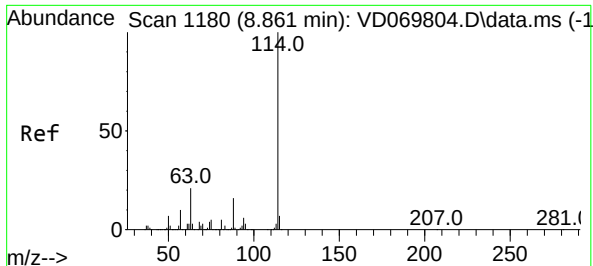
Tgt Ion: 56 Resp: 319
Ion Ratio Lower Upper
56 100
69 0.0 27.9 41.9#
84 0.0 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 109.158 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Tgt Ion: 65 Resp: 7471
Ion Ratio Lower Upper
65 100
67 49.0 0.0 111.2

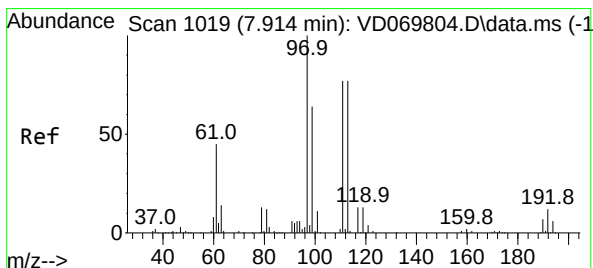
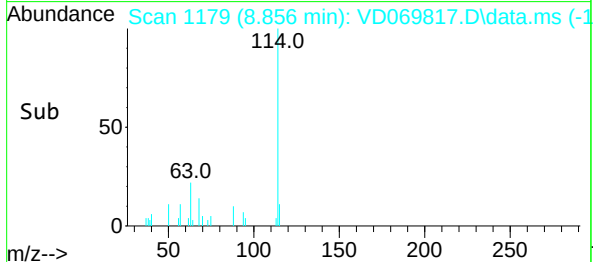
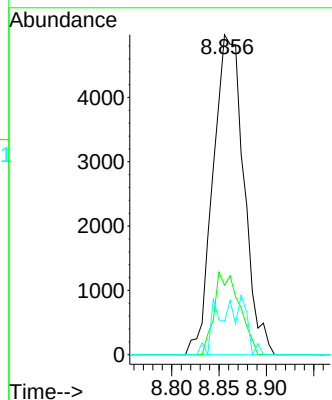
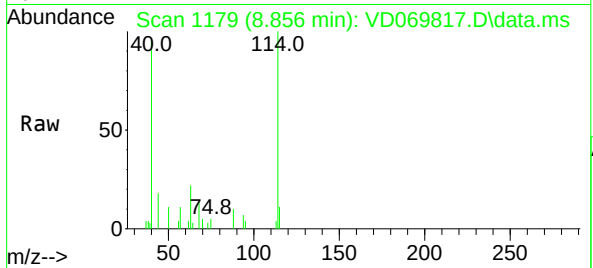




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1179
Delta R.T. -0.005 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

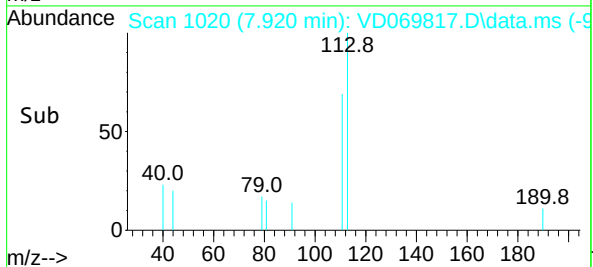
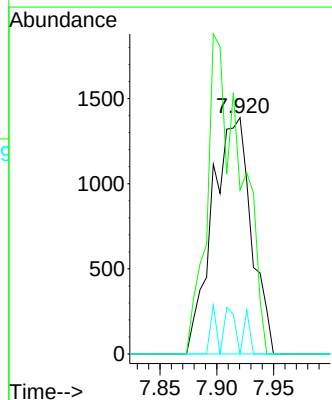
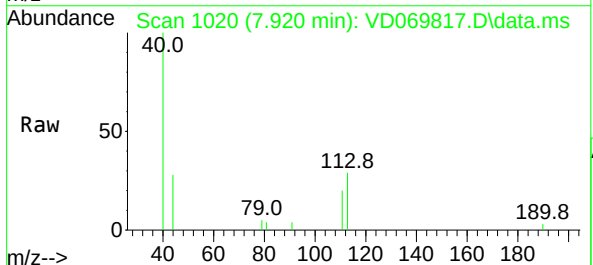
Instrument :
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ClientSampleId :
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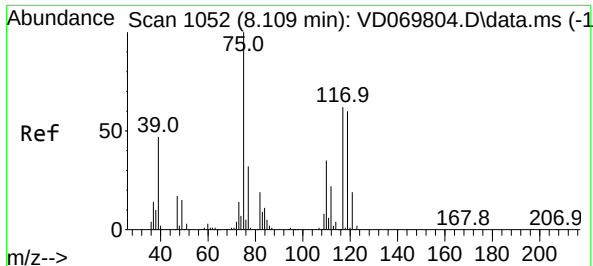
Tgt Ion:	114	Resp:	11190
Ion Ratio	Lower	Upper	
114	100		
63	21.7	0.0	41.6
88	10.4	0.0	31.4



#35
Dibromofluoromethane
Concen: 46.937 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Tgt Ion:	113	Resp:	3311
Ion Ratio	Lower	Upper	
113	100		
111	0.0	80.5	120.7#
192	8.2	12.6	19.0#

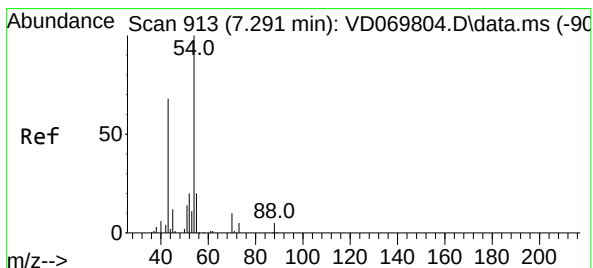
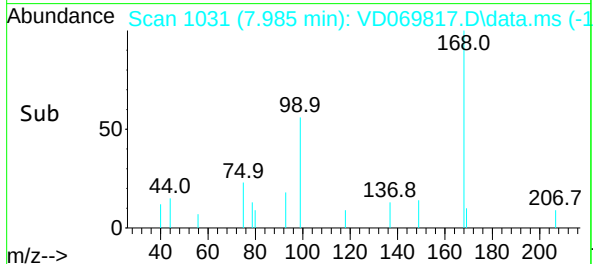
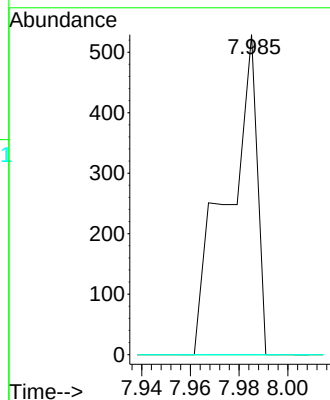
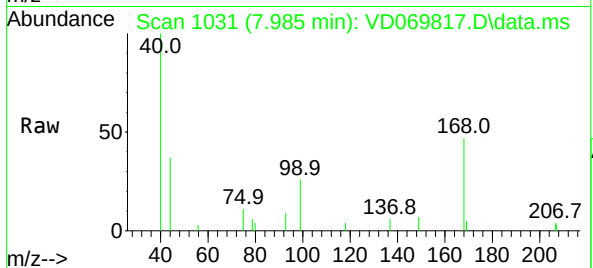




#36
1,1-Dichloropropene
Concen: 3.726 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.123 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

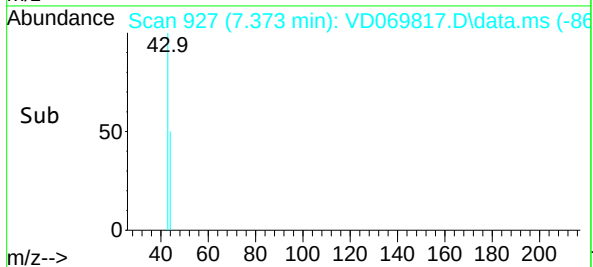
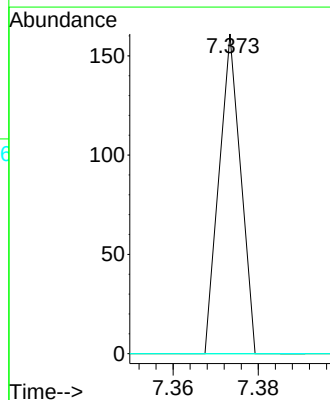
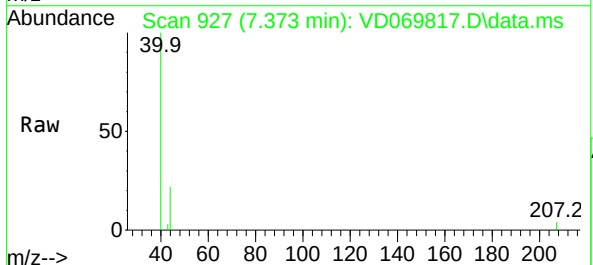
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-7

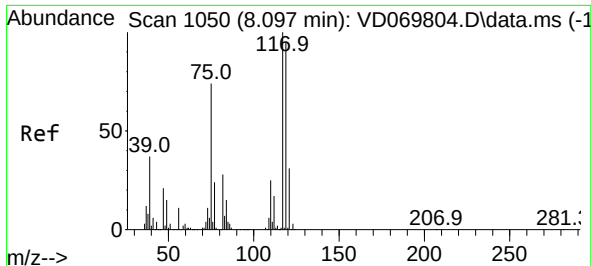
Tgt Ion: 75 Resp: 450
Ion Ratio Lower Upper
75 100
110 0.0 16.9 50.7#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 1.297 ug/l
RT: 7.373 min Scan# 927
Delta R.T. 0.082 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.0 8.9 13.3#

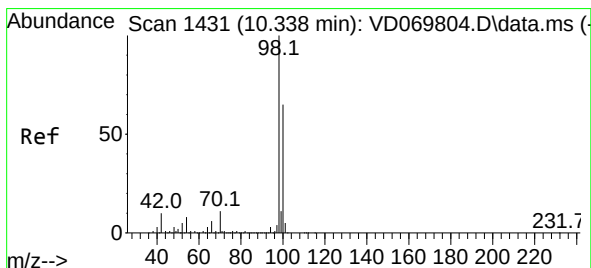
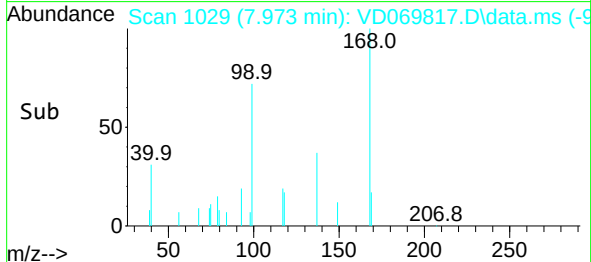
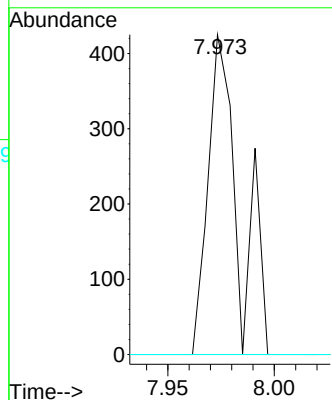
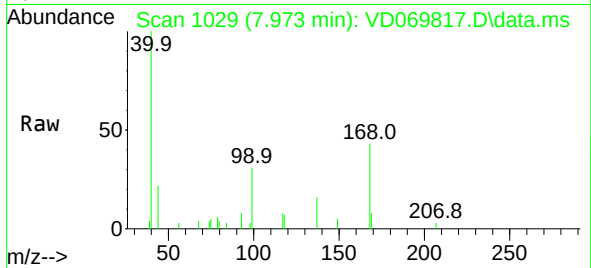




#38
Carbon Tetrachloride
Concen: 3.835 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

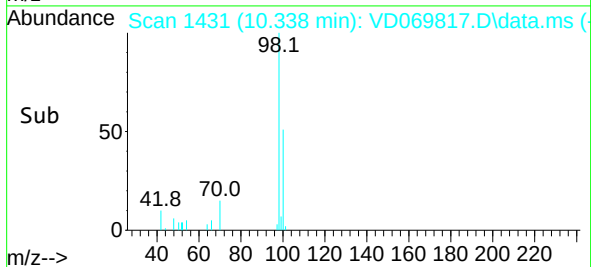
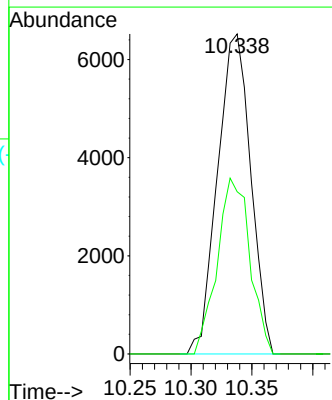
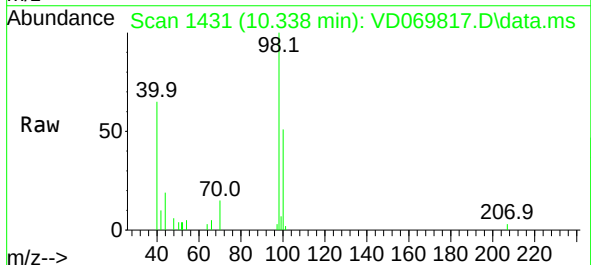
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-7

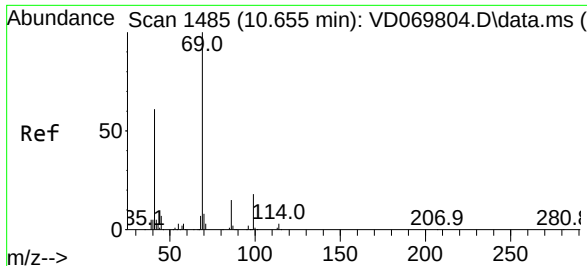
Tgt Ion:117 Resp: 423
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 45.393 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Tgt Ion: 98 Resp: 12347
Ion Ratio Lower Upper
98 100
100 54.1 51.9 77.9

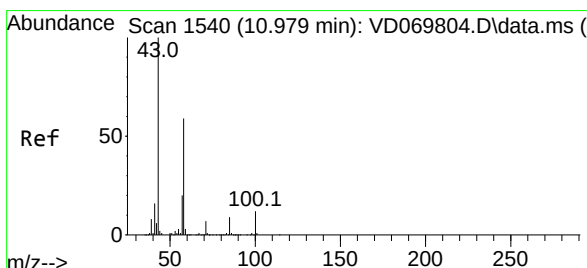
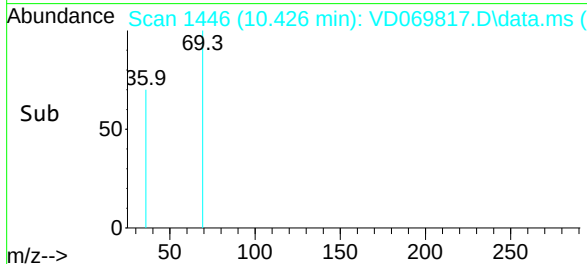
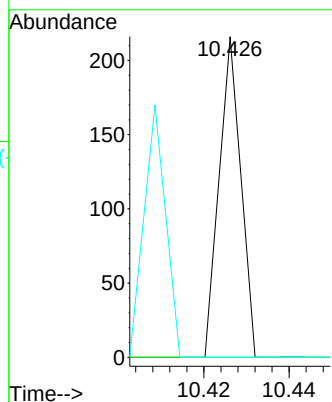
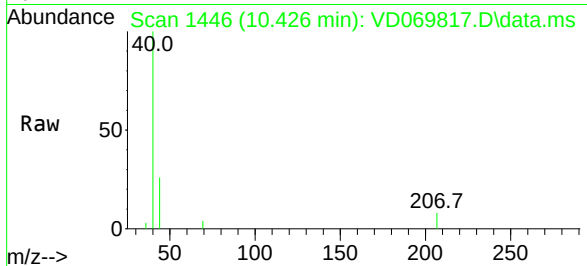




#56
Ethyl methacrylate
Concen: 4.784 ug/l
RT: 10.426 min Scan# 1446
Delta R.T. -0.229 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

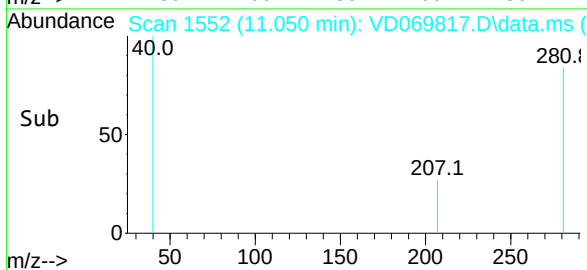
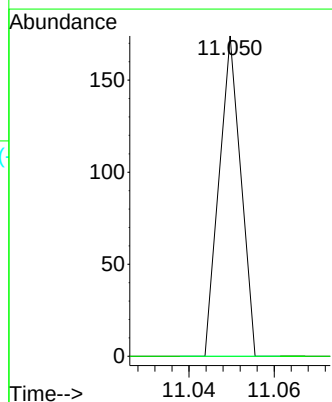
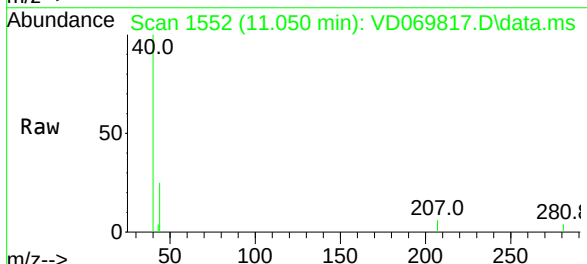
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-7

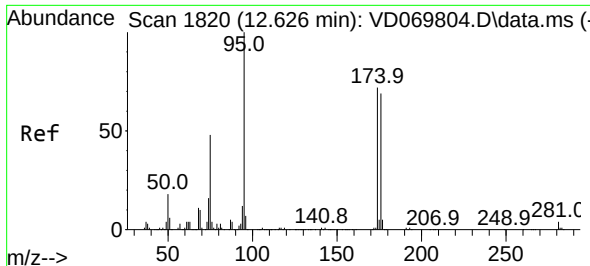
Tgt Ion: 69 Resp: 76
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 78.9 22.0 33.0#



#59
2-Hexanone
Concen: 2.248 ug/l
RT: 11.050 min Scan# 1552
Delta R.T. 0.071 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#

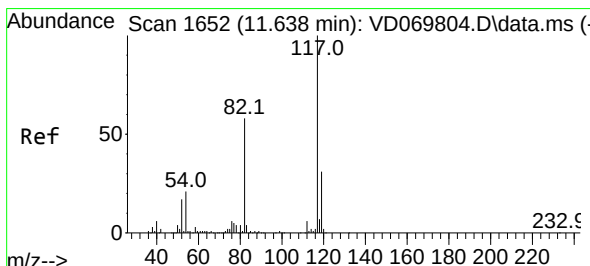
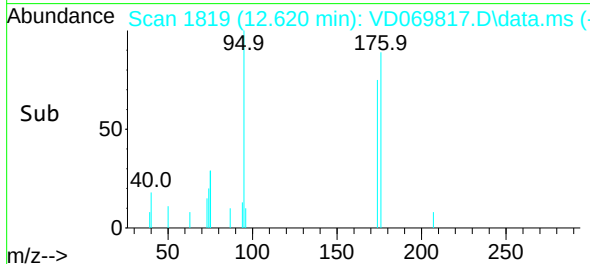
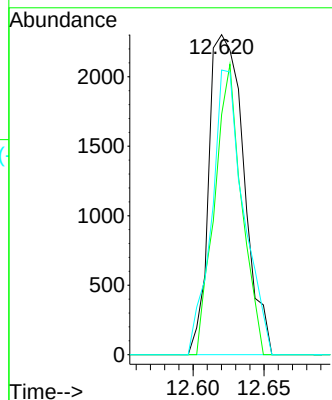
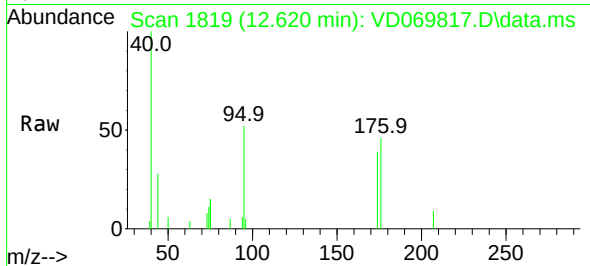




#62
4-Bromofluorobenzene
Concen: 43.397 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

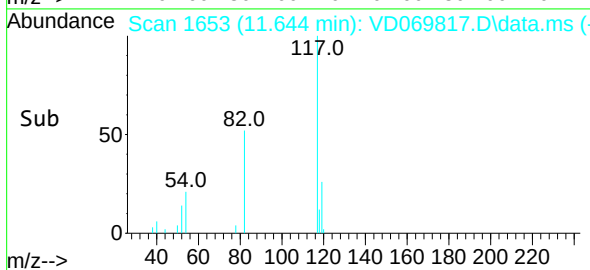
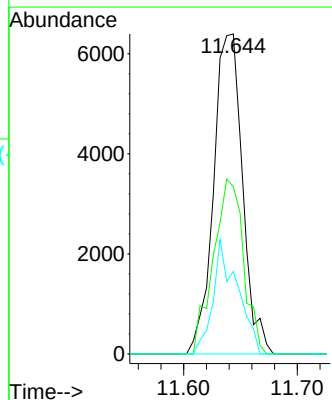
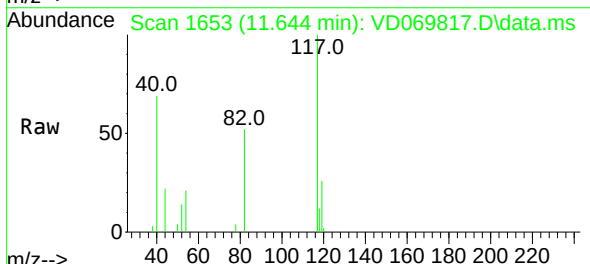
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-7

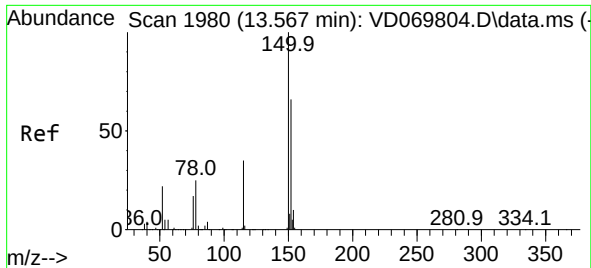
Tgt Ion:	95	Resp:	3945
Ion Ratio	Lower	Upper	
95	100		
174	69.7	0.0	142.6
176	81.3	0.0	134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Tgt Ion:	117	Resp:	11342
Ion Ratio	Lower	Upper	
117	100		
82	52.3	46.3	69.5
119	25.8	24.7	37.1

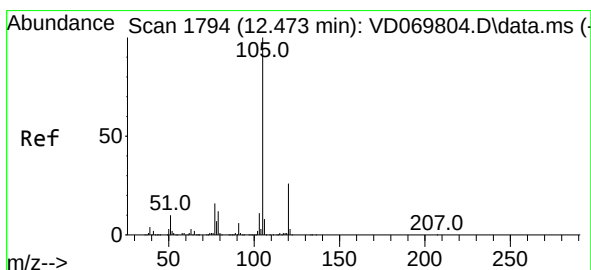
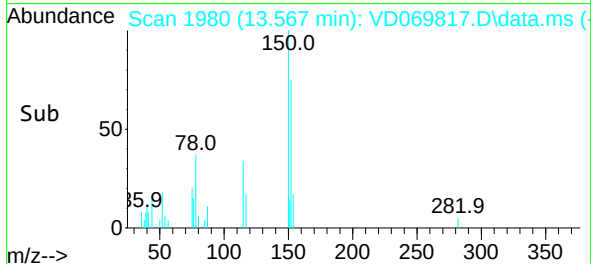
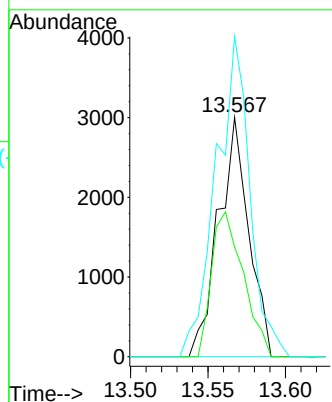
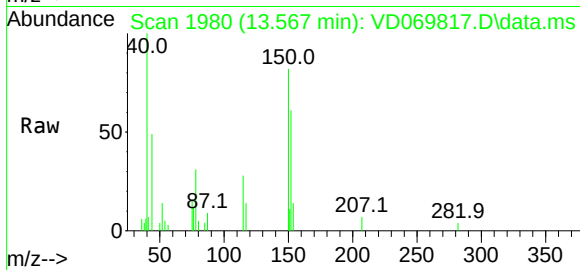




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

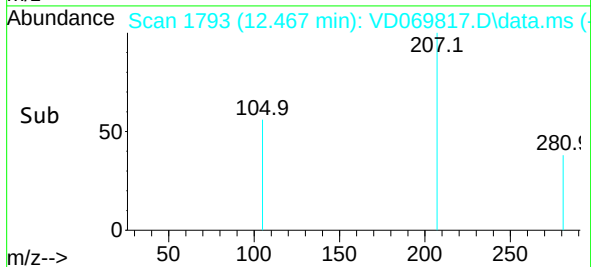
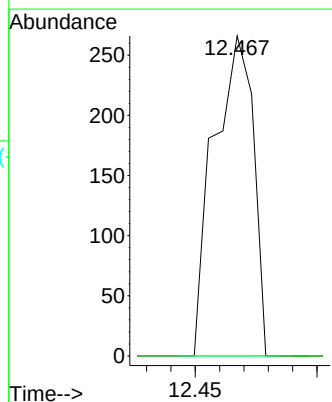
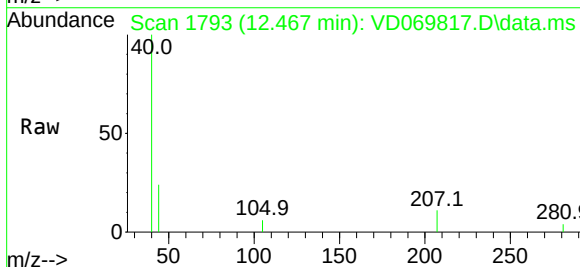
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-7

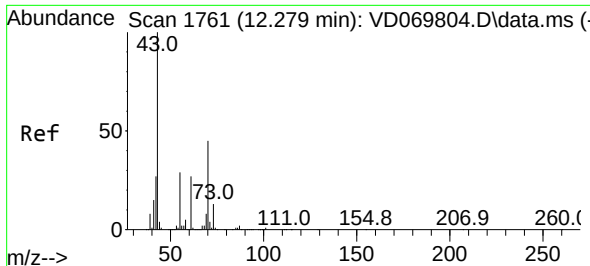
Tgt Ion:152 Resp: 4080
Ion Ratio Lower Upper
152 100
115 63.4 31.1 93.3
150 149.5 0.0 343.0



#73
Isopropylbenzene
Concen: 1.027 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

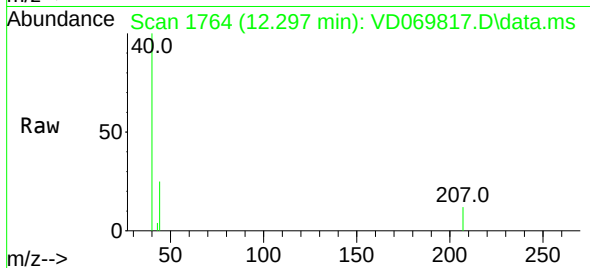
Tgt Ion:105 Resp: 301
Ion Ratio Lower Upper
105 100
120 0.0 13.0 38.9#



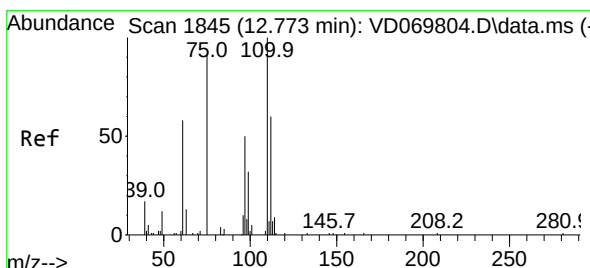
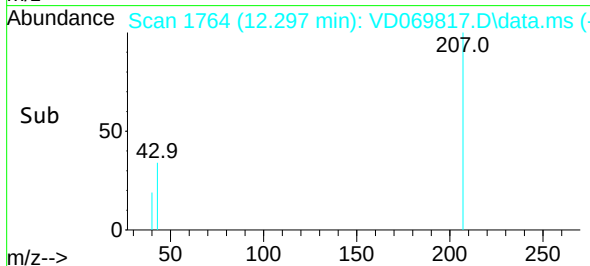
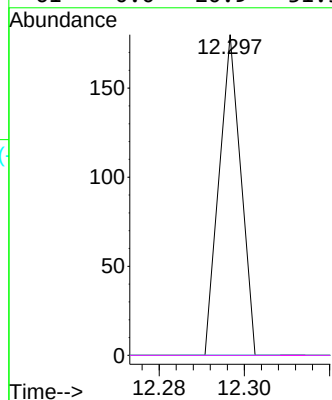


#74
N-amy1 acetate
Concen: 1.061 ug/l
RT: 12.297 min Scan# 1764
Delta R.T. 0.018 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-7

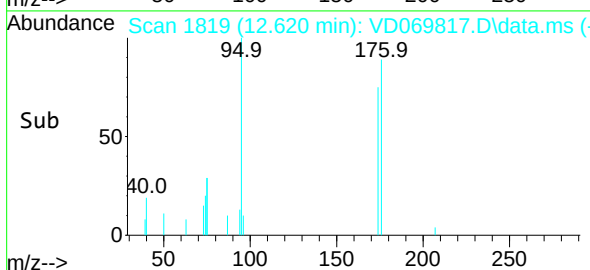
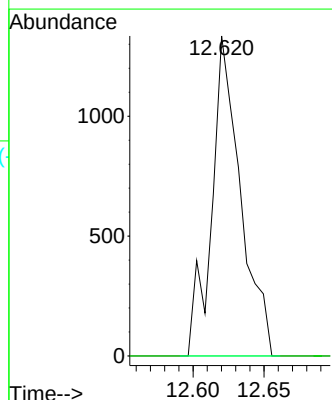
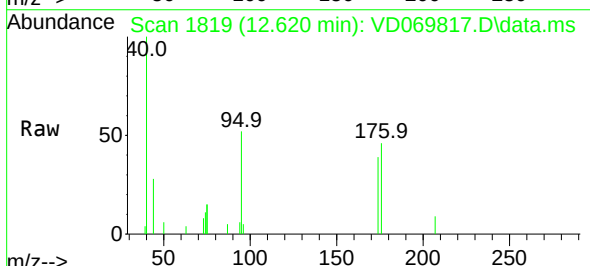


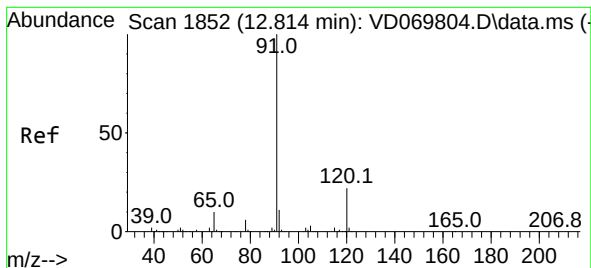
Tgt Ion: 43	Resp: 64
Ion Ratio	Lower Upper
43 100	
70 0.0	37.9 56.9#
55 0.0	23.7 35.5#
61 0.0	20.9 31.3#



#76
1,2,3-Trichloropropane
Concen: 43.743 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Tgt Ion: 75	Resp: 1897
Ion Ratio	Lower Upper
75 100	
77 0.0	181.5 544.5#

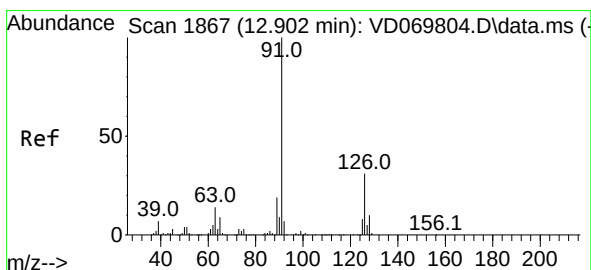
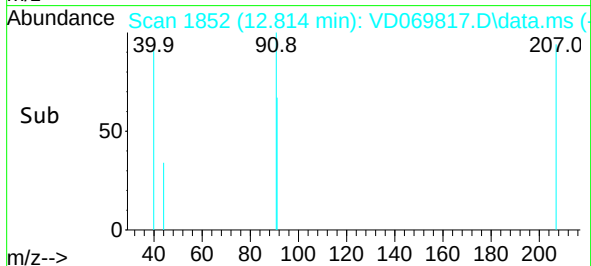
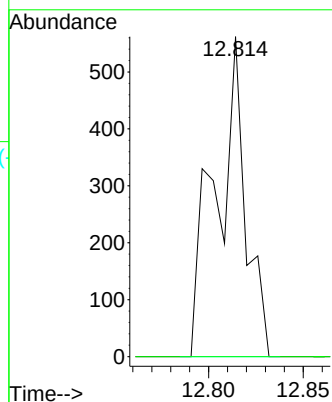
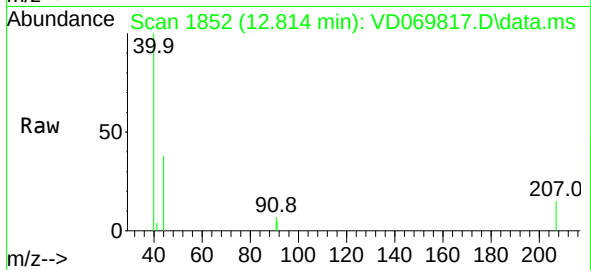




#78
n-propylbenzene
Concen: 1.628 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

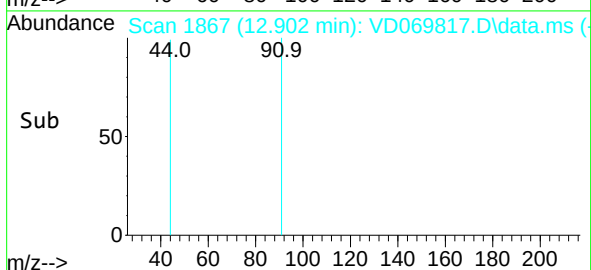
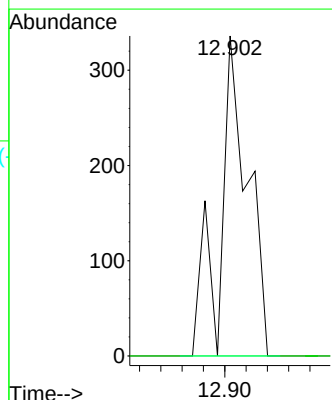
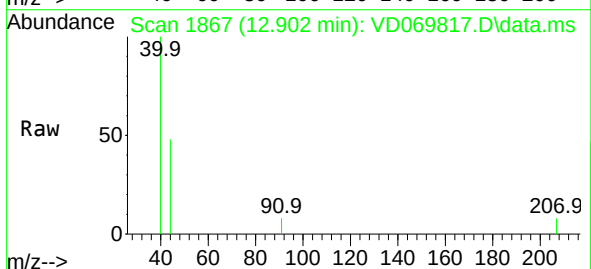
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-7

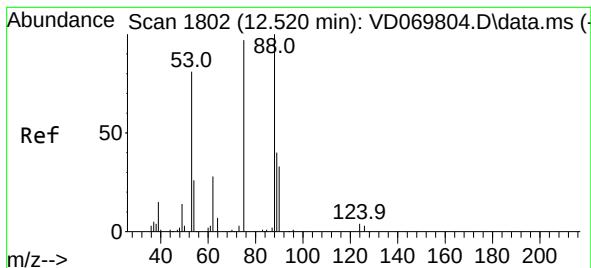
Tgt Ion: 91 Resp: 613
Ion Ratio Lower Upper
91 100
120 0.0 10.9 32.7#



#79
2-Chlorotoluene
Concen: 1.399 ug/l
RT: 12.902 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Tgt Ion: 91 Resp: 306
Ion Ratio Lower Upper
91 100
126 0.0 15.9 47.7#

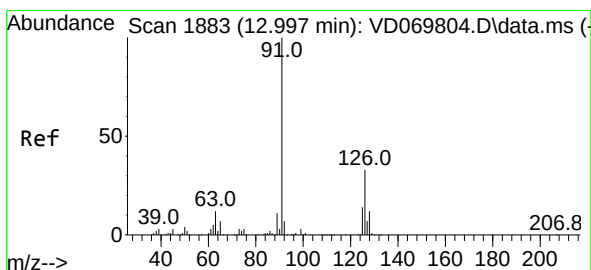
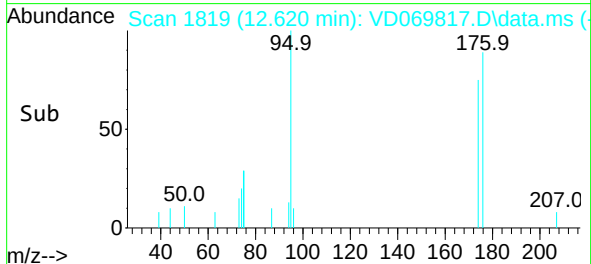
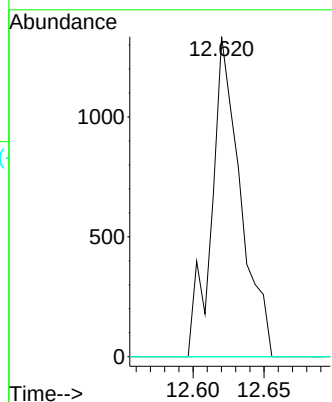
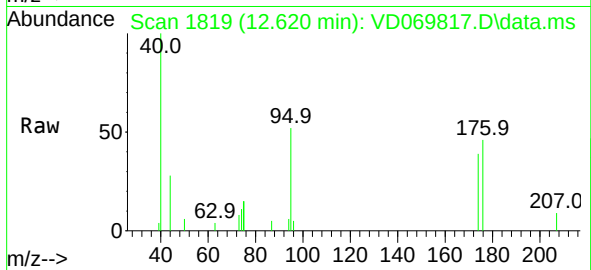




#81
trans-1,4-Dichloro-2-butene
Concen: 132.703 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

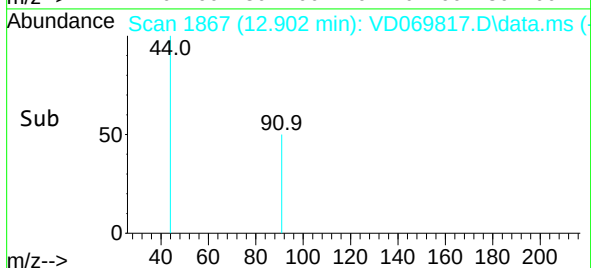
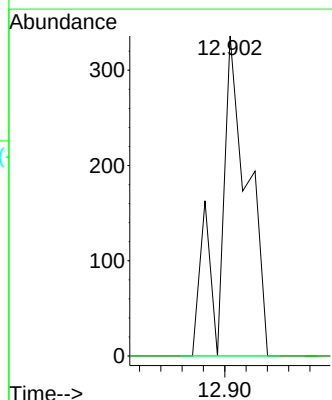
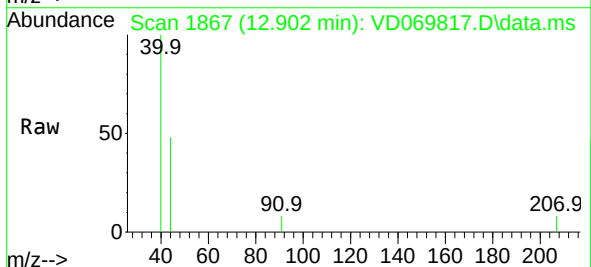
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-7

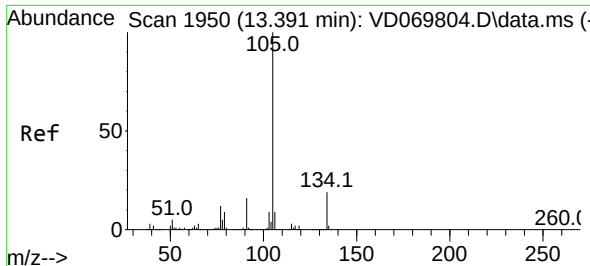
Tgt Ion: 75 Resp: 1897
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#



#82
4-Chlorotoluene
Concen: 1.338 ug/l
RT: 12.902 min Scan# 1867
Delta R.T. -0.094 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Tgt Ion: 91 Resp: 306
Ion Ratio Lower Upper
91 100
126 0.0 15.9 47.6#

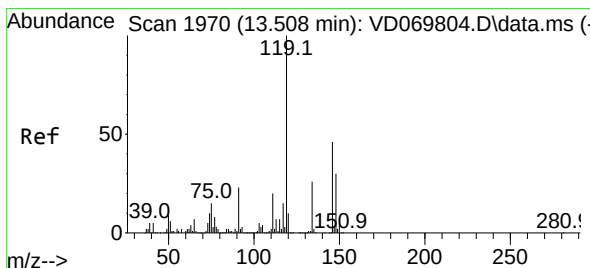
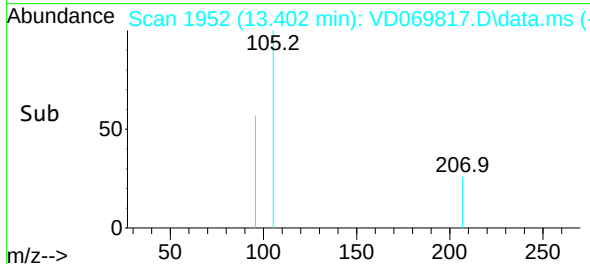
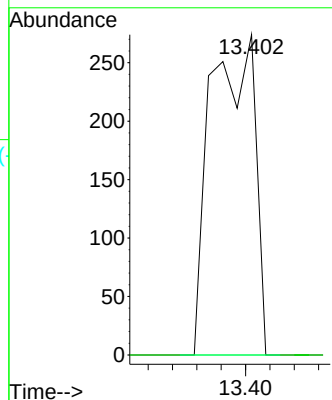
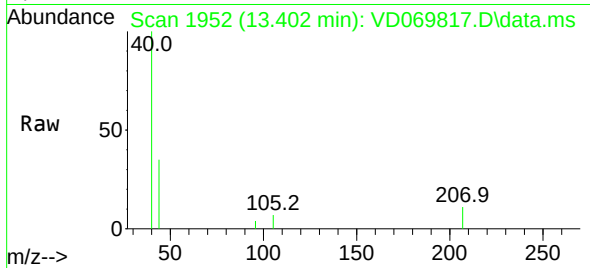




#85
 sec-Butylbenzene
 Concen: 1.067 ug/l
 RT: 13.402 min Scan# 1952
 Delta R.T. 0.012 min
 Lab File: VD069817.D
 Acq: 22 Jul 2021 19:36

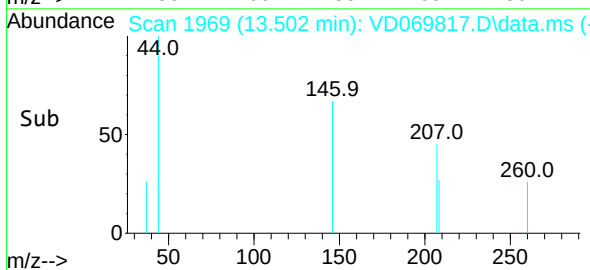
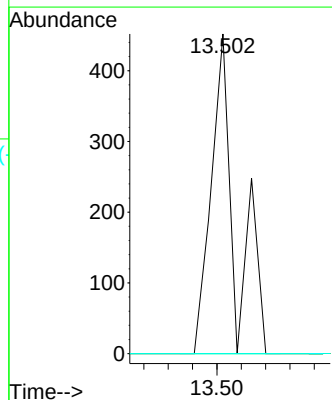
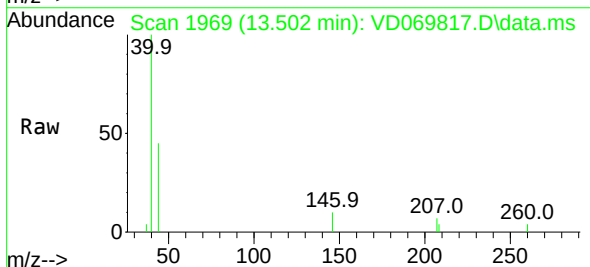
Instrument :
 MSVOA_D
 ClientSampleId :
 NJ-CLEAN-7

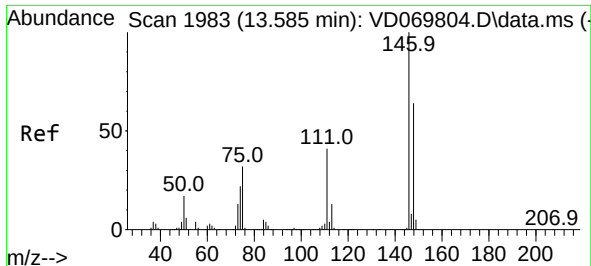
Tgt Ion:105 Resp: 344
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#



#87
 1,3-Dichlorobenzene
 Concen: 2.265 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.006 min
 Lab File: VD069817.D
 Acq: 22 Jul 2021 19:36

Tgt Ion:146 Resp: 314
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.7 65.1#
 148 0.0 32.1 96.3#

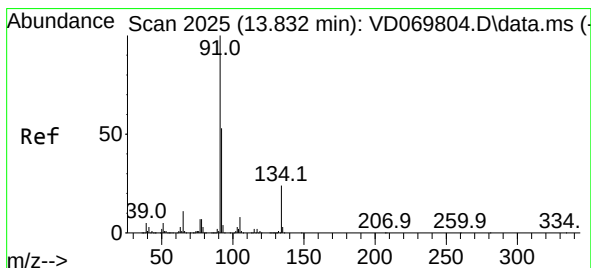
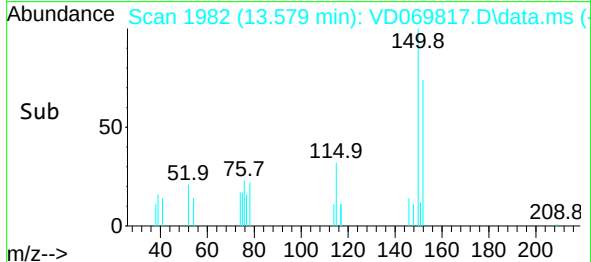
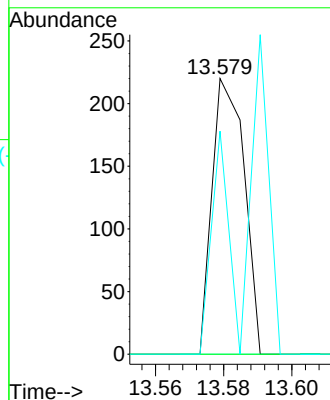
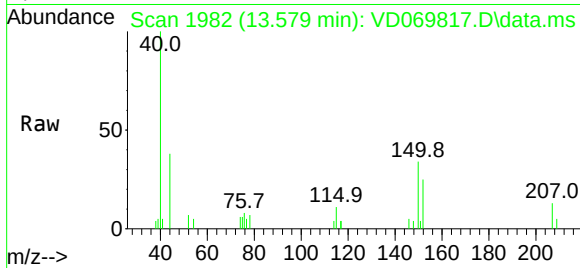




#88
1,4-Dichlorobenzene
Concen: 1.042 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

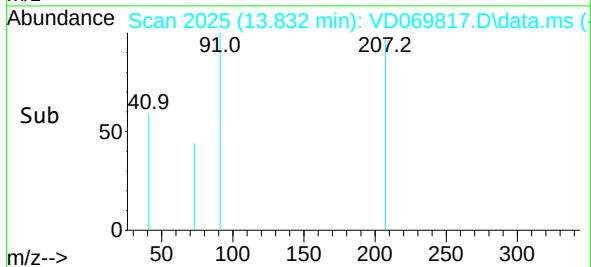
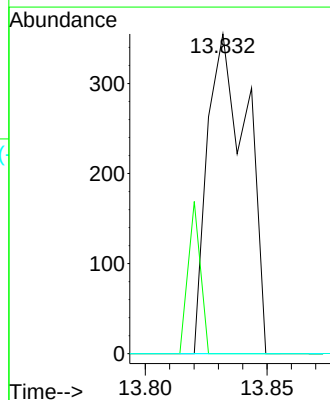
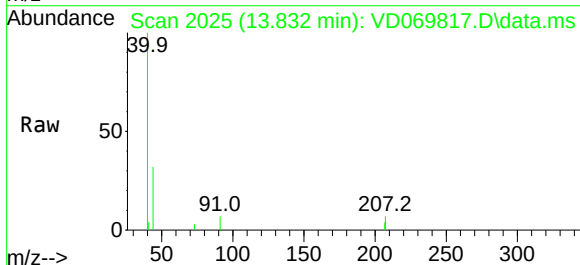
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-7

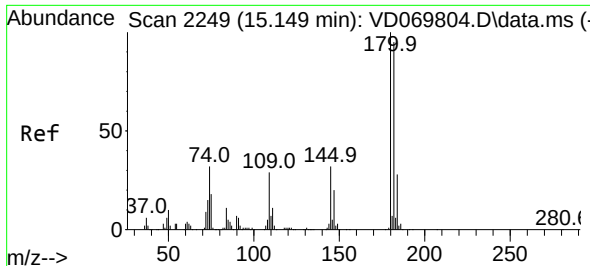
Tgt Ion:146 Resp: 144
Ion Ratio Lower Upper
146 100
111 0.0 20.8 62.4#
148 43.8 31.6 95.0



#89
n-Butylbenzene
Concen: 1.548 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. 0.000 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Tgt Ion: 91 Resp: 400
Ion Ratio Lower Upper
91 100
92 15.0 26.6 79.7#
134 0.0 11.9 35.7#

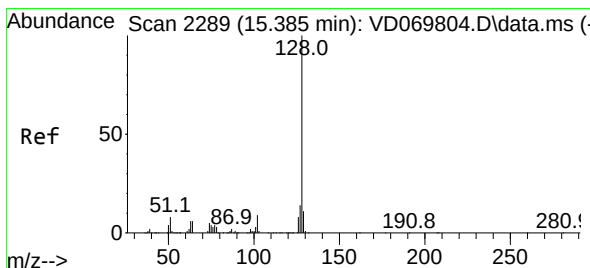
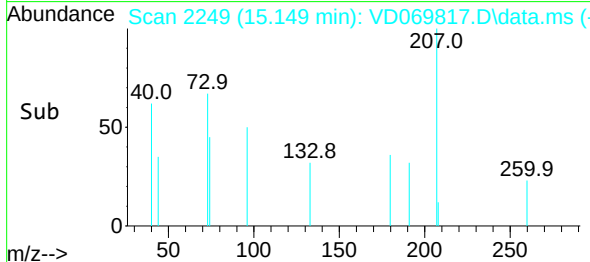
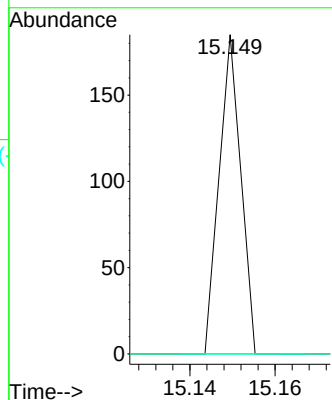
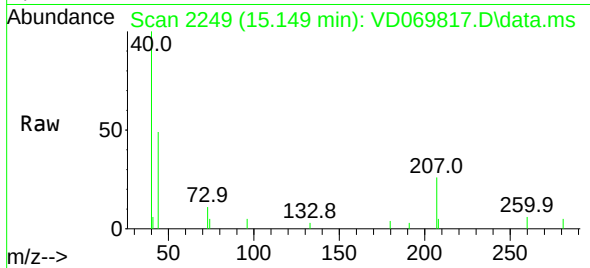




#93
1,2,4-Trichlorobenzene
Concen: 1.007 ug/l
RT: 15.149 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-7

Tgt Ion:180 Resp: 65
Ion Ratio Lower Upper
180 100
182 0.0 47.6 142.9#
145 0.0 16.4 49.2#



#95
Naphthalene
Concen: 7.590 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD069817.D
Acq: 22 Jul 2021 19:36

Tgt Ion:128 Resp: 384
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

