

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072321\
 Data File : VD069830.D
 Acq On : 23 Jul 2021 15:50
 Operator : VA/SY
 Sample : M3117-02
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NJ-CLEAN-2

Quant Time: Jul 24 01:35:02 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)

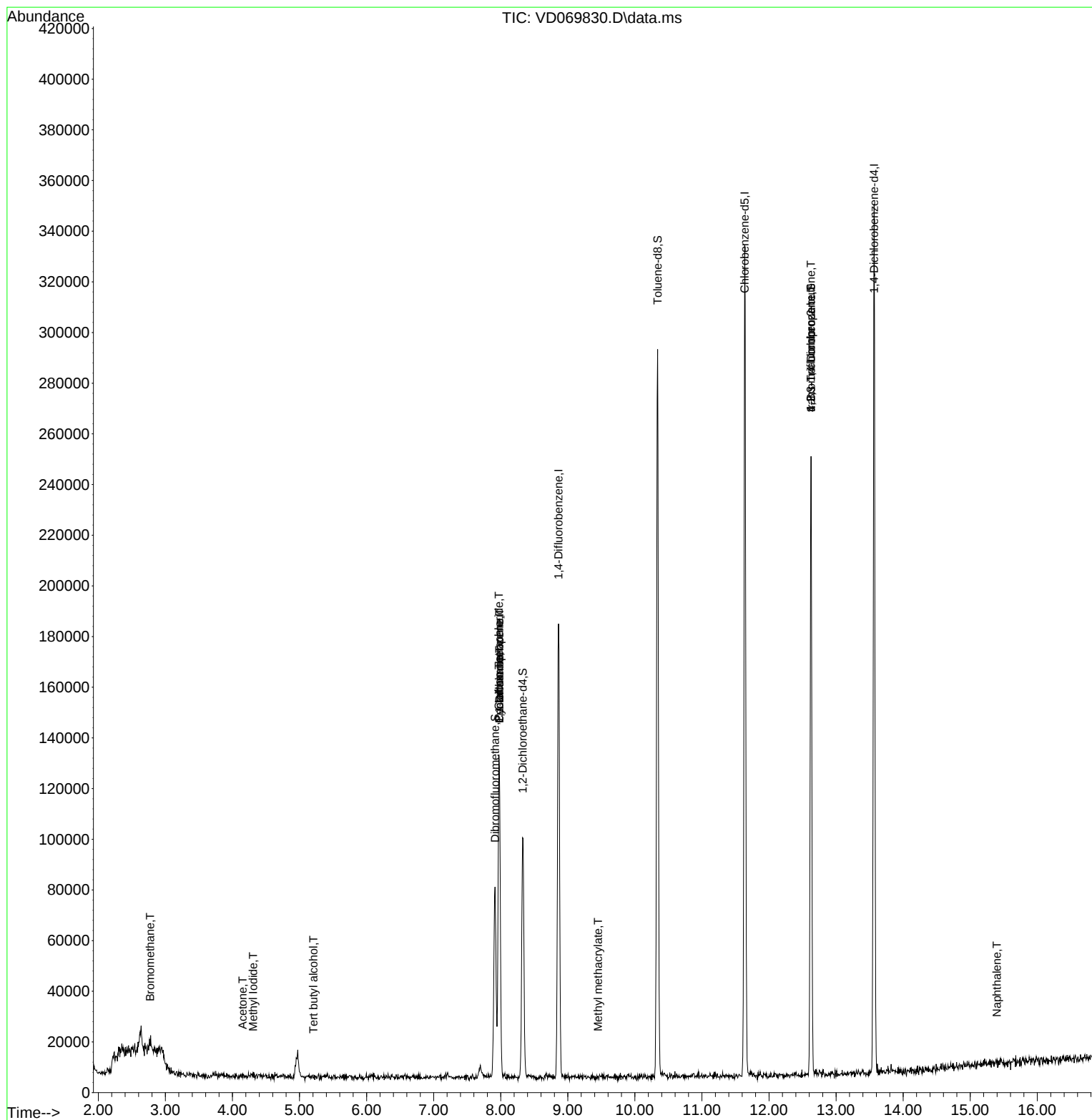
Internal Standards						
1) Pentafluorobenzene	7.979	168	91678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	153550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	190754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	92730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	76916	72.949	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 145.900%			
35) Dibromofluoromethane	7.914	113	55670	57.512	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.020%			
50) Toluene-d8	10.338	98	203774	54.595	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.180%			
62) 4-Bromofluorobenzene	12.626	95	84003	67.342	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 134.680%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	3387	2.066	ug/l #	64
10) Methyl Iodide	4.309	142	1662	4.820	ug/l #	68
11) Tert butyl alcohol	5.209	59	129	2.364	ug/l #	73
16) Acetone	4.150	43	990	5.198	ug/l #	38
20) Methylene Chloride	4.956	84	4144	Below Cal		89
31) Cyclohexane	7.979	56	2337	1.134	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	8922	5.384	ug/l #	46
38) Carbon Tetrachloride	7.973	117	9066	5.990	ug/l #	16
48) Methyl methacrylate	9.450	41	163	3.014	ug/l #	13
76) 1,2,3-Trichloropropane	12.626	75	41224	41.824	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	41224	126.883	ug/l #	16
95) Naphthalene	15.396	128	237	5.069	ug/l #	69

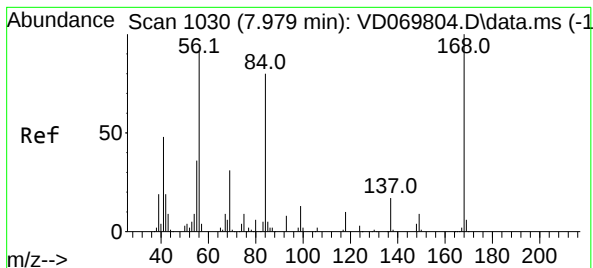
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD069830.D

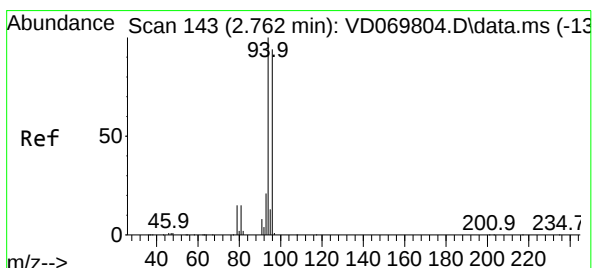
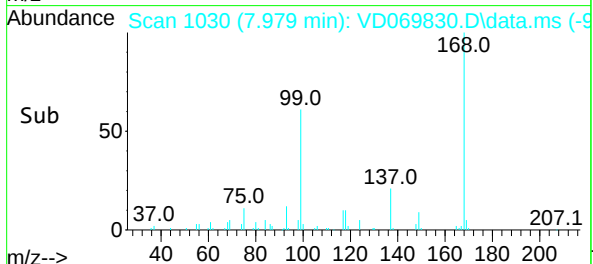
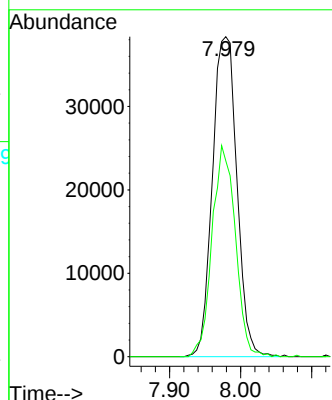
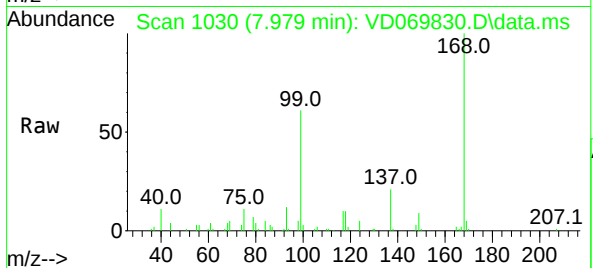
Acq: 23 Jul 2021 15:50

Tgt Ion:168 Resp: 91678

Ion Ratio Lower Upper

168 100

99 61.2 51.1 76.7



#5

Bromomethane

Concen: 2.066 ug/l

RT: 2.774 min Scan# 145

Delta R.T. 0.012 min

Lab File: VD069830.D

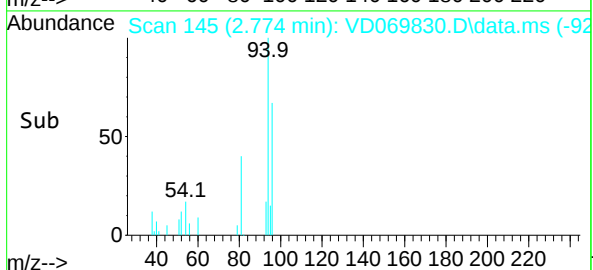
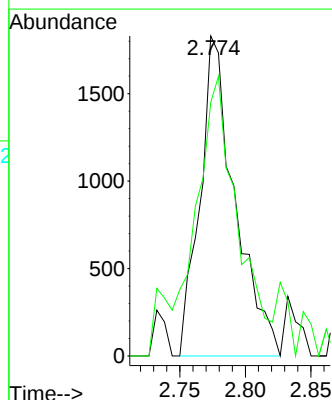
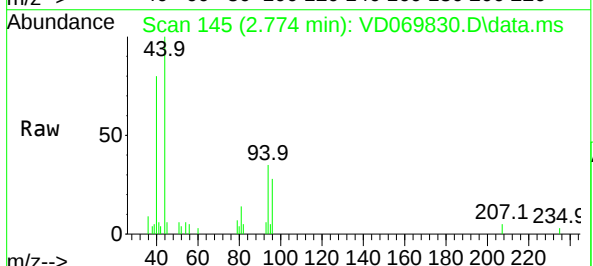
Acq: 23 Jul 2021 15:50

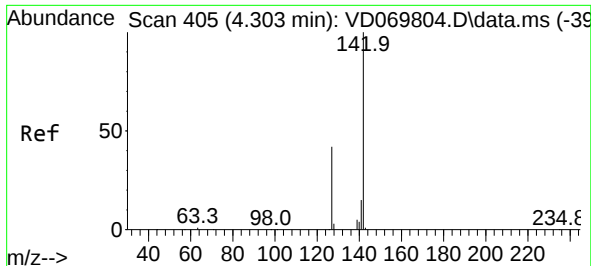
Tgt Ion: 94 Resp: 3387

Ion Ratio Lower Upper

94 100

96 58.4 74.8 112.2#

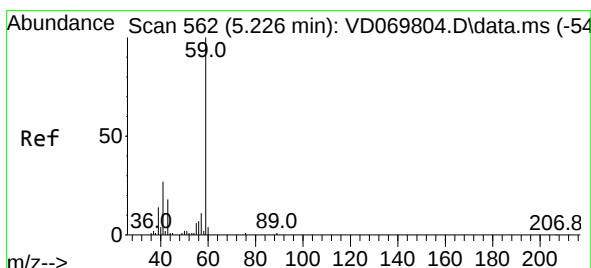
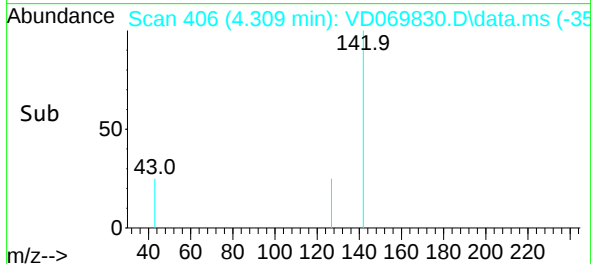
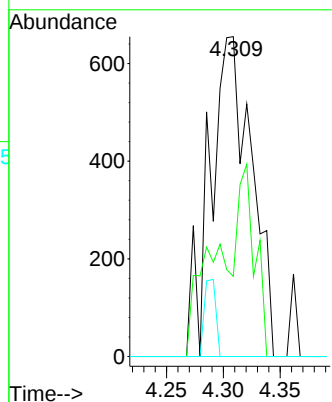
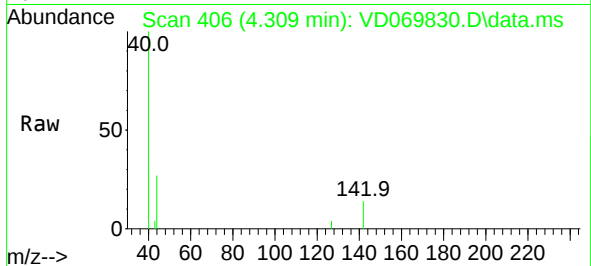




#10
Methyl Iodide
Concen: 4.820 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50

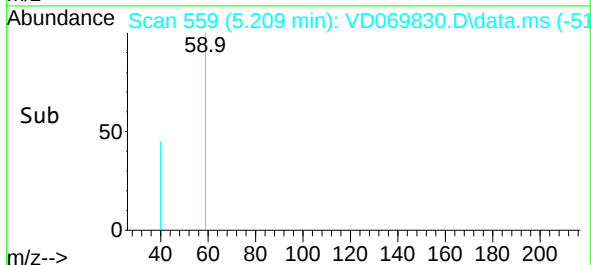
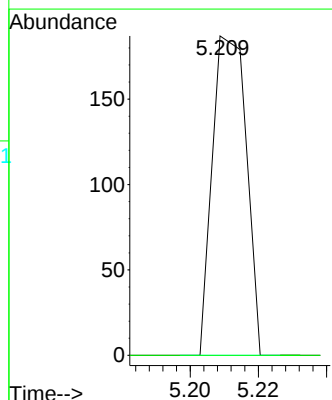
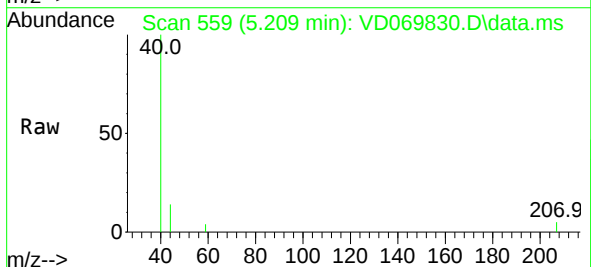
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-2

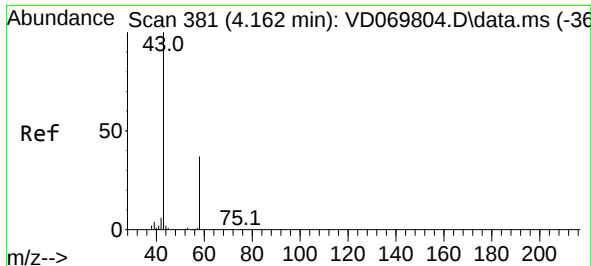
Tgt Ion:142 Resp: 1662
Ion Ratio Lower Upper
142 100
127 24.4 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 2.364 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50

Tgt Ion: 59 Resp: 129
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

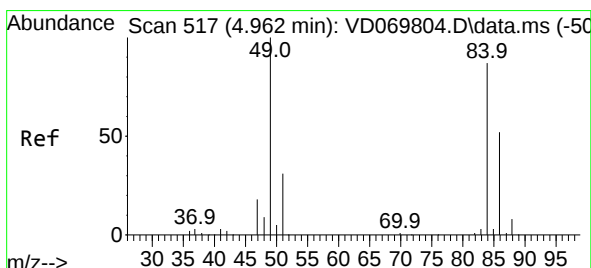
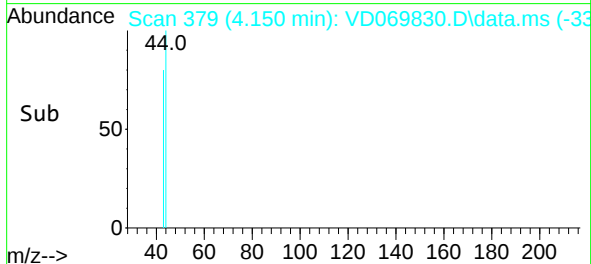
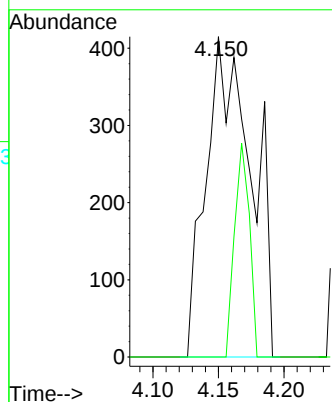
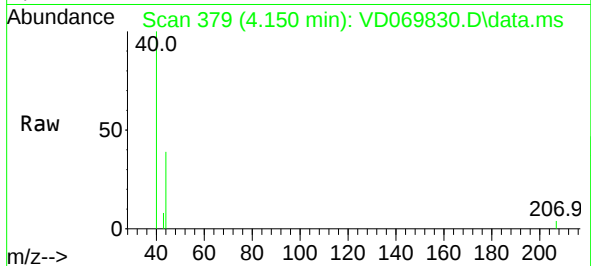




#16
Acetone
Concen: 5.198 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50

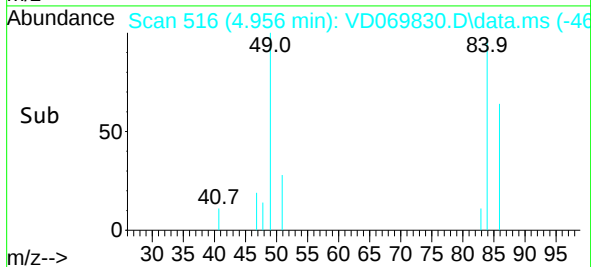
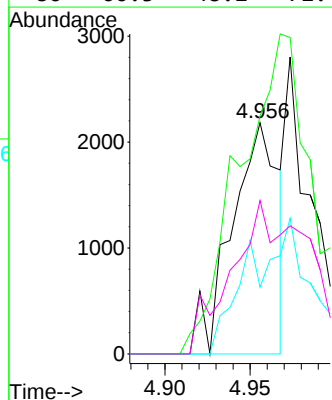
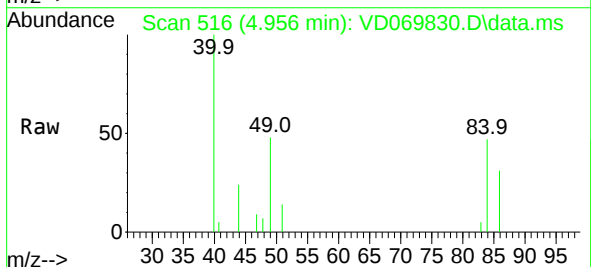
Instrument :
MSVOA_D
ClientSampled :
NJ-CLEAN-2

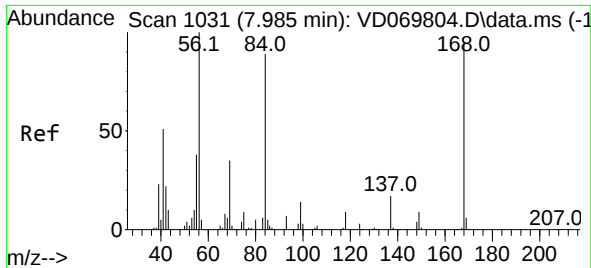
Tgt Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50

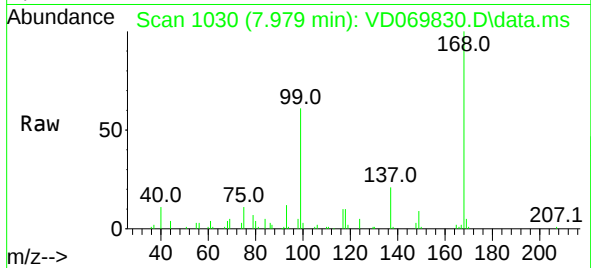
Tgt Ion: 84 Resp: 4144
Ion Ratio Lower Upper
84 100
49 102.9 92.4 138.6
51 28.9 28.5 42.7
86 66.3 48.2 72.4



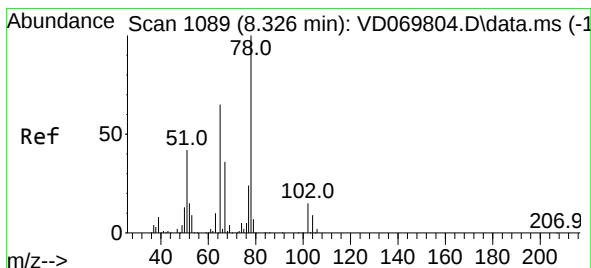
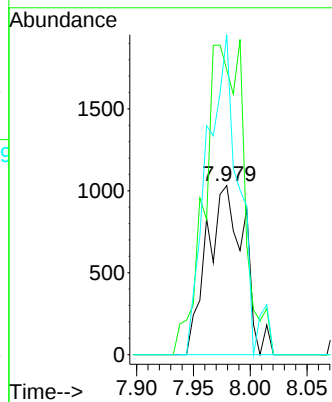
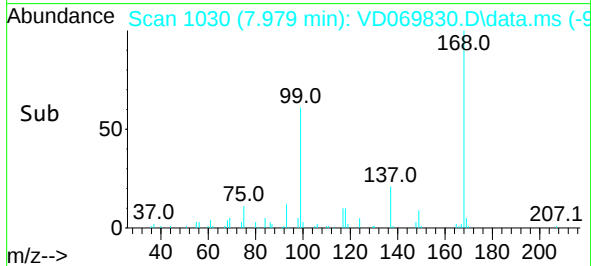


#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50

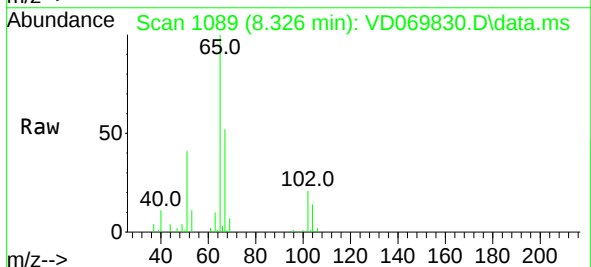
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-2



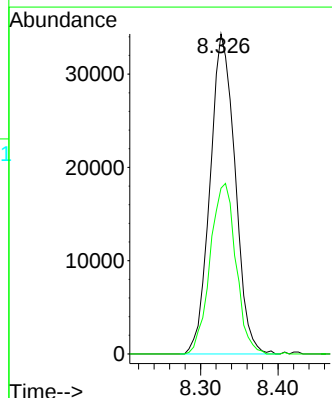
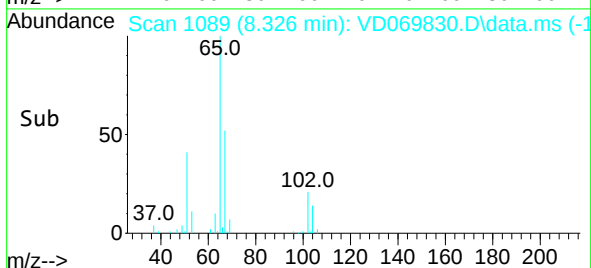
Tgt Ion	Ratio	Lower	Upper
56	100		
69	168.5	27.9	41.9#
84	189.2	71.4	107.2#

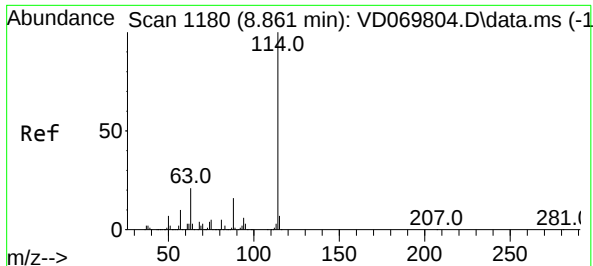


#33
1,2-Dichloroethane-d4
Concen: 72.949 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50



Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	111.2

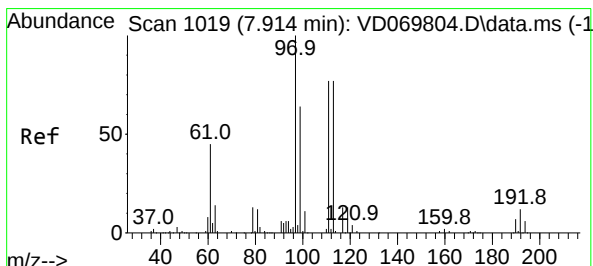
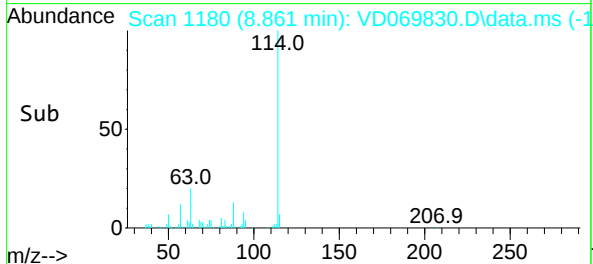
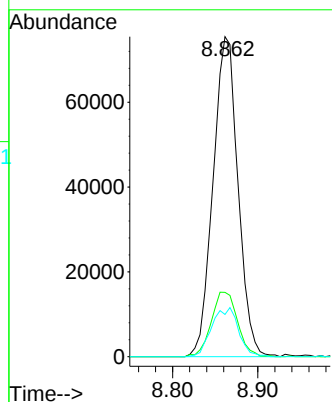
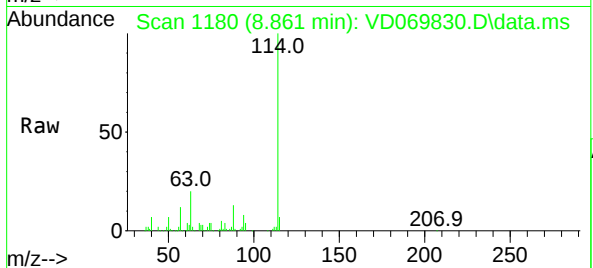




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50

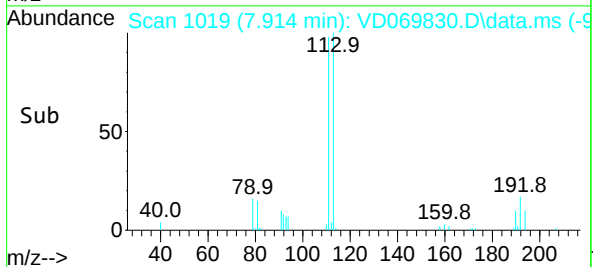
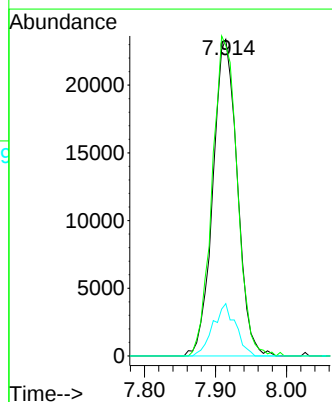
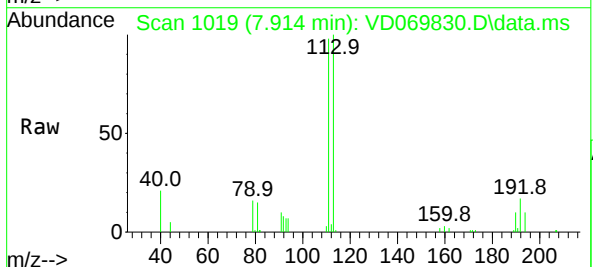
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-2

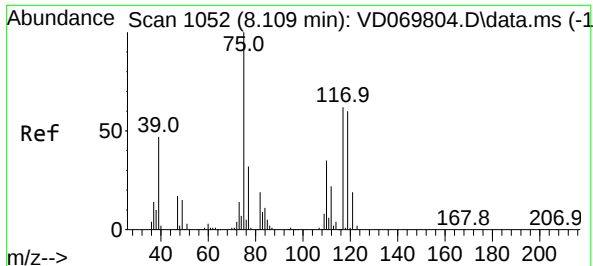
Tgt Ion:	114	Resp:	153550
Ion Ratio	Lower	Upper	
114	100		
63	20.1	0.0	41.6
88	13.2	0.0	31.4



#35
Dibromofluoromethane
Concen: 57.512 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50

Tgt Ion:	113	Resp:	55670
Ion Ratio	Lower	Upper	
113	100		
111	103.4	80.5	120.7
192	15.5	12.6	19.0

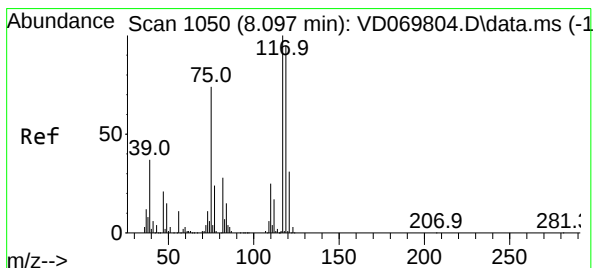
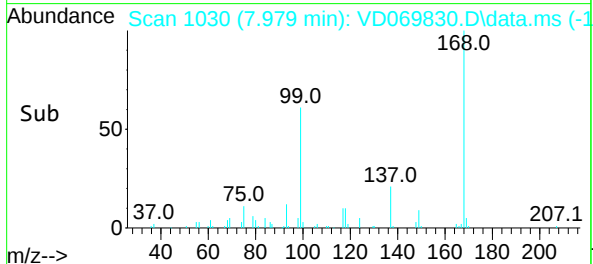
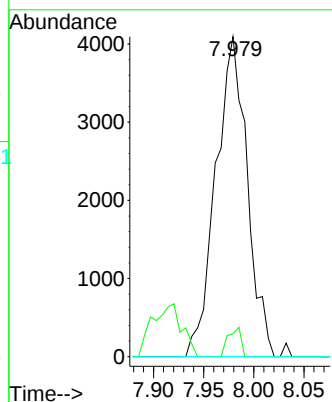
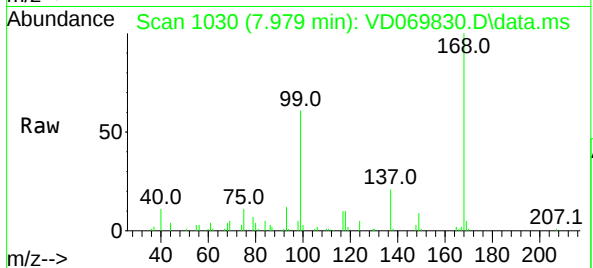




#36
1,1-Dichloropropene
Concen: 5.384 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50

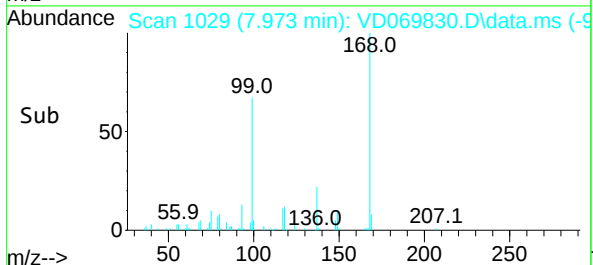
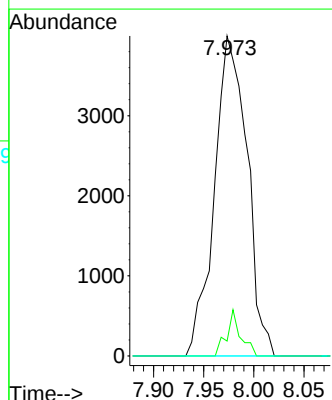
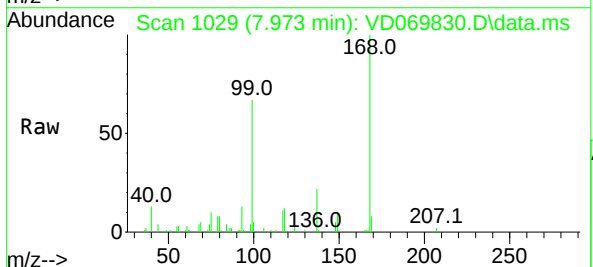
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-2

Tgt Ion:	75	Resp:	8922
Ion	Ratio	Lower	Upper
75	100		
110	3.7	16.9	50.7#
77	0.0	24.9	37.3#



#38
Carbon Tetrachloride
Concen: 5.990 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50

Tgt Ion:	117	Resp:	9066
Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.2	114.2#
121	0.0	24.5	36.7#

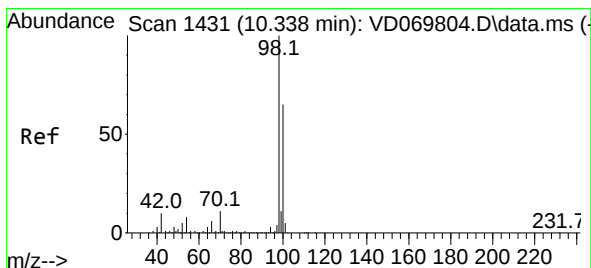
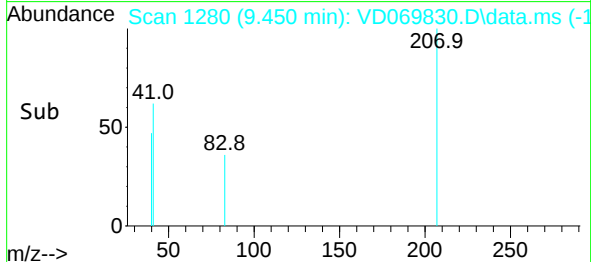
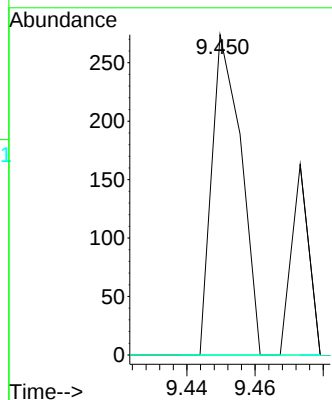
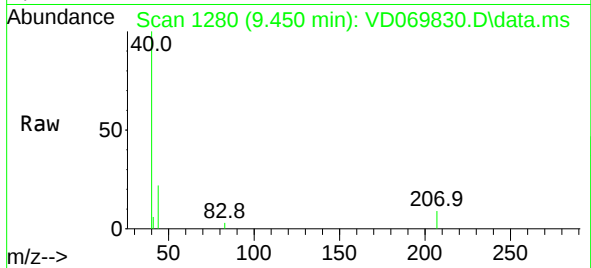




#48
Methyl methacrylate
Concen: 3.014 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50

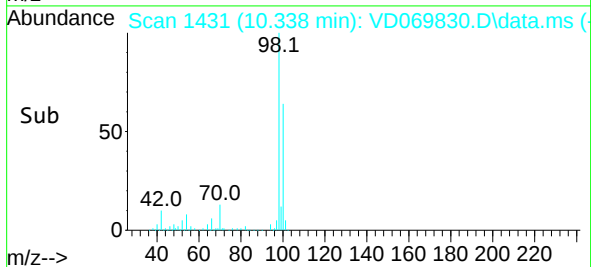
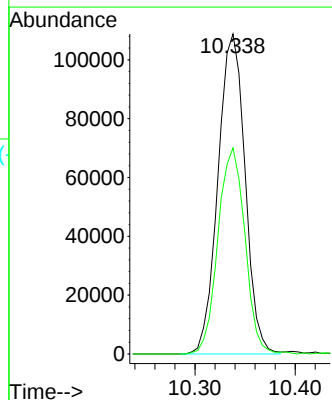
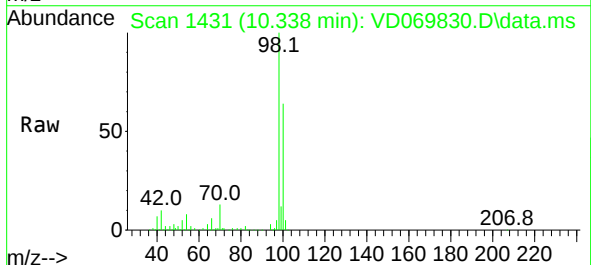
Instrument :
MSVOA_D
ClientSampleID :
NJ-CLEAN-2

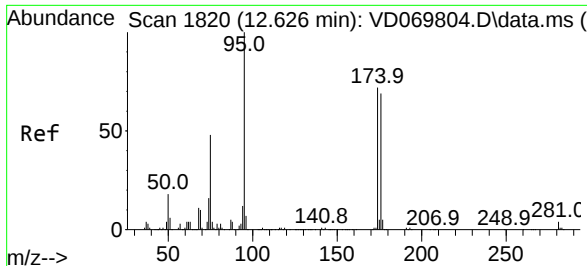
Tgt Ion: 41 Resp: 163
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 54.595 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50

Tgt Ion: 98 Resp: 203774
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

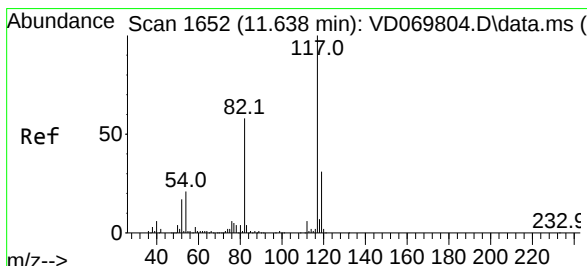
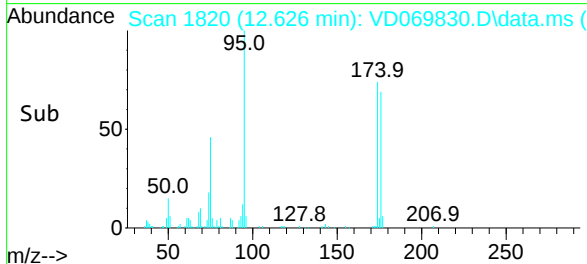
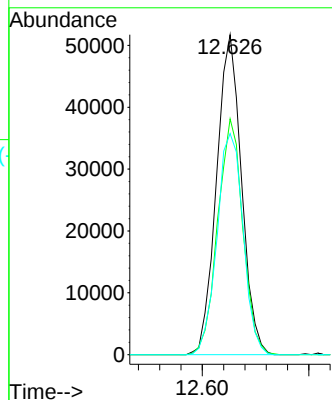
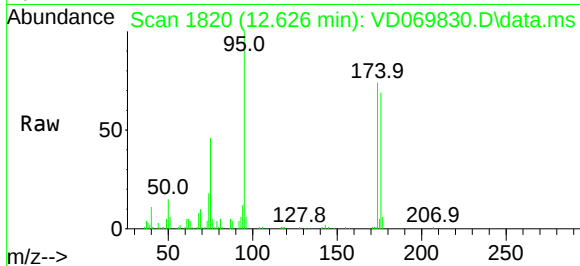




#62
4-Bromofluorobenzene
Concen: 67.342 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50

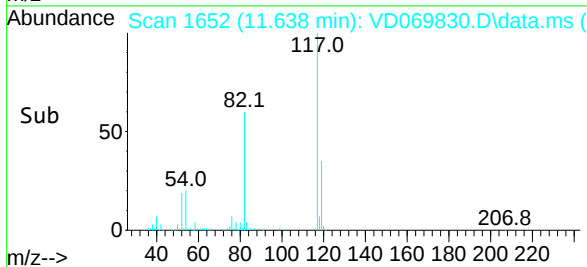
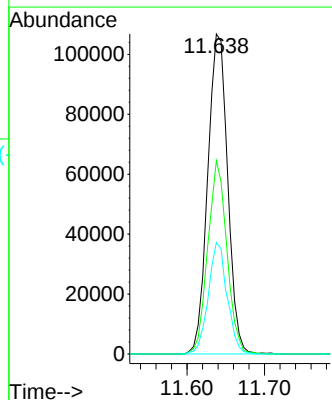
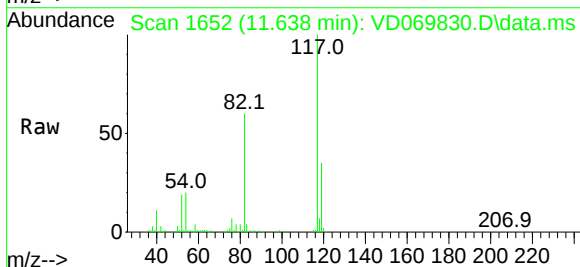
Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-2

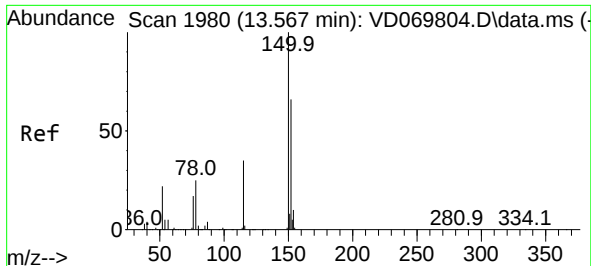
Tgt Ion: 95 Resp: 84003
Ion Ratio Lower Upper
95 100
174 74.2 0.0 142.6
176 72.2 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50

Tgt Ion: 117 Resp: 190754
Ion Ratio Lower Upper
117 100
82 60.4 46.3 69.5
119 34.8 24.7 37.1

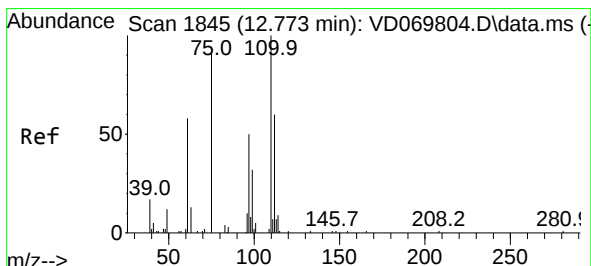
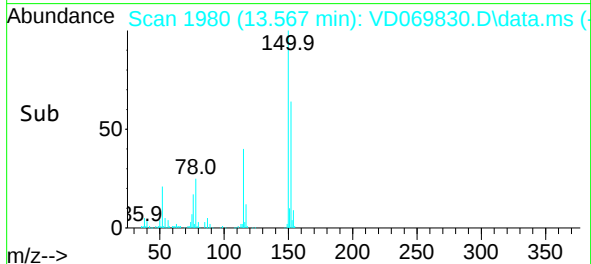
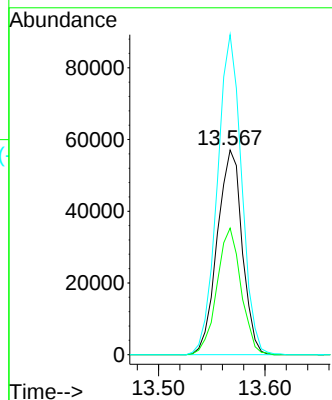
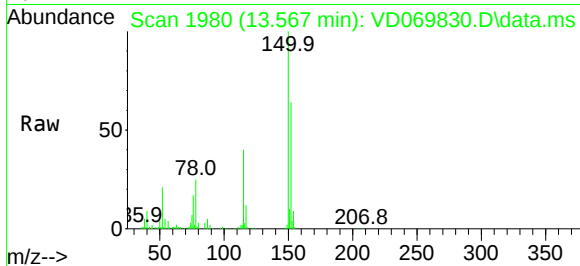




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069830.D
 Acq: 23 Jul 2021 15:50

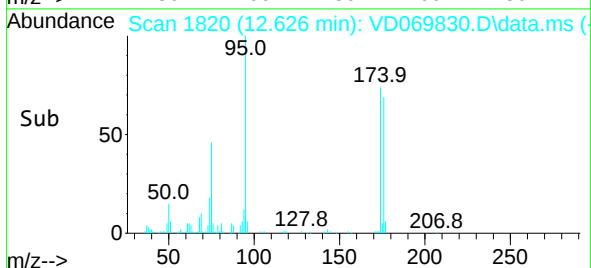
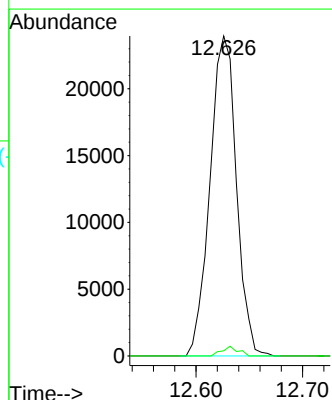
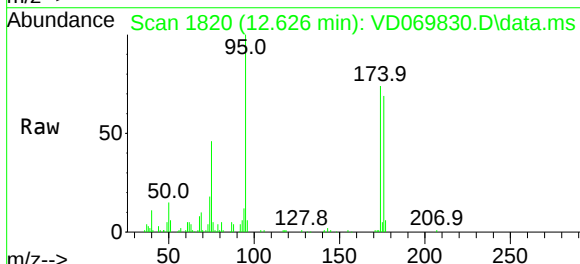
Instrument :
 MSVOA_D
 ClientSampleId :
 NJ-CLEAN-2

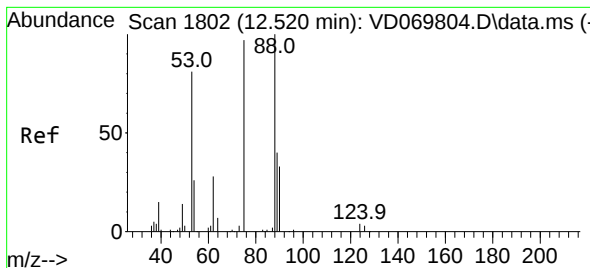
Tgt Ion:152 Resp: 92730
 Ion Ratio Lower Upper
 152 100
 115 59.8 31.1 93.3
 150 152.5 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 41.824 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069830.D
 Acq: 23 Jul 2021 15:50

Tgt Ion: 75 Resp: 41224
 Ion Ratio Lower Upper
 75 100
 77 1.9 181.5 544.5#

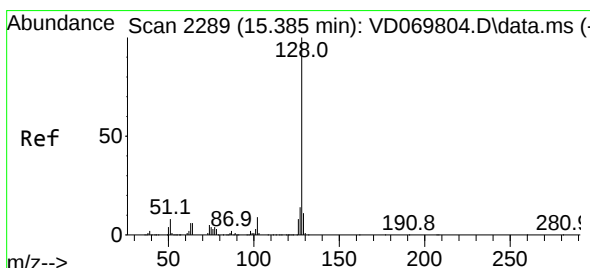
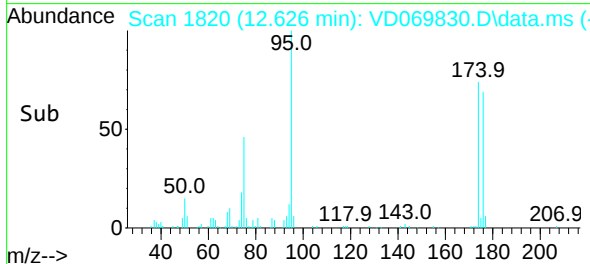
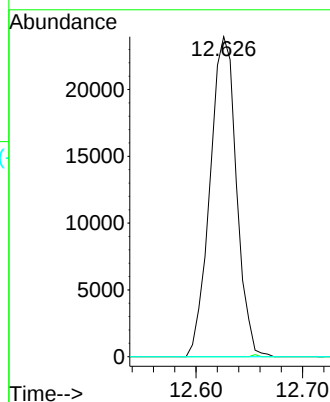
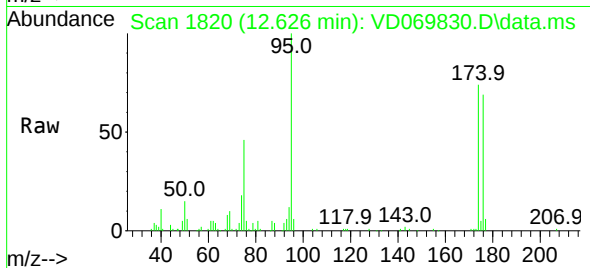




#81
trans-1,4-Dichloro-2-butene
Concen: 126.883 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50

Instrument :
MSVOA_D
ClientSampleId :
NJ-CLEAN-2

Tgt Ion: 75 Resp: 41224
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.069 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.011 min
Lab File: VD069830.D
Acq: 23 Jul 2021 15:50

Tgt Ion: 128 Resp: 237
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

