

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069898.D
 Acq On : 28 Jul 2021 19:44
 Operator : VA/SY
 Sample : M3223-05
 Misc : 5.77G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BACKFILL-ASHCROFT-REAR-11

Quant Time: Jul 29 04:03:09 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)

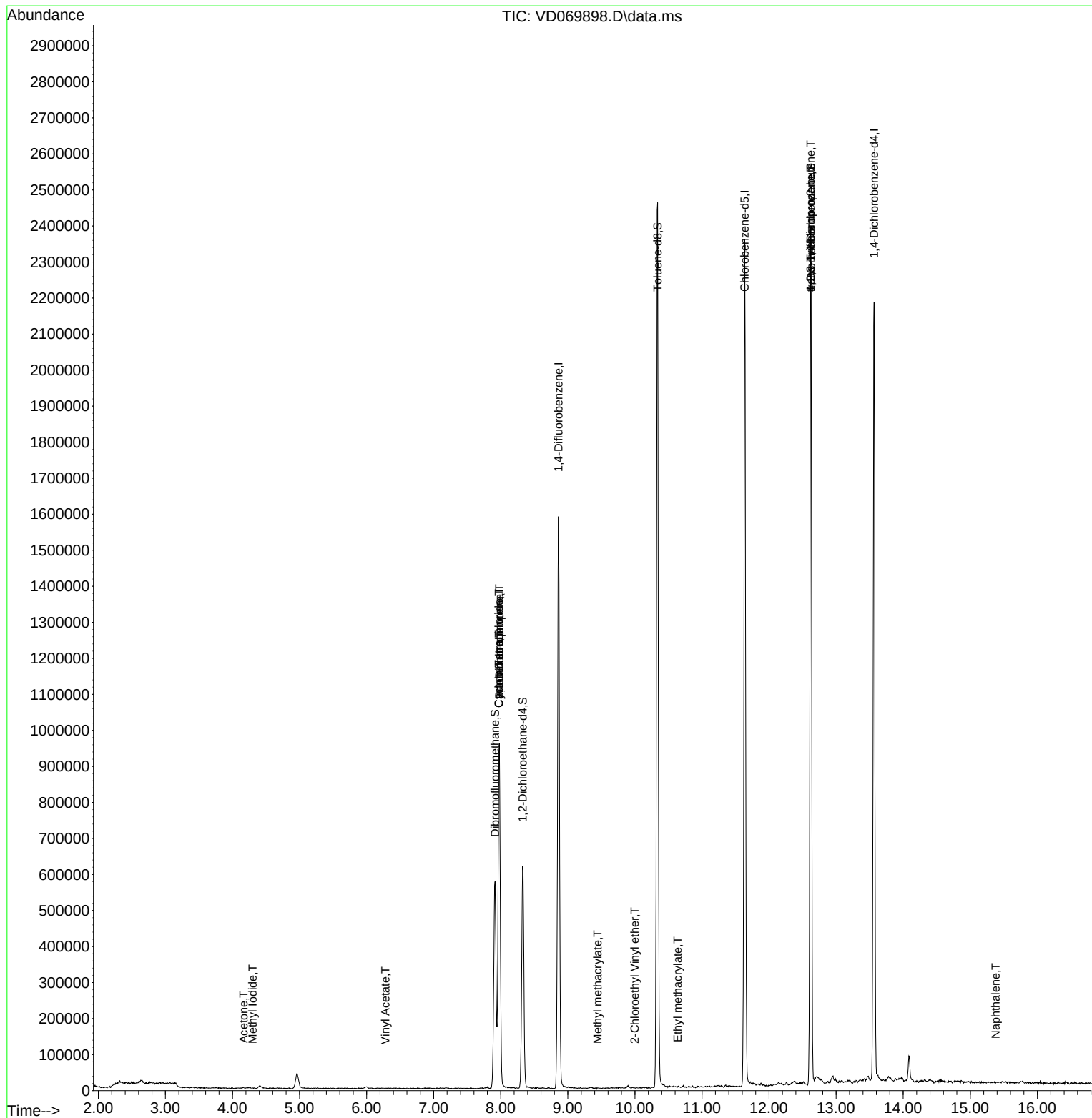
Internal Standards						
1) Pentafluorobenzene	7.979	168	686358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1365505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1343450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	571529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	487984	61.819	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.640%	
35) Dibromofluoromethane	7.914	113	429478	49.892	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.780%	
50) Toluene-d8	10.338	98	1703664	51.327	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.660%	
62) 4-Bromofluorobenzene	12.626	95	631462	56.924	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 113.840%	
Target Compounds						Qvalue
5) Bromomethane	2.773	94	1899	Below Cal		92
10) Methyl Iodide	4.303	142	632	3.531 ug/l #		88
16) Acetone	4.167	43	1992	1.397 ug/l #		80
20) Methylene Chloride	4.961	84	34248	Below Cal		86
23) Vinyl Acetate	6.279	43	96	20.356 ug/l #		71
31) Cyclohexane	7.973	56	16300	1.057 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	62256	4.225 ug/l #		50
38) Carbon Tetrachloride	7.973	117	75518	5.610 ug/l #		16
48) Methyl methacrylate	9.444	41	365	2.814 ug/l #		34
56) Ethyl methacrylate	10.638	69	362	3.931 ug/l #		61
58) 2-Chloroethyl Vinyl ether	9.997	63	67	20.885 ug/l #		48
76) 1,2,3-Trichloropropane	12.620	75	318524	52.433 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.620	75	318524	159.066 ug/l #		17
95) Naphthalene	15.379	128	409	5.018 ug/l #		69

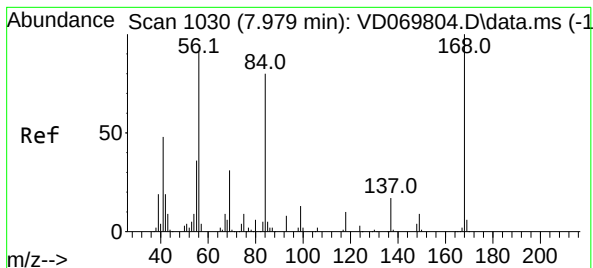
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD069898.D

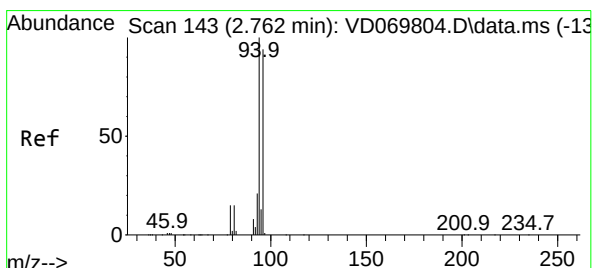
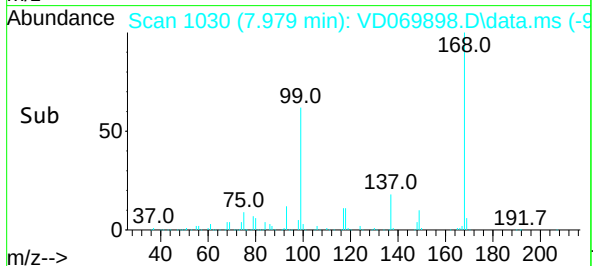
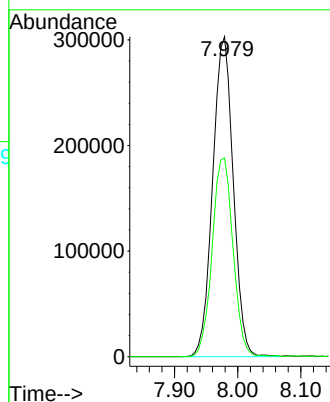
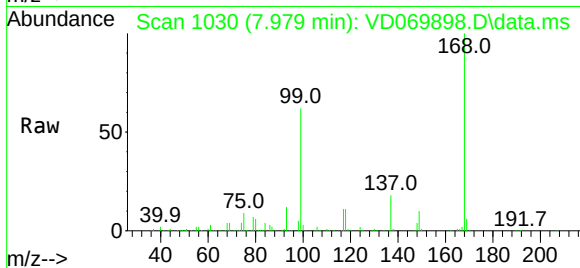
Acq: 28 Jul 2021 19:44

Tgt Ion:168 Resp: 686358

Ion Ratio Lower Upper

168 100

99 62.1 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.011 min

Lab File: VD069898.D

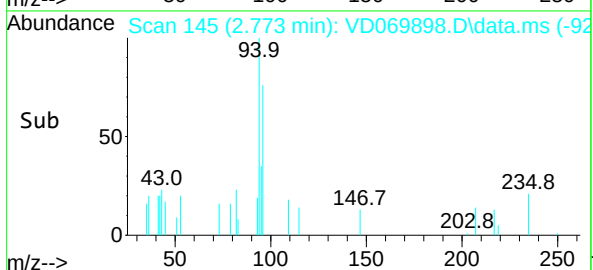
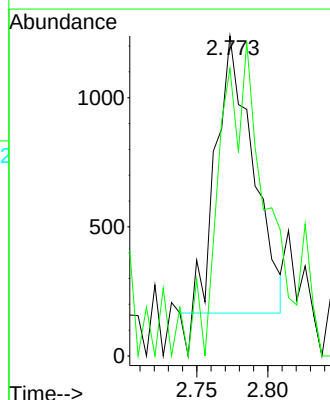
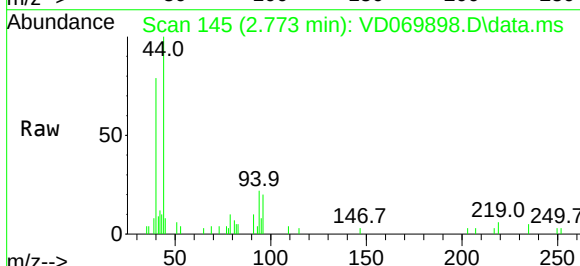
Acq: 28 Jul 2021 19:44

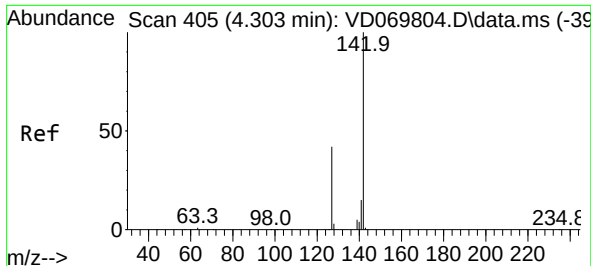
Tgt Ion: 94 Resp: 1899

Ion Ratio Lower Upper

94 100

96 86.2 74.8 112.2

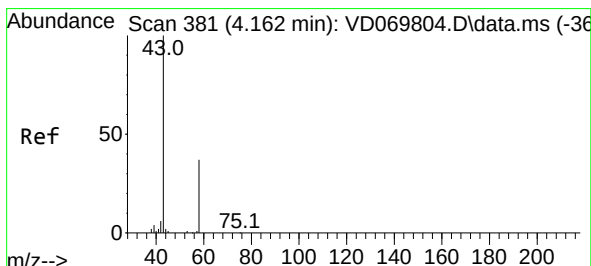
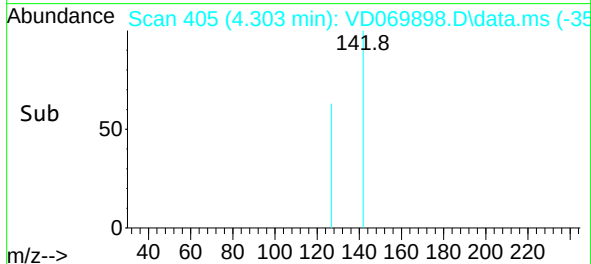
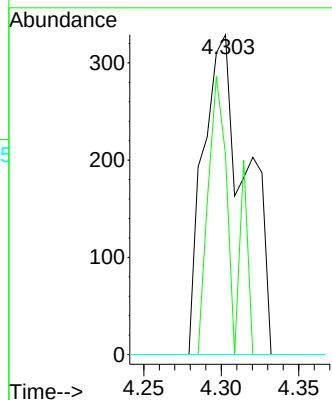
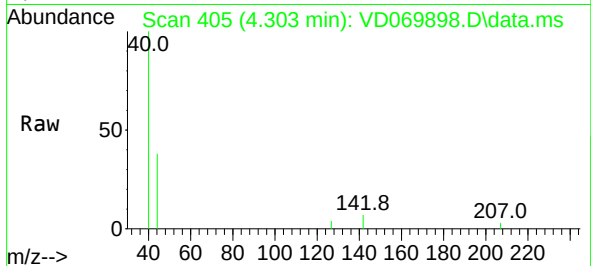




#10
Methyl Iodide
Concen: 3.531 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

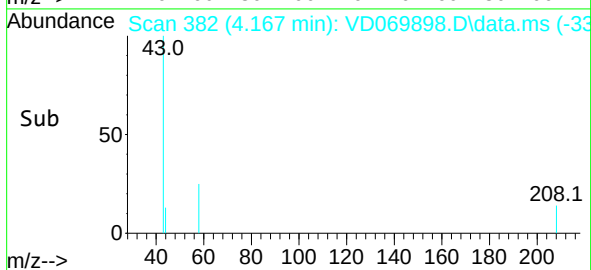
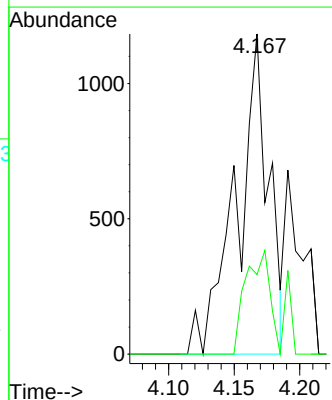
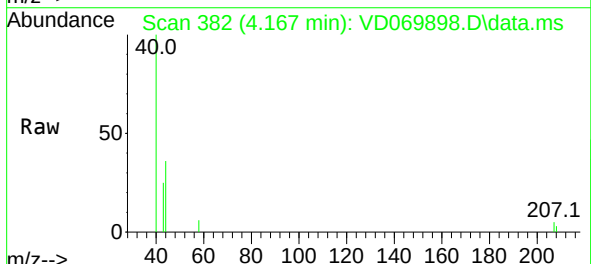
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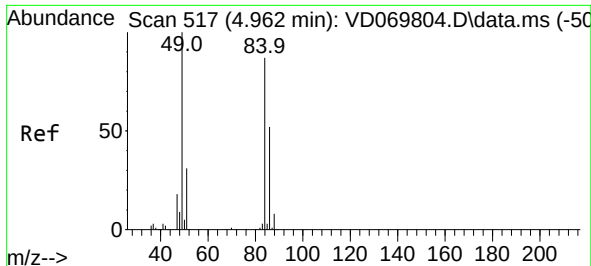
Tgt Ion:142 Resp: 632
Ion Ratio Lower Upper
142 100
127 47.5 35.7 53.5
141 0.0 12.0 18.0#



#16
Acetone
Concen: 1.397 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

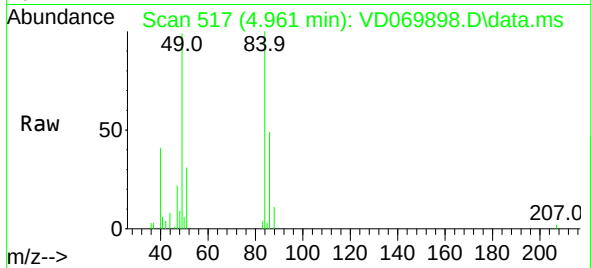
Tgt Ion: 43 Resp: 1992
Ion Ratio Lower Upper
43 100
58 24.9 29.4 44.0#



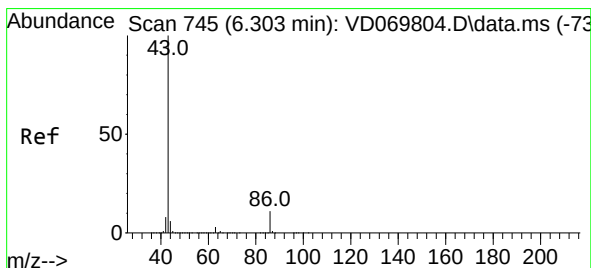
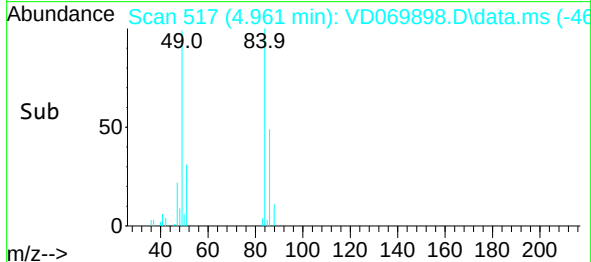
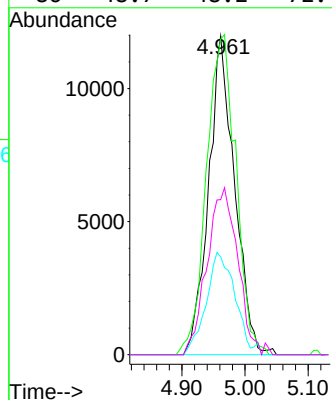


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

Instrument :
MSVOA_D
ClientSampleId :
BACKFILL-ASHCROFT-REAR-11

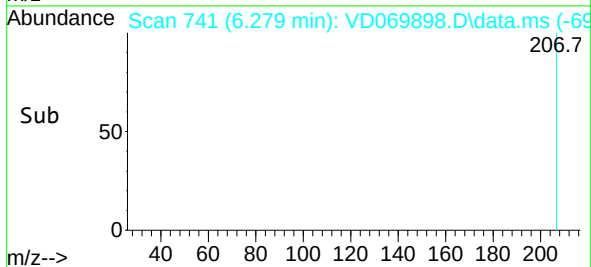
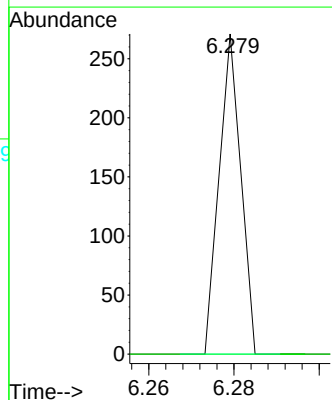
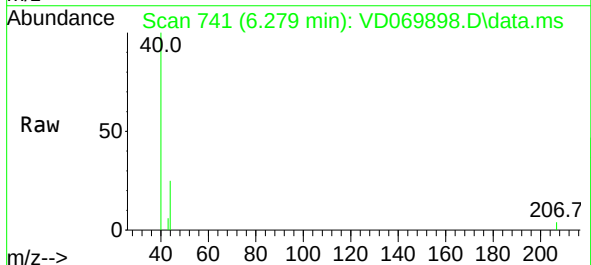


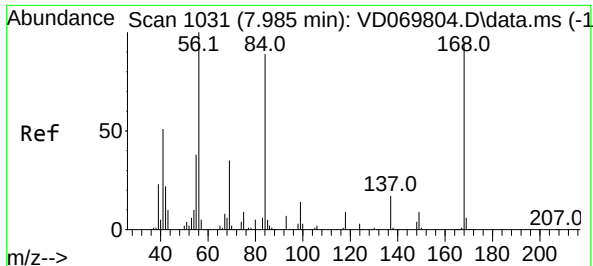
Tgt Ion:	84	Resp:	34248
Ion	Ratio	Lower	Upper
84	100		
49	99.0	92.4	138.6
51	30.7	28.5	42.7
86	48.7	48.2	72.4



#23
Vinyl Acetate
Concen: 20.356 ug/l
RT: 6.279 min Scan# 741
Delta R.T. -0.024 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

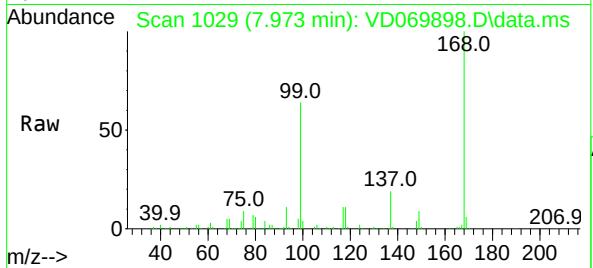
Tgt Ion:	43	Resp:	96
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#



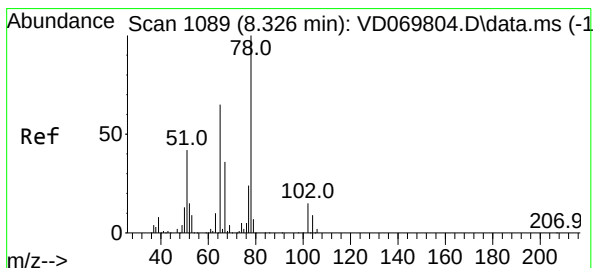
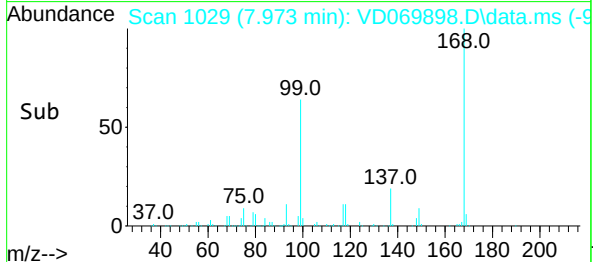
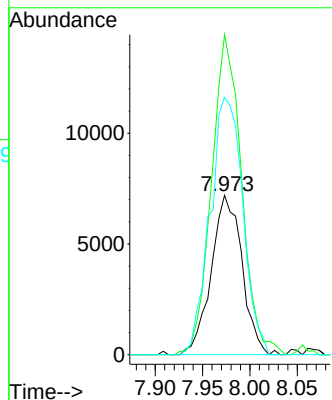


#31
Cyclohexane
Concen: 1.057 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

Instrument :
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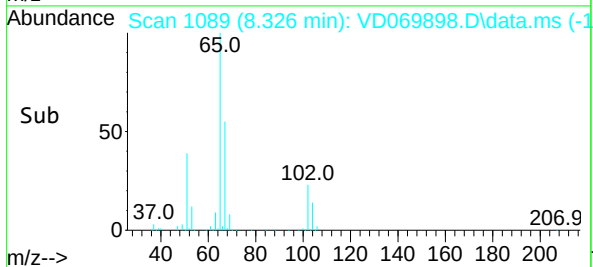
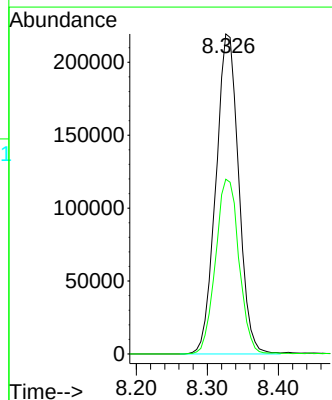
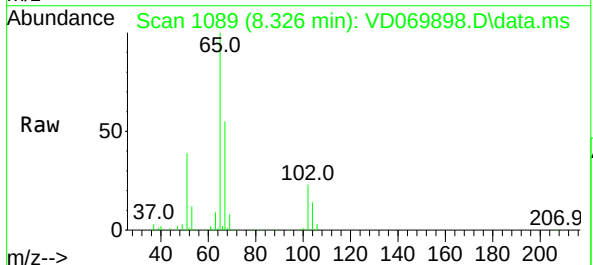


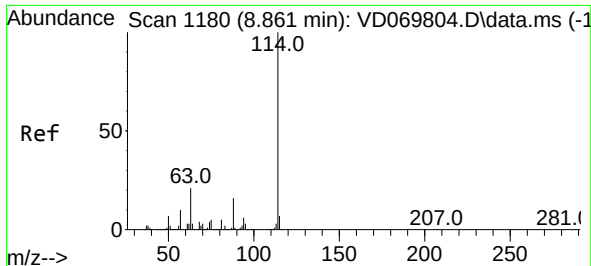
Tgt Ion: 56 Resp: 16300
Ion Ratio Lower Upper
56 100
69 198.7 27.9 41.9#
84 161.5 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 61.819 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

Tgt Ion: 65 Resp: 487984
Ion Ratio Lower Upper
65 100
67 56.3 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: VD069898.D

Acq: 28 Jul 2021 19:44

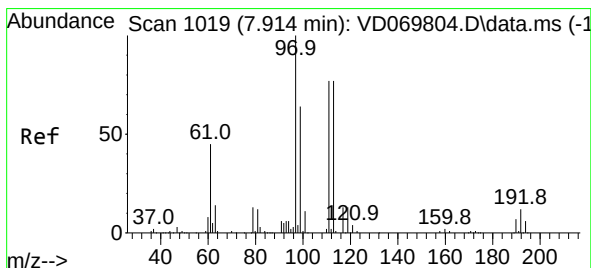
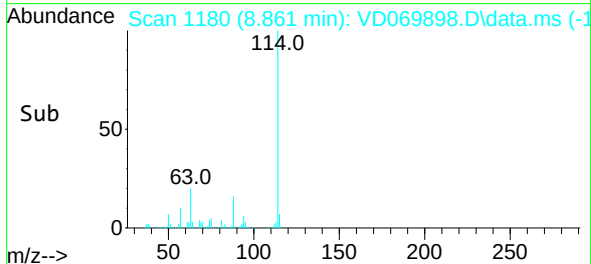
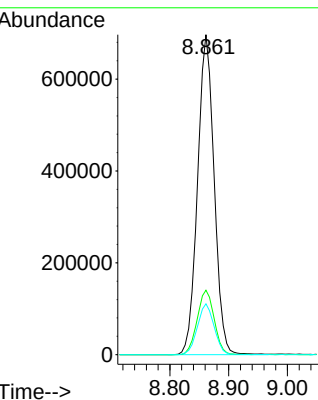
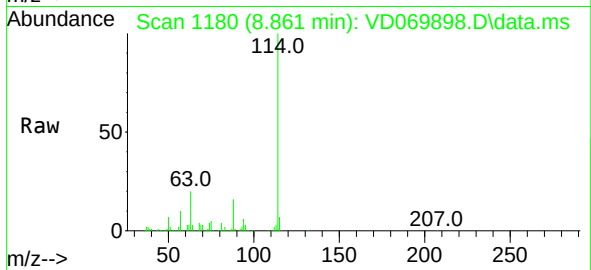
Tgt Ion:114 Resp: 1365505

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.6

88 15.9 0.0 31.4



#35

Dibromofluoromethane

Concen: 49.892 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069898.D

Acq: 28 Jul 2021 19:44

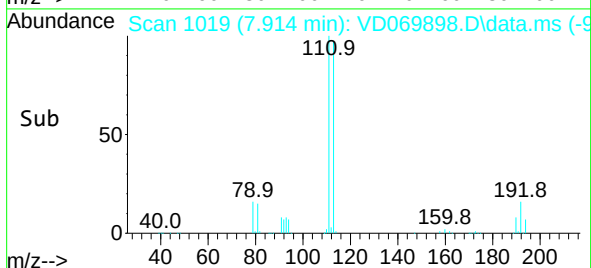
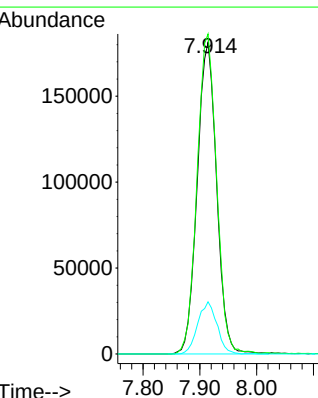
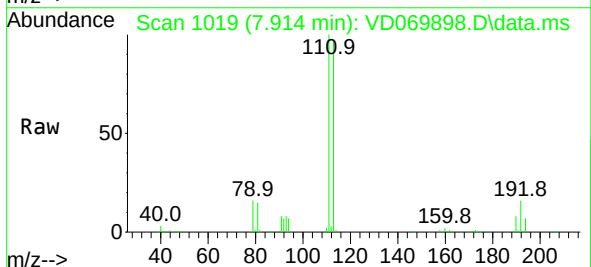
Tgt Ion:113 Resp: 429478

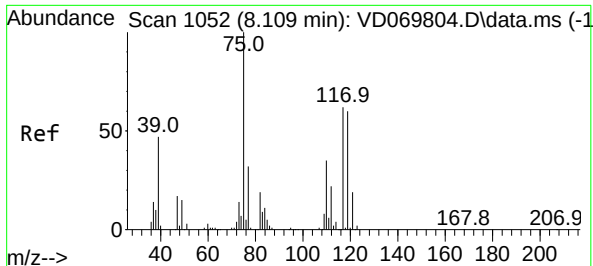
Ion Ratio Lower Upper

113 100

111 103.1 80.5 120.7

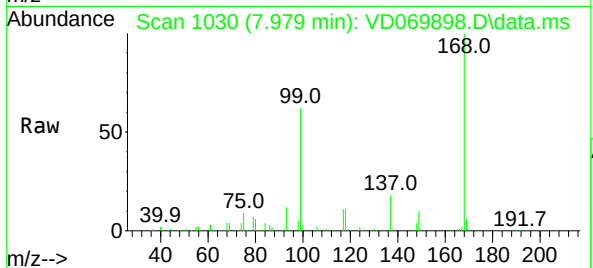
192 16.6 12.6 19.0



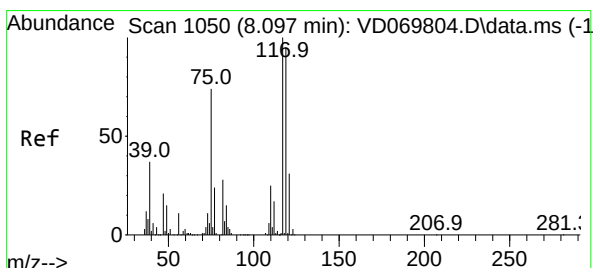
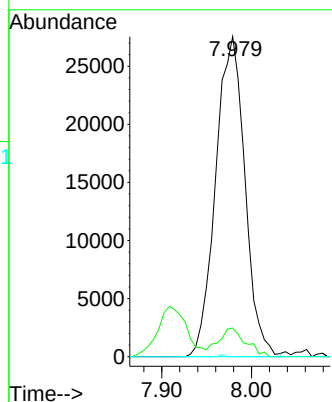
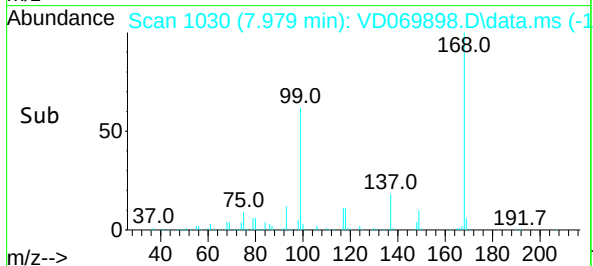


#36
1,1-Dichloropropene
Concen: 4.225 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

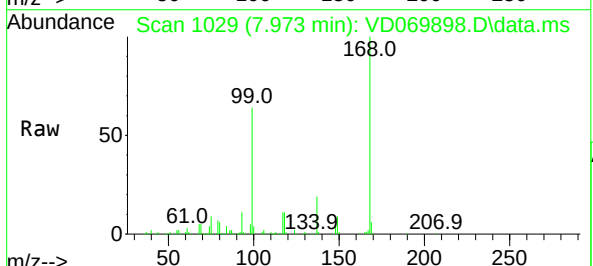
Instrument :
MSVOA_D
ClientSampleId :
BACKFILL-ASHCROFT-REAR-11



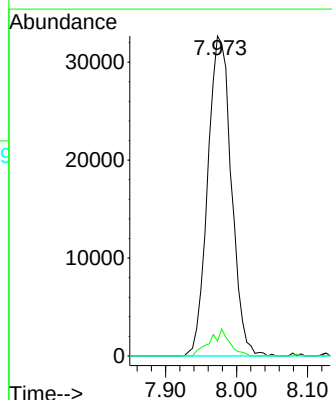
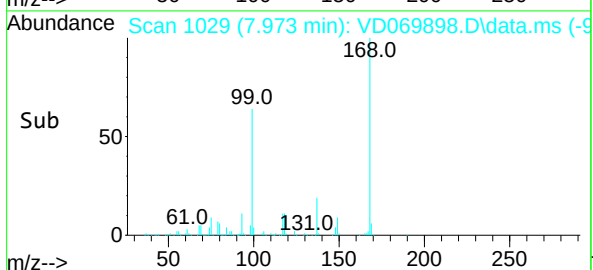
Tgt Ion: 75 Resp: 62256
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.7#
77 0.1 24.9 37.3#

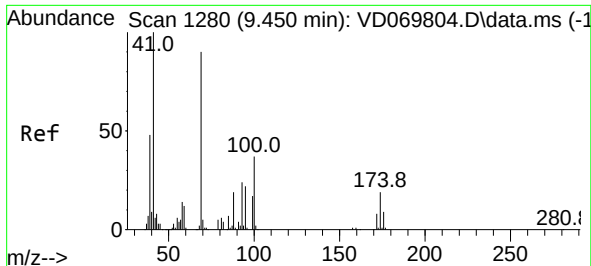


#38
Carbon Tetrachloride
Concen: 5.610 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44



Tgt Ion: 117 Resp: 75518
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.5 36.7#

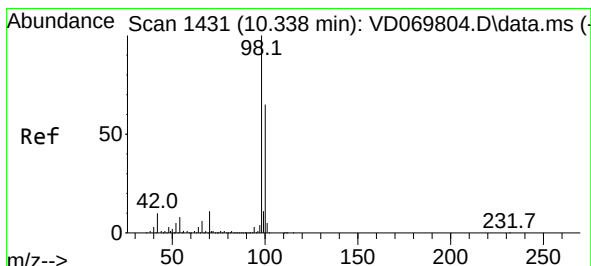
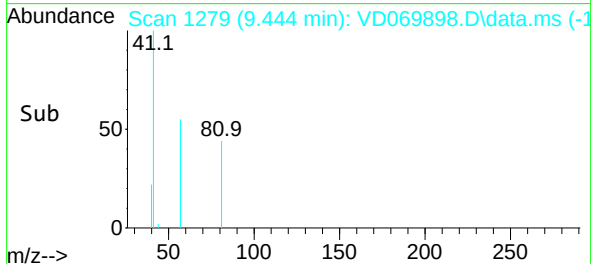
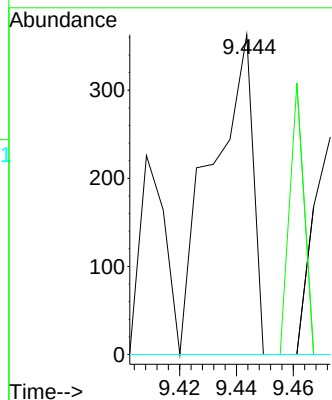
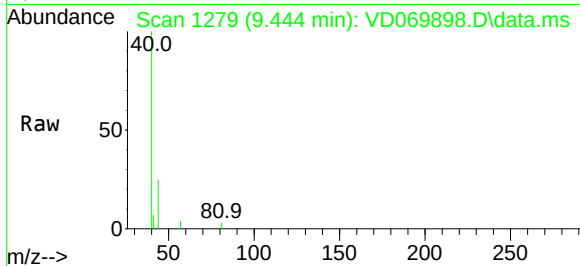




#48
Methyl methacrylate
Concen: 2.814 ug/l
RT: 9.444 min Scan# 1279
Delta R.T. -0.006 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

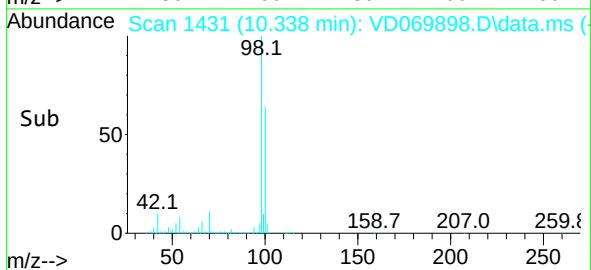
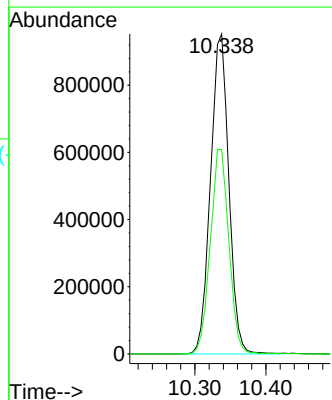
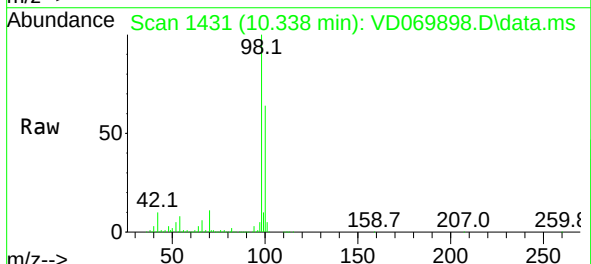
Instrument :
MSVOA_D
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BACKFILL-ASHCROFT-REAR-11

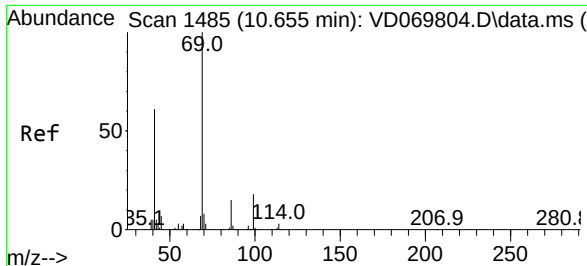
Tgt Ion: 41 Resp: 365
Ion Ratio Lower Upper
41 100
69 29.9 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 51.327 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

Tgt Ion: 98 Resp: 1703664
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

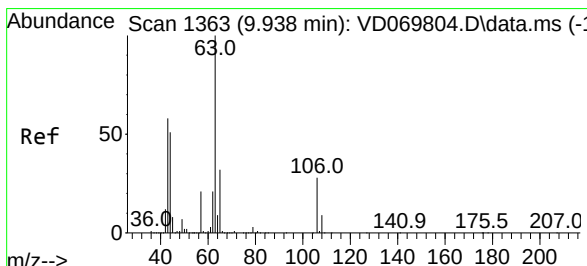
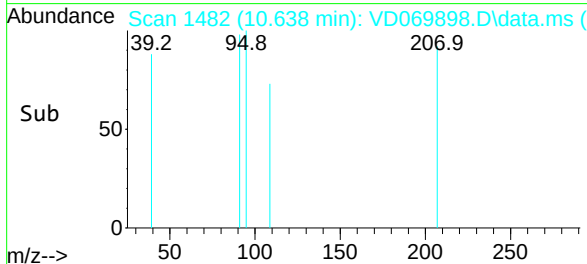
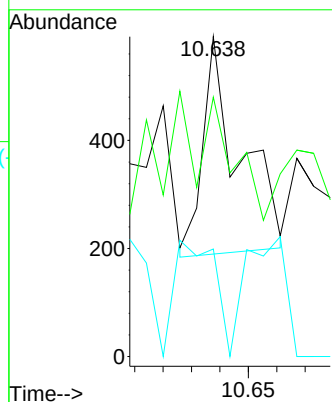
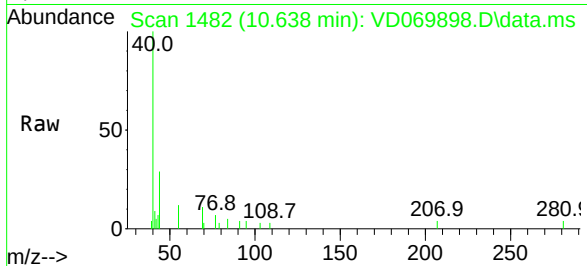




#56
Ethyl methacrylate
Concen: 3.931 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

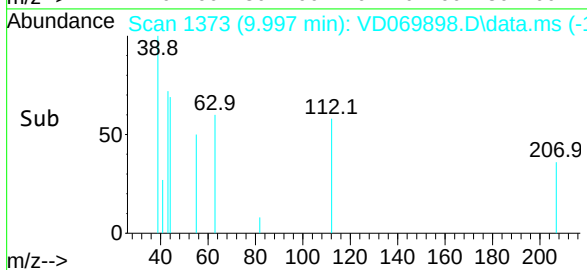
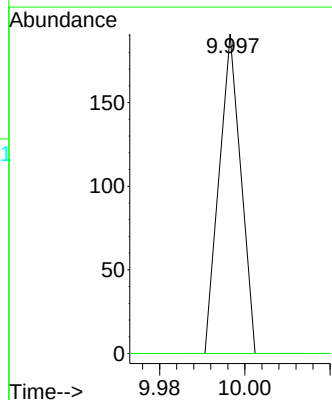
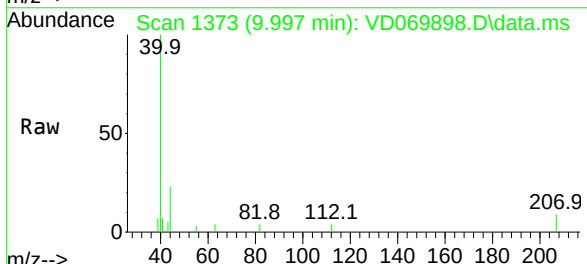
Instrument :
MSVOA_D
ClientSampleId :
BACKFILL-ASHCROFT-REAR-11

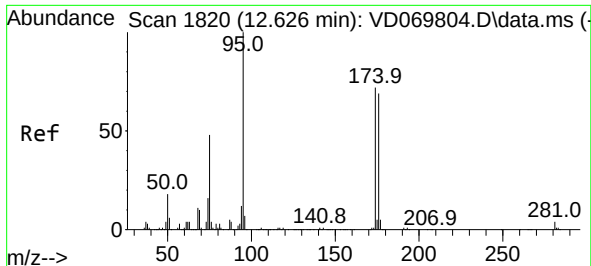
Tgt Ion: 69 Resp: 362
Ion Ratio Lower Upper
69 100
41 85.6 50.2 75.2#
39 58.6 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.885 ug/l
RT: 9.997 min Scan# 1373
Delta R.T. 0.059 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

Tgt Ion: 63 Resp: 67
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

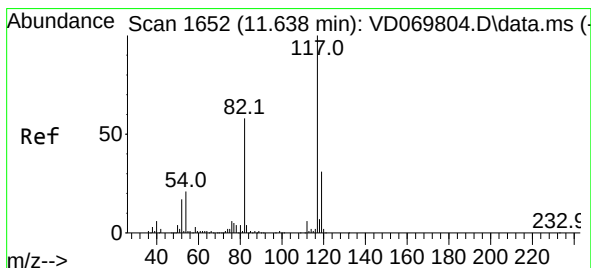
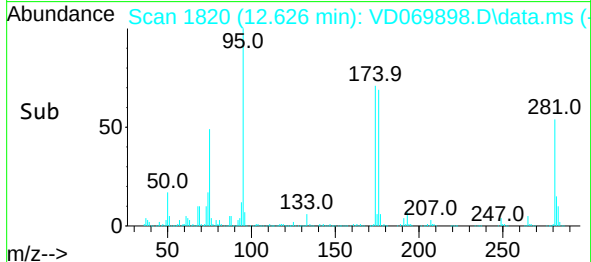
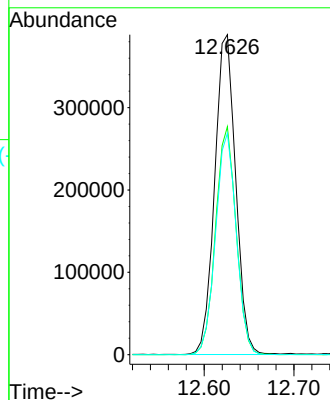
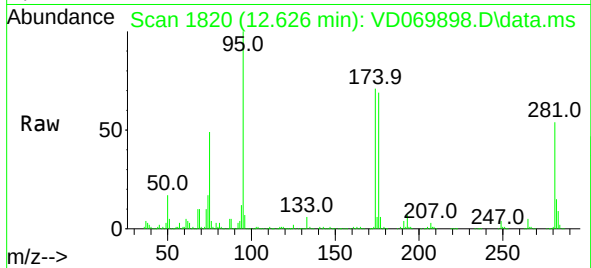




#62
4-Bromofluorobenzene
Concen: 56.924 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

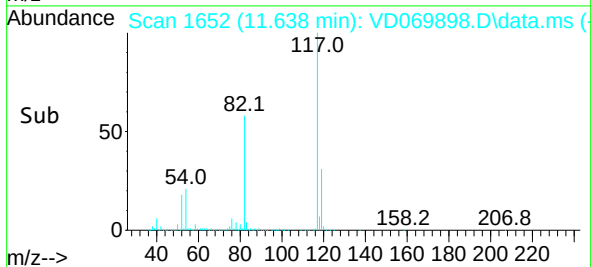
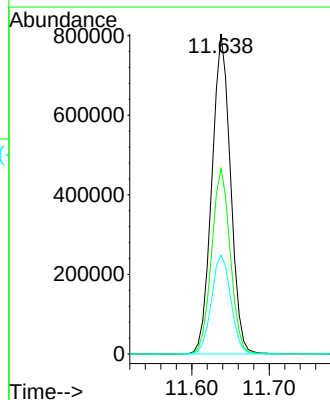
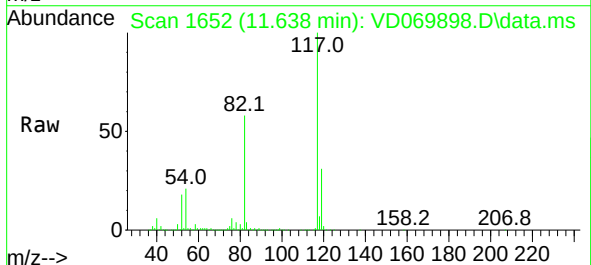
Instrument :
MSVOA_D
ClientSampleId :
BACKFILL-ASHCROFT-REAR-11

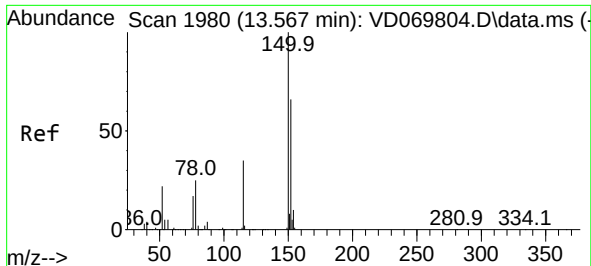
Tgt Ion: 95 Resp: 631462
Ion Ratio Lower Upper
95 100
174 69.8 0.0 142.6
176 68.2 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

Tgt Ion: 117 Resp: 1343450
Ion Ratio Lower Upper
117 100
82 57.9 46.3 69.5
119 30.9 24.7 37.1

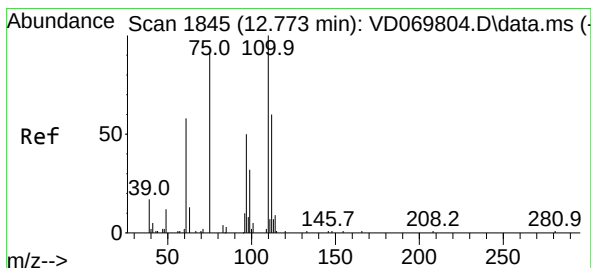
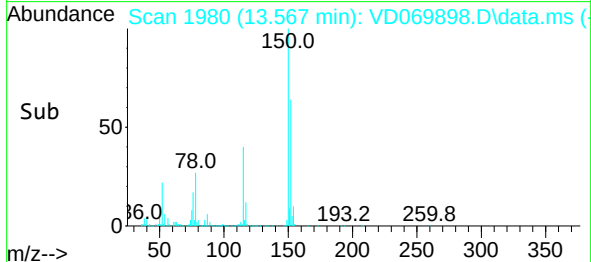
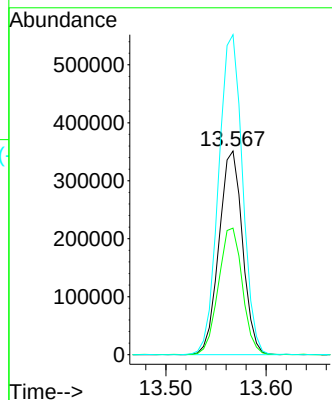
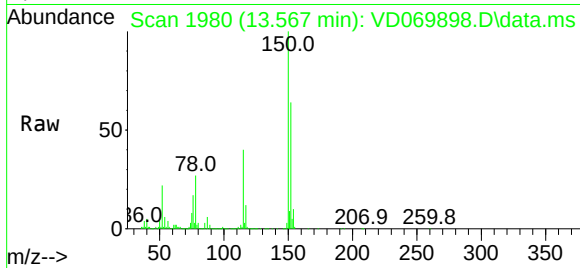




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

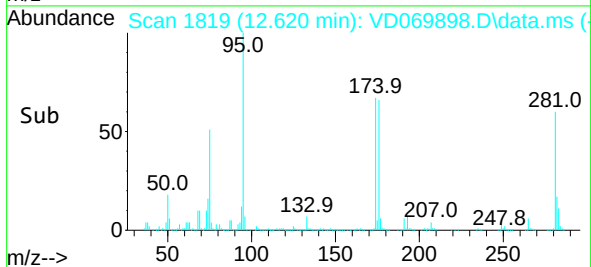
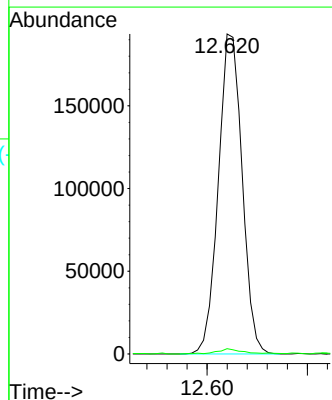
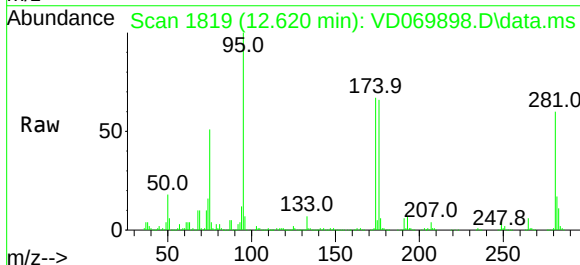
Instrument :
MSVOA_D
ClientSampleId :
BACKFILL-ASHCROFT-REAR-11

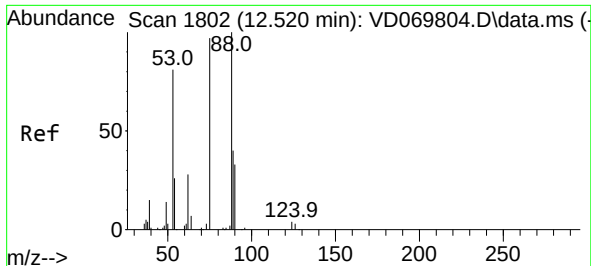
Tgt Ion:152 Resp: 571529
Ion Ratio Lower Upper
152 100
115 63.3 31.1 93.3
150 159.8 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 52.433 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

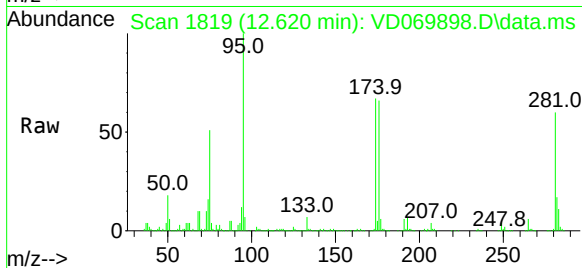
Tgt Ion: 75 Resp: 318524
Ion Ratio Lower Upper
75 100
77 1.9 181.5 544.5#



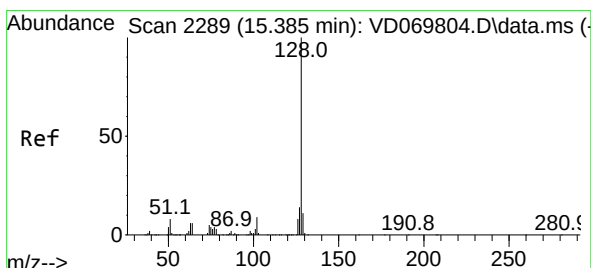
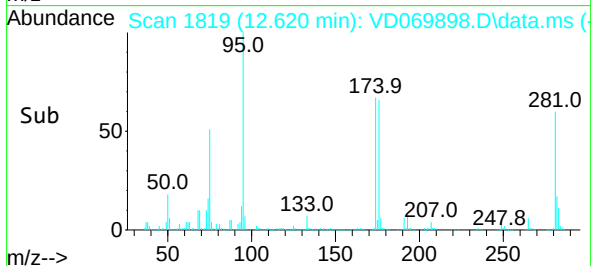
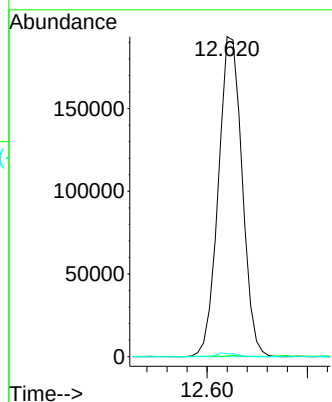


#81
trans-1,4-Dichloro-2-butene
Concen: 159.066 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

Instrument :
MSVOA_D
ClientSampleId :
BACKFILL-ASHCROFT-REAR-11



Tgt Ion: 75 Resp: 318524
Ion Ratio Lower Upper
75 100
53 0.4 67.2 100.8#
89 1.0 35.8 53.6#



#95
Naphthalene
Concen: 5.018 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD069898.D
Acq: 28 Jul 2021 19:44

Tgt Ion: 128 Resp: 409
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

