

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069894.D
 Acq On : 28 Jul 2021 17:48
 Operator : VA/SY
 Sample : M3206-02
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20210581-COM-4

Quant Time: Jul 29 04:01:35 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)

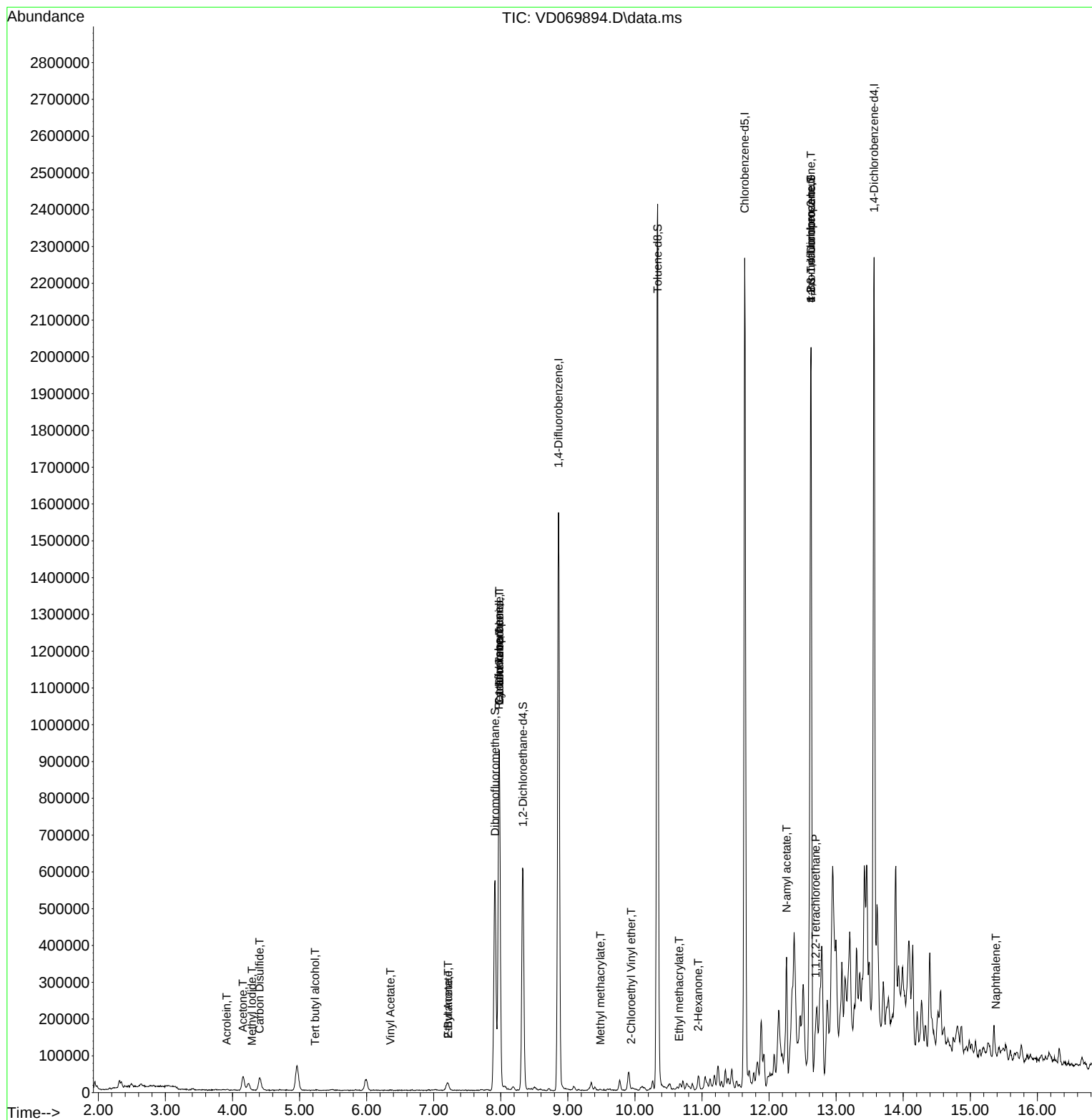
Internal Standards						
1) Pentafluorobenzene	7.973	168	655870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1334314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1299210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	566434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	476937	63.228	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.460%			
35) Dibromofluoromethane	7.914	113	422630	50.244	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.480%			
50) Toluene-d8	10.338	98	1647033	50.781	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.560%			
62) 4-Bromofluorobenzene	12.626	95	639383	58.986	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 117.980%			
Target Compounds			Qvalue			
5) Bromomethane	2.768	94	2625	Below Cal #	67	
10) Methyl Iodide	4.291	142	800	3.554 ug/l #	52	
11) Tert butyl alcohol	5.232	59	574	1.471 ug/l #	73	
13) Acrolein	3.915	56	1075	1.968 ug/l #	1	
16) Acetone	4.156	43	66214	48.593 ug/l	90	
17) Carbon Disulfide	4.403	76	71049	2.648 ug/l	97	
20) Methylene Chloride	4.956	84	54943	Below Cal #	88	
23) Vinyl Acetate	6.356	43	154	20.360 ug/l #	71	
25) 2-Butanone	7.214	43	19926	10.783 ug/l	99	
31) Cyclohexane	7.979	56	20392	1.384 ug/l #	1	
36) 1,1-Dichloropropene	7.979	75	59086	4.103 ug/l #	50	
37) Ethyl Acetate	7.214	43	19926	3.801 ug/l #	73	
38) Carbon Tetrachloride	7.979	117	71518	5.437 ug/l #	17	
48) Methyl methacrylate	9.485	41	1340	3.000 ug/l #	13	
56) Ethyl methacrylate	10.661	69	2428	4.134 ug/l #	10	
58) 2-Chloroethyl Vinyl ether	9.944	63	194	20.913 ug/l #	48	
59) 2-Hexanone	10.944	43	14881	4.598 ug/l #	25	
74) N-amyl acetate	12.261	43	66511	7.945 ug/l #	64	
75) 1,1,2,2-Tetrachloroethane	12.696	83	10298	1.267 ug/l #	1	
76) 1,2,3-Trichloropropane	12.626	75	307146	51.014 ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.626	75	307146	154.764 ug/l #	16	
95) Naphthalene	15.385	128	4181	5.202 ug/l #	69	

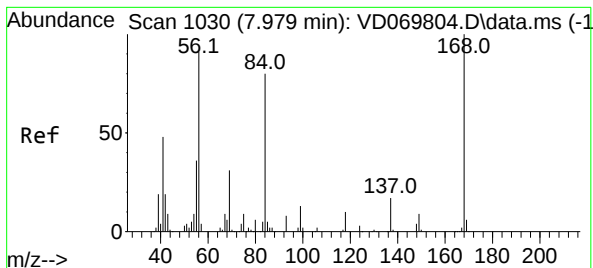
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD069894.D

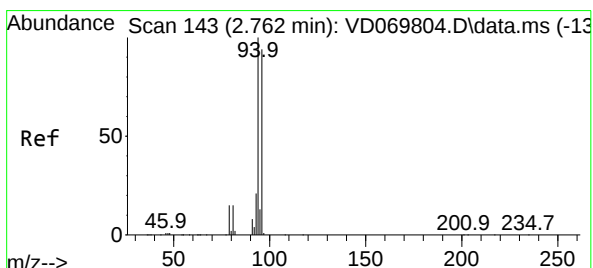
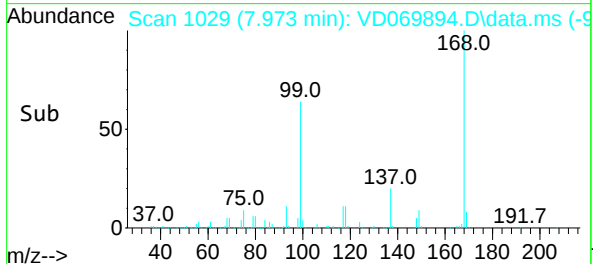
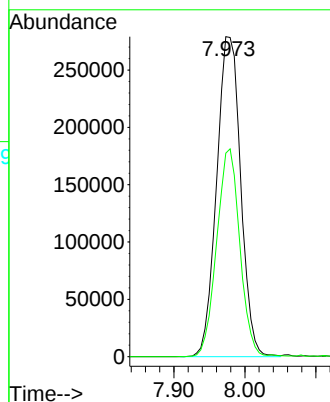
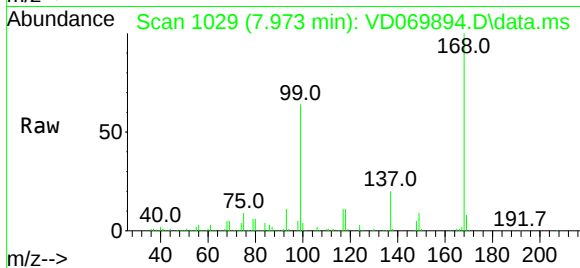
Acq: 28 Jul 2021 17:48

Tgt Ion:168 Resp: 655870

Ion Ratio Lower Upper

168 100

99 63.6 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.768 min Scan# 144

Delta R.T. 0.006 min

Lab File: VD069894.D

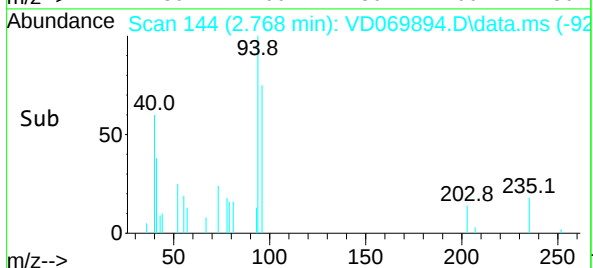
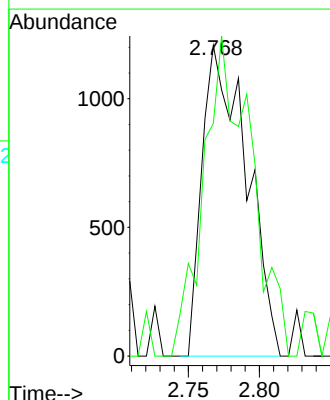
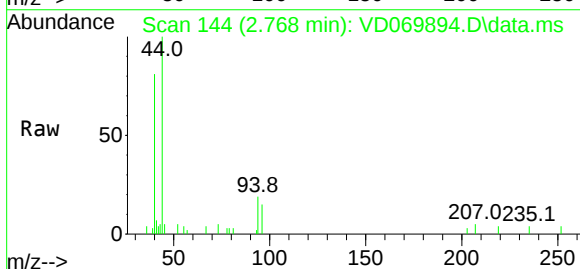
Acq: 28 Jul 2021 17:48

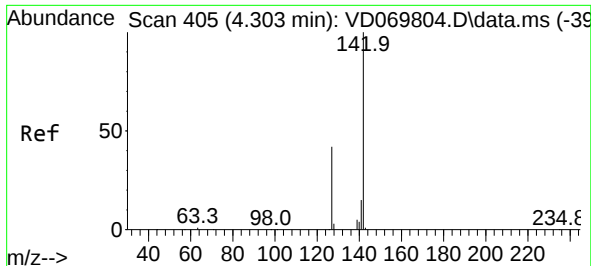
Tgt Ion: 94 Resp: 2625

Ion Ratio Lower Upper

94 100

96 61.6 74.8 112.2#

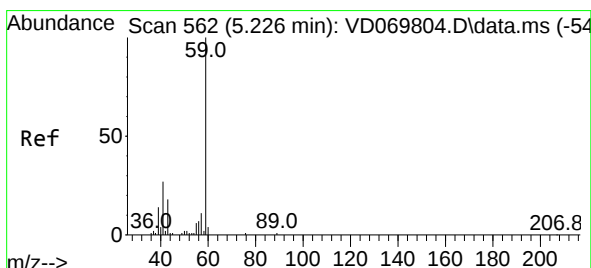
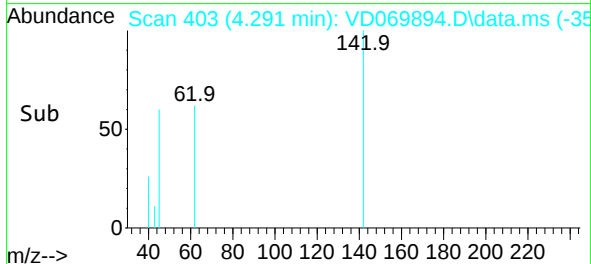
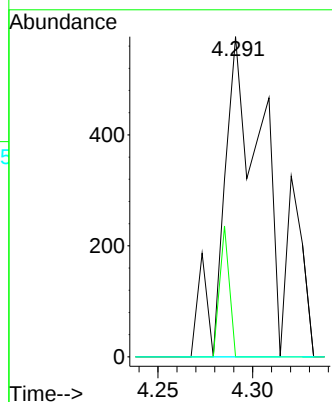
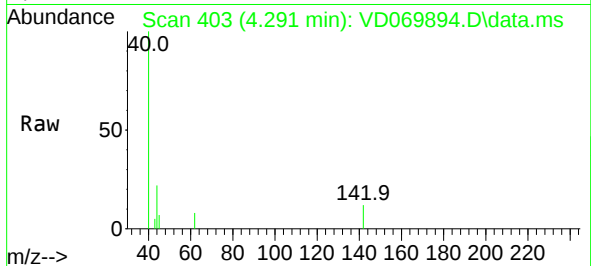




#10
Methyl Iodide
Concen: 3.554 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

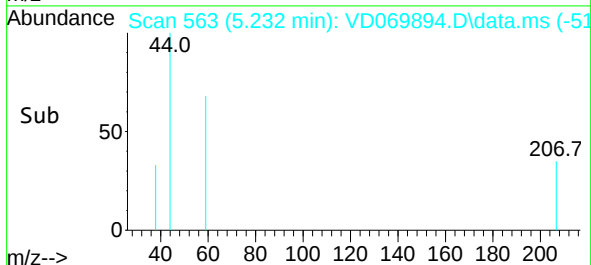
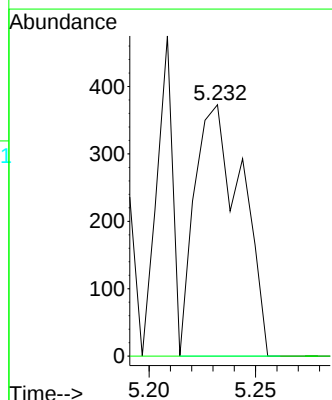
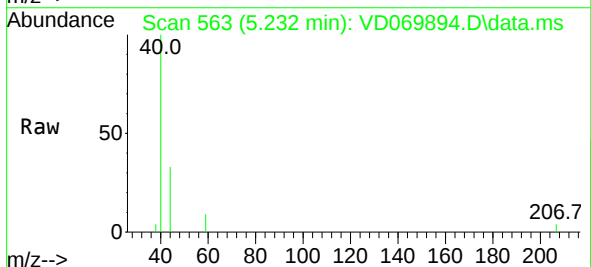
Instrument :
MSVOA_D
ClientSampleId :
20210581-COM-4

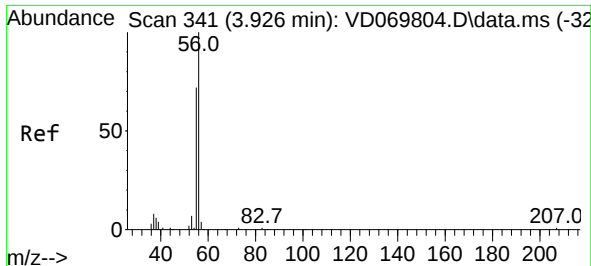
Tgt Ion:142 Resp: 800
Ion Ratio Lower Upper
142 100
127 10.4 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.471 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.006 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

Tgt Ion: 59 Resp: 574
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

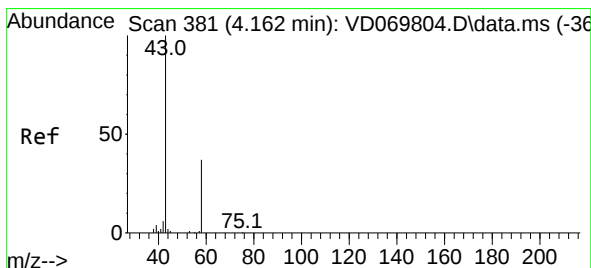
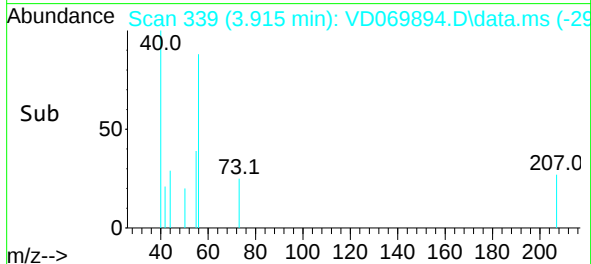
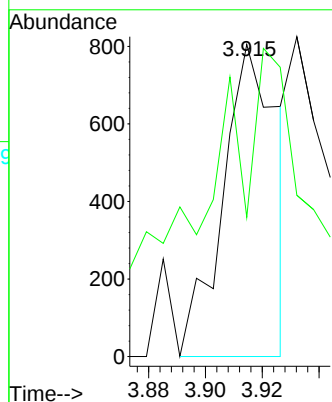
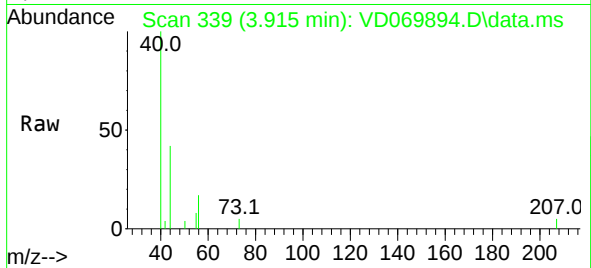




#13
Acrolein
Concen: 1.968 ug/l
RT: 3.915 min Scan# 339
Delta R.T. -0.012 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

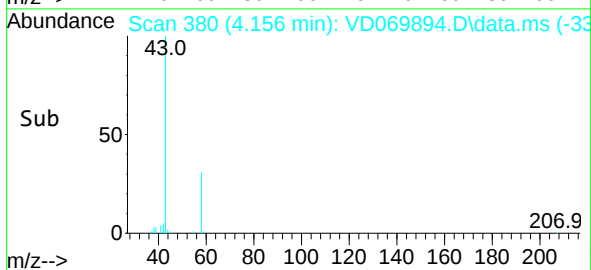
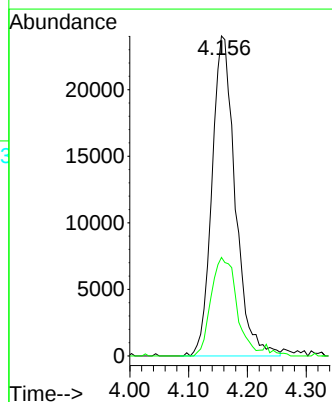
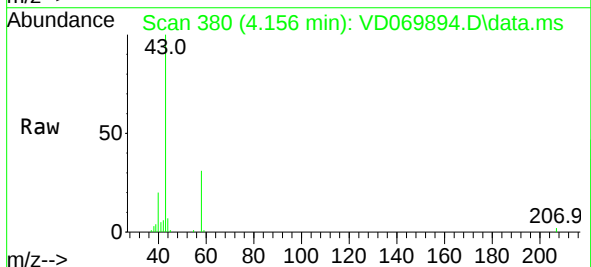
Instrument :
MSVOA_D
ClientSampleId :
20210581-COM-4

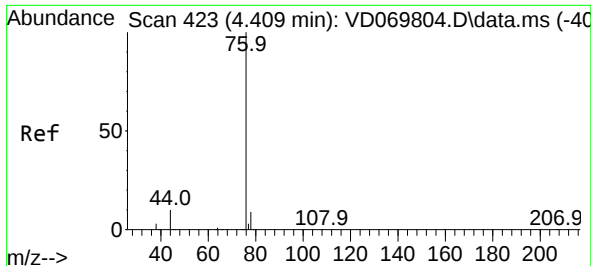
Tgt Ion: 56 Resp: 1075
Ion Ratio Lower Upper
56 100
55 190.1 57.2 85.8#



#16
Acetone
Concen: 48.593 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

Tgt Ion: 43 Resp: 66214
Ion Ratio Lower Upper
43 100
58 30.8 29.4 44.0

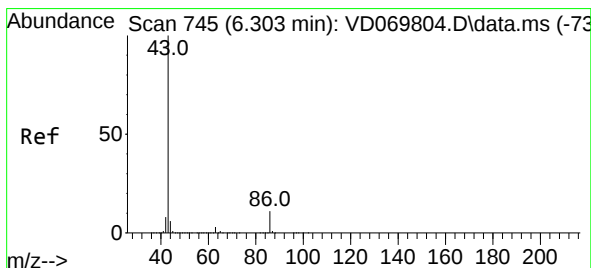
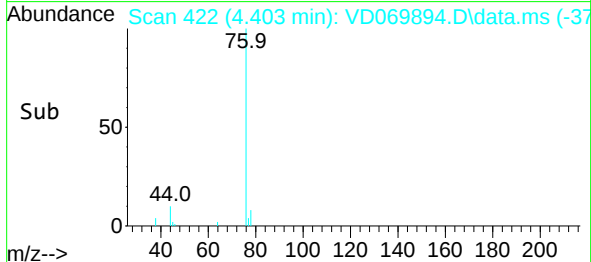
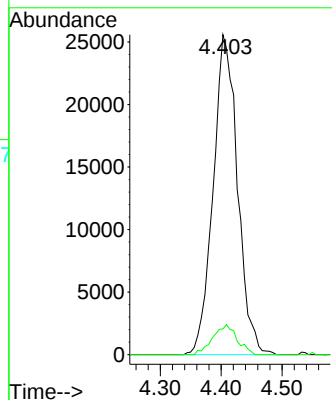
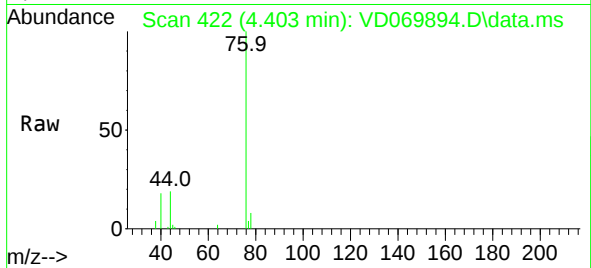




#17
Carbon Disulfide
Concen: 2.648 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

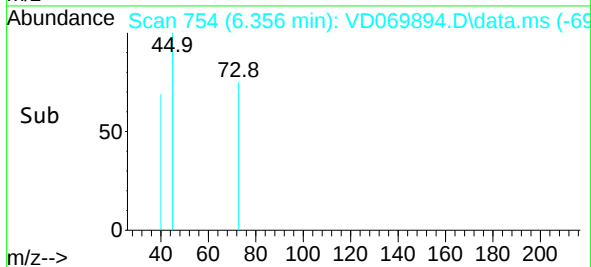
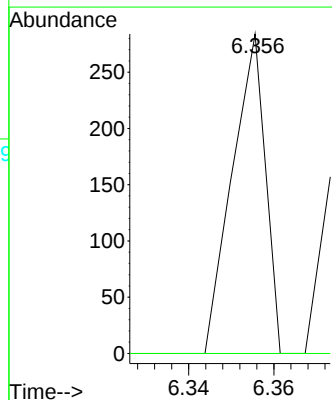
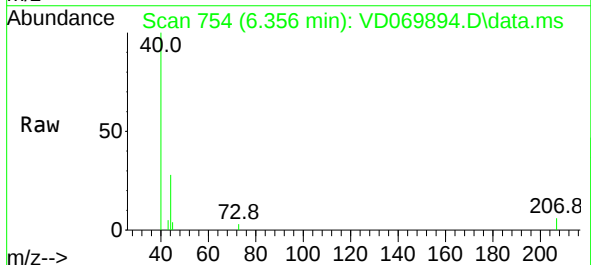
Instrument :
MSVOA_D
ClientSampleId :
20210581-COM-4

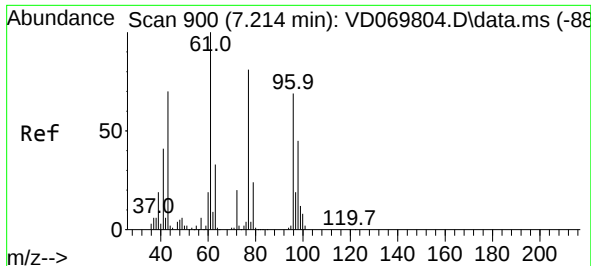
Tgt Ion: 76 Resp: 71049
Ion Ratio Lower Upper
76 100
78 8.0 7.3 10.9



#23
Vinyl Acetate
Concen: 20.360 ug/l
RT: 6.356 min Scan# 754
Delta R.T. 0.053 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

Tgt Ion: 43 Resp: 154
Ion Ratio Lower Upper
43 100
86 0.0 8.6 13.0#

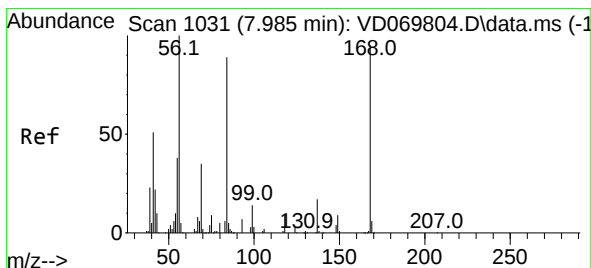
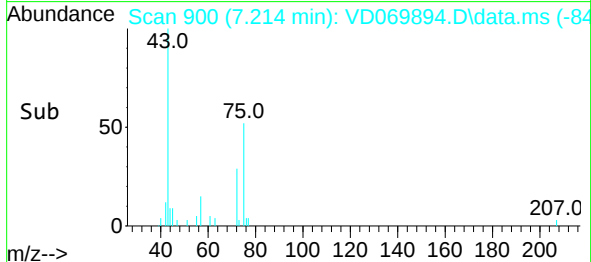
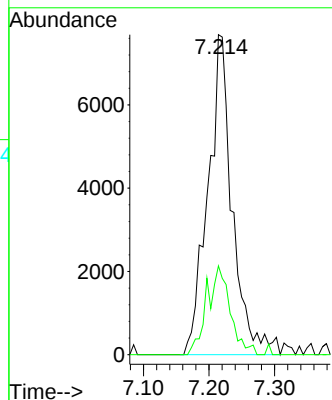
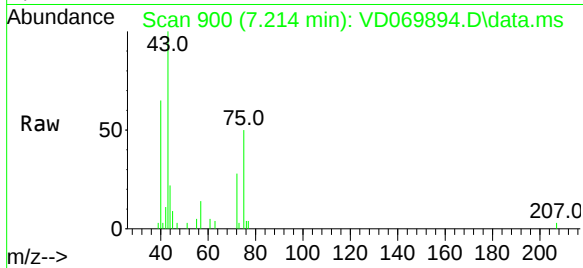




#25
2-Butanone
Concen: 10.783 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

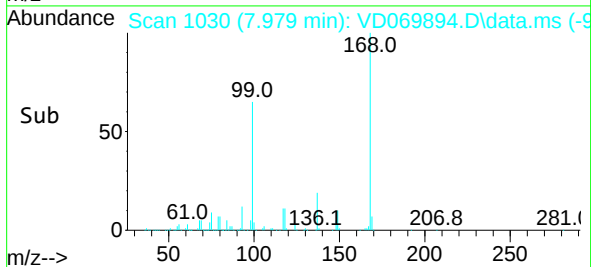
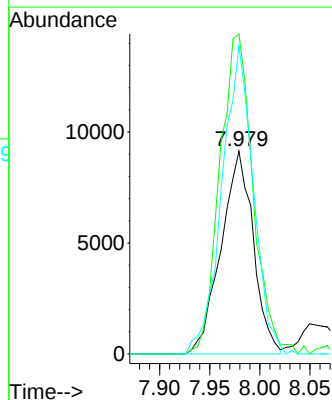
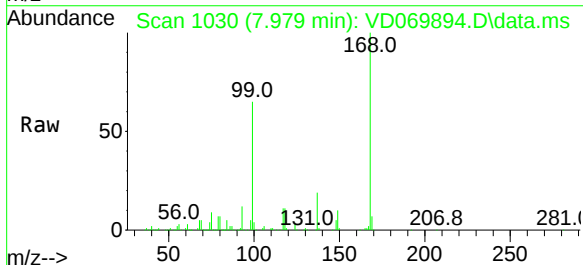
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ClientSampleId :
20210581-COM-4

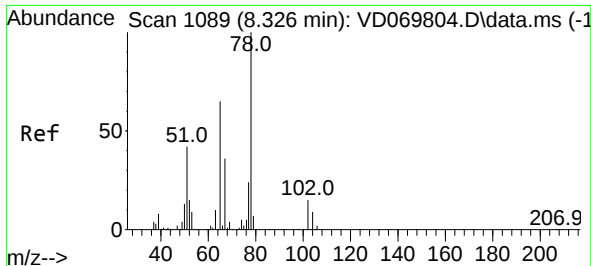
Tgt Ion: 43 Resp: 19926
Ion Ratio Lower Upper
43 100
72 27.7 22.8 34.2



#31
Cyclohexane
Concen: 1.384 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

Tgt Ion: 56 Resp: 20392
Ion Ratio Lower Upper
56 100
69 157.9 27.9 41.9#
84 152.1 71.4 107.2#

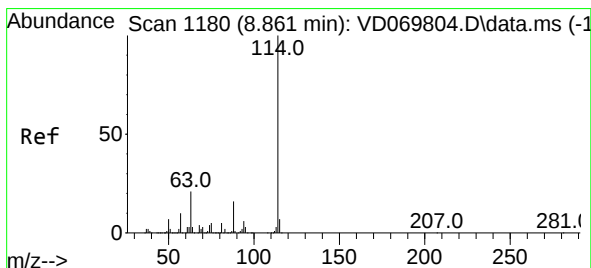
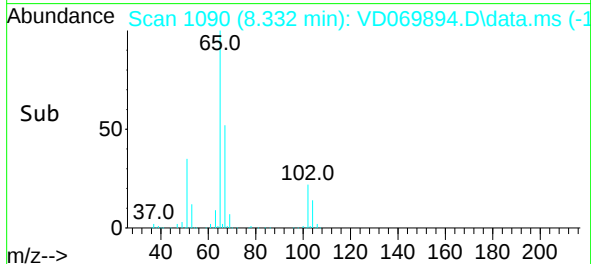
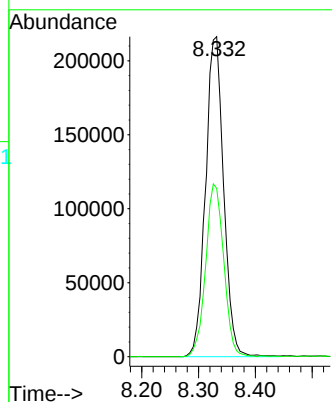
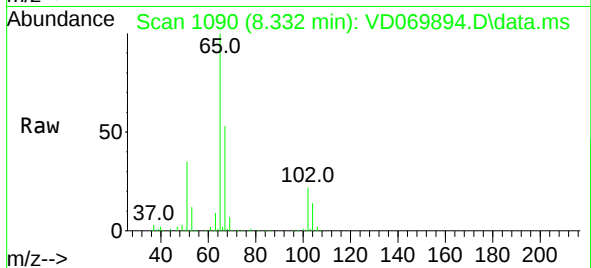




#33
1,2-Dichloroethane-d4
Concen: 63.228 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

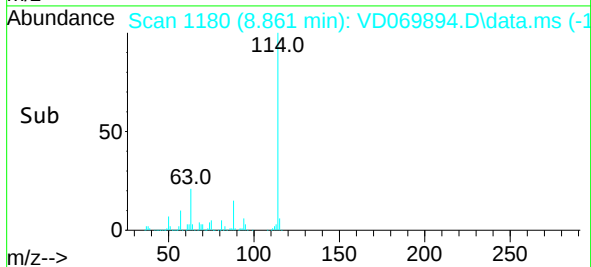
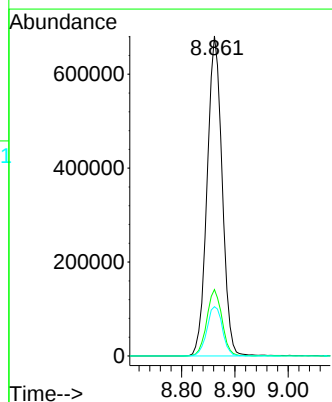
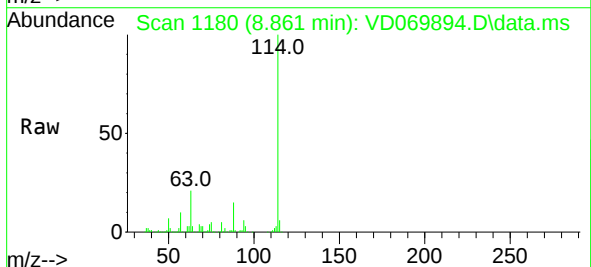
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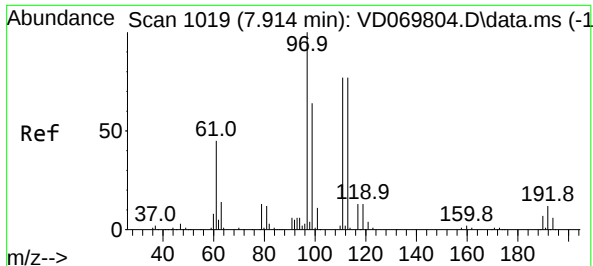
Tgt Ion: 65 Resp: 476937
Ion Ratio Lower Upper
65 100
67 53.9 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

Tgt Ion: 114 Resp: 1334314
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.6
88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.244 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069894.D

Acq: 28 Jul 2021 17:48

Tgt Ion:113 Resp: 422630

Ion Ratio Lower Upper

113 100

111 101.7 80.5 120.7

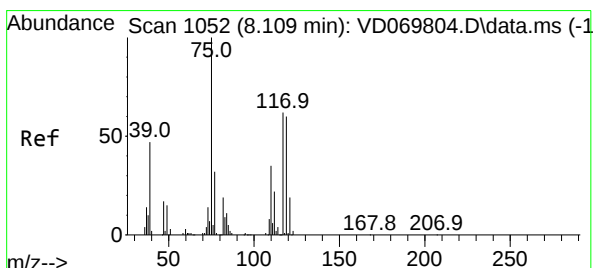
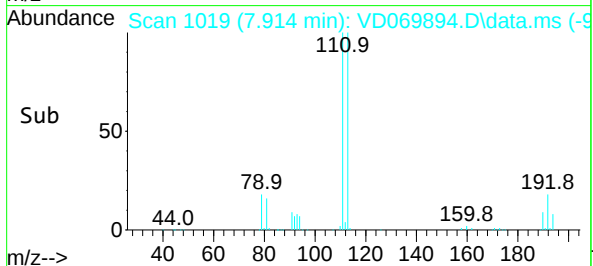
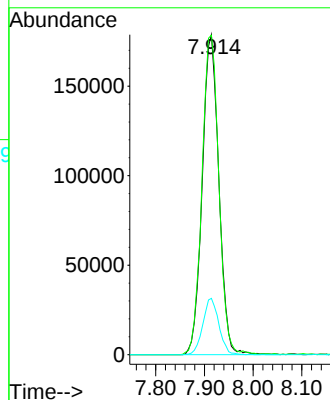
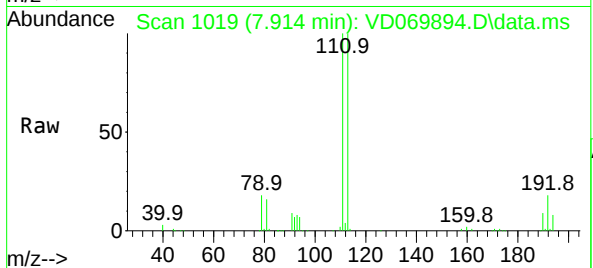
192 16.9 12.6 19.0

Instrument :

MSVOA_D

ClientSampleId :

20210581-COM-4



#36

1,1-Dichloropropene

Concen: 4.103 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD069894.D

Acq: 28 Jul 2021 17:48

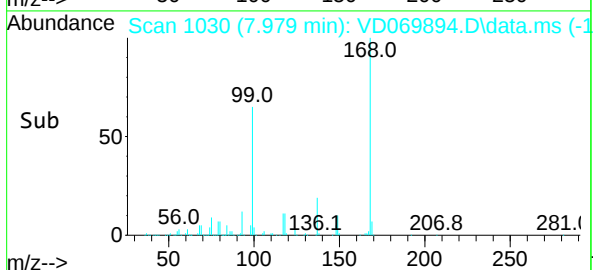
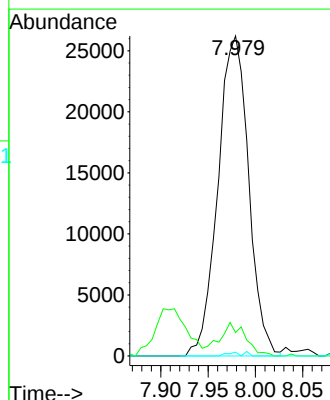
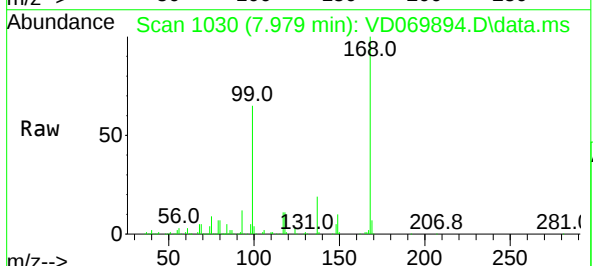
Tgt Ion: 75 Resp: 59086

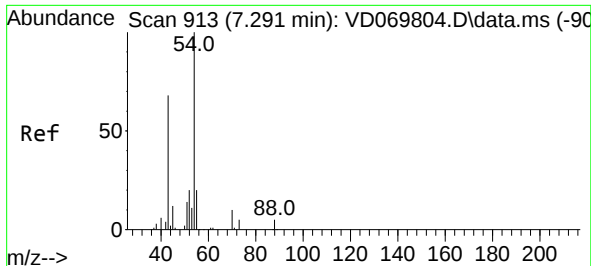
Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.7#

77 0.4 24.9 37.3#

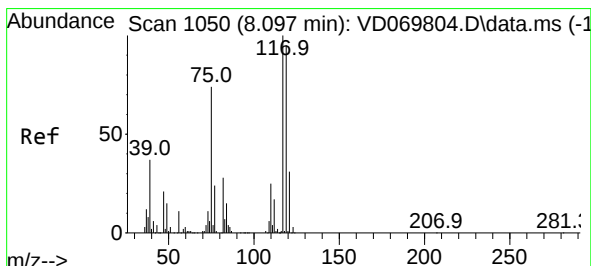
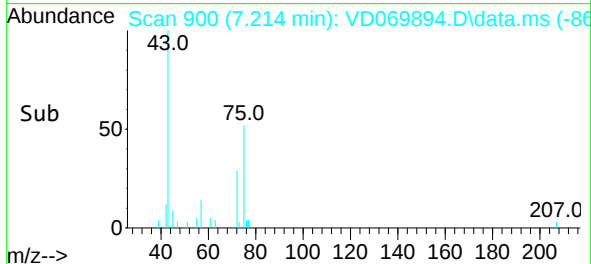
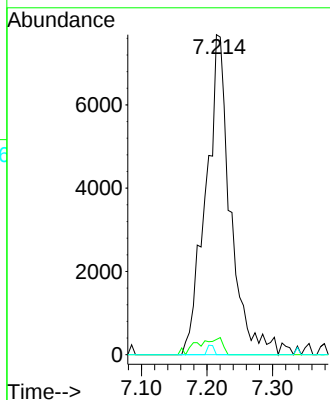
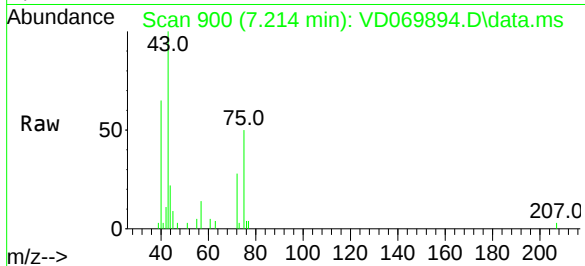




#37
Ethyl Acetate
Concen: 3.801 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

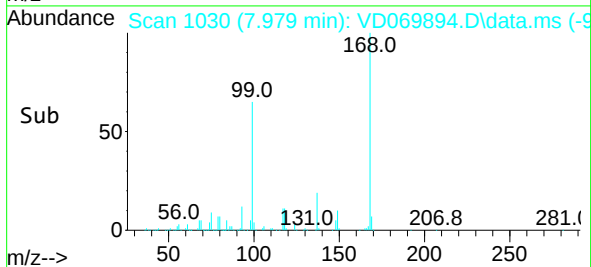
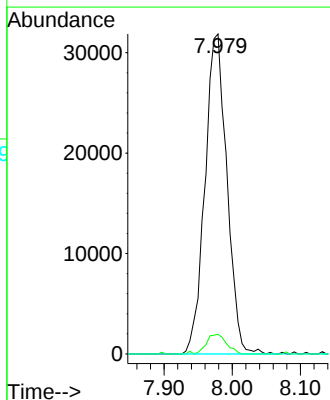
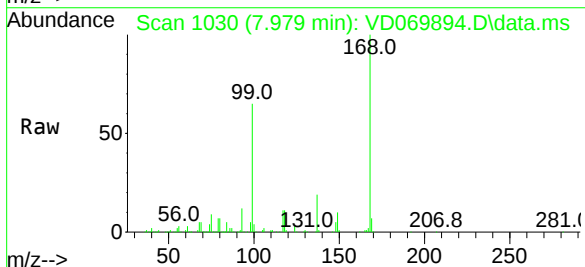
Instrument :
MSVOA_D
ClientSampleId :
20210581-COM-4

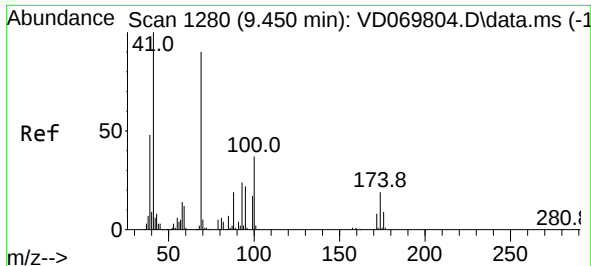
Tgt Ion:	43	Resp:	19926
Ion	Ratio	Lower	Upper
43	100		
61	3.4	11.8	17.8#
70	0.8	8.9	13.3#



#38
Carbon Tetrachloride
Concen: 5.437 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

Tgt Ion:	117	Resp:	71518
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.2	114.2#
121	0.0	24.5	36.7#

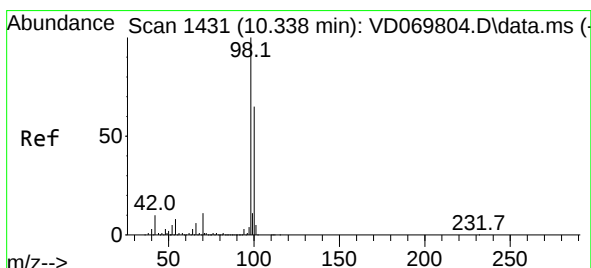
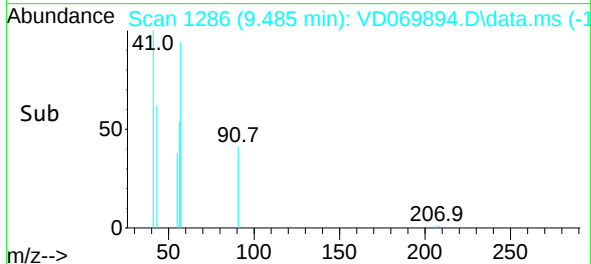
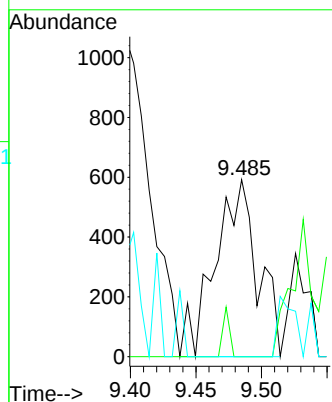
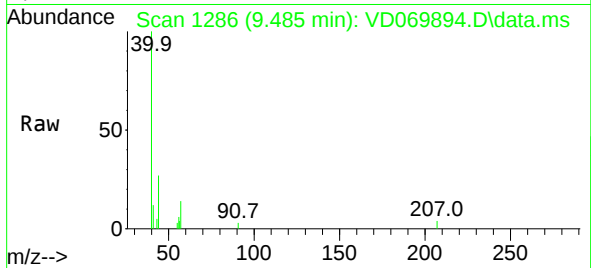




#48
Methyl methacrylate
Concen: 3.000 ug/l
RT: 9.485 min Scan# 1286
Delta R.T. 0.035 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

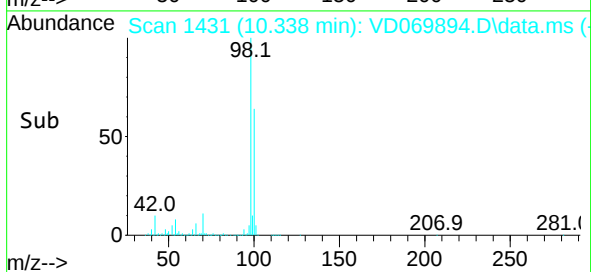
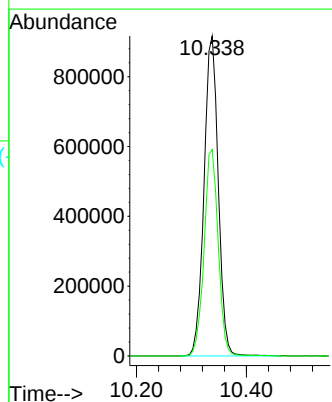
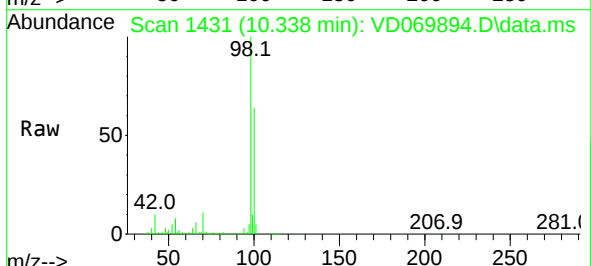
Instrument :
MSVOA_D
ClientSampleId :
20210581-COM-4

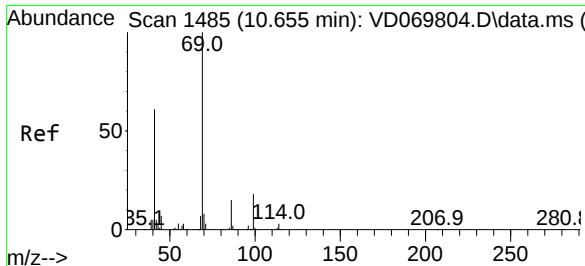
Tgt Ion: 41 Resp: 1340
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 50.781 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

Tgt Ion: 98 Resp: 1647033
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

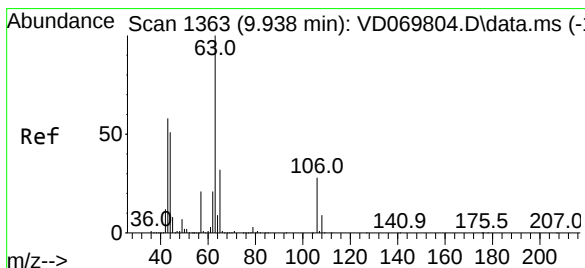
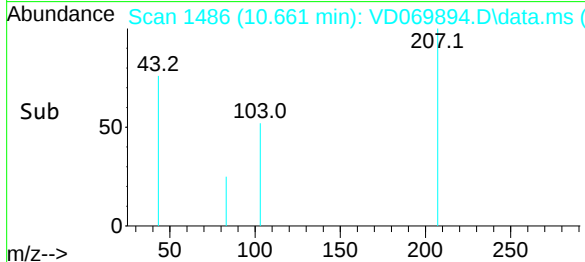
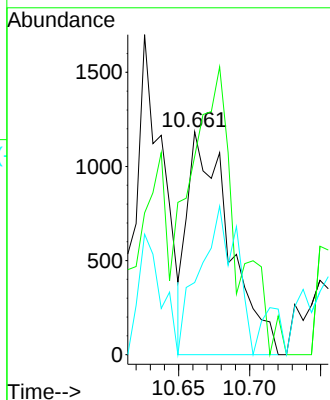
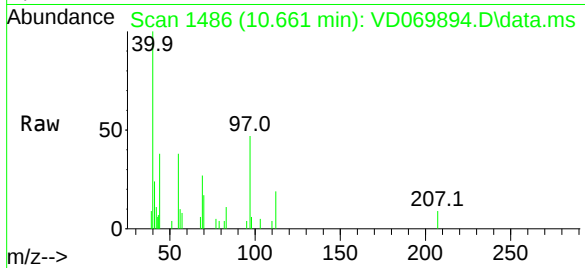




#56
Ethyl methacrylate
Concen: 4.134 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

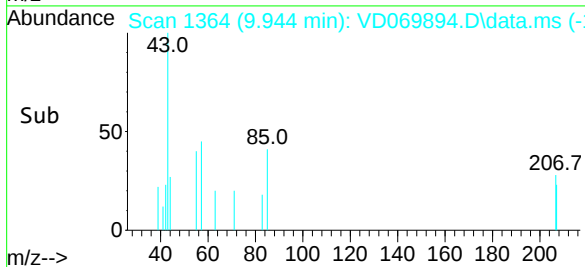
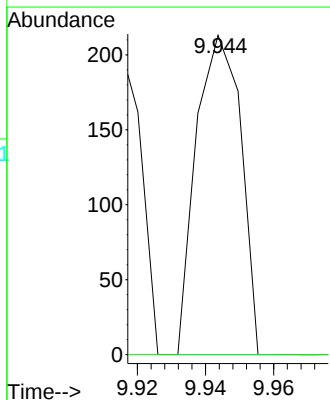
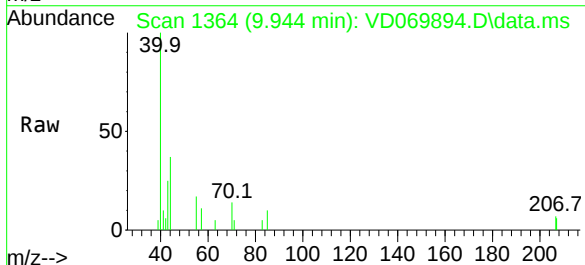
Instrument :
MSVOA_D
ClientSampleId :
20210581-COM-4

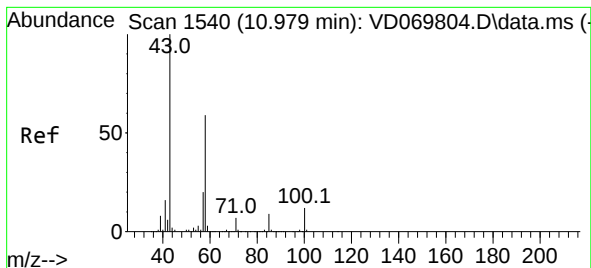
Tgt Ion: 69 Resp: 2428
Ion Ratio Lower Upper
69 100
41 143.0 50.2 75.2#
39 58.8 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.913 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

Tgt Ion: 63 Resp: 194
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

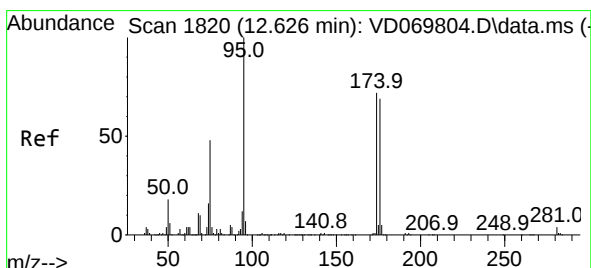
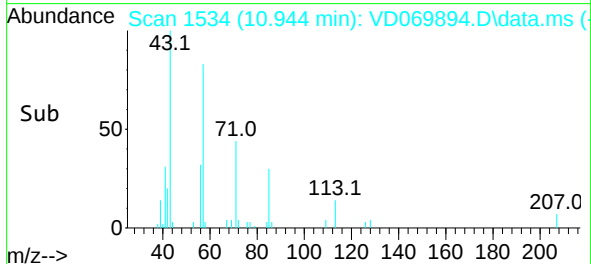
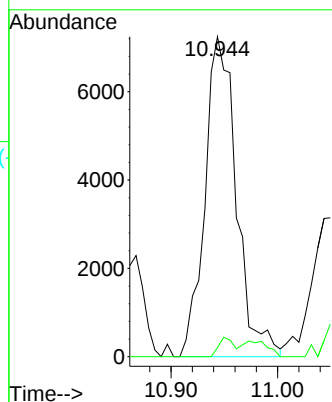
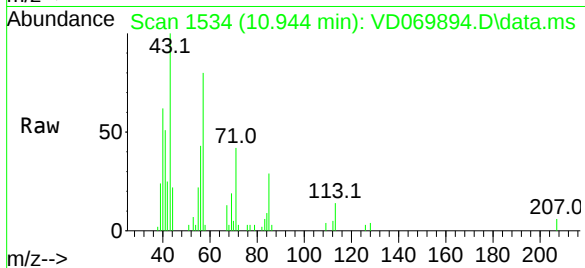




#59
2-Hexanone
Concen: 4.598 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

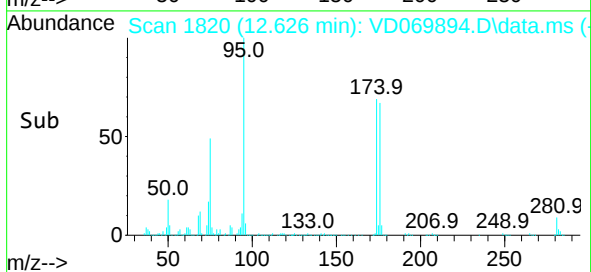
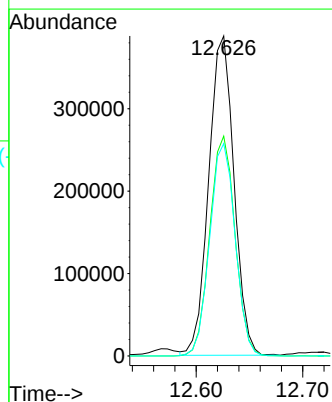
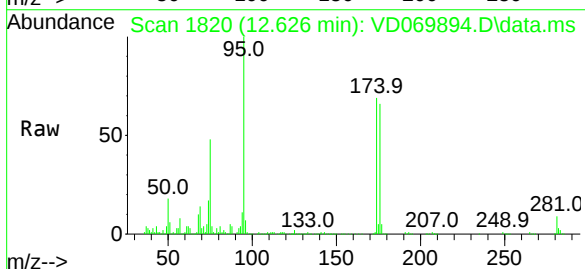
Instrument :
MSVOA_D
ClientSampleId :
20210581-COM-4

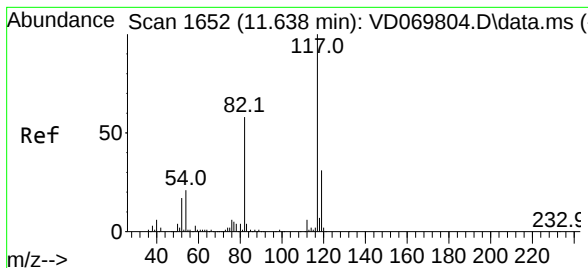
Tgt Ion: 43 Resp: 14881
Ion Ratio Lower Upper
43 100
58 2.8 29.4 88.3#



#62
4-Bromofluorobenzene
Concen: 58.986 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

Tgt Ion: 95 Resp: 639383
Ion Ratio Lower Upper
95 100
174 68.9 0.0 142.6
176 67.0 0.0 134.2

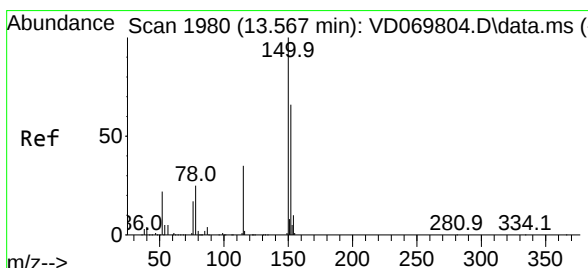
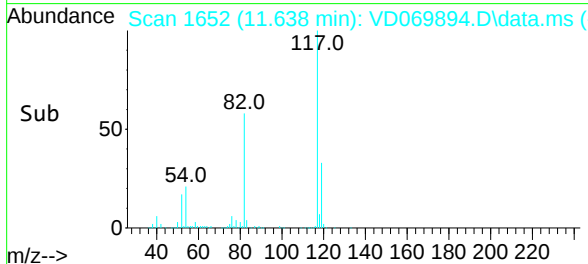
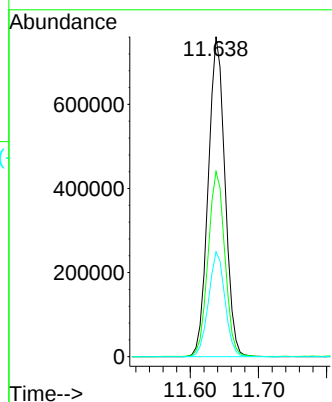
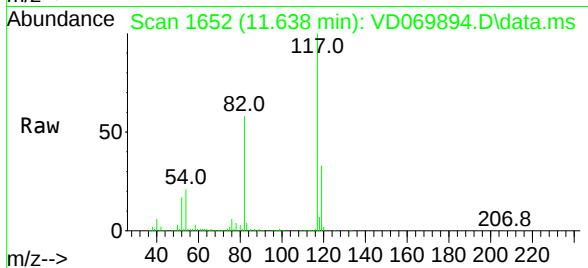




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

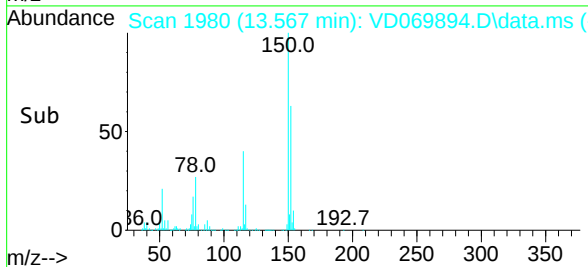
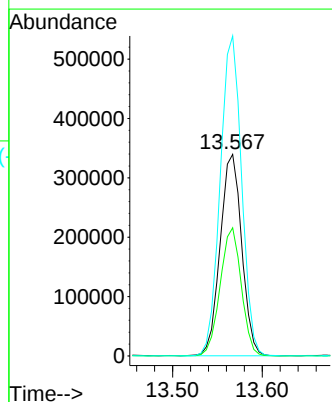
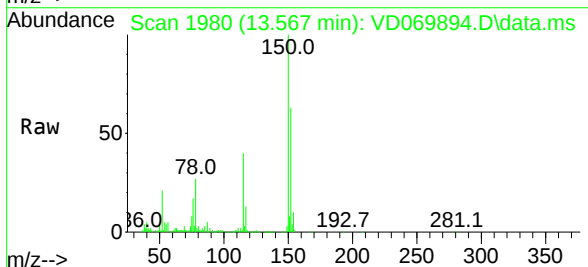
Instrument :
MSVOA_D
ClientSampleId :
20210581-COM-4

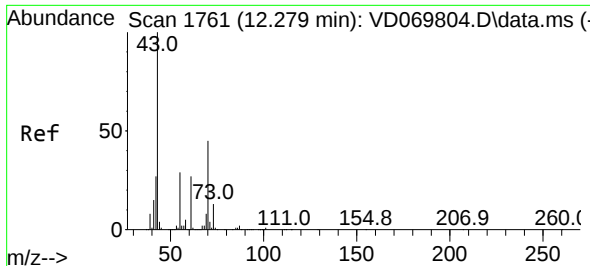
Tgt Ion:117 Resp: 1299210
Ion Ratio Lower Upper
117 100
82 57.8 46.3 69.5
119 32.8 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

Tgt Ion:152 Resp: 566434
Ion Ratio Lower Upper
152 100
115 62.3 31.1 93.3
150 157.7 0.0 343.0

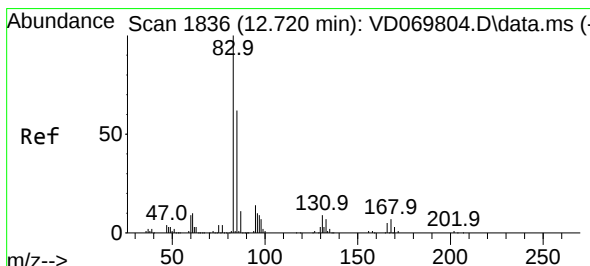
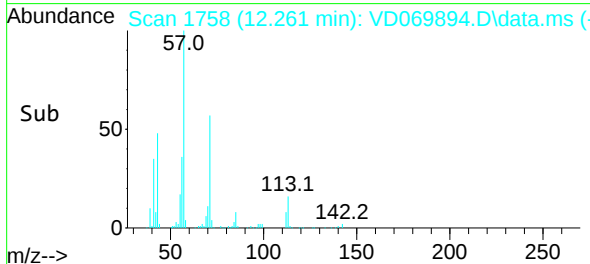
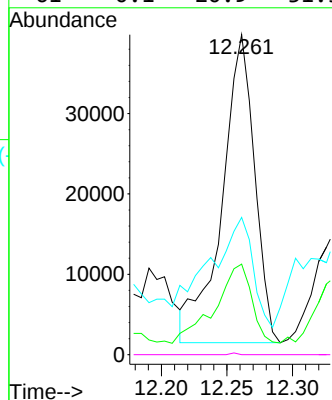
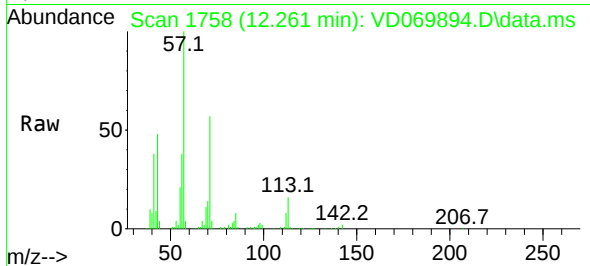




#74
N-amy1 acetate
Concen: 7.945 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

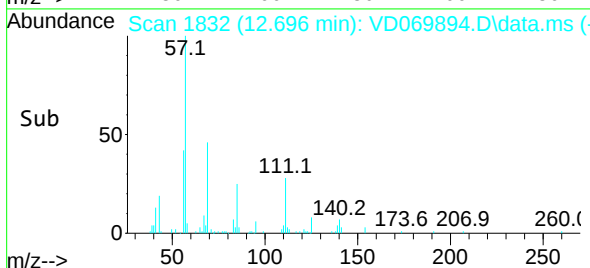
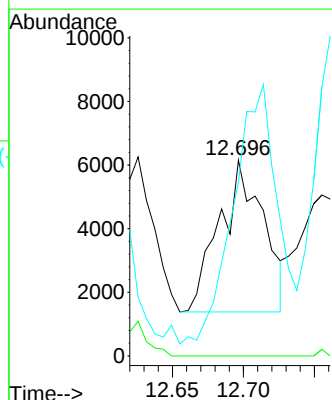
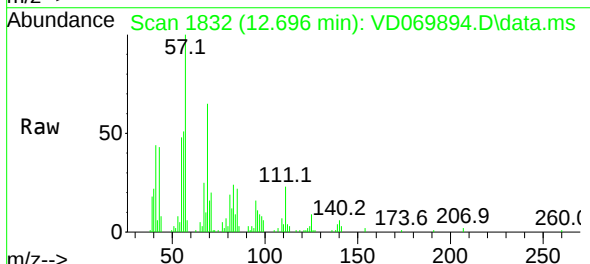
Instrument :
MSVOA_D
ClientSampleId :
20210581-COM-4

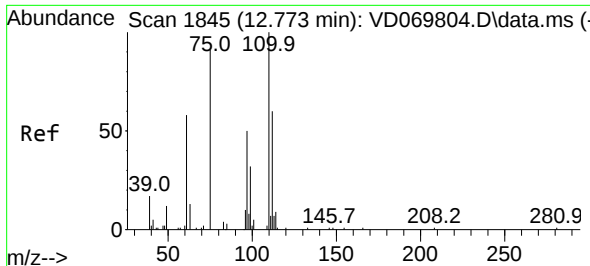
Tgt Ion: 43	Resp: 66511
Ion Ratio	Lower Upper
43 100	
70 28.4	37.9 56.9#
55 49.4	23.7 35.5#
61 0.1	20.9 31.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.267 ug/l
RT: 12.696 min Scan# 1832
Delta R.T. -0.024 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

Tgt Ion: 83	Resp: 10298
Ion Ratio	Lower Upper
83 100	
131 0.0	4.9 14.6#
85 165.6	31.8 95.4#

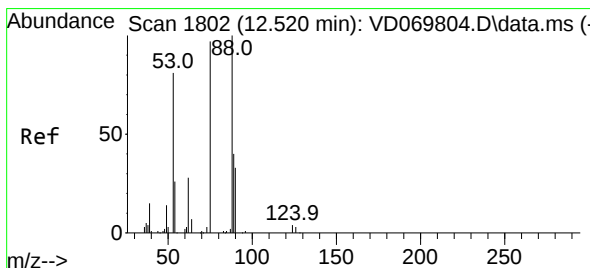
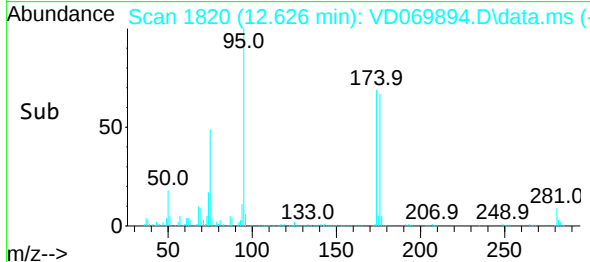
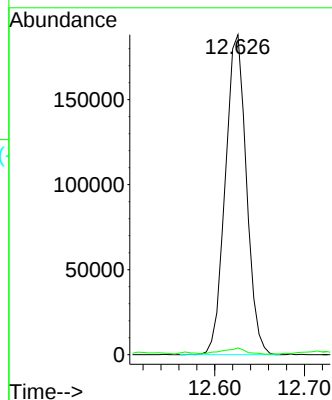
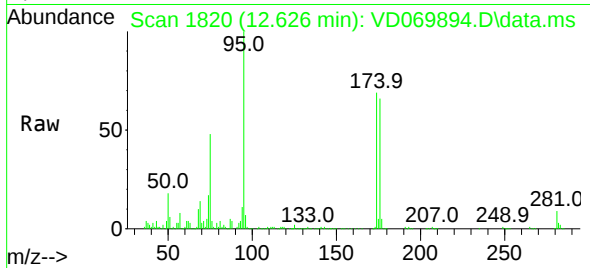




#76
1,2,3-Trichloropropane
Concen: 51.014 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

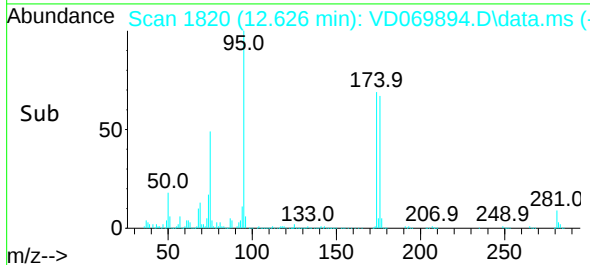
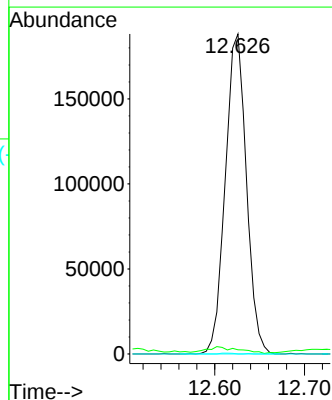
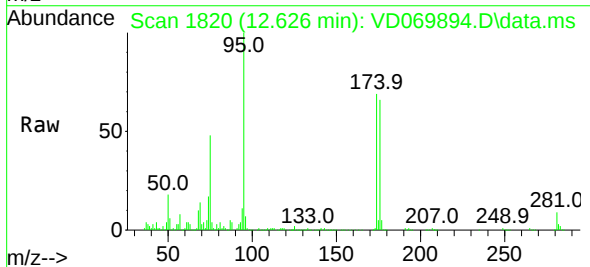
Instrument :
MSVOA_D
ClientSampleId :
20210581-COM-4

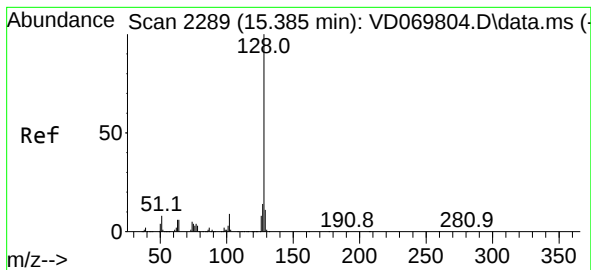
Tgt Ion: 75 Resp: 307146
Ion Ratio Lower Upper
75 100
77 2.0 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 154.764 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

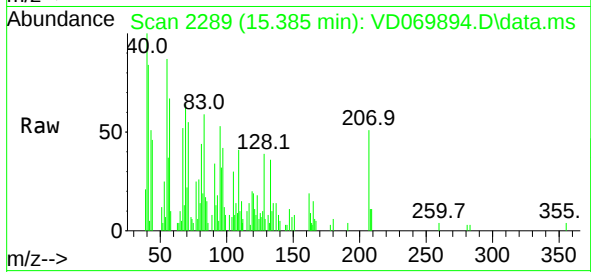
Tgt Ion: 75 Resp: 307146
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 5.202 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069894.D
Acq: 28 Jul 2021 17:48

Instrument :
MSVOA_D
ClientSampleId :
20210581-COM-4



Tgt Ion:128 Resp: 4181
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

