

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036568.D
 Acq On : 30 Mar 2021 13:44
 Operator : SY/AP
 Sample : M1797-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-01(2021)DL

Manual Integrations
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 4/1/2021 10:58:08 AM

Quant Time: Mar 31 16:31:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1249147	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3121956	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2803046	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2265305	10.14	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	136783	1.838	ppbv	85
10) Heptane	8.10	43	32424m	0.171	ppbv	
13) Ethanol	3.59	45	1052251m	118.763	ppbv	
15) Acetone	3.83	43	1543717	12.556	ppbv	98
19) Isopropyl Alcohol	3.96	45	136338	2.016	ppbv #	1
20) Methylene Chloride	4.32	84	327712	5.693	ppbv	95
26) Hexane	5.67	57	618026	4.556	ppbv #	47
29) Chloroform	5.73	83	1852247	8.539	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	32910m	0.151	ppbv	
34) 2-Butanone	5.23	43	108722	0.713	ppbv #	87
36) Benzene	6.87	78	94471	0.328	ppbv	95
40) 1,4-Dioxane	7.85	88	17050m	0.627	ppbv	
53) Toluene	9.78	91	179161	0.584	ppbv	97
58) Ethyl Benzene	12.69	91	1109860	2.722	ppbv	95
59) m/p-Xylene	12.94	91	2118384	5.956	ppbv	95
60) o-Xylene	13.67	91	635624	1.848	ppbv	99

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

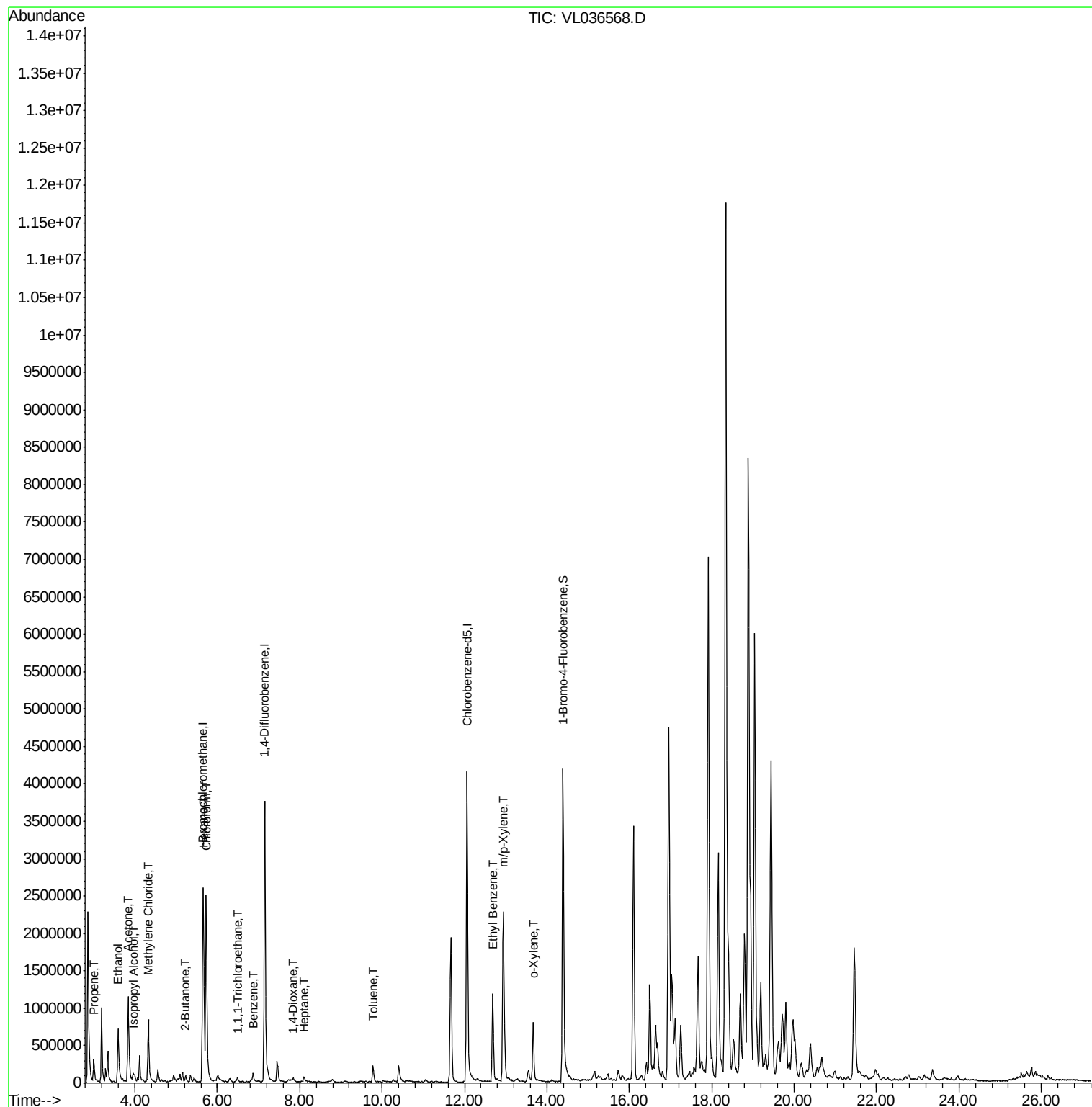
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL033021\
Data File : VL036568.D
Acq On : 30 Mar 2021 13:44
Operator : SY/AP
Sample : M1797-01DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

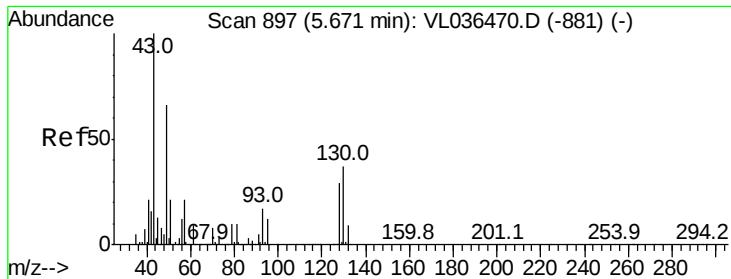
Instrument :
MSVOA_L
ClientSampleId :
MF-SG-01(2021)DL

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Quant Time: Mar 31 16:31:57 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.03 min

Lab File: VL036568.D

Acq: 30 Mar 2021 13:44

Instrument :

MSVOA_L

ClientSampleId :

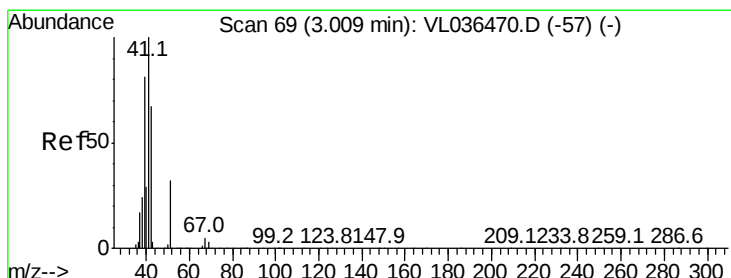
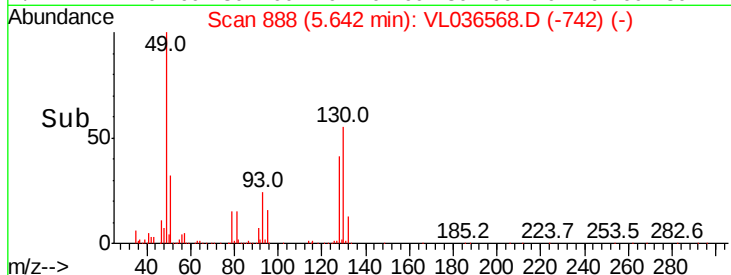
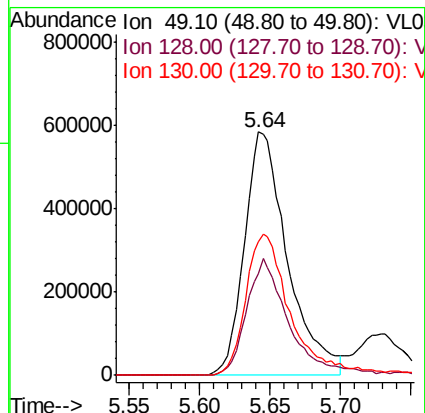
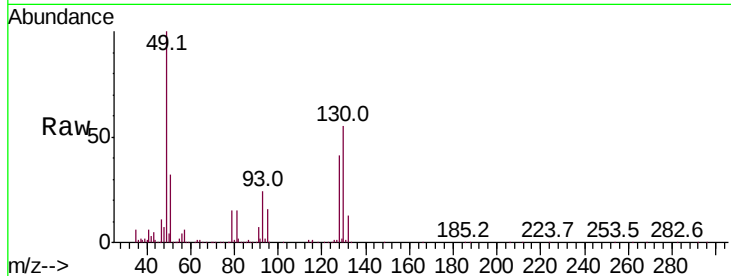
MF-SG-01(2021)DL

Tot Ion: 49 Resp: 1249147

Ion	Ratio	Lower	Upper
49	100		
128	48.9	23.5	70.6
130	62.1	29.1	87.4

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#9

Propene

Concen: 1.838 ppbv

RT: 3.00 min Scan# 66

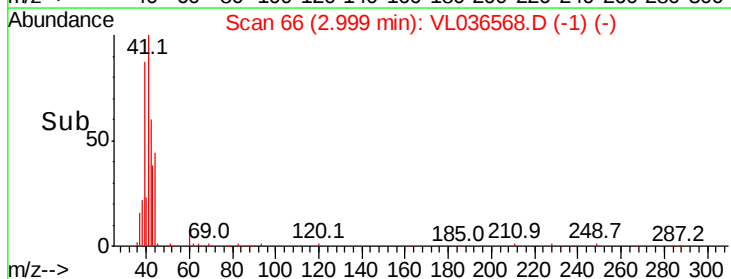
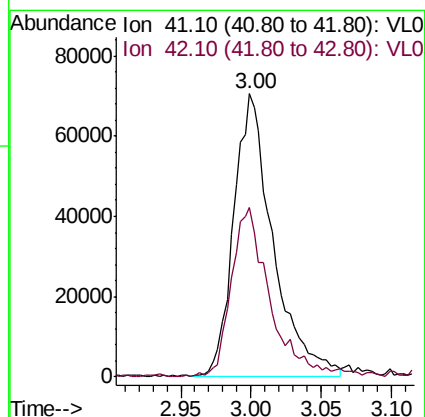
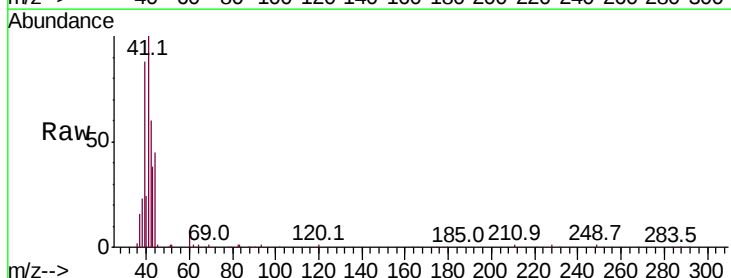
Delta R.T. -0.01 min

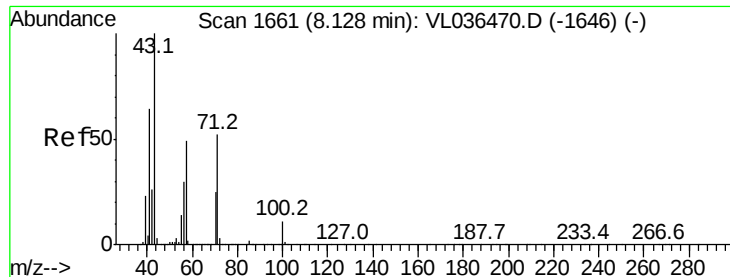
Lab File: VL036568.D

Acq: 30 Mar 2021 13:44

Tgt Ion: 41 Resp: 136783

Ion	Ratio	Lower	Upper
41	100		
42	58.5	57.0	85.4





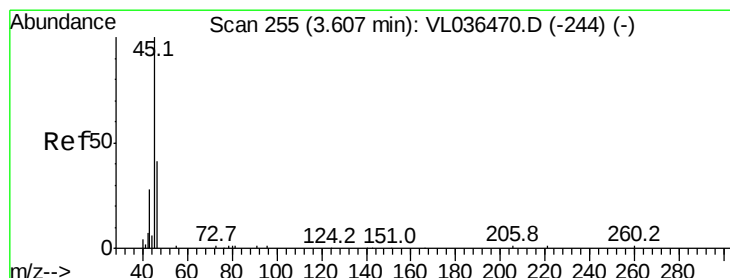
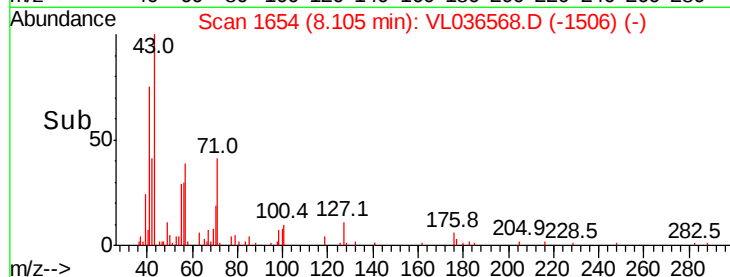
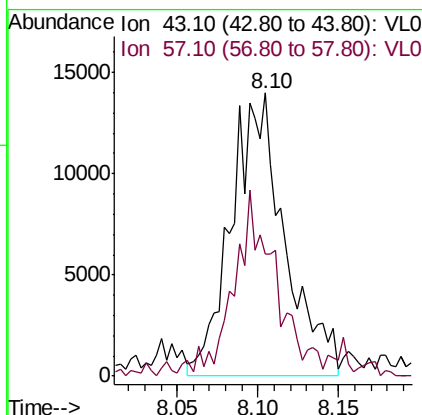
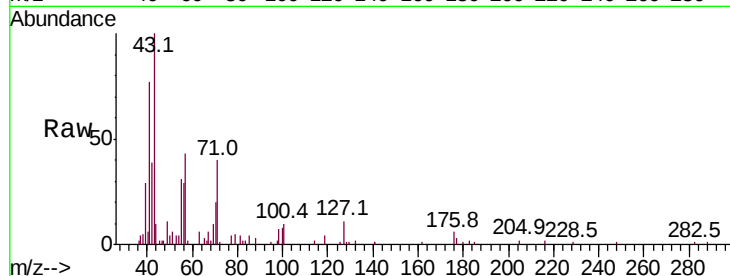
#10
Heptane
Concen: 0.171 ppbv m
RT: 8.10 min Scan# 1654
Delta R.T. -0.02 min
Lab File: VL036568.D
Acq: 30 Mar 2021 13:44

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-01(2021)DL

Tot Ion: 43 Resp: 32424
Ion Ratio Lower Upper
43 100
57 0.0 39.0 58.6#

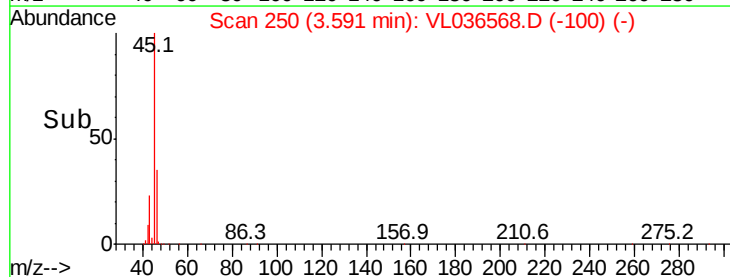
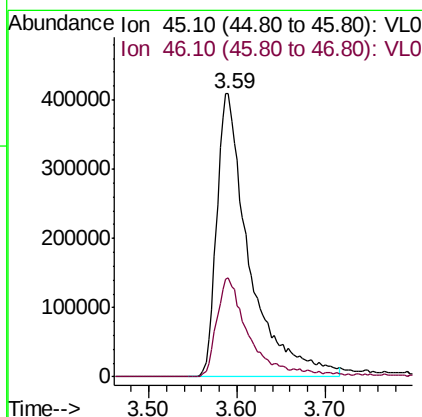
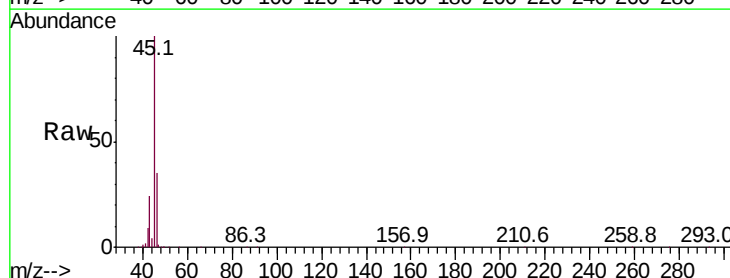
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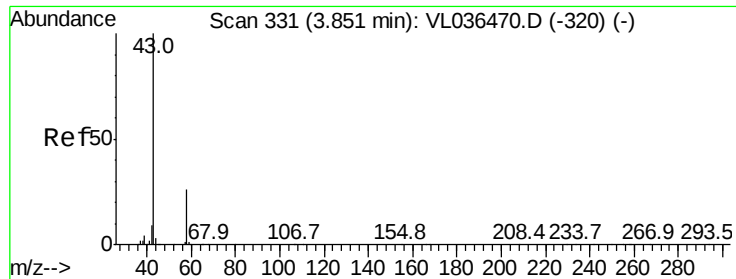
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#13
Ethanol
Concen: 118.763 ppbv m
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL036568.D
Acq: 30 Mar 2021 13:44

Tgt Ion: 45 Resp: 1052251
Ion Ratio Lower Upper
45 100
46 35.9 16.6 66.2





#15

Acetone

Concen: 12.556 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.02 min

Lab File: VL036568.D

Acq: 30 Mar 2021 13:44

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-01(2021)DL

Tot Ion: 43 Resp: 1543717

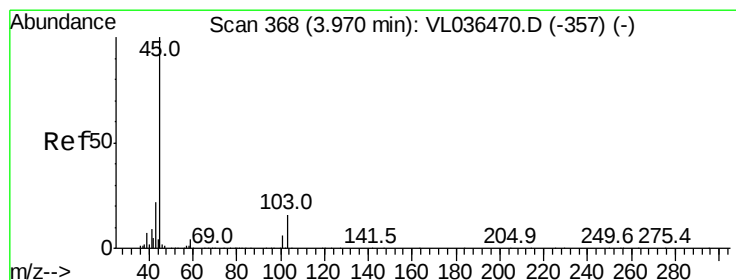
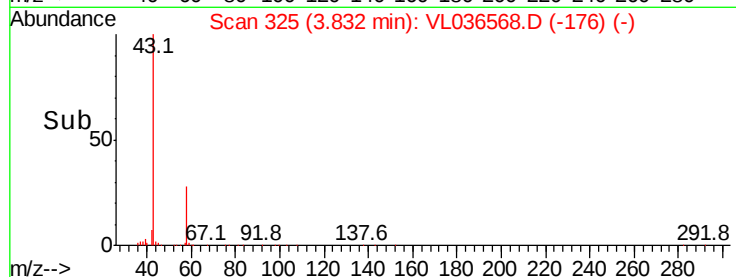
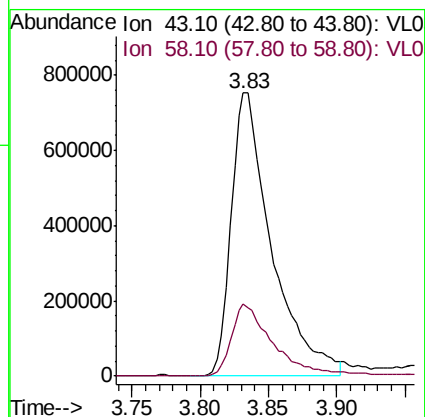
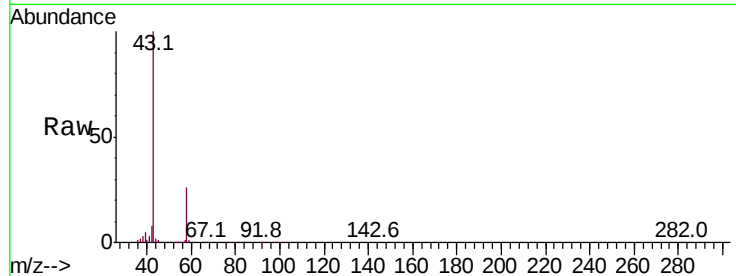
Ion Ratio Lower Upper

43 100

58 27.6 21.2 31.8

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#19

Isopropyl Alcohol

Concen: 2.016 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VL036568.D

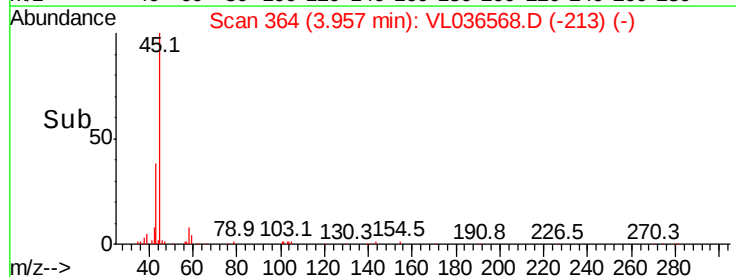
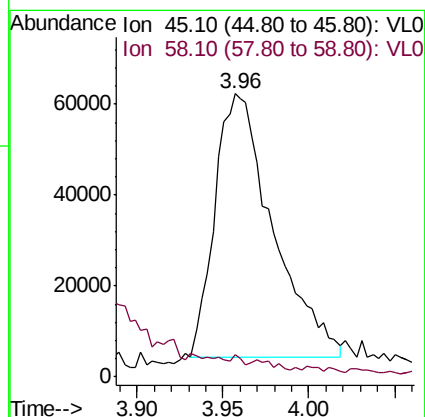
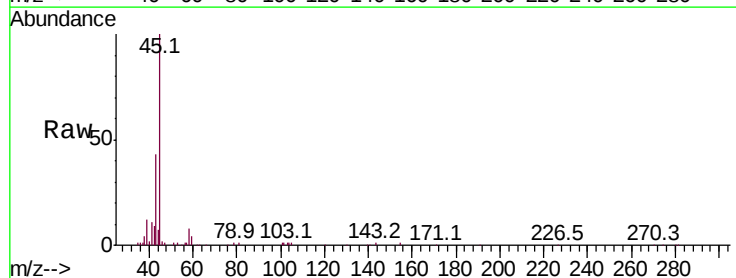
Acq: 30 Mar 2021 13:44

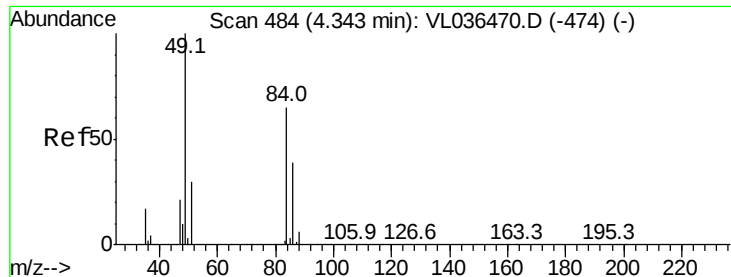
Tgt Ion: 45 Resp: 136338

Ion Ratio Lower Upper

45 100

58 314.2 2.9 4.3#





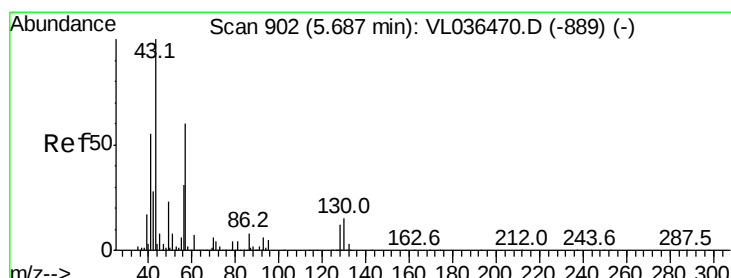
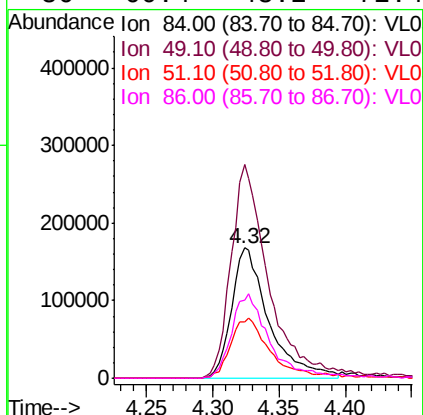
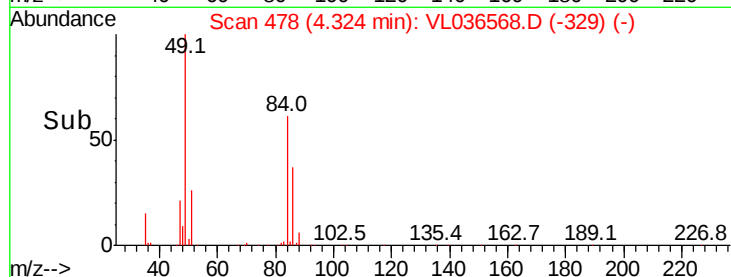
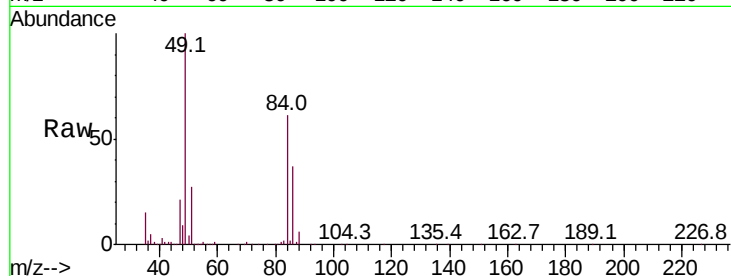
#20
Methvlene Chloride
Concen: 5.693 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036568.D
Acq: 30 Mar 2021 13:44

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-01(2021)DL

Tot Ion	84	Resp	327712
Ion	Ratio	Lower	Upper
84	100		
49	163.6	122.9	184.3
51	43.6	36.9	55.3
86	60.4	48.2	72.4

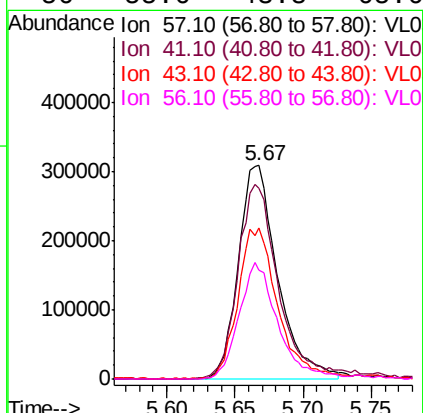
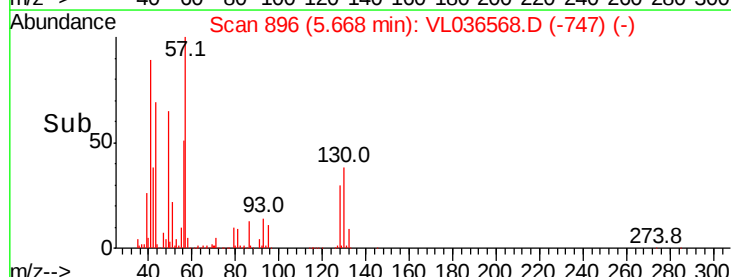
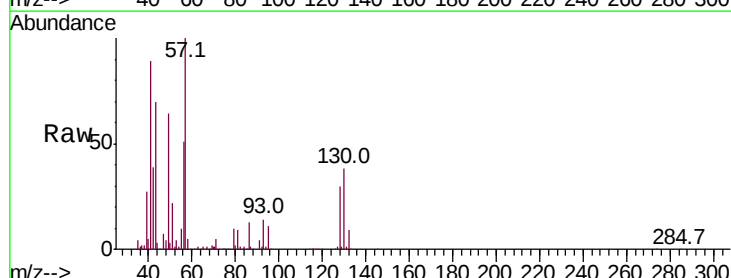
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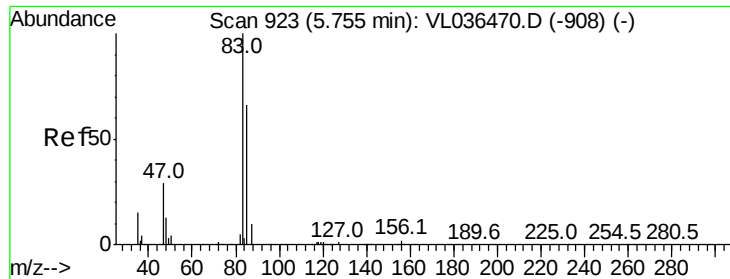
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#26
Hexane
Concen: 4.556 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036568.D
Acq: 30 Mar 2021 13:44

Tgt Ion	57	Resp	618026
Ion	Ratio	Lower	Upper
57	100		
41	96.8	77.2	115.8
43	73.4	173.8	260.6#
56	55.6	43.8	65.6





#29

Chloroform

Concen: 8.539 ppbv

RT: 5.73 min Scan# 915

Delta R.T. -0.03 min

Lab File: VL036568.D

Acq: 30 Mar 2021 13:44

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-01(2021)DL

Tot Ion: 83 Resp: 1852247

Ion Ratio Lower Upper

83 100

85 67.2

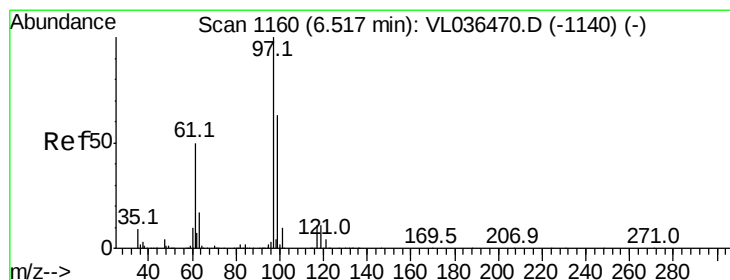
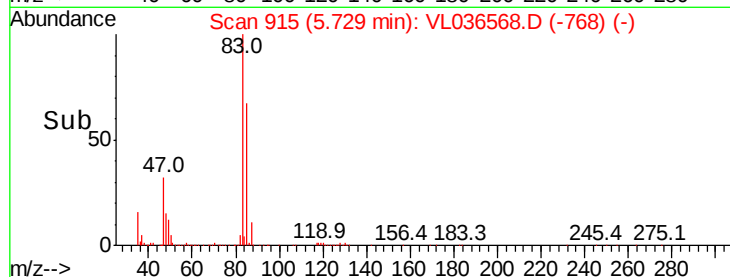
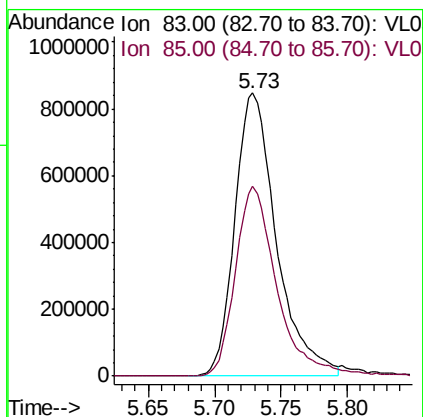
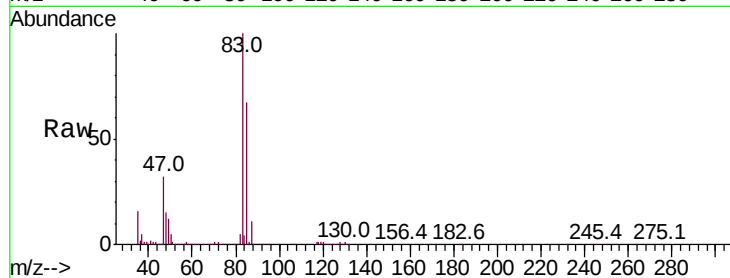
52.6

78.8

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#32

1,1,1-Trichloroethane

Concen: 0.151 ppbv m

RT: 6.49 min Scan# 1153

Delta R.T. -0.02 min

Lab File: VL036568.D

Acq: 30 Mar 2021 13:44

Tgt Ion: 97 Resp: 32910

Ion Ratio Lower Upper

97 100

99 0.0

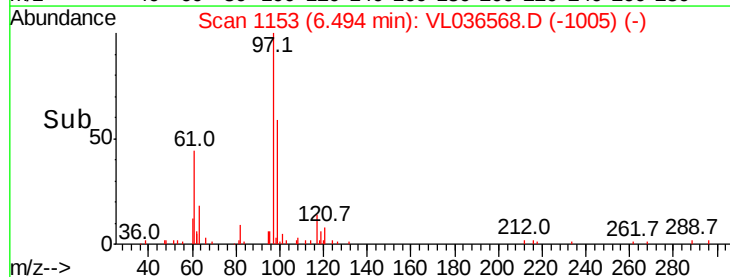
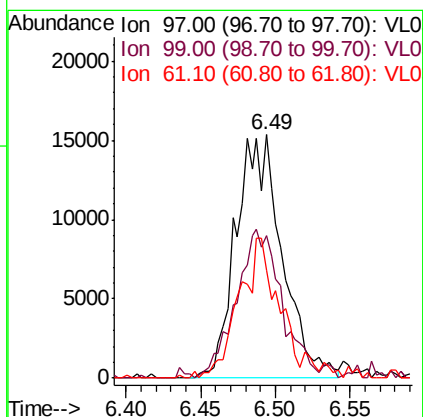
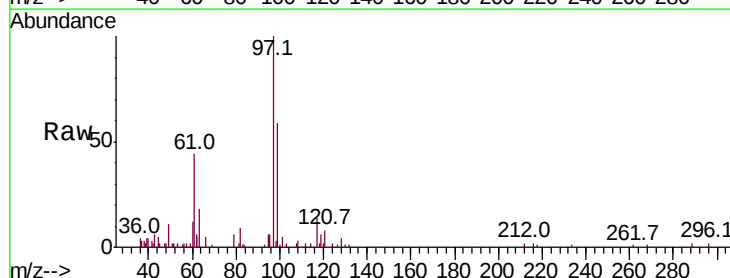
51.4

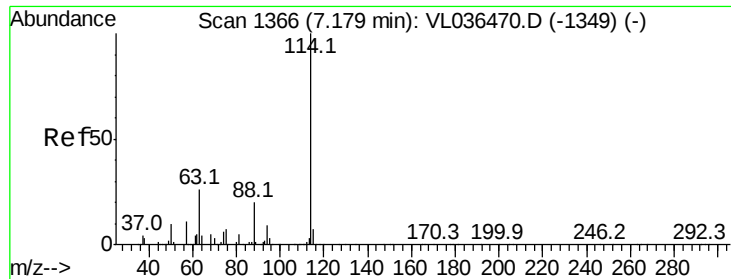
77.0#

61 0.0

40.6

60.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.03 min

Lab File: VL036568.D

Acq: 30 Mar 2021 13:44

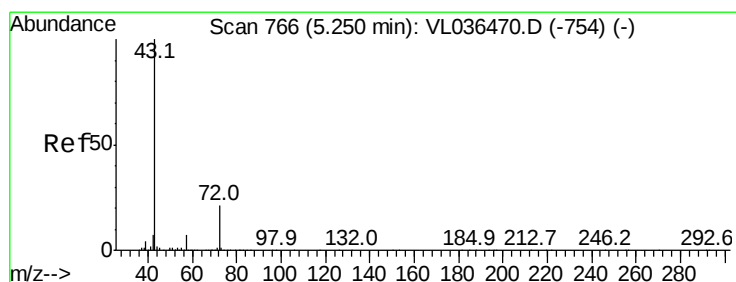
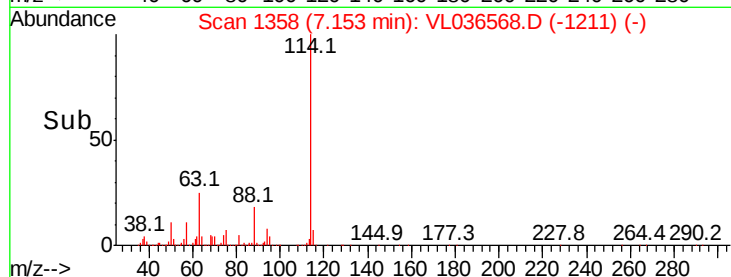
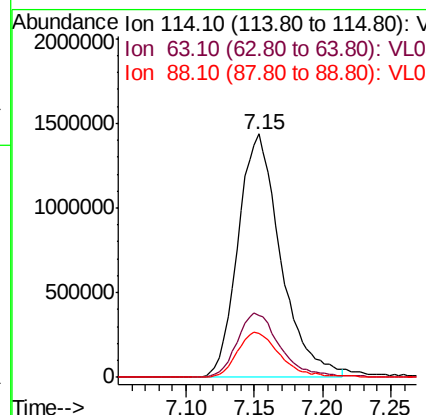
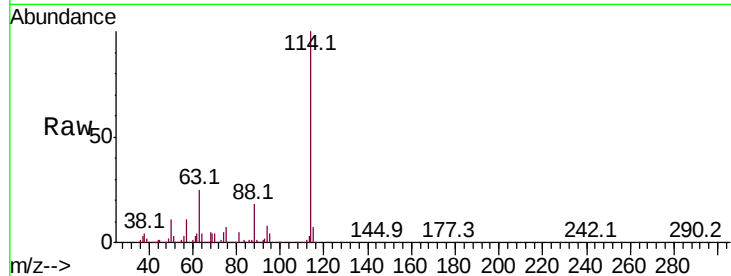
Instrument :
MSVOA_L

ClientSampleId :
MF-SG-01(2021)DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.4	33.6
88	19.0	15.4	23.0

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#34

2-Butanone

Concen: 0.713 ppbv

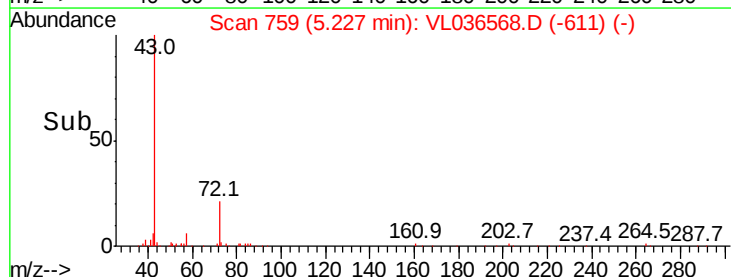
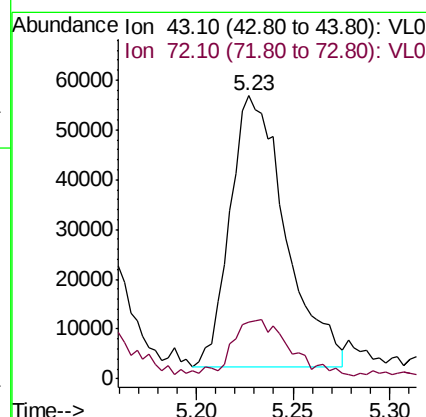
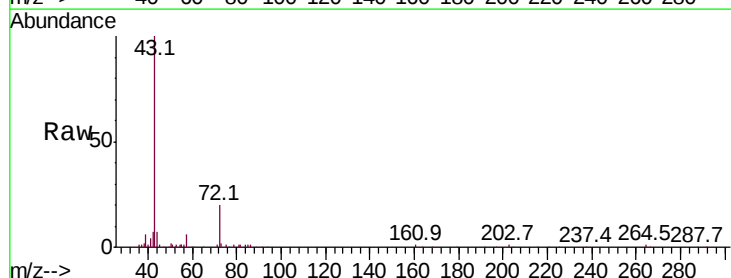
RT: 5.23 min Scan# 759

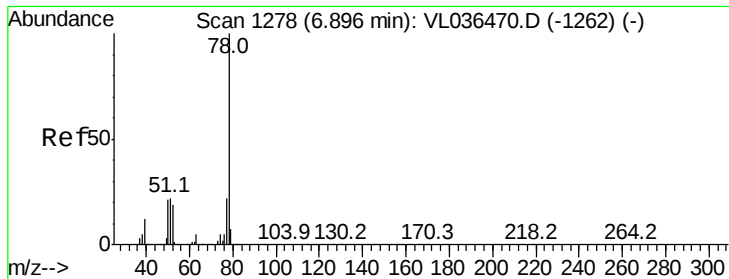
Delta R.T. -0.02 min

Lab File: VL036568.D

Acq: 30 Mar 2021 13:44

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.2	17.0	25.6#





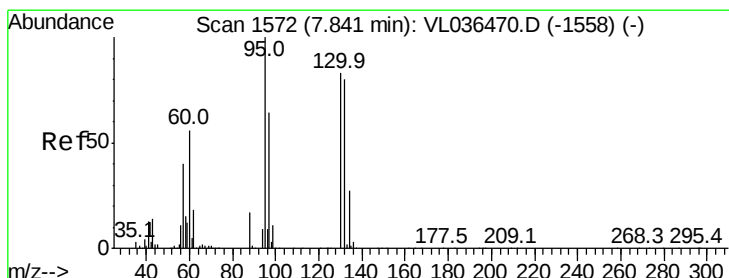
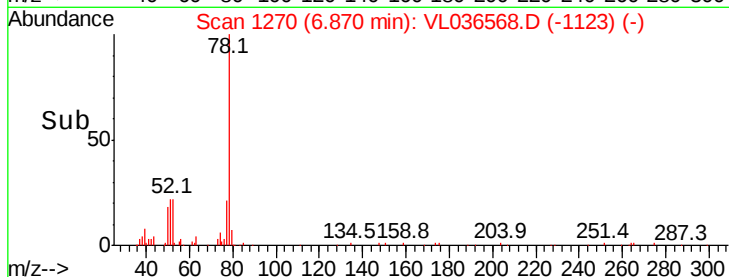
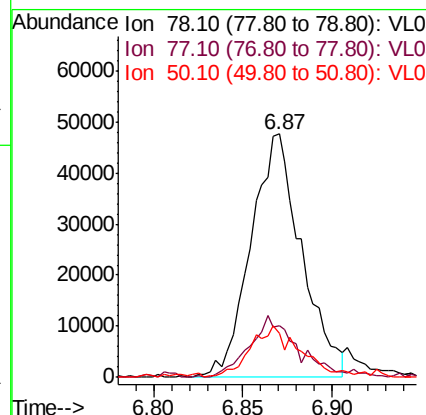
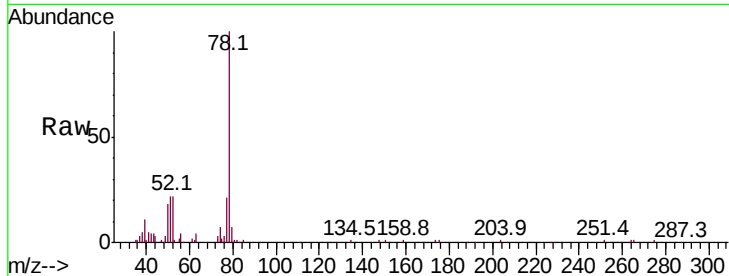
#36
Benzene
Concen: 0.328 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.03 min
Lab File: VL036568.D
Acq: 30 Mar 2021 13:44

Instrument :
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MF-SG-01(2021)DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	21.1	18.0	27.0
50	17.2	16.5	24.7

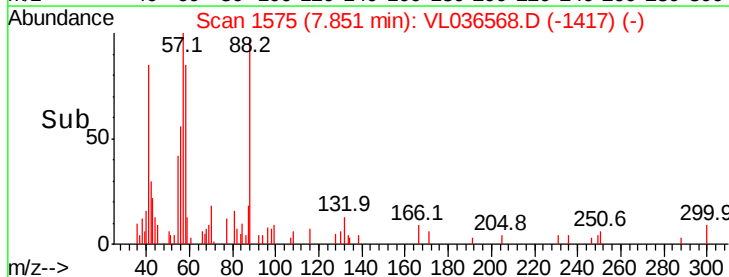
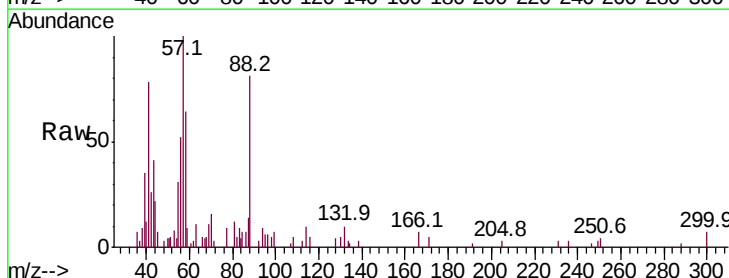
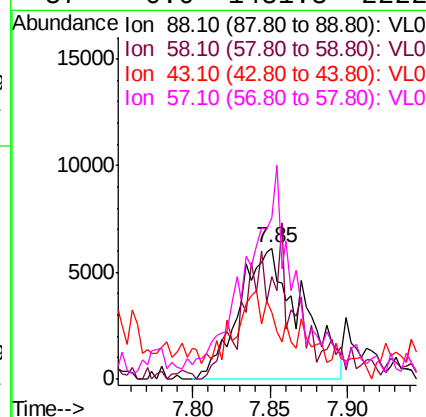
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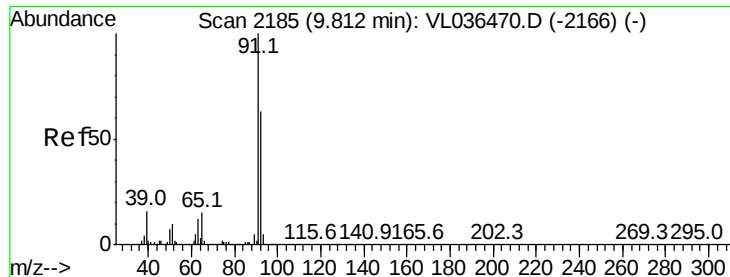
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#40
1,4-Dioxane
Concen: 0.627 ppbv m
RT: 7.85 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VL036568.D
Acq: 30 Mar 2021 13:44

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	134.1	201.1#
43	59.3	346.6	520.0#
57	0.0	1481.8	2222.8#





#53

Toluene

Concen: 0.584 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.03 min

Lab File: VL036568.D

Acq: 30 Mar 2021 13:44

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-01(2021)DL

Tot Ion: 91 Resp: 179161

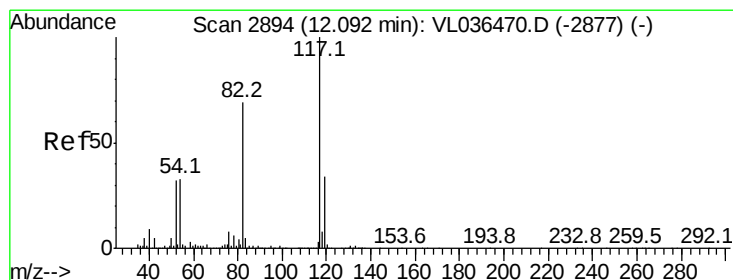
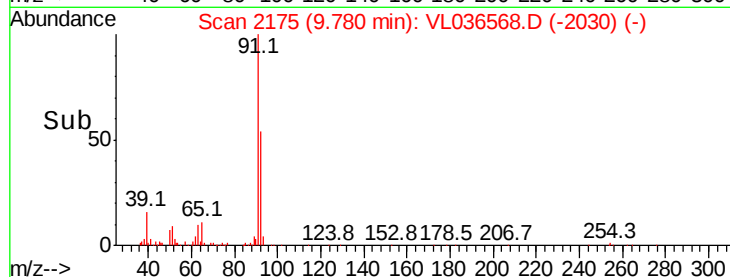
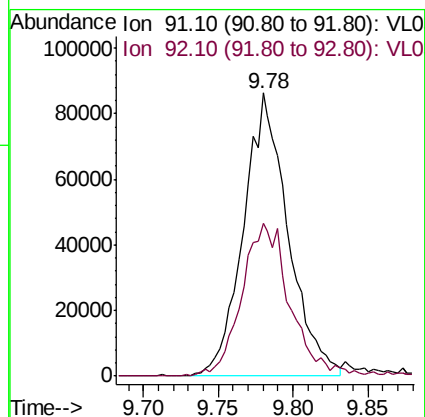
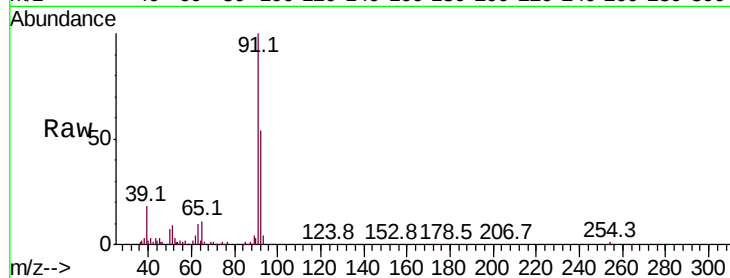
Ion Ratio Lower Upper

91 100

92 58.7 48.8 73.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.03 min

Lab File: VL036568.D

Acq: 30 Mar 2021 13:44

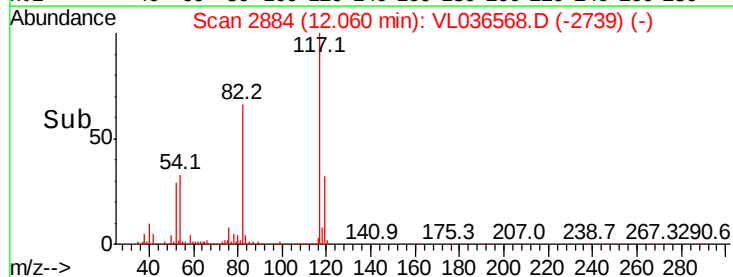
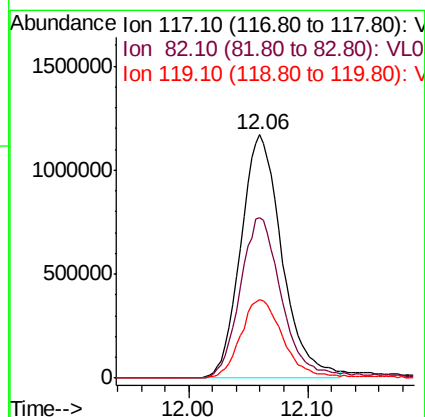
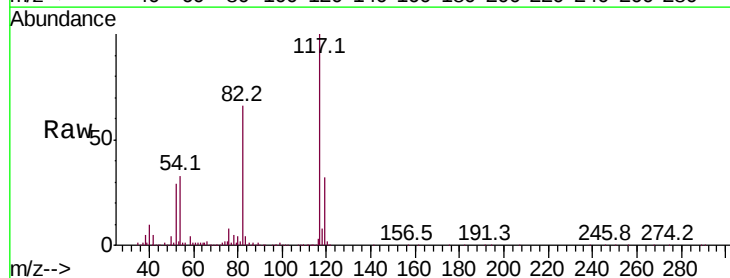
Tgt Ion: 117 Resp: 2803046

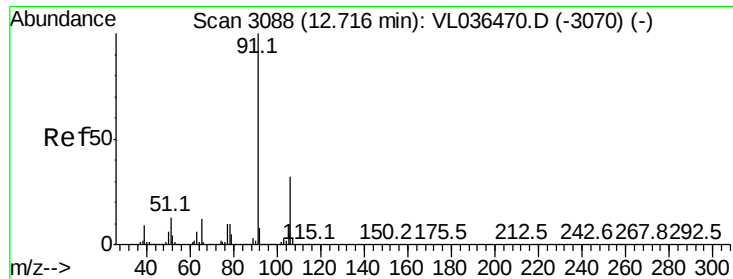
Ion Ratio Lower Upper

117 100

82 69.4 57.4 86.0

119 34.1 47.4 71.0#





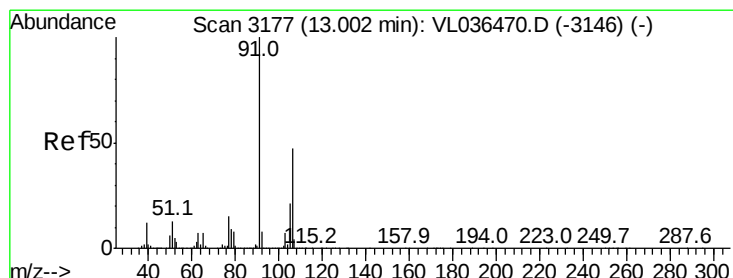
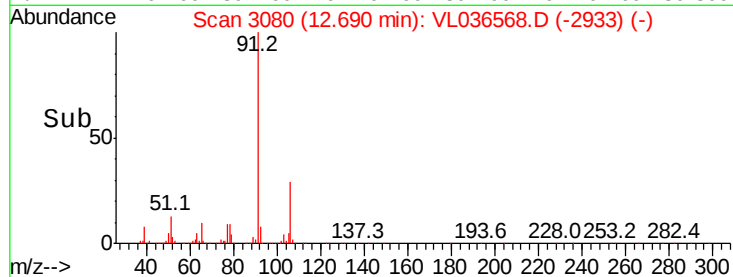
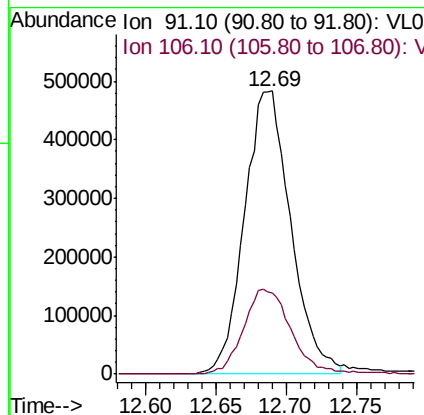
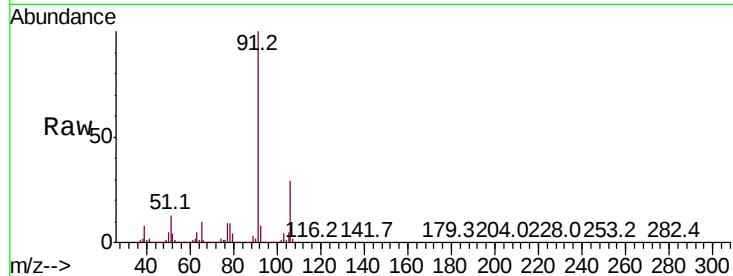
#58
Ethyl Benzene
Concen: 2.722 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.03 min
Lab File: VL036568.D
Acq: 30 Mar 2021 13:44

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-01(2021)DL

Tot Ion: 91 Resp: 1109860
Ion Ratio Lower Upper
91 100
106 28.7 25.3 37.9

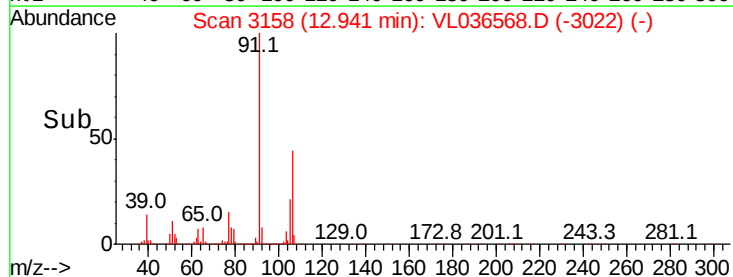
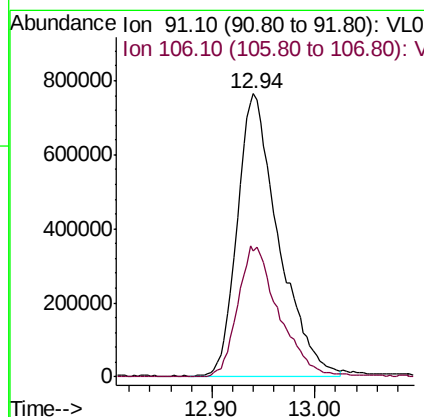
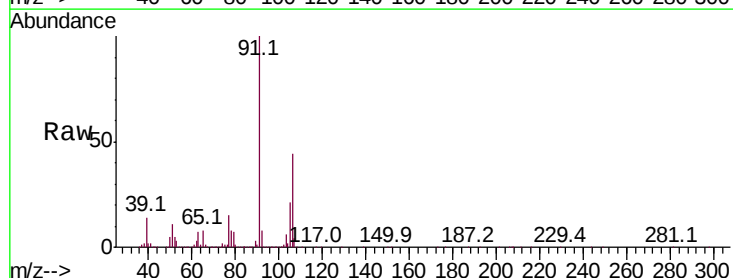
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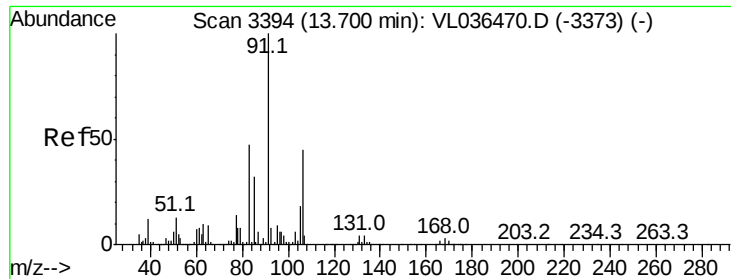
MMDadoda
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#59
m/p-Xylene
Concen: 5.956 ppbv
RT: 12.94 min Scan# 3158
Delta R.T. -0.06 min
Lab File: VL036568.D
Acq: 30 Mar 2021 13:44

Tgt Ion: 91 Resp: 2118384
Ion Ratio Lower Upper
91 100
106 47.2 35.3 52.9





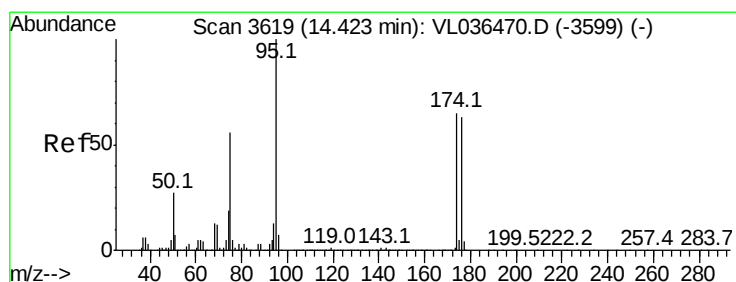
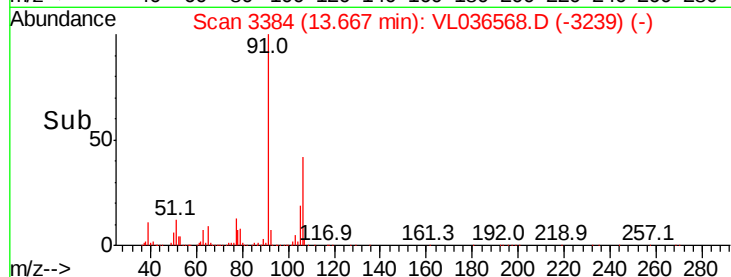
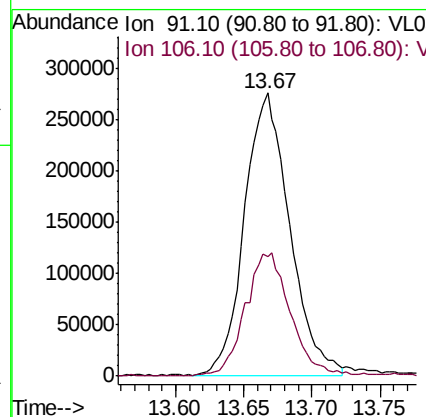
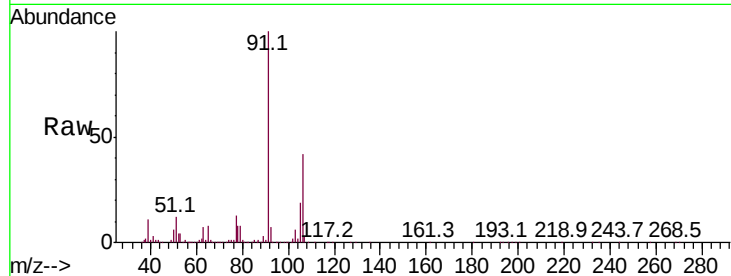
#60
o-Xylene
Concen: 1.848 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.03 min
Lab File: VL036568.D
Acq: 30 Mar 2021 13:44

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-01(2021)DL

Tot Ion: 91 Resp: 635624
Ion Ratio Lower Upper
91 100
106 43.8 22.3 66.9

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.140 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.03 min
Lab File: VL036568.D
Acq: 30 Mar 2021 13:44

Tgt Ion: 95 Resp: 2265305
Ion Ratio Lower Upper
95 100
174 67.1 51.0 76.6
175 4.9 3.9 5.9

