

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036738.D
 Acq On : 7 Apr 2021 22:40
 Operator : SY/AP
 Sample : M1929-07DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV01DL

Manual Integrations
 APPROVED

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 4/12/2021 11:16:23 AM

Quant Time: Apr 10 23:21:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 08 01:58:43 2021
 QLast Update : Thu Apr 08 01:58:43 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1228454	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3069719	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2750796	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2136624	9.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	24295	0.106	ppbv	99
9) Propene	3.00	41	33941m	0.464	ppbv	
10) Heptane	8.12	43	64771	0.347	ppbv #	79
13) Ethanol	3.62	45	90279m	10.361	ppbv	
15) Acetone	3.85	43	107480m	0.889	ppbv	
36) Benzene	6.89	78	58326m	0.206	ppbv	
44) 2,2,4-Trimethylpentane	7.86	57	851933	1.710	ppbv #	88
52) Tetrachloroethene	11.21	164	18714m	0.180	ppbv	
53) Toluene	9.80	91	365966	1.214	ppbv	97
58) Ethyl Benzene	12.70	91	50184m	0.125	ppbv	
59) m/p-Xylene	12.96	91	160353	0.459	ppbv	89
60) o-Xylene	13.69	91	90552	0.268	ppbv	99

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

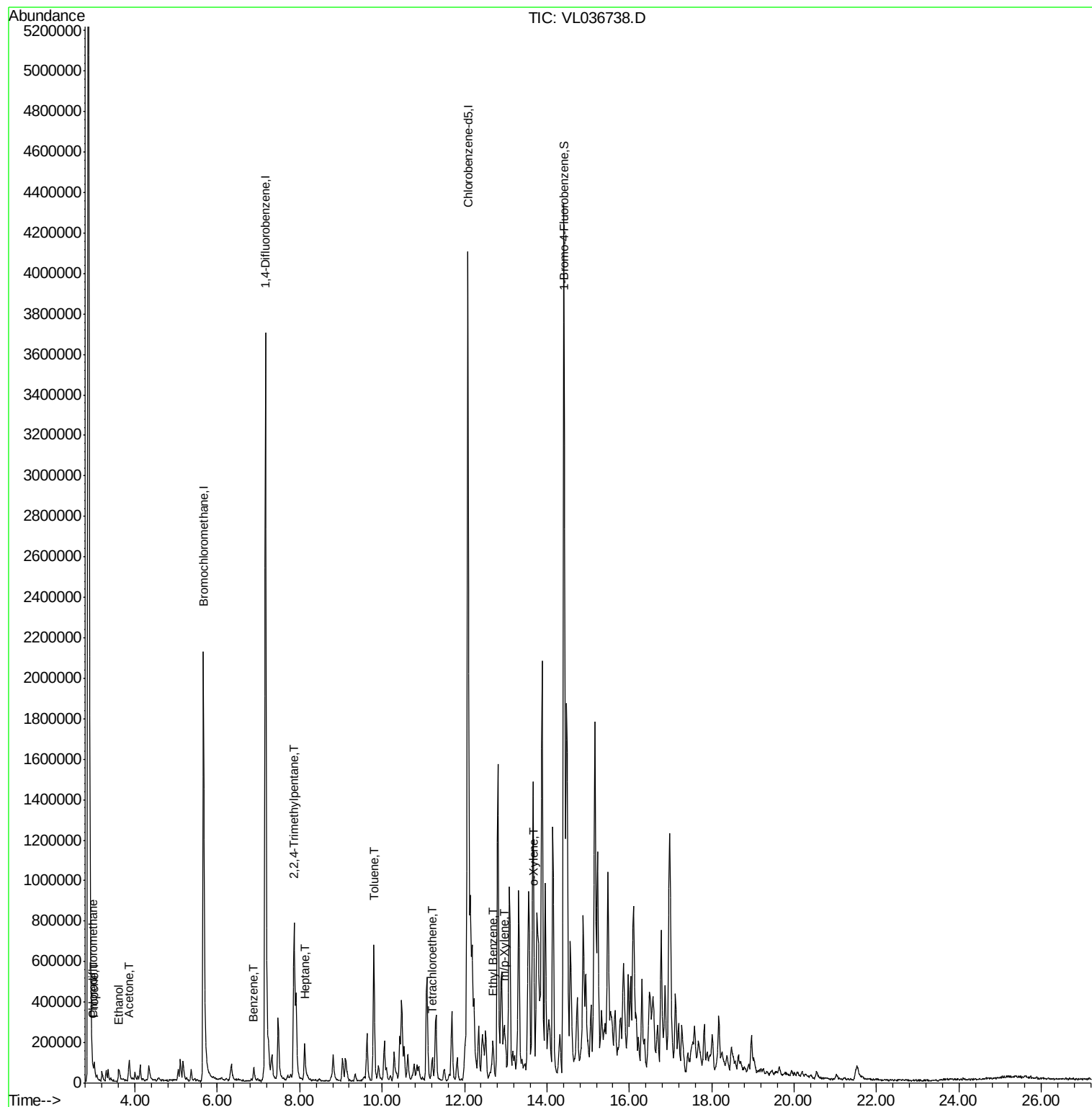
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040721\
Data File : VL036738.D
Acq On : 7 Apr 2021 22:40
Operator : SY/AP
Sample : M1929-07DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 9 Sample Multiplier: 1

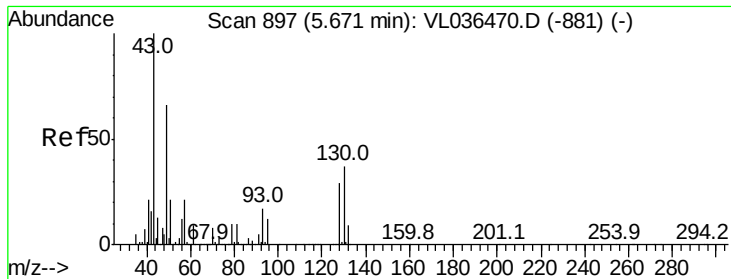
Instrument :
MSVOA_L
ClientSampleId :
FS-SV01DL

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Quant Time: Apr 10 23:21:22 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr
QLast Update : Thu Apr 08 01:58:43 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL036738.D

Acq: 7 Apr 2021 22:40

Instrument :

MSVOA_L

ClientSampleID :

FS-SV01DL

Tot Ion: 49 Resp: 1228454

Ion Ratio Lower Upper

49 100

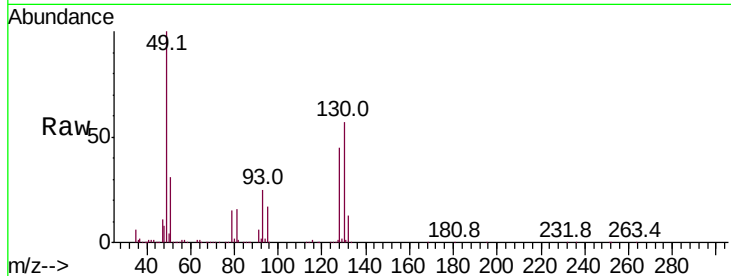
128 47.7 23.5 70.6

130 60.9 29.1 87.4

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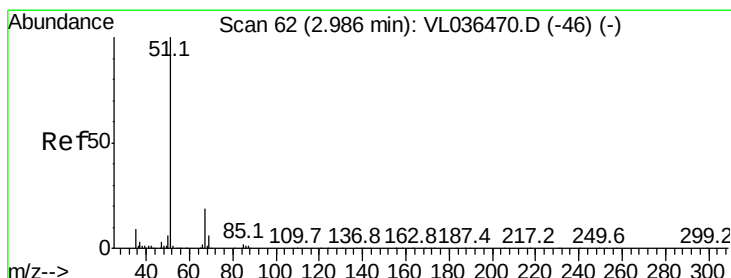
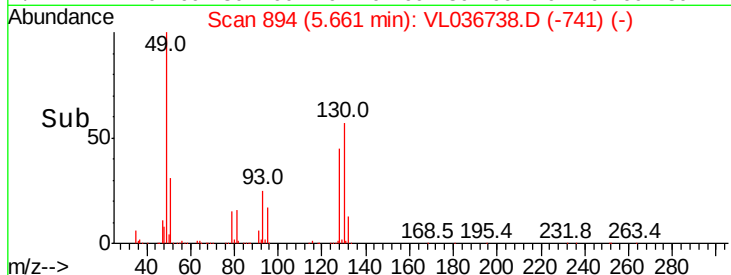
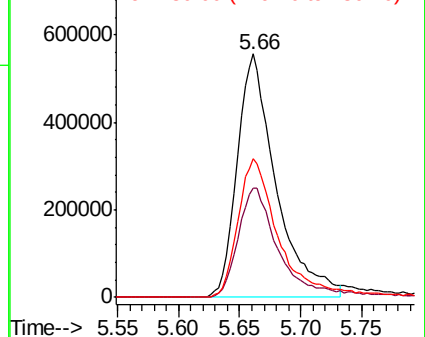
4/12/2021 11:16:23 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.106 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL036738.D

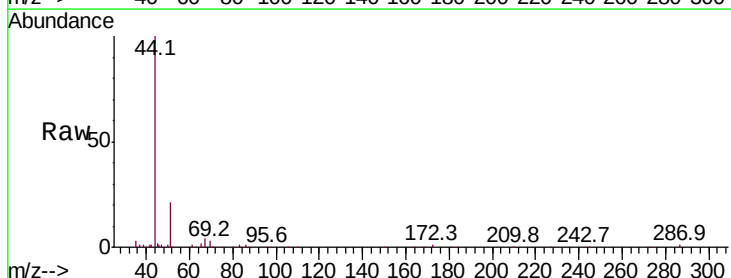
Acq: 7 Apr 2021 22:40

Tgt Ion: 51 Resp: 24295

Ion Ratio Lower Upper

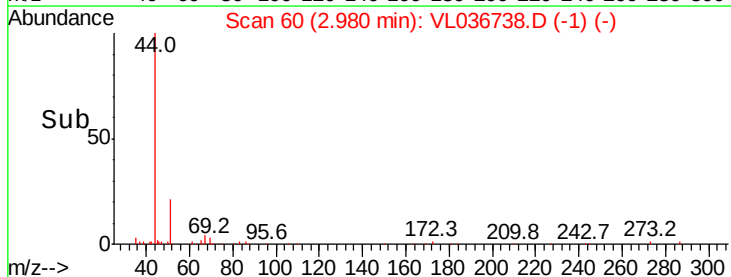
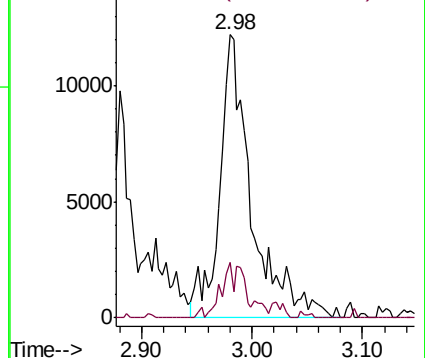
51 100

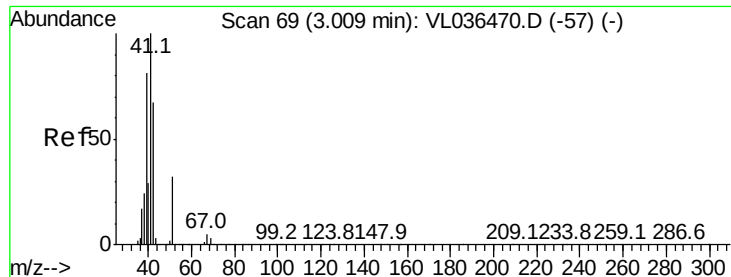
67 18.1 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.464 ppbv m

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036738.D

Acq: 7 Apr 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

FS-SV01DL

Tot Ion: 41 Resp: 33941

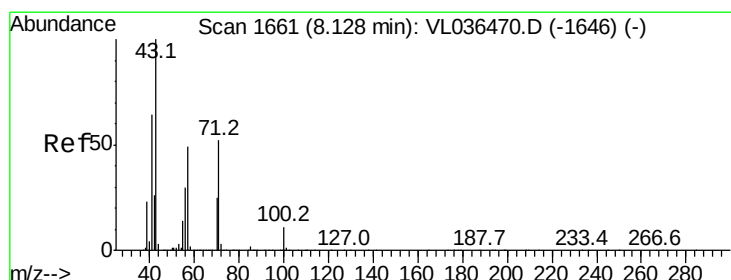
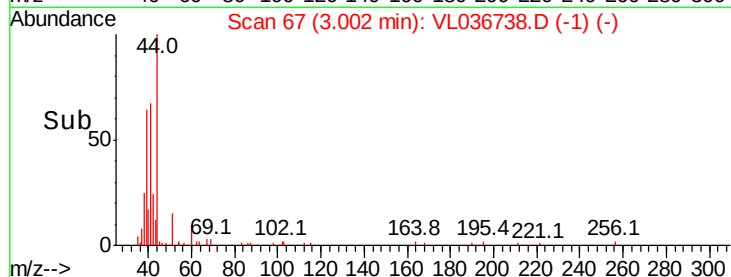
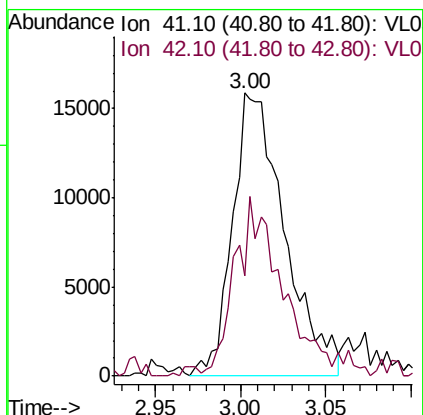
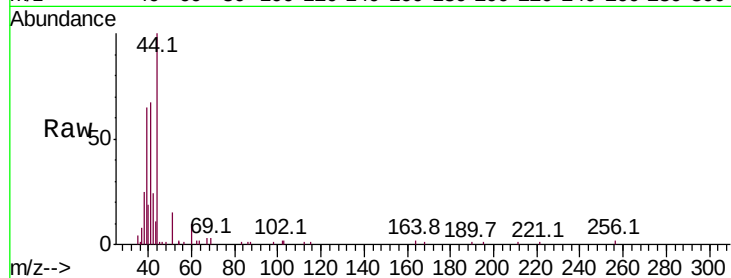
Ion Ratio Lower Upper

41 100

42 60.6 57.0 85.4

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#10

Heptane

Concen: 0.347 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL036738.D

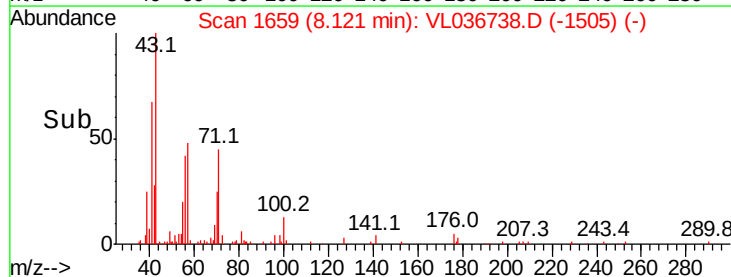
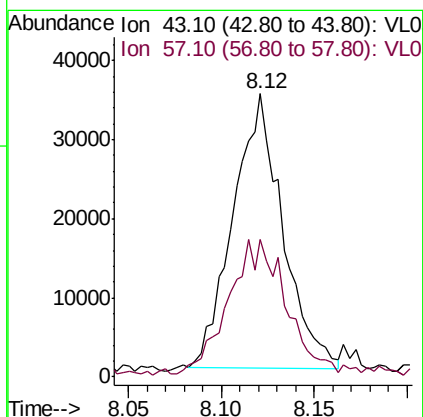
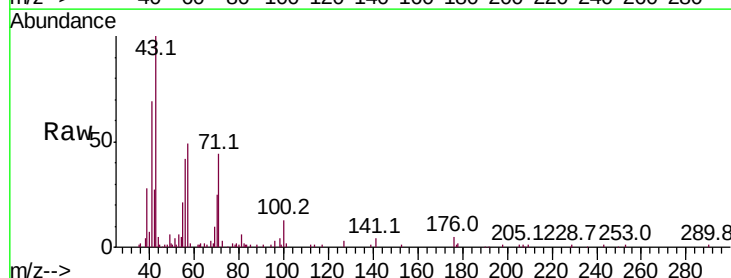
Acq: 7 Apr 2021 22:40

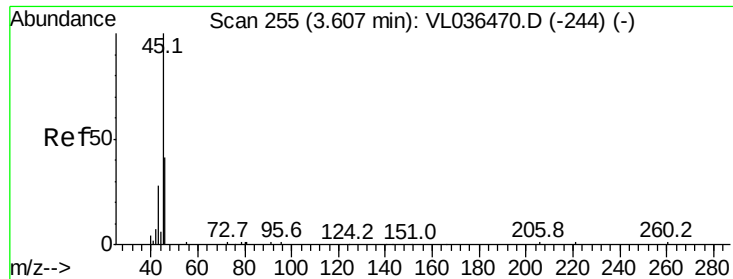
Tgt Ion: 43 Resp: 64771

Ion Ratio Lower Upper

43 100

57 62.9 39.0 58.6#





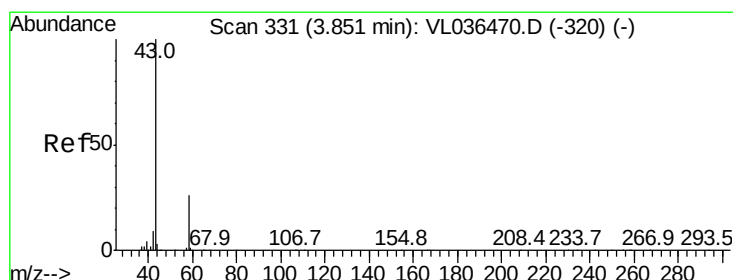
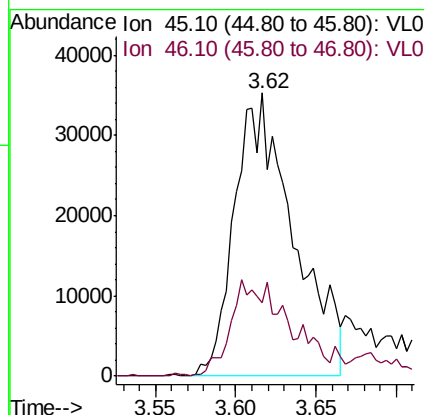
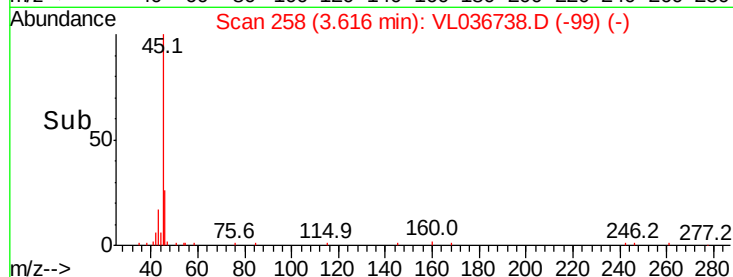
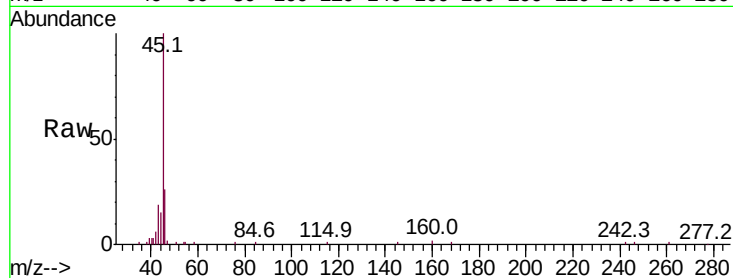
#13
Ethanol
Concen: 10.361 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036738.D
Acq: 7 Apr 2021 22:40

Instrument :
MSVOA_L
ClientSampleId :
FS-SV01DL

Tot Ion: 45 Resp: 90279
Ion Ratio Lower Upper
45 100
46 43.2 16.6 66.2

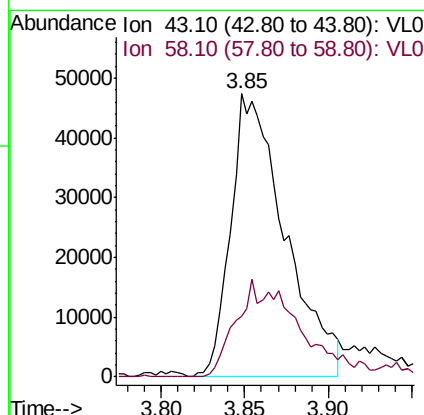
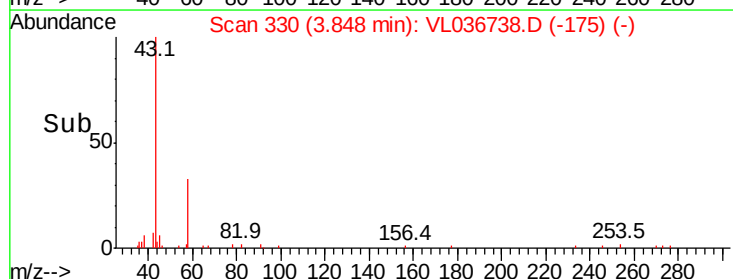
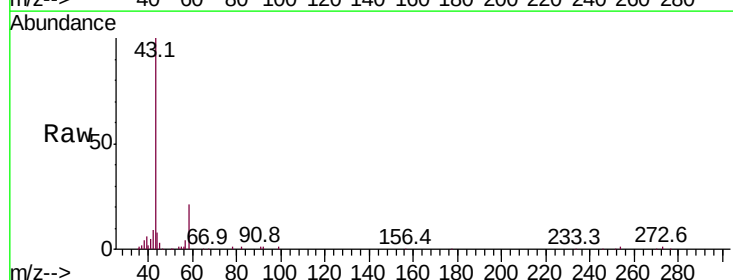
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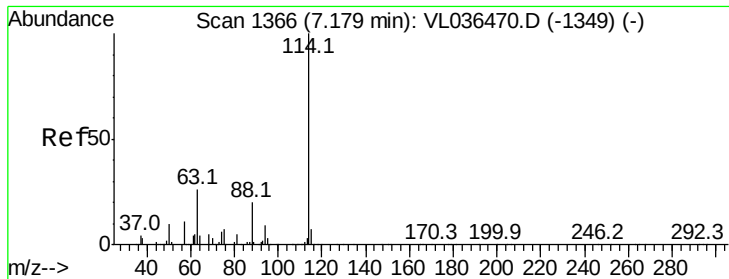
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#15
Acetone
Concen: 0.889 ppbv m
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL036738.D
Acq: 7 Apr 2021 22:40

Tgt Ion: 43 Resp: 107480
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VL036738.D

Acq: 7 Apr 2021 22:40

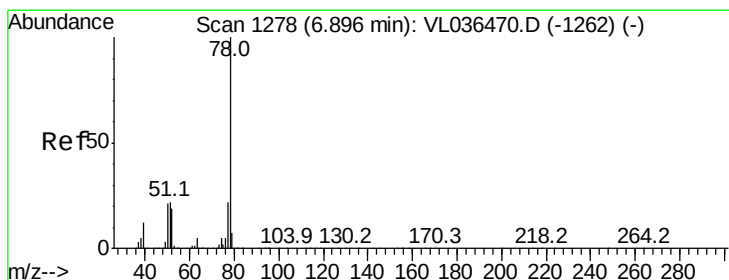
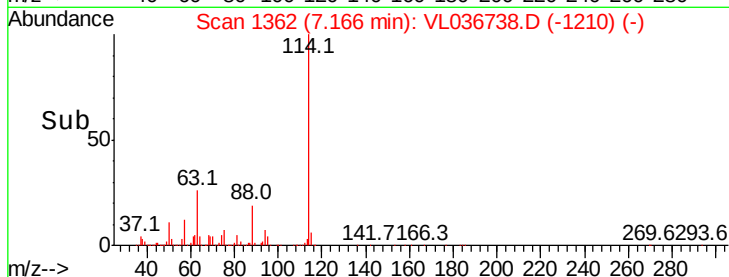
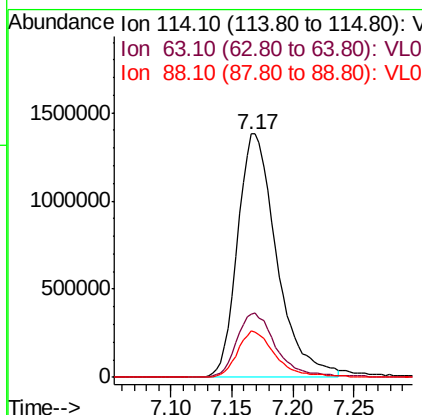
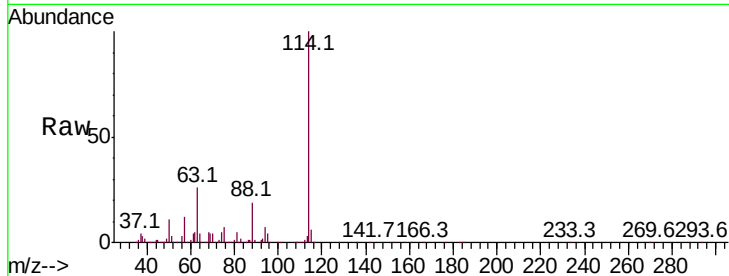
Instrument :
MSVOA_L
ClientSampleId :
FS-SV01DL

Tot Ion:114 Resp: 3069719

Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.4	33.6
88	18.7	15.4	23.0

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#36

Benzene

Concen: 0.206 ppbv m

RT: 6.89 min Scan# 1275

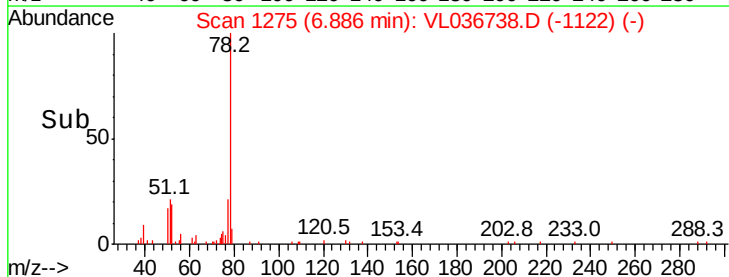
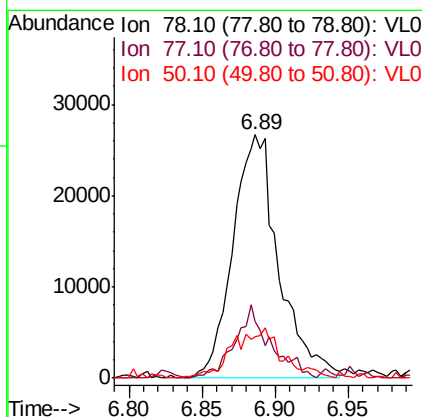
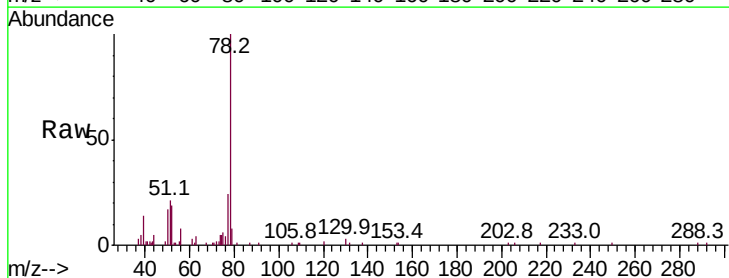
Delta R.T. -0.01 min

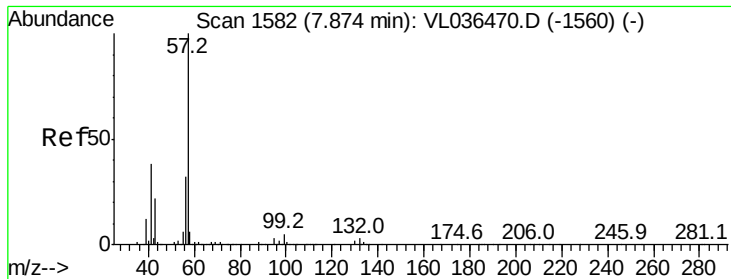
Lab File: VL036738.D

Acq: 7 Apr 2021 22:40

Tgt Ion: 78 Resp: 58326

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.0	27.0
50	17.2	16.5	24.7





#44

2,2,4-Trimethylpentane

Concen: 1.710 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. -0.01 min

Lab File: VL036738.D

Acq: 7 Apr 2021 22:40

Instrument :

MSVOA_L

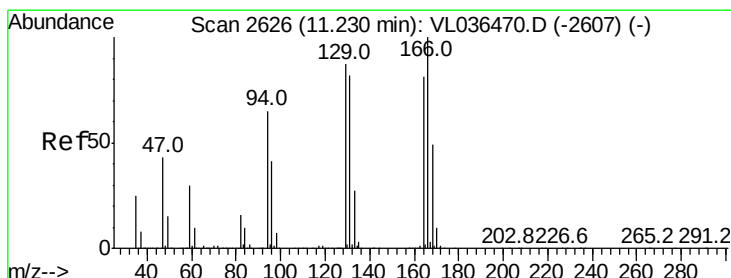
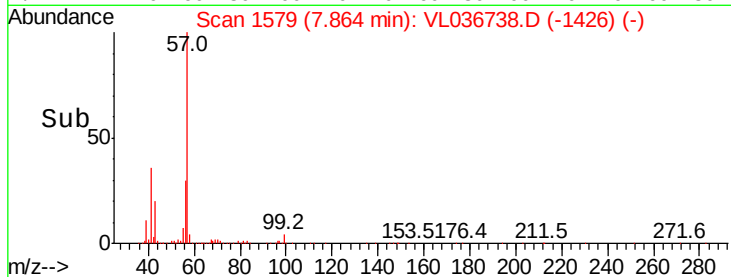
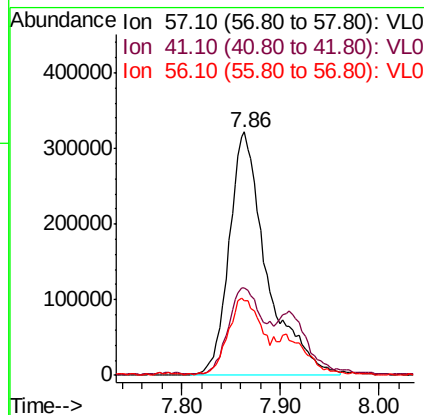
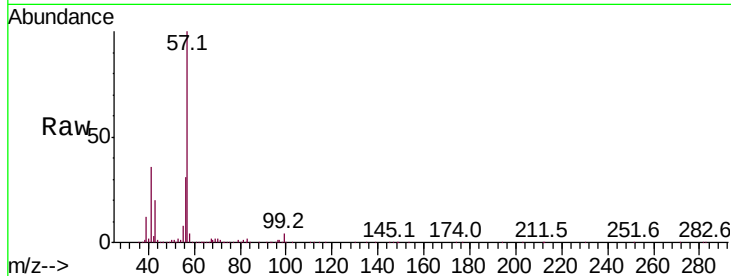
ClientSampleId :

FS-SV01DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	32.4	28.8	43.2
56	42.4	26.1	39.1#

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#52

Tetrachloroethene

Concen: 0.180 ppbv m

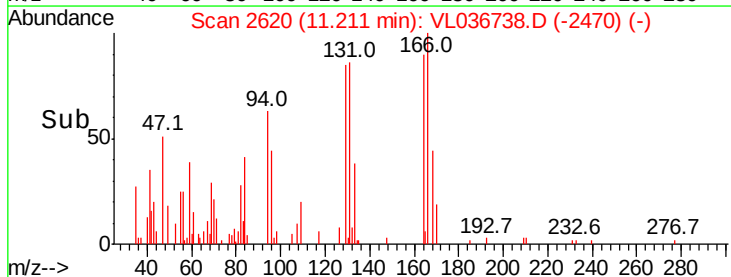
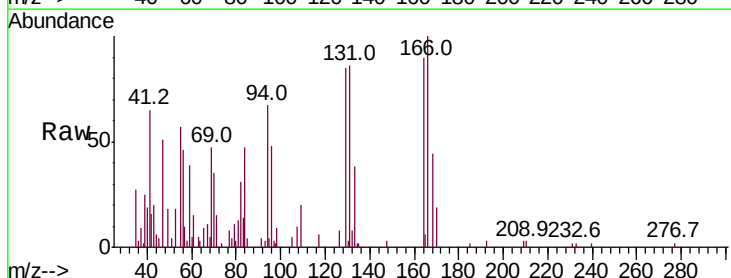
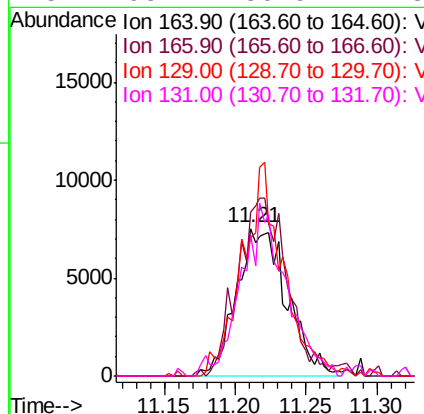
RT: 11.21 min Scan# 2620

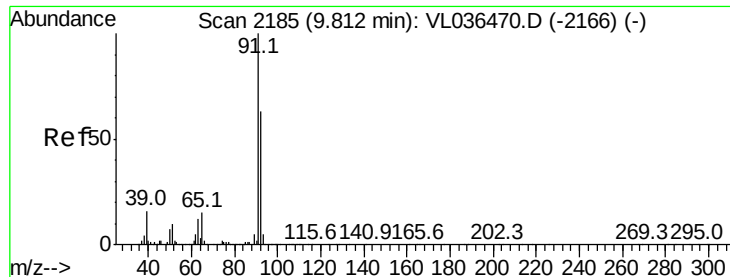
Delta R.T. -0.02 min

Lab File: VL036738.D

Acq: 7 Apr 2021 22:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	111.0	98.3	147.5
129	94.1	85.8	128.8
131	95.1	80.9	121.3





#53

Toluene

Concen: 1.214 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL036738.D

Acq: 7 Apr 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

FS-SV01DL

Tot Ion: 91 Resp: 365966

Ion Ratio Lower Upper

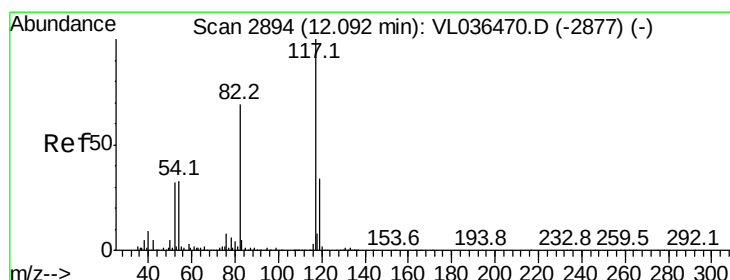
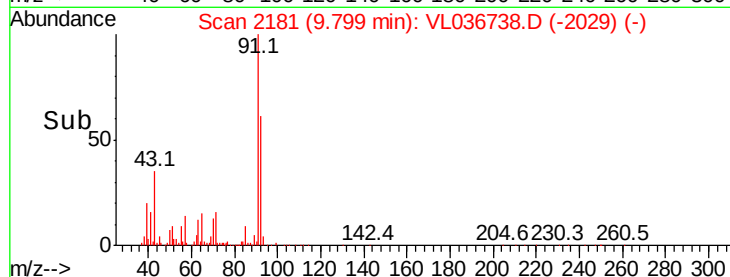
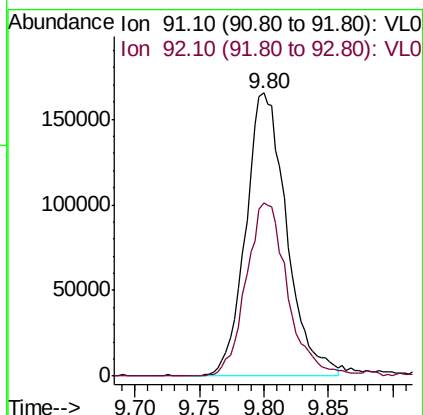
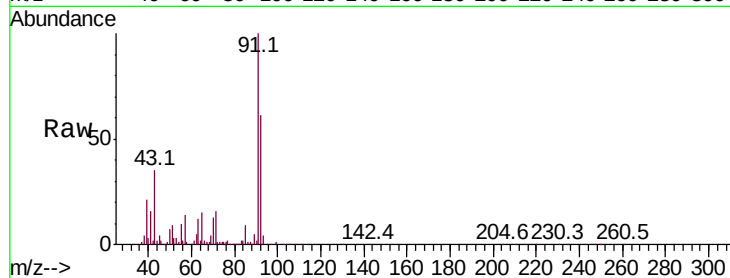
91 100

92 63.0 48.8 73.2

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL036738.D

Acq: 7 Apr 2021 22:40

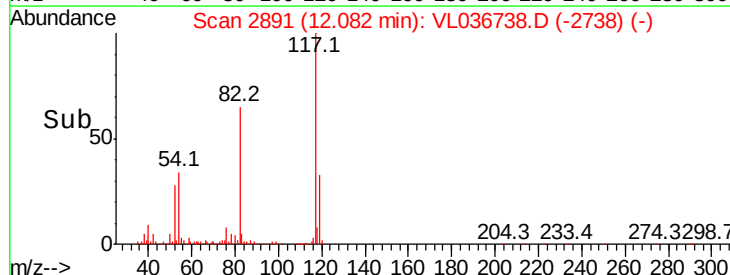
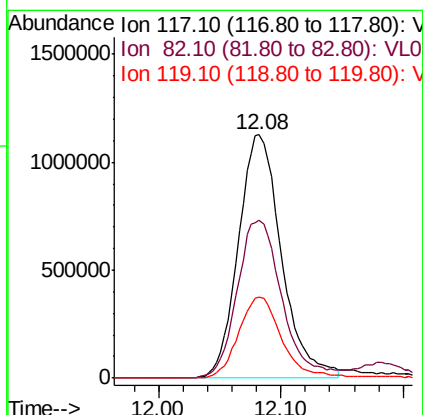
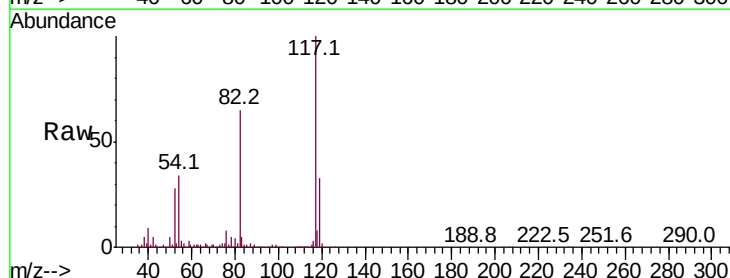
Tgt Ion: 117 Resp: 2750796

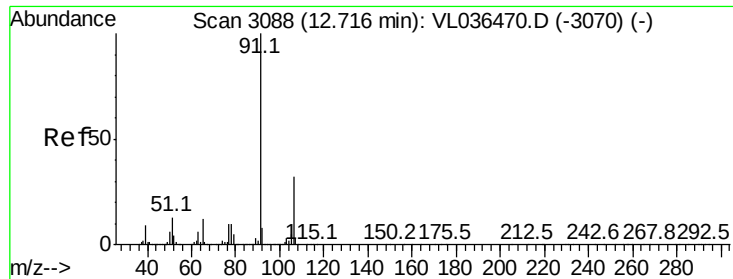
Ion Ratio Lower Upper

117 100

82 67.9 57.4 86.0

119 34.0 47.4 71.0#





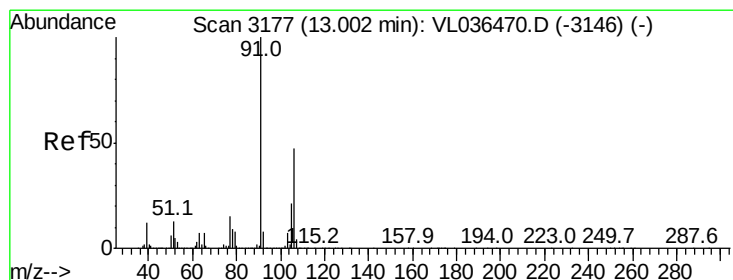
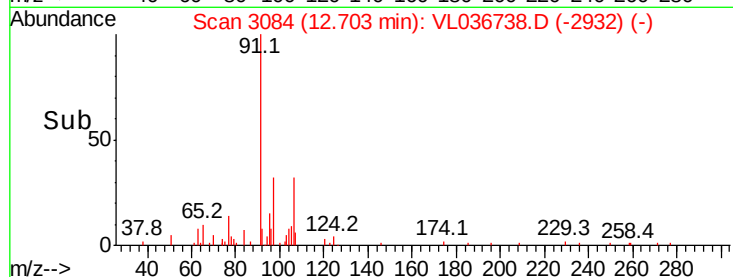
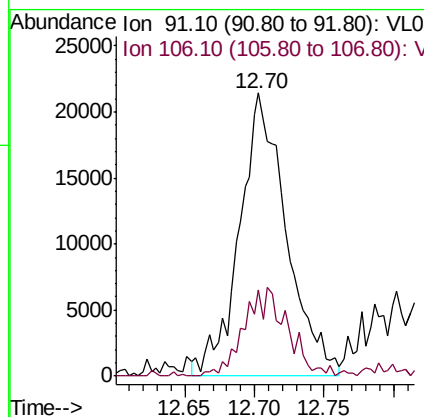
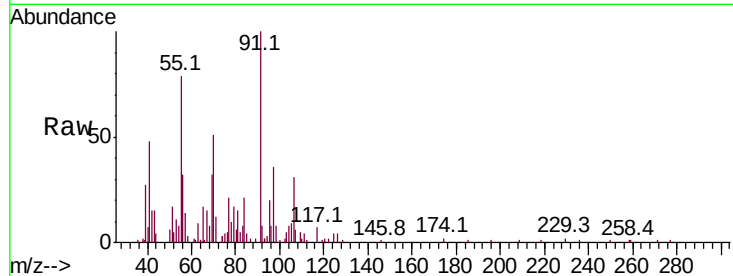
#58
Ethyl Benzene
Concen: 0.125 ppbv m
RT: 12.70 min Scan# 3084
Delta R.T. -0.01 min
Lab File: VL036738.D
Acq: 7 Apr 2021 22:40

Instrument :
MSVOA_L
ClientSampled :
FS-SV01DL

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.3	37.9

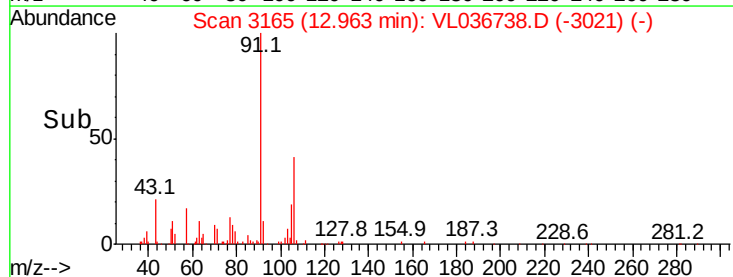
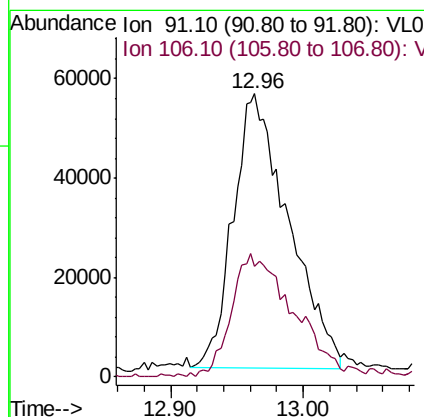
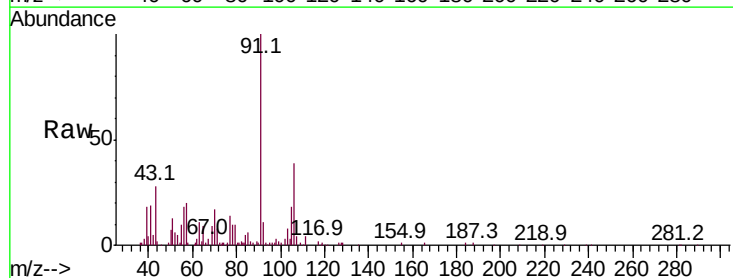
Manual Integrations
APPROVED

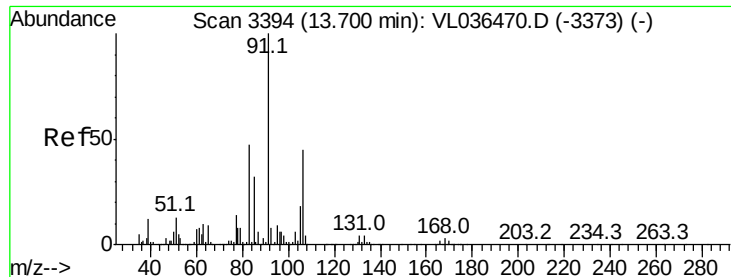
MMDadoda
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#59
m/p-Xylene
Concen: 0.459 ppbv
RT: 12.96 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL036738.D
Acq: 7 Apr 2021 22:40

Tgt Ion	Ratio	Lower	Upper
91	100		
106	51.5	35.3	52.9





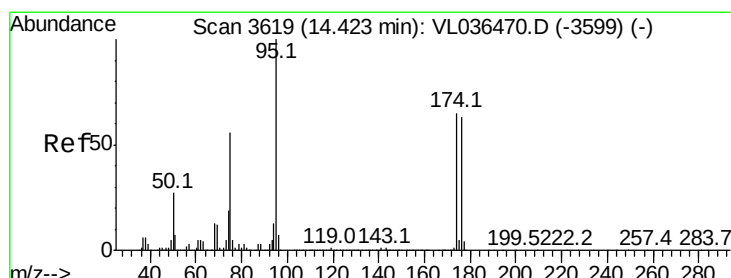
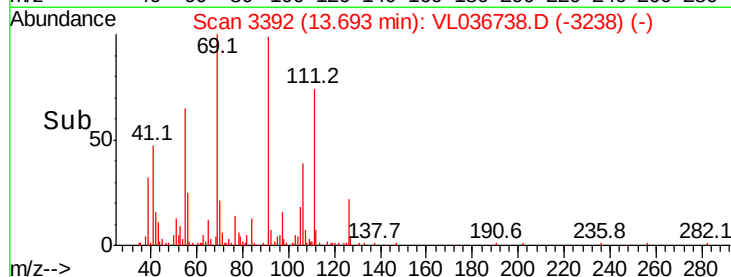
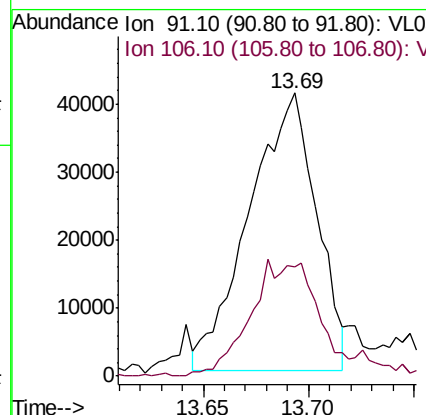
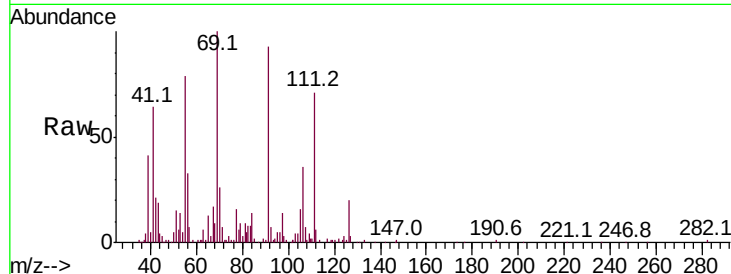
#60
o-Xylene
Concen: 0.268 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL036738.D
Acq: 7 Apr 2021 22:40

Instrument :
MSVOA_L
ClientSampleID :
FS-SV01DL

Tot Ion: 91 Resp: 90552
Ion Ratio Lower Upper
91 100
106 45.3 22.3 66.9

Manual Integrations
APPROVED

MMDadoda
4/12/2021 11:16:23 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.746 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL036738.D
Acq: 7 Apr 2021 22:40

Tgt Ion: 95 Resp: 2136624
Ion Ratio Lower Upper
95 100
174 68.7 51.0 76.6
175 4.9 3.9 5.9

