

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036637.D
 Acq On : 1 Apr 2021 20:43
 Operator : SY/AP
 Sample : M1841-05 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3

Manual Integrations
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 4/2/2021 6:55:15 PM

Quant Time: Apr 02 02:04:36 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	5.67	49	1257293	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3276841	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2872771	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2214466	9.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	66011m	0.881	ppbv	
10) Heptane	8.13	43	1242970	6.515	ppbv	100
13) Ethanol	3.61	45	356781m	40.007	ppbv	
15) Acetone	3.87	43	18235786	147.363	ppbv #	63
17) tert-Butyl alcohol	4.31	59	109220m	1.014	ppbv	
19) Isopropyl Alcohol	3.97	45	1247391	18.324	ppbv #	1
20) Methylene Chloride	4.34	84	257493	4.444	ppbv	91
23) Vinyl Acetate	5.11	43	11195678m	52.891	ppbv	
26) Hexane	5.69	57	3768309	27.601	ppbv #	47
27) Carbon Disulfide	4.55	76	14719m	0.109	ppbv	
30) Cyclohexane	7.14	84	455883	4.117	ppbv	94
34) 2-Butanone	5.25	43	206291	1.290	ppbv	97
36) Benzene	6.90	78	961777	3.182	ppbv	95
44) 2,2,4-Trimethylpentane	7.88	57	19287846	36.263	ppbv #	81
50) 4-Methyl-2-Pentanone	8.77	43	48310m	0.209	ppbv	
53) Toluene	9.81	91	113458	0.353	ppbv	99
58) Ethyl Benzene	12.72	91	56754m	0.136	ppbv	
59) m/p-Xylene	12.97	91	155888	0.428	ppbv	98
60) o-Xylene	13.70	91	76918m	0.218	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	96630m	0.250	ppbv	

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

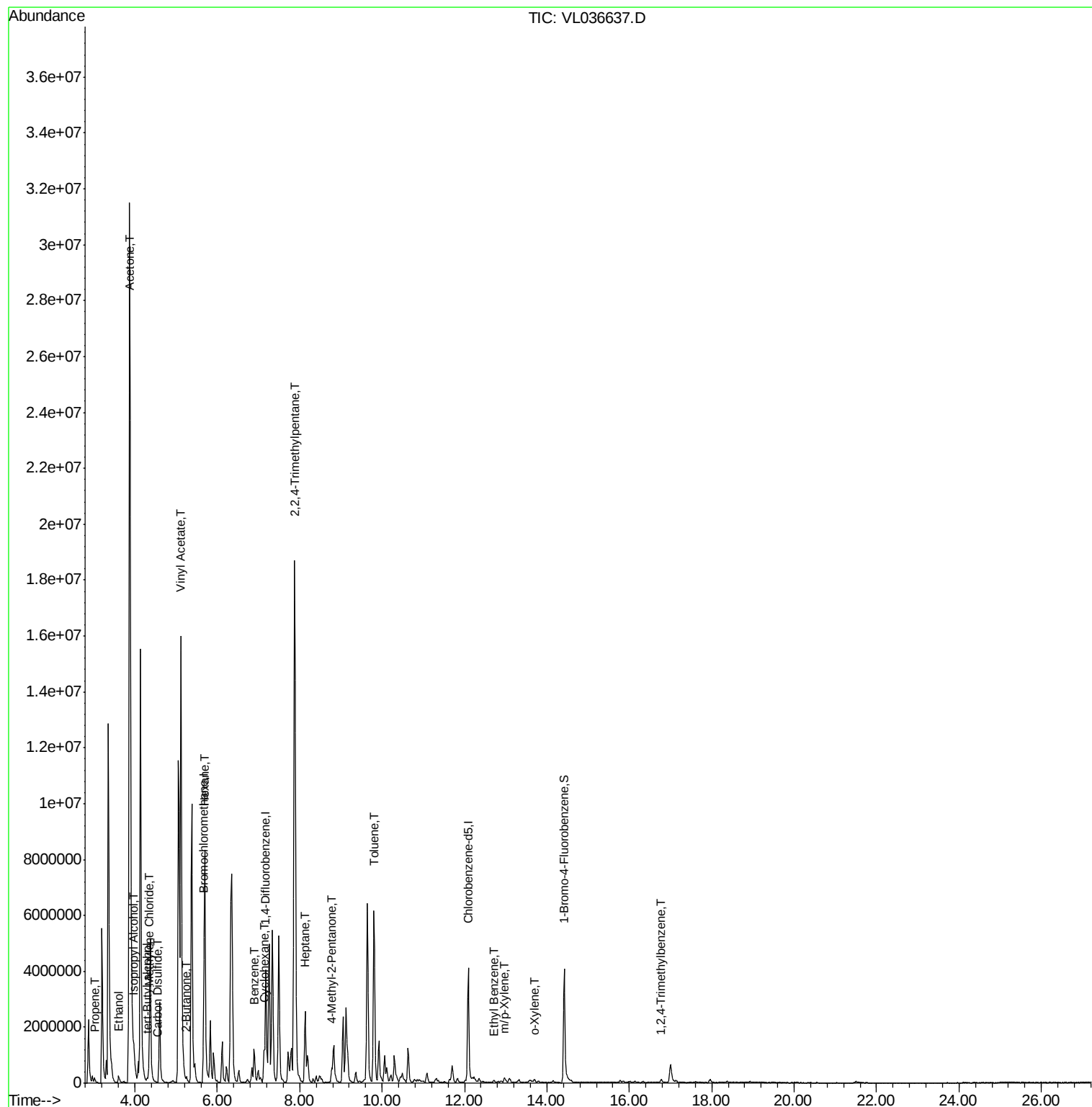
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040121\
Data File : VL036637.D
Acq On : 1 Apr 2021 20:43
Operator : SY/AP
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

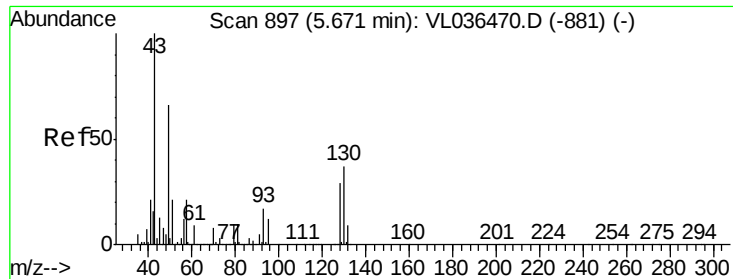
Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-3

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Quant Time: Apr 02 02:04:36 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

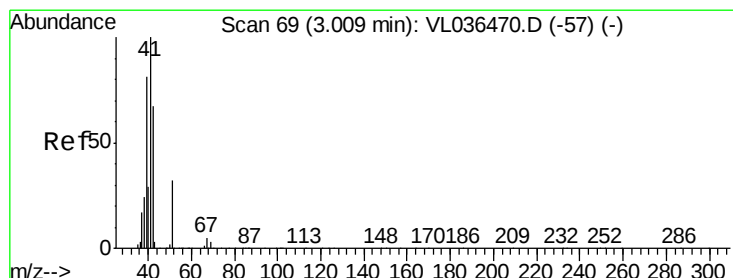
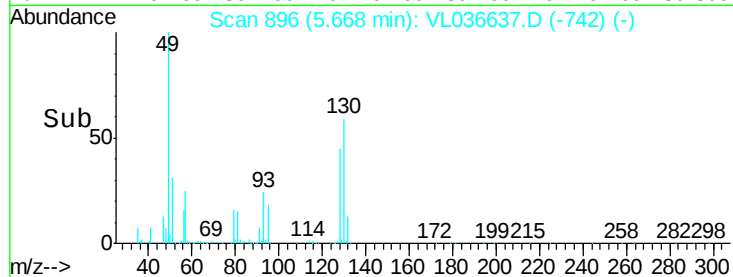
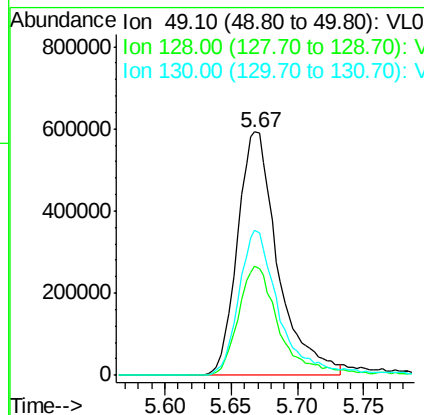
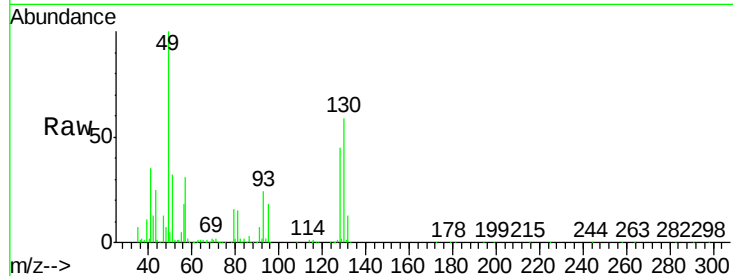
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. -0.00 min
 Lab File: VL036637.D
 Acq: 1 Apr 2021 20:43

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3

Tot Ion: 49 Resp: 1257293
 Ion Ratio Lower Upper
 49 100
 128 46.8 23.5 70.6
 130 60.8 29.1 87.4

Manual Integrations
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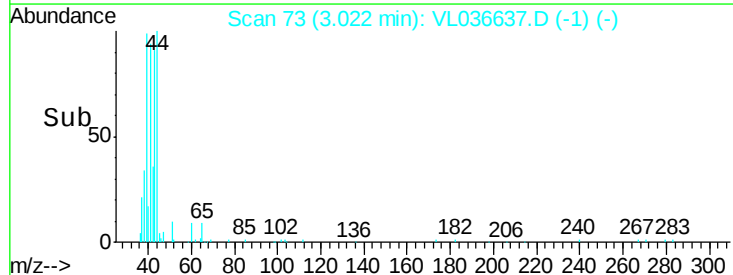
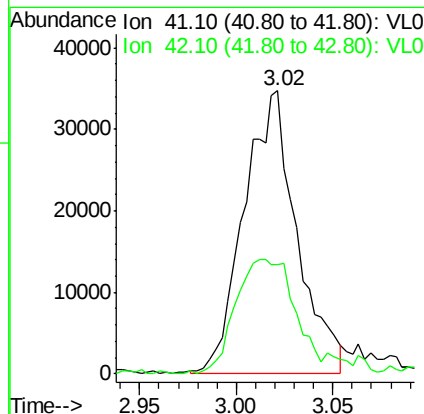
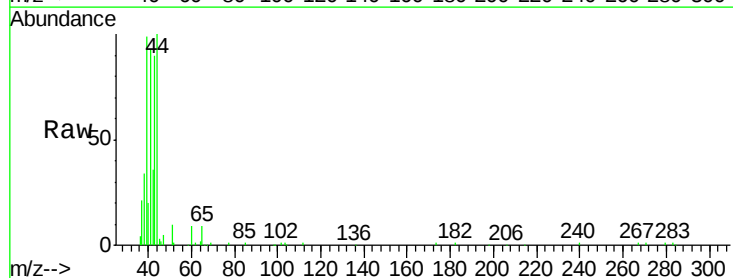
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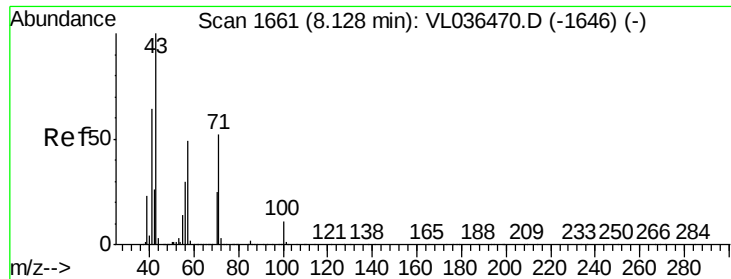


#9

Propene
 Concen: 0.881 ppbv m
 RT: 3.02 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: VL036637.D
 Acq: 1 Apr 2021 20:43

Tgt Ion: 41 Resp: 66011
 Ion Ratio Lower Upper
 41 100
 42 2168.7 57.0 85.4#





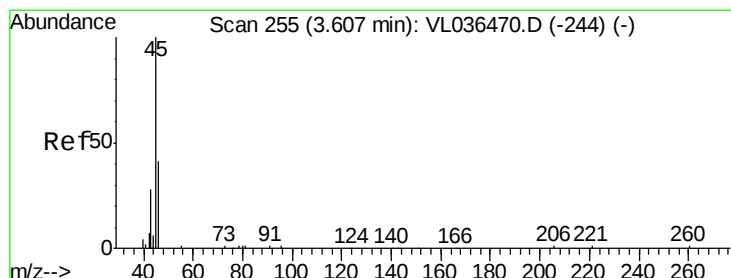
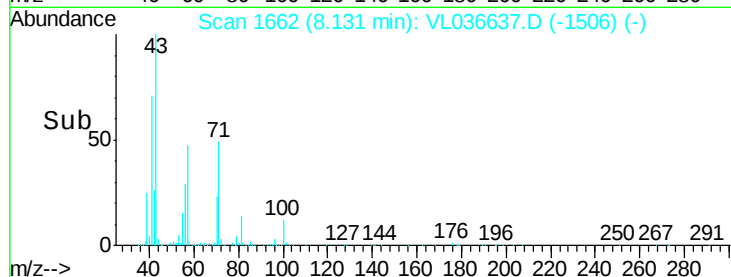
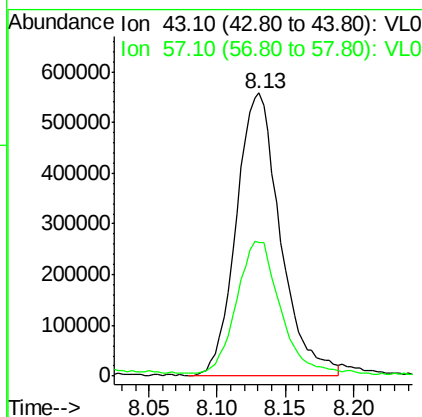
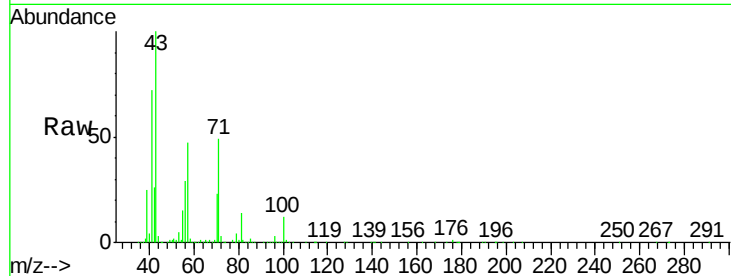
#10
Heptane
Concen: 6.515 ppbv
RT: 8.13 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VL036637.D
Acq: 1 Apr 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-3

Tot Ion: 43 Resp: 1242970
Ion Ratio Lower Upper
43 100
57 48.5 39.0 58.6

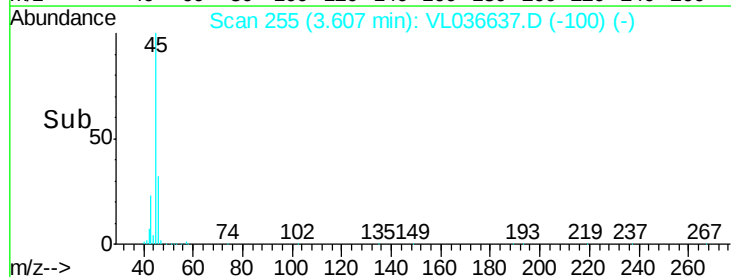
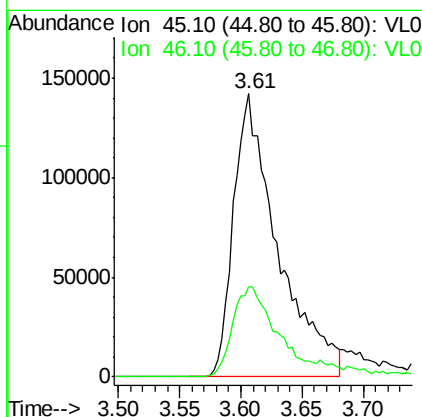
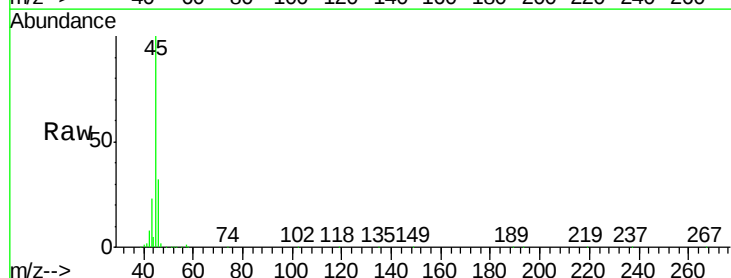
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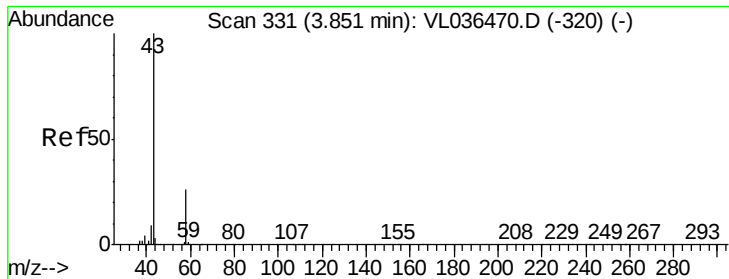
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#13
Ethanol
Concen: 40.007 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL036637.D
Acq: 1 Apr 2021 20:43

Tgt Ion: 45 Resp: 356781
Ion Ratio Lower Upper
45 100
46 36.2 16.6 66.2





#15

Acetone

Concen: 147.363 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL036637.D

Acq: 1 Apr 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-3

Tot Ion: 43 Resp: 18235786

Ion Ratio Lower Upper

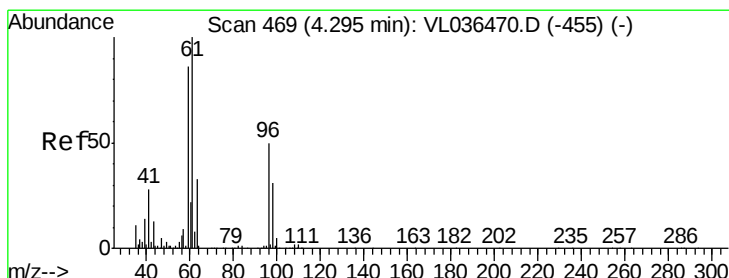
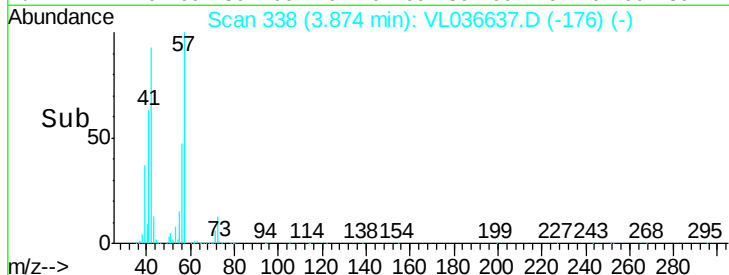
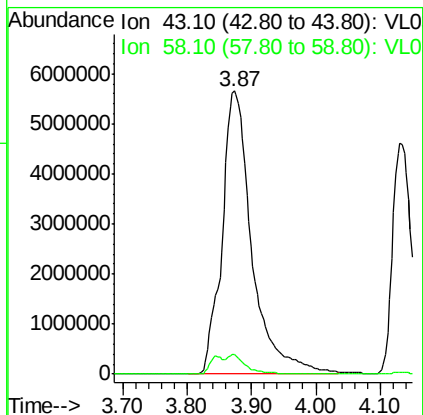
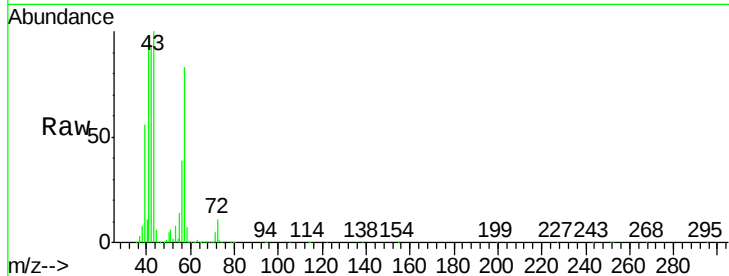
43 100

58 7.4 21.2 31.8#

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#17

tert-Butyl alcohol

Concen: 1.014 ppbv m

RT: 4.31 min Scan# 473

Delta R.T. 0.01 min

Lab File: VL036637.D

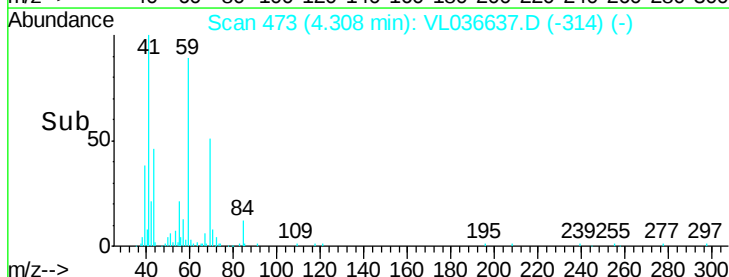
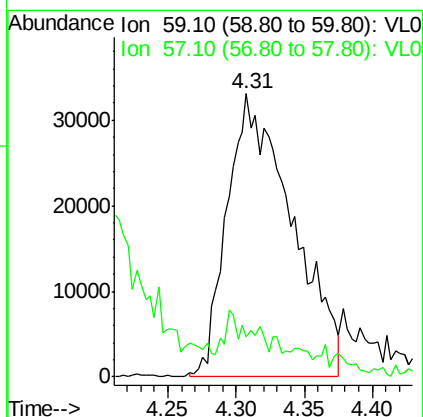
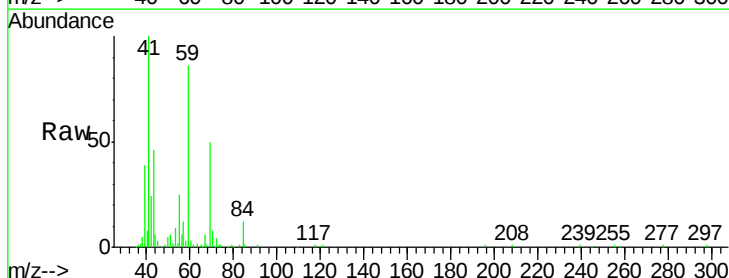
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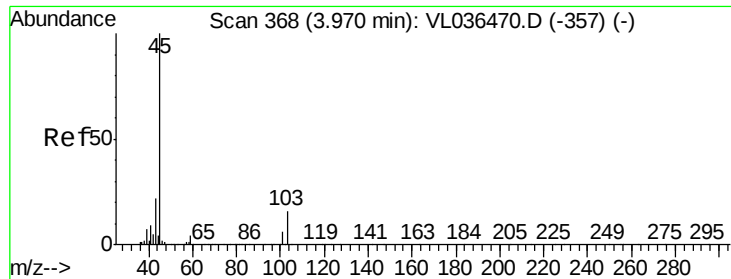
Tgt Ion: 59 Resp: 109220

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#





#19

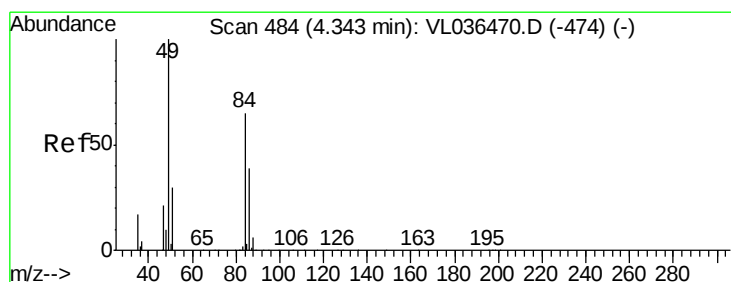
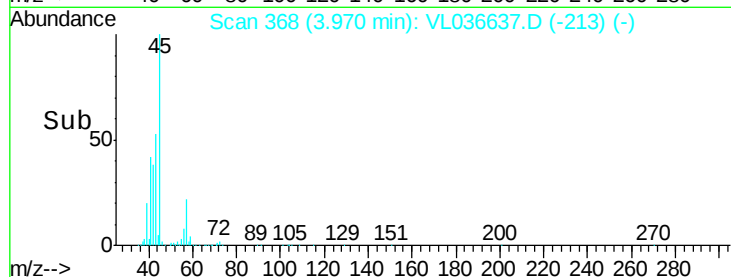
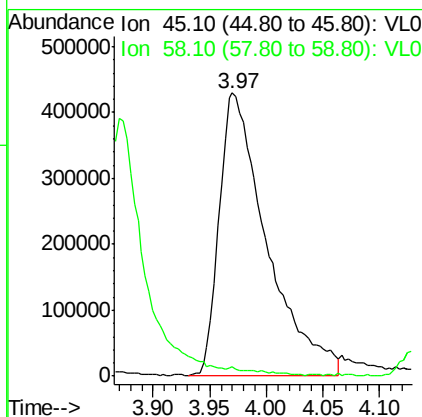
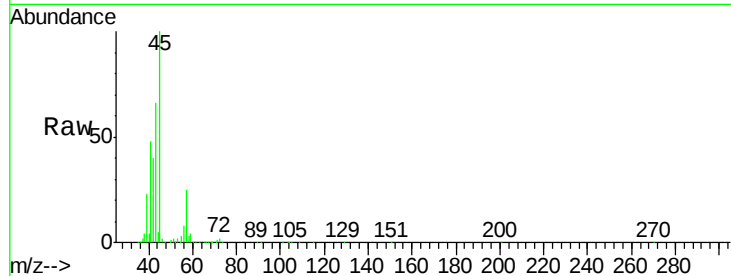
Isopropyl Alcohol
 Concen: 18.324 ppbv
 RT: 3.97 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VL036637.D
 Acq: 1 Apr 2021 20:43

Instrument :
 MSVOA_L
 ClientSampleID :
 PBS-SS-3

Tot Ion: 45 Resp: 1247391
 Ion Ratio Lower Upper
 45 100
 58 108.4 2.9 4.3#

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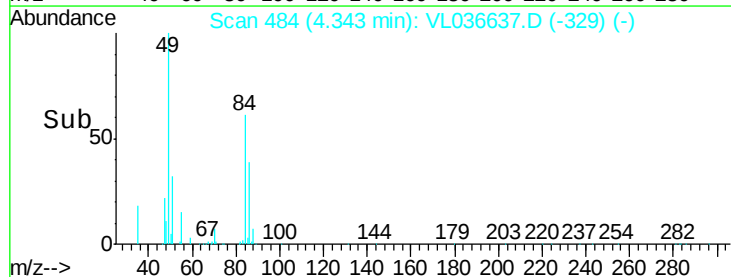
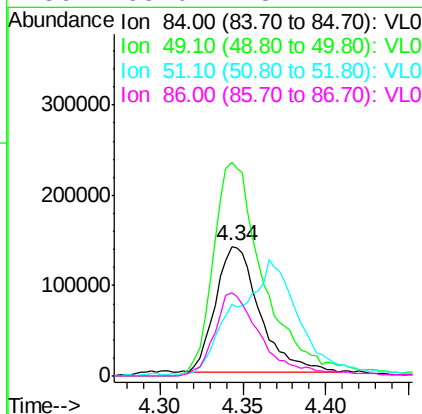
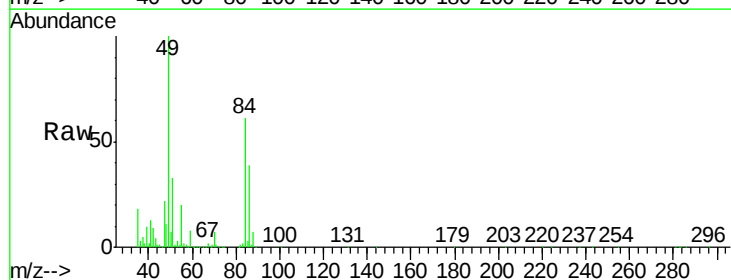
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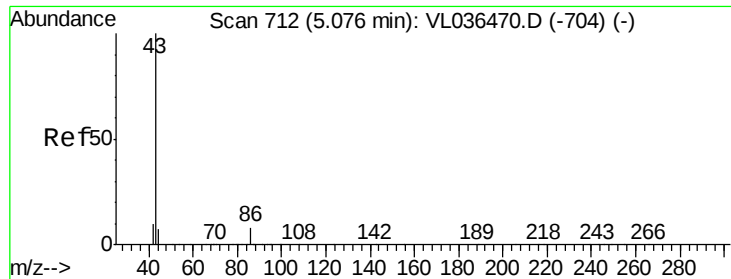


#20

Methylene Chloride
 Concen: 4.444 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. -0.00 min
 Lab File: VL036637.D
 Acq: 1 Apr 2021 20:43

Tgt Ion: 84 Resp: 257493
 Ion Ratio Lower Upper
 84 100
 49 165.5 122.9 184.3
 51 54.8 36.9 55.3
 86 65.0 48.2 72.4





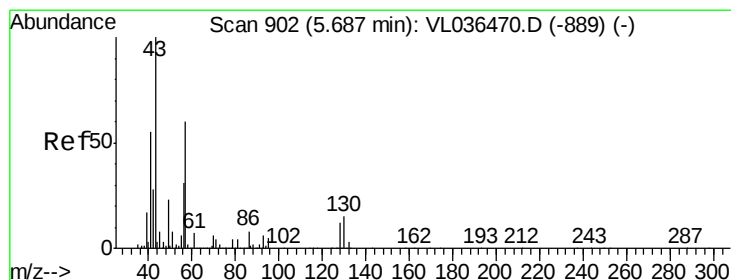
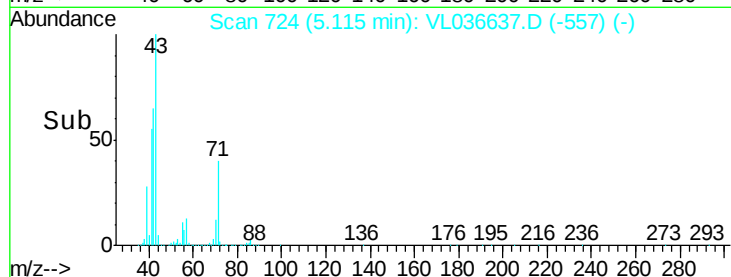
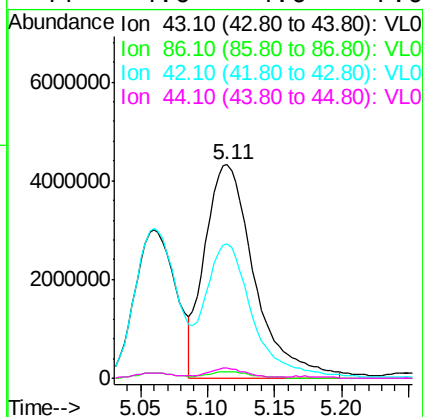
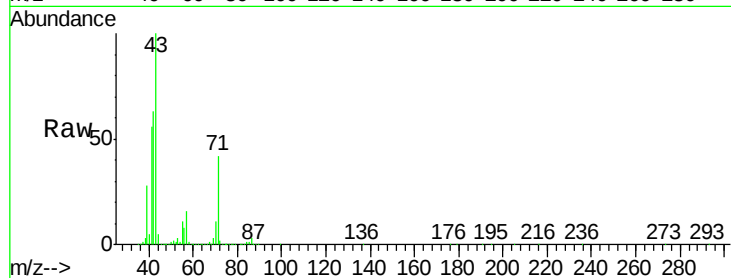
#23
 Vinyl Acetate
 Concen: 52.891 ppbv m
 RT: 5.11 min Scan# 724
 Delta R.T. 0.04 min
 Lab File: VL036637.D
 Acq: 1 Apr 2021 20:43

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3

Tot Ion: 43 Resp: 11195678
 Ion Ratio Lower Upper
 43 100
 86 3.3 5.4 8.0#
 42 62.7 8.5 12.7#
 44 4.6 4.6 7.0#

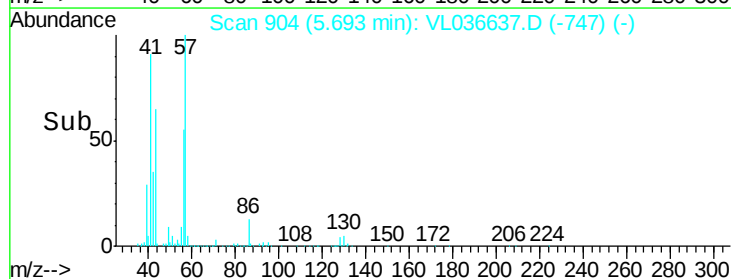
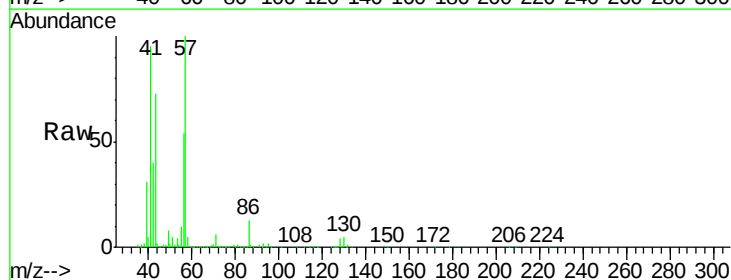
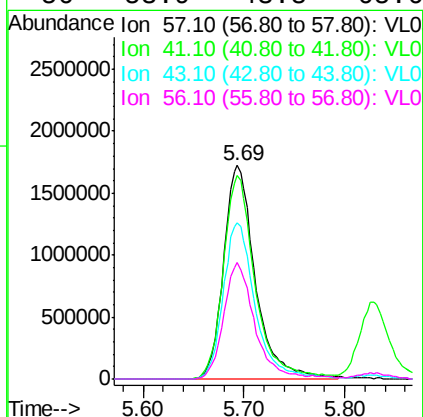
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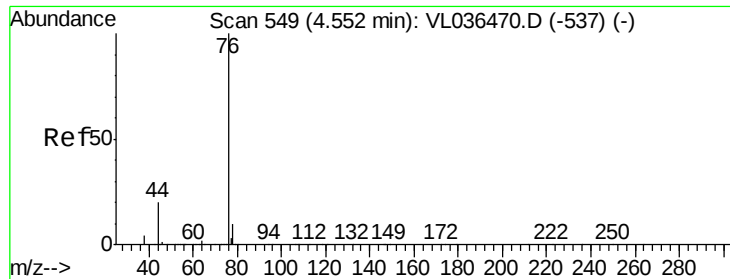
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#26
 Hexane
 Concen: 27.601 ppbv
 RT: 5.69 min Scan# 904
 Delta R.T. 0.01 min
 Lab File: VL036637.D
 Acq: 1 Apr 2021 20:43

Tgt Ion: 57 Resp: 3768309
 Ion Ratio Lower Upper
 57 100
 41 96.0 77.2 115.8
 43 73.6 173.8 260.6#
 56 53.9 43.8 65.6





#27

Carbon Disulfide

Concen: 0.109 ppbv m

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL036637.D

Acq: 1 Apr 2021 20:43

Instrument :

MSVOA_L

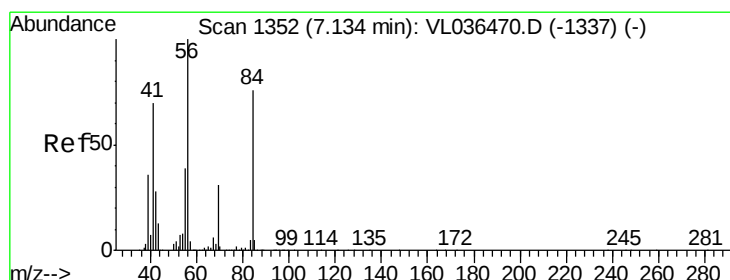
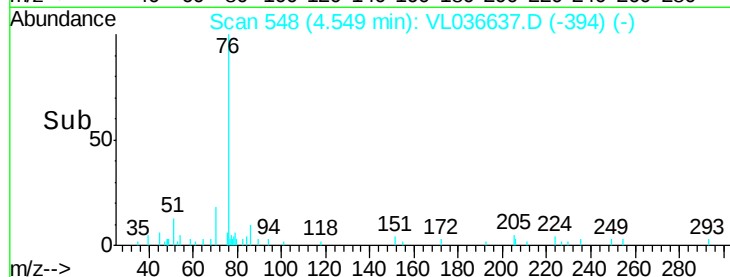
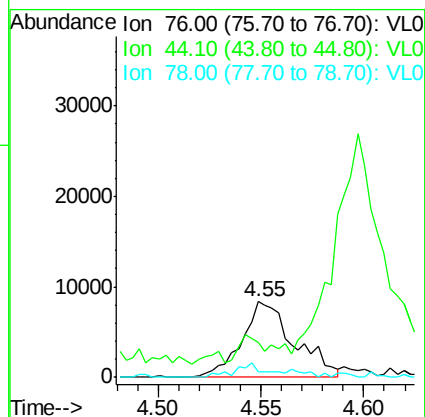
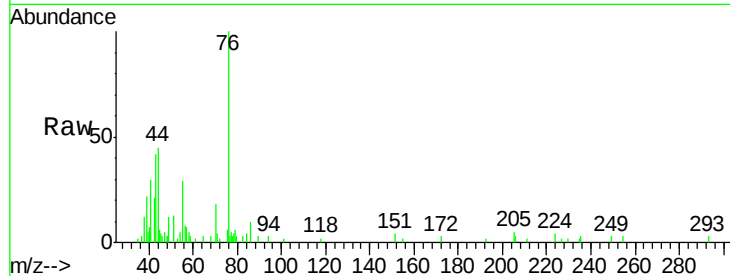
ClientSampleId :

PBS-SS-3

Tot Ion:	76	Resp:	14719
Ion Ratio	Lower	Upper	
76	100		
44	0.0	17.5	26.3#
78	16.7	8.6	13.0#

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#30

Cyclohexane

Concen: 4.117 ppbv

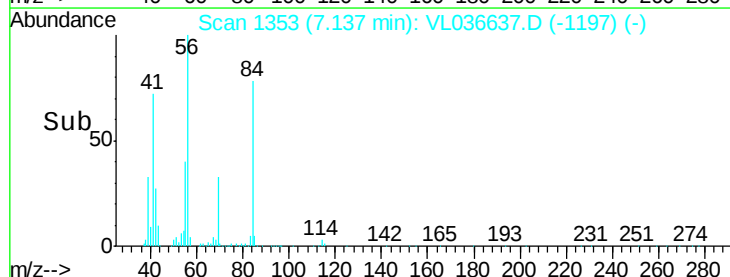
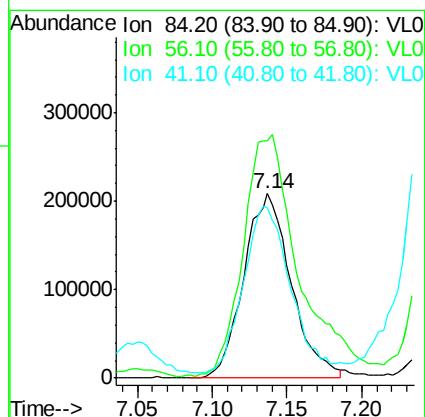
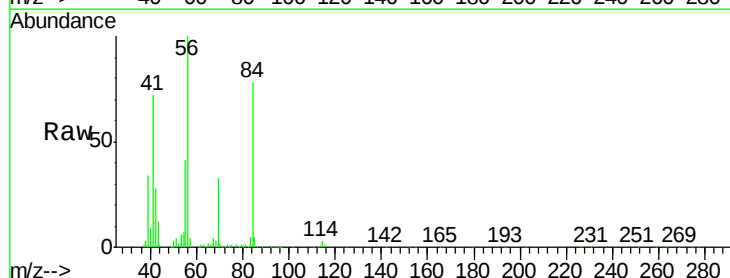
RT: 7.14 min Scan# 1353

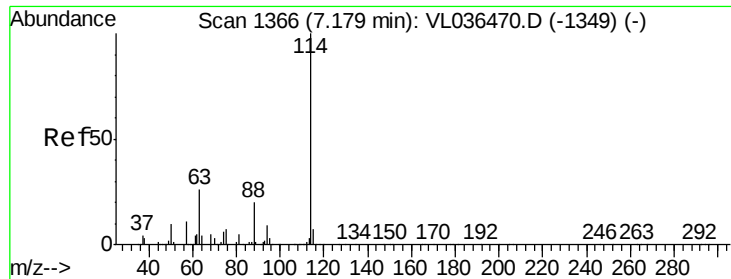
Delta R.T. 0.00 min

Lab File: VL036637.D

Acq: 1 Apr 2021 20:43

Tgt Ion:	84	Resp:	455883
Ion Ratio	Lower	Upper	
84	100		
56	153.4	114.6	171.8
41	90.7	75.3	112.9





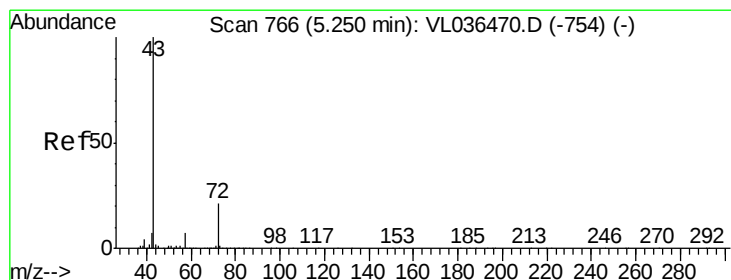
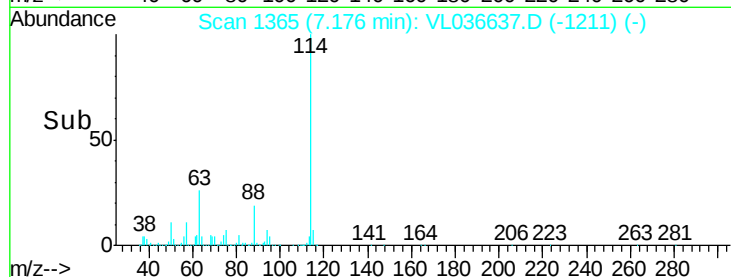
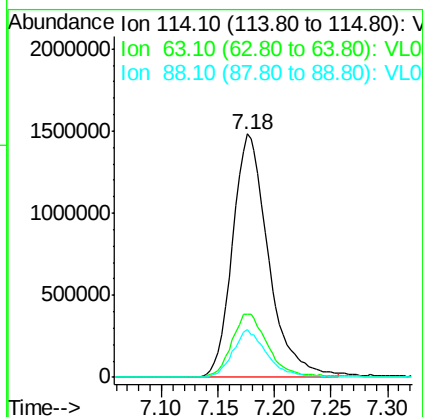
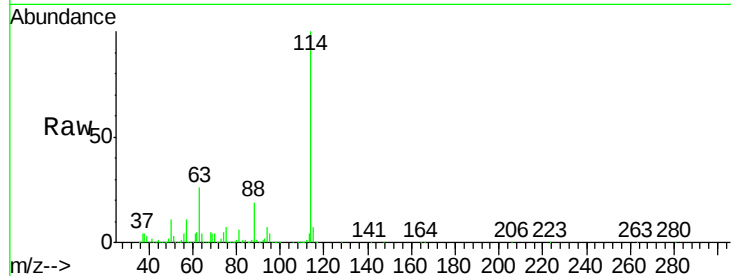
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL036637.D
 Acq: 1 Apr 2021 20:43

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.4	33.6
88	18.9	15.4	23.0

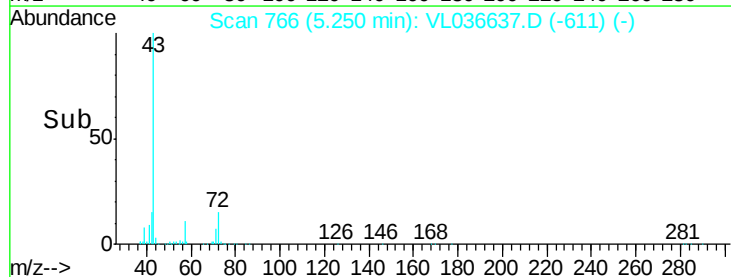
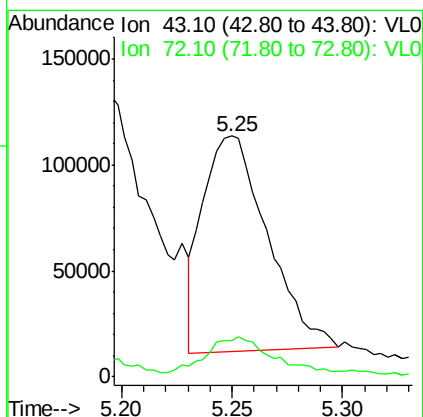
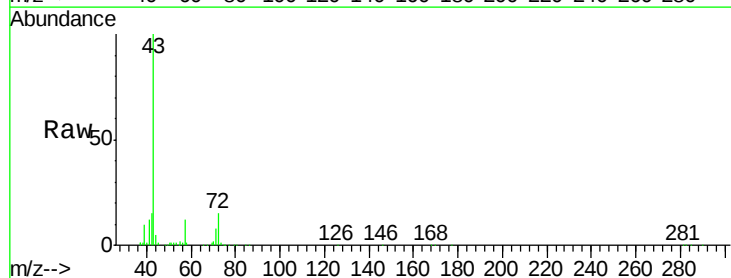
Manual Integrations
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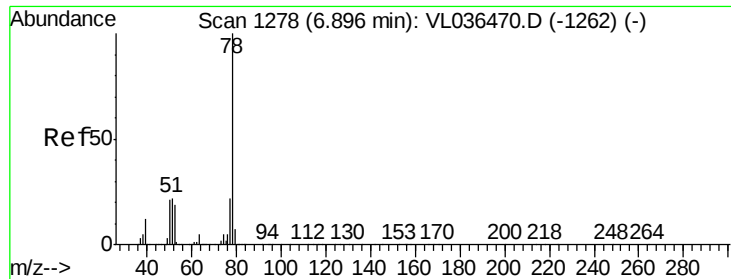
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#34
 2-Butanone
 Concen: 1.290 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL036637.D
 Acq: 1 Apr 2021 20:43

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.0	25.6





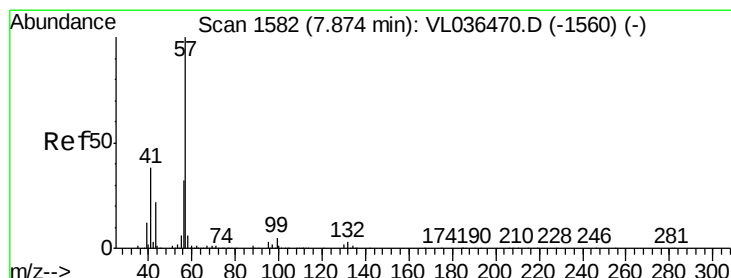
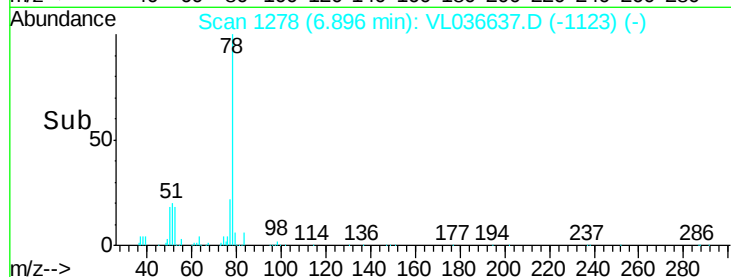
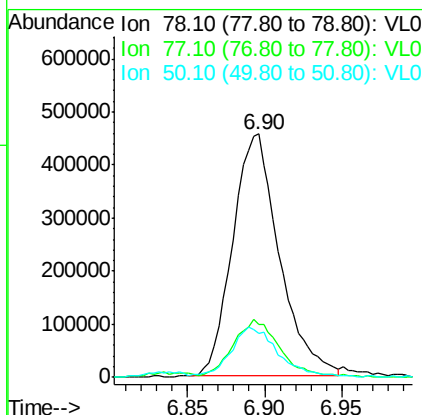
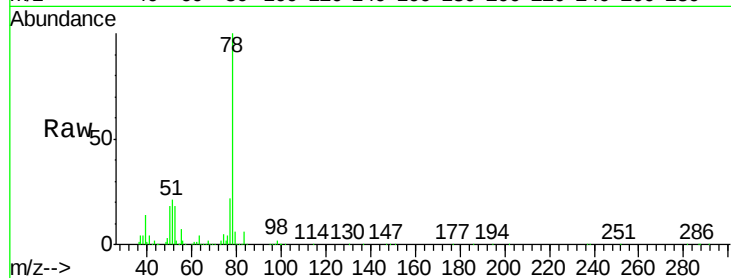
#36
Benzene
Concen: 3.182 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL036637.D
Acq: 1 Apr 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-3

Tot Ion	Ratio	Lower	Upper
78	100		
77	21.1	18.0	27.0
50	17.5	16.5	24.7

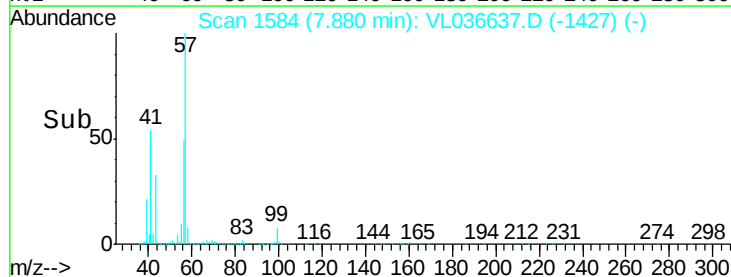
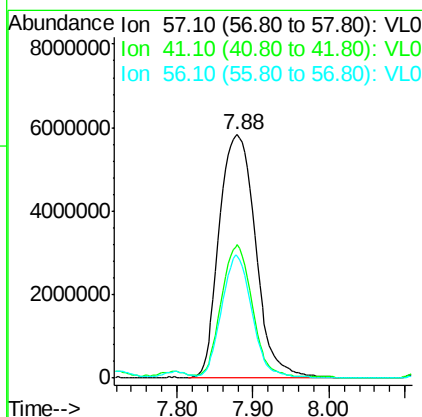
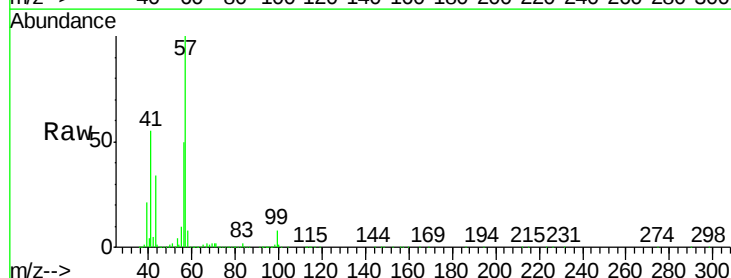
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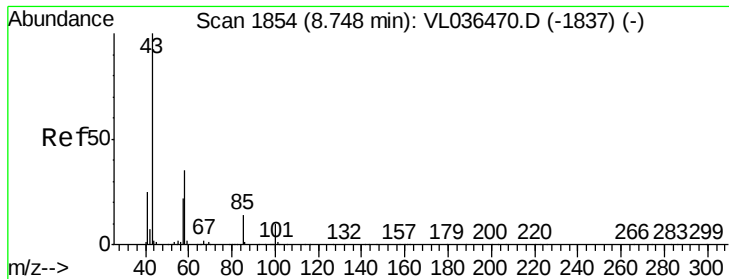
MMDadoda
4/2/2021 6:55:15 PM



#44
2,2,4-Trimethylpentane
Concen: 36.263 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL036637.D
Acq: 1 Apr 2021 20:43

Tgt Ion	Ratio	Lower	Upper
57	100		
41	47.6	28.8	43.2#
56	42.8	26.1	39.1#





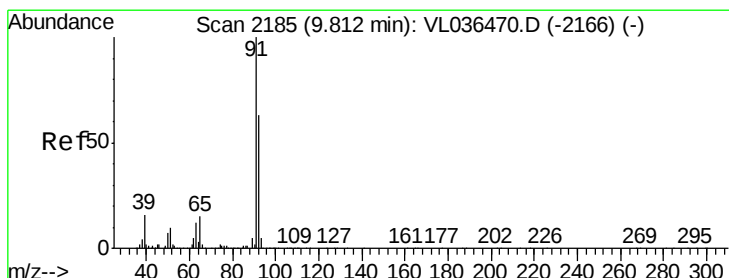
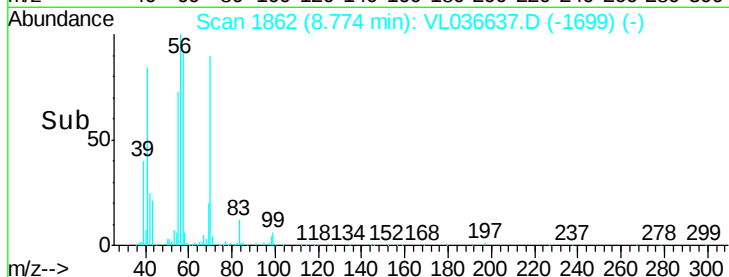
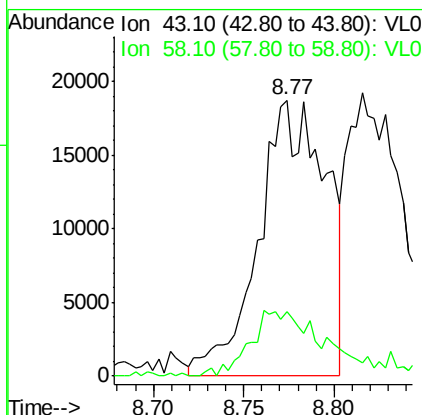
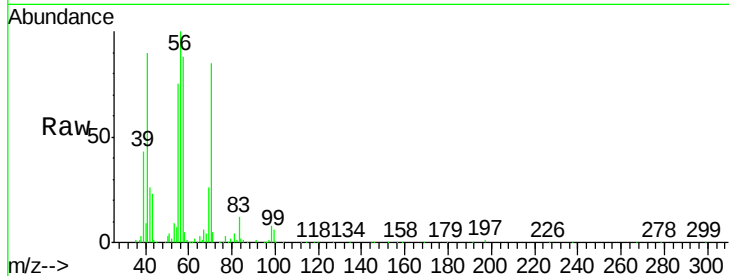
#50
4-Methyl-2-Pentanone
Concen: 0.209 ppbv m
RT: 8.77 min Scan# 1862
Delta R.T. 0.03 min
Lab File: VL036637.D
Acq: 1 Apr 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-3

Tot Ion: 43 Resp: 48310
Ion Ratio Lower Upper
43 100
58 25.7 28.2 42.2#

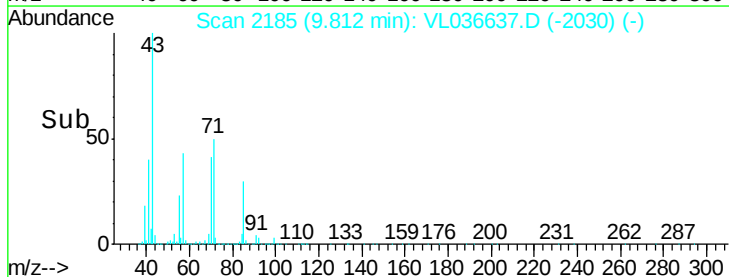
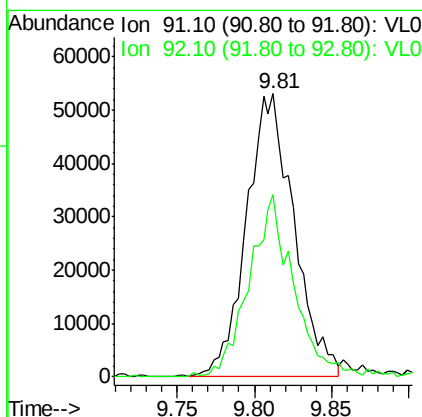
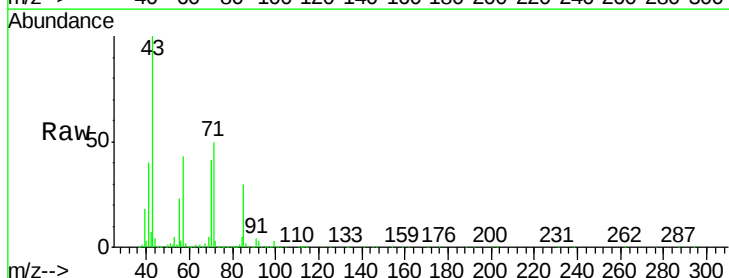
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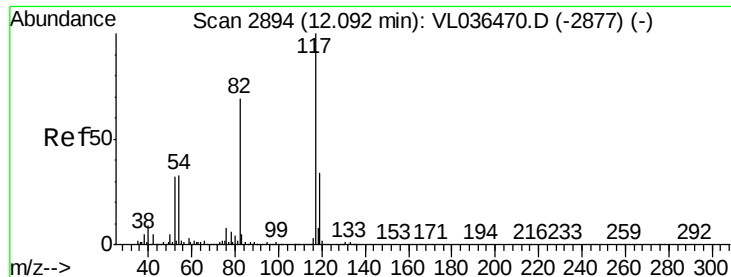
MMDadoda
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#53
Toluene
Concen: 0.353 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VL036637.D
Acq: 1 Apr 2021 20:43

Tgt Ion: 91 Resp: 113458
Ion Ratio Lower Upper
91 100
92 61.6 48.8 73.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL036637.D

Acq: 1 Apr 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-3

Tot Ion:117 Resp: 2872771

Ion Ratio Lower Upper

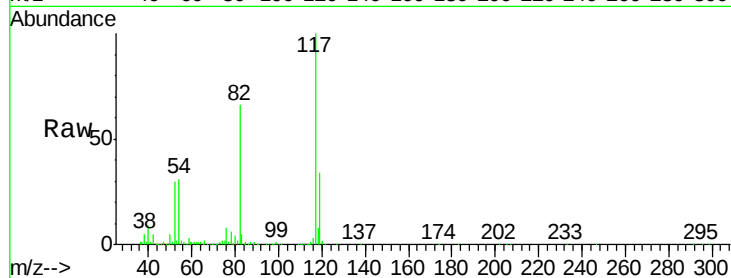
117 100

82 69.7 57.4 86.0

119 33.7 47.4 71.0#

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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

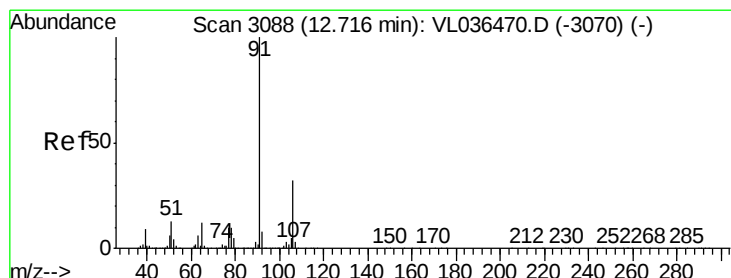
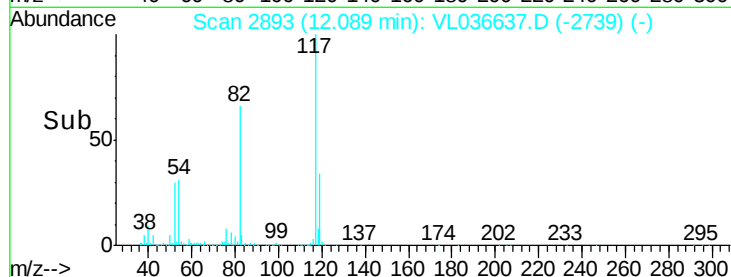
12.09

1000000

500000

0

Time-->



#58

Ethyl Benzene

Concen: 0.136 ppbv m

RT: 12.72 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VL036637.D

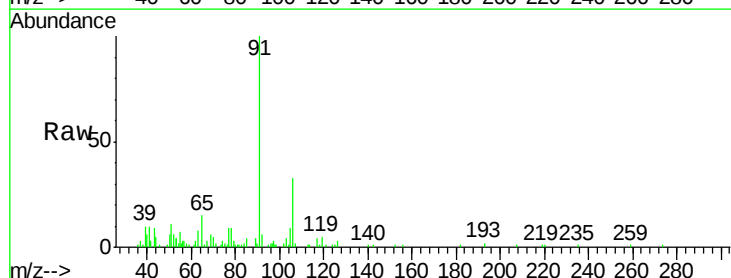
Acq: 1 Apr 2021 20:43

Tgt Ion: 91 Resp: 56754

Ion Ratio Lower Upper

91 100

106 32.5 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.72

25000

20000

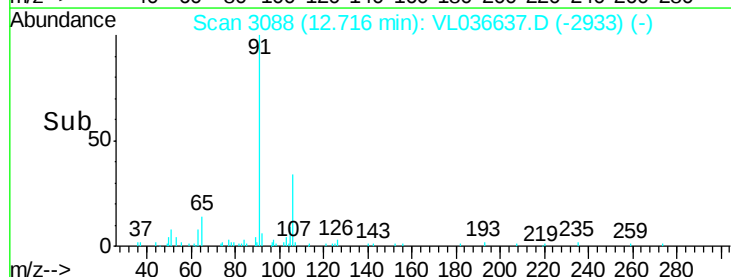
15000

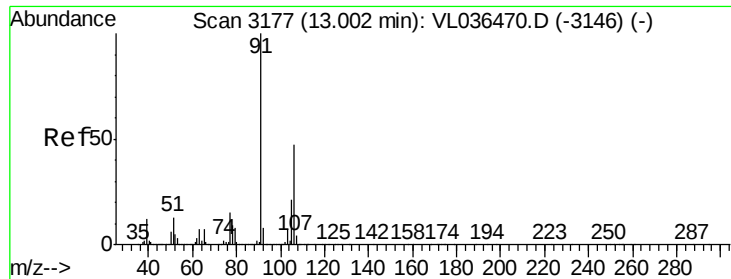
10000

5000

0

Time-->





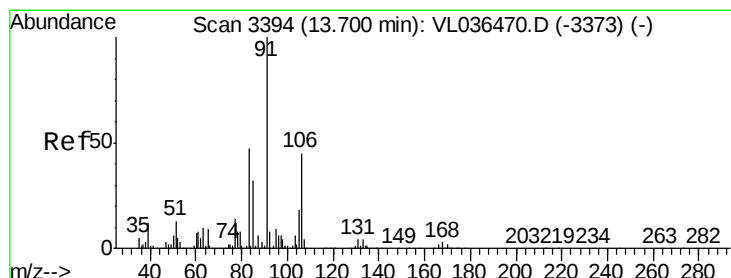
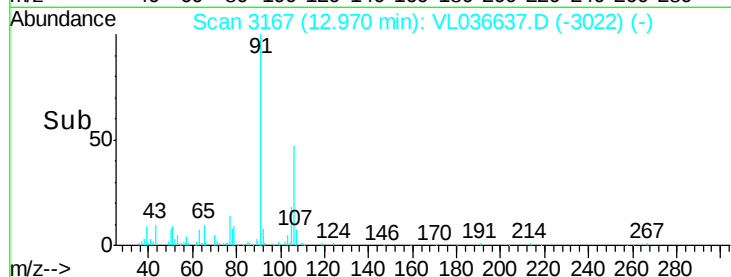
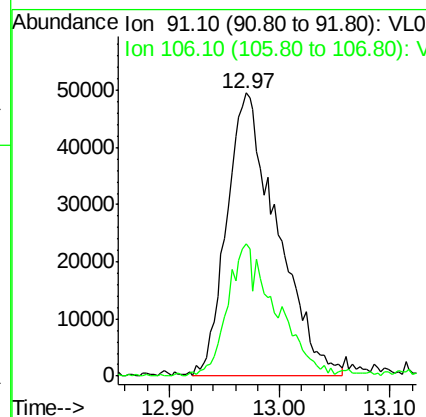
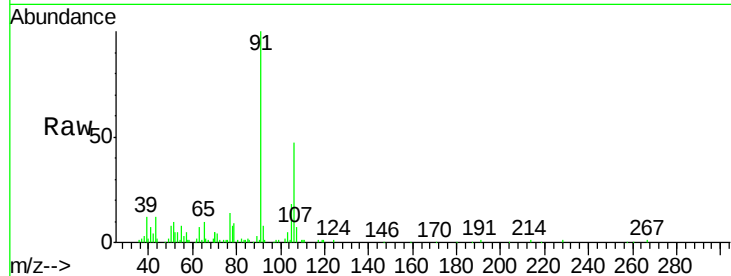
#59
m/p-Xylene
Concen: 0.428 ppbv
RT: 12.97 min Scan# 3167
Delta R.T. -0.03 min
Lab File: VL036637.D
Acq: 1 Apr 2021 20:43

Instrument :
MSVOA_L
ClientSampled :
PBS-SS-3

Tot Ion	Ratio	Lower	Upper
91	100		
106	45.7	35.3	52.9

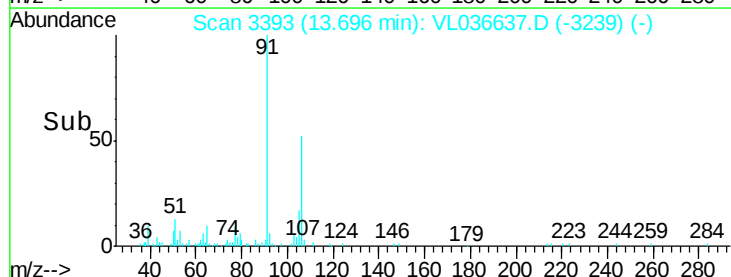
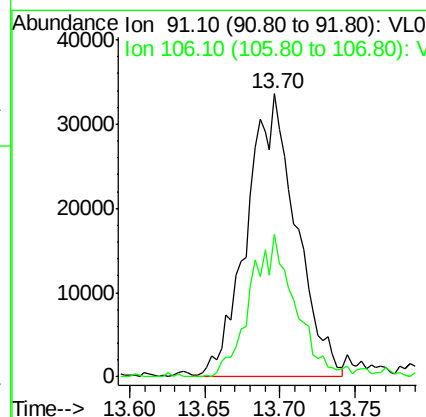
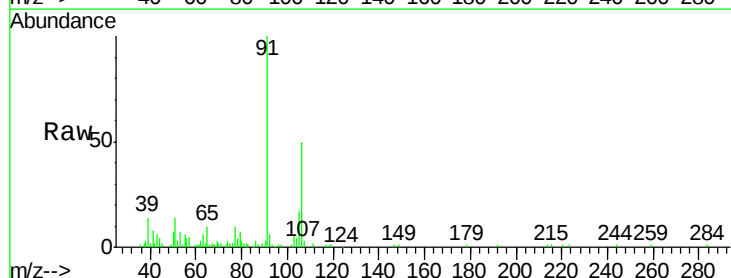
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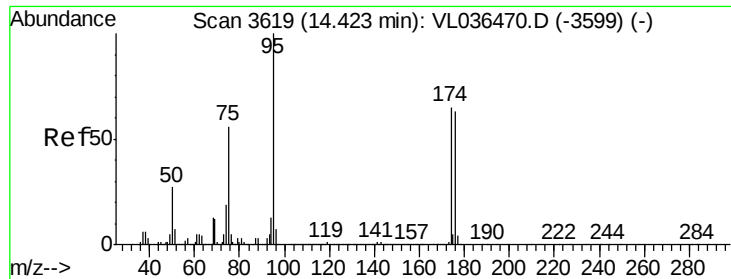
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#60
o-Xylene
Concen: 0.218 ppbv m
RT: 13.70 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL036637.D
Acq: 1 Apr 2021 20:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	47.9	22.3	66.9





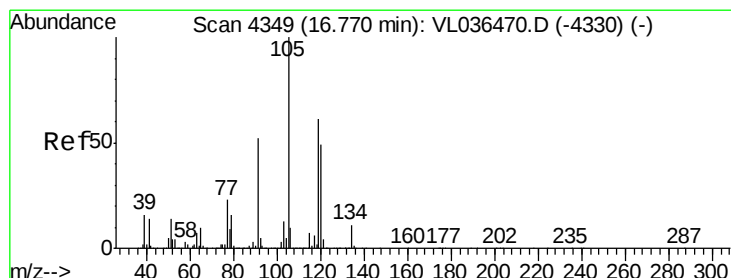
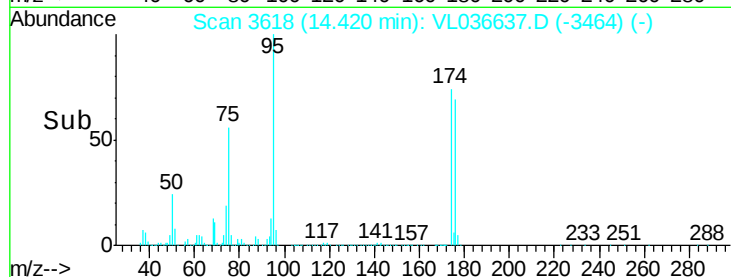
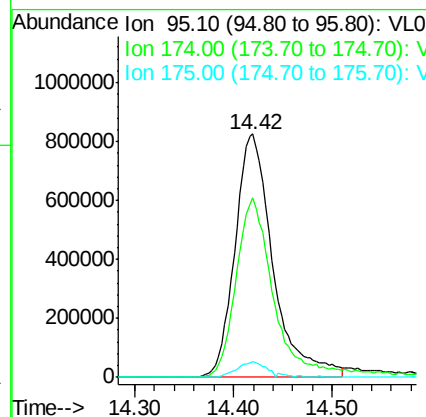
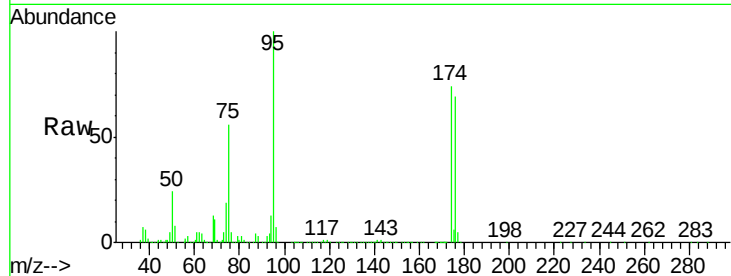
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.672 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. -0.00 min
 Lab File: VL036637.D
 Acq: 1 Apr 2021 20:43

Instrument :
 MSVOA_L
 ClientSampled :
 PBS-SS-3

Tot Ion: 95 Resp: 2214466
 Ion Ratio Lower Upper
 95 100
 174 76.0 51.0 76.6
 175 5.3 3.9 5.9

Manual Integrations
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 4/2/2021 6:55:15 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.250 ppbv m
 RT: 16.77 min Scan# 4350
 Delta R.T. 0.00 min
 Lab File: VL036637.D
 Acq: 1 Apr 2021 20:43

Tgt Ion:105 Resp: 96630
 Ion Ratio Lower Upper
 105 100
 120 44.2 39.2 58.8
 91 9.4 42.6 64.0#
 77 11.9 18.6 28.0#

