

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036672.D
 Acq On : 3 Apr 2021 9:05
 Operator : SY/AP
 Sample : M1834-02DL 60X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

Quant Time: Apr 04 18:56:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 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	1131575	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2919934	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	2593125	10.00	ppbv	-0.04

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.38	95	1990955	9.63	ppbv	-0.04	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	54419m	0.807	ppbv	
10) Heptane	8.10	43	75916m	0.442	ppbv	
13) Ethanol	3.60	45	25180m	3.137	ppbv	
15) Acetone	3.83	43	292750	2.629	ppbv #	18
26) Hexane	5.66	57	95320	0.776	ppbv #	46
30) Cyclohexane	7.10	84	20567m	0.206	ppbv	
34) 2-Butanone	5.22	43	1077079	7.557	ppbv	97
36) Benzene	6.86	78	78957m	0.293	ppbv	
44) 2,2,4-Trimethylpentane	7.84	57	1060742	2.238	ppbv	96
52) Tetrachloroethene	11.19	164	320418	3.231	ppbv	98
53) Toluene	9.77	91	136846	0.477	ppbv	95
58) Ethyl Benzene	12.68	91	204409	0.542	ppbv	93
59) m/p-Xylene	12.93	91	450662	1.370	ppbv	95
60) o-Xylene	13.66	91	143040m	0.450	ppbv	

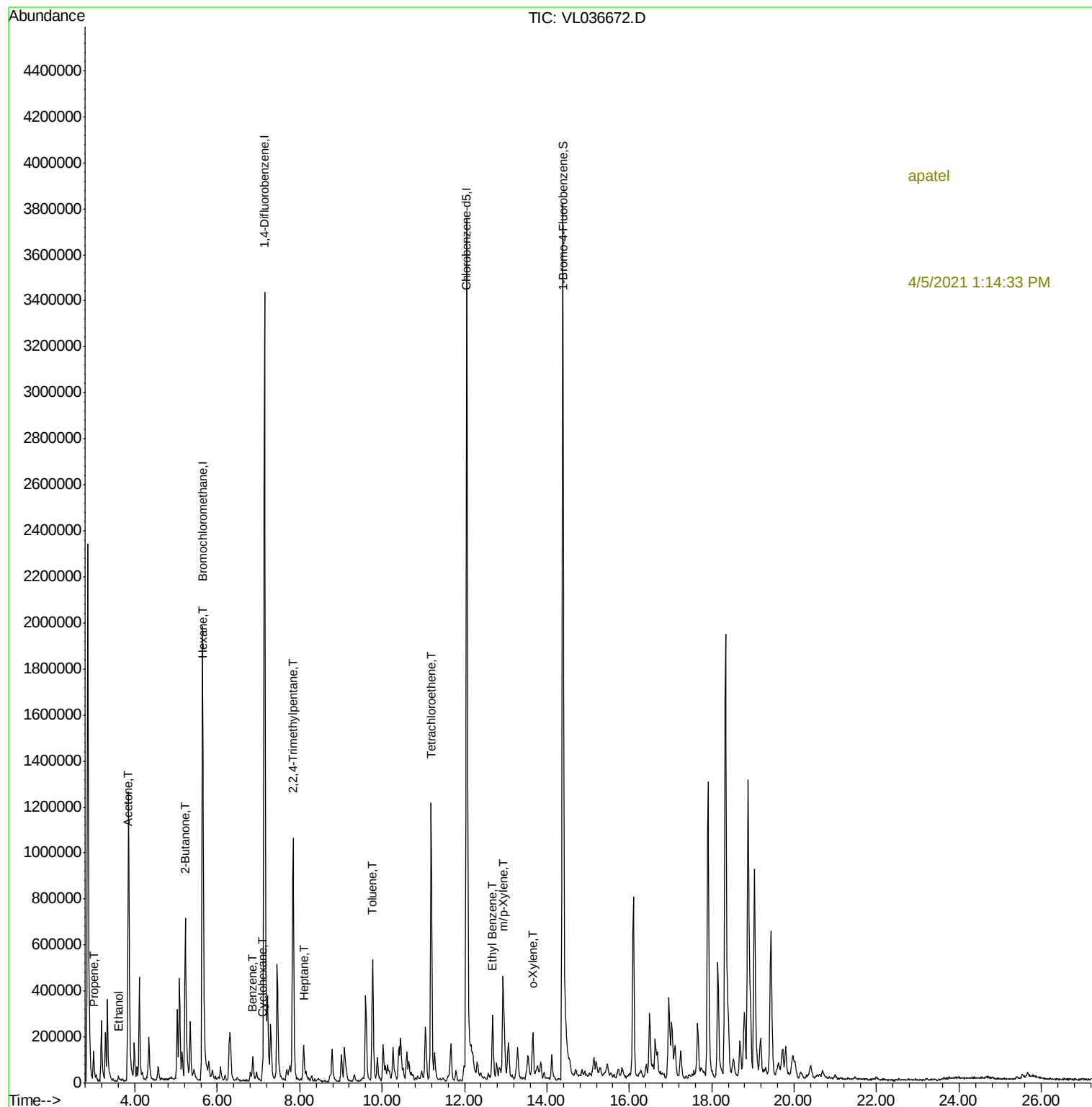
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\
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Manual Integrations
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Quant Time: Apr 04 18:56:10 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





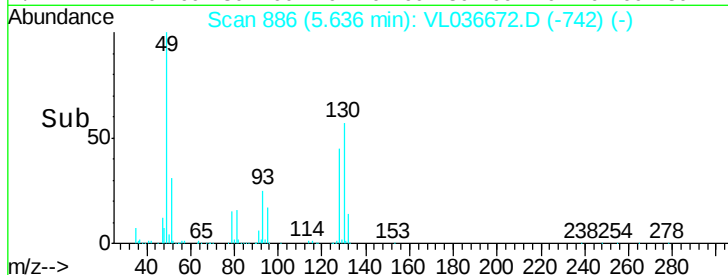
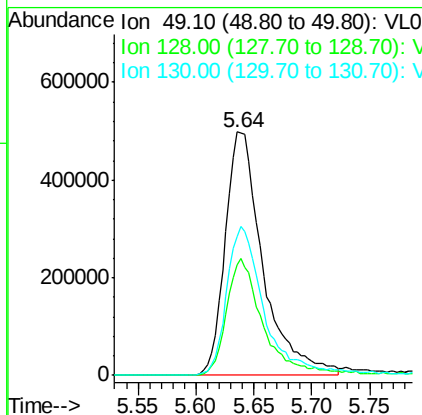
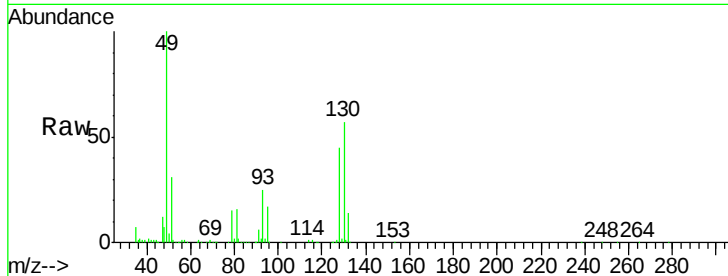
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Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 886
 Delta R.T. -0.04 min
 Lab File: VL036672.D
 Acq: 3 Apr 2021 9:05

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

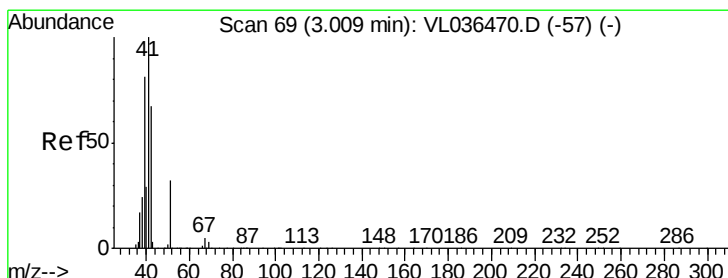
Tot Ion: 49 Resp: 1131575
 Ion Ratio Lower Upper
 49 100
 128 46.6 23.5 70.6
 130 61.5 29.1 87.4

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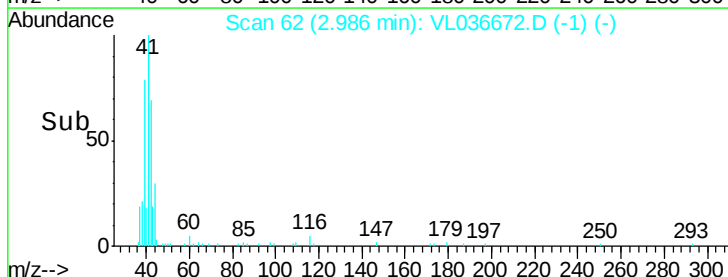
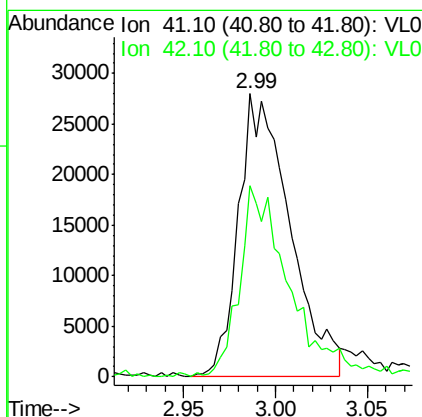
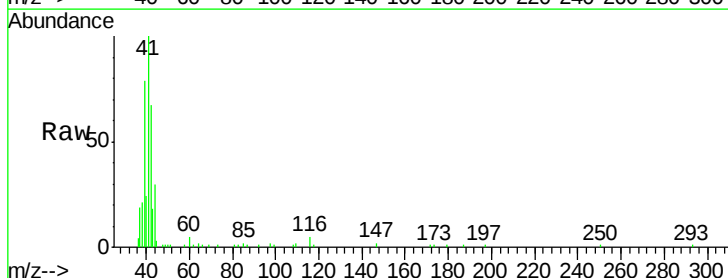
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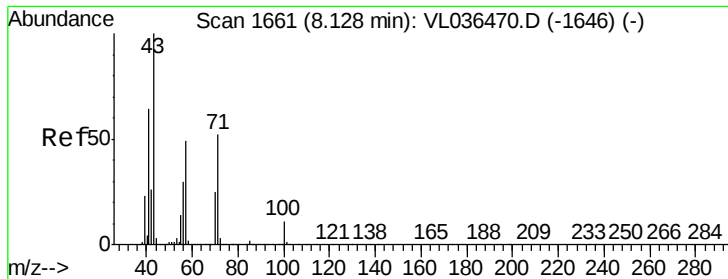


#9

Propene
 Concen: 0.807 ppbv m
 RT: 2.99 min Scan# 62
 Delta R.T. -0.02 min
 Lab File: VL036672.D
 Acq: 3 Apr 2021 9:05

Tgt Ion: 41 Resp: 54419
 Ion Ratio Lower Upper
 41 100
 42 0.0 57.0 85.4#



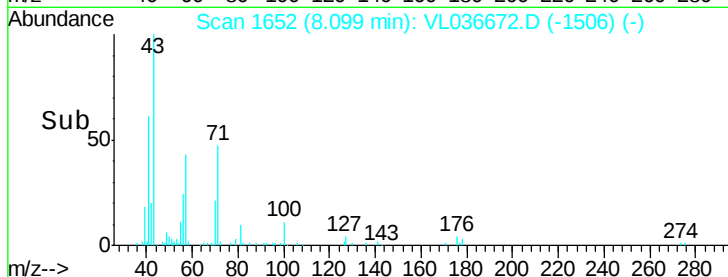
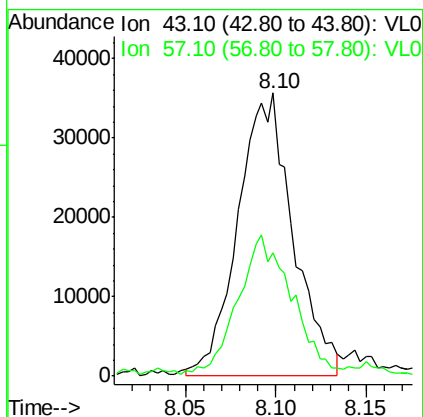
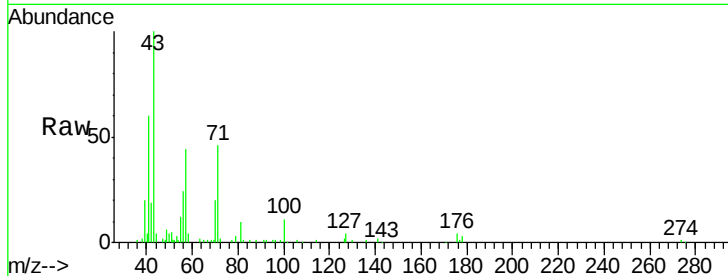


#10
Heptane
Concen: 0.442 ppbv m
RT: 8.10 min Scan# 1652
Delta R.T. -0.03 min
Lab File: VL036672.D
Acq: 3 Apr 2021 9:05

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

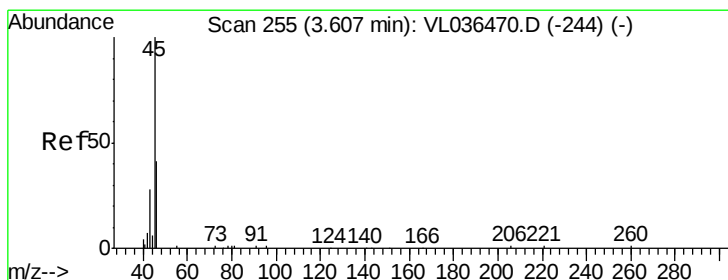
Tot Ion: 43 Resp: 75916
Ion Ratio Lower Upper
43 100
57 48.9 39.0 58.6

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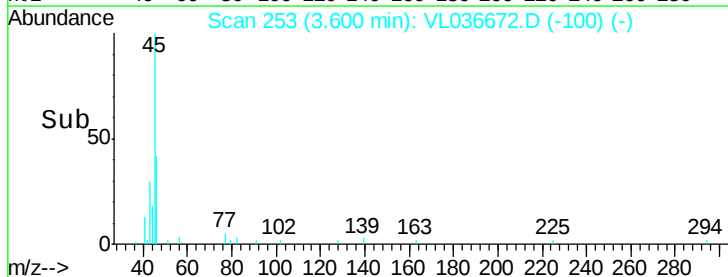
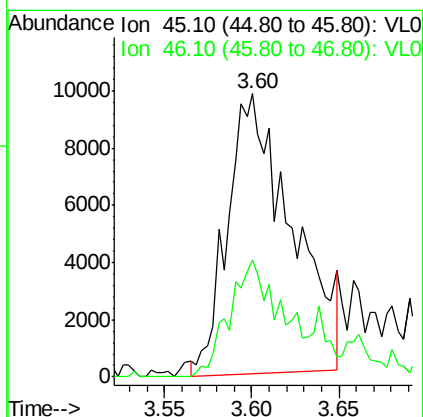
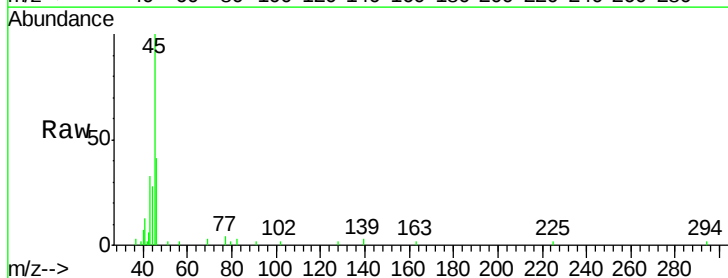
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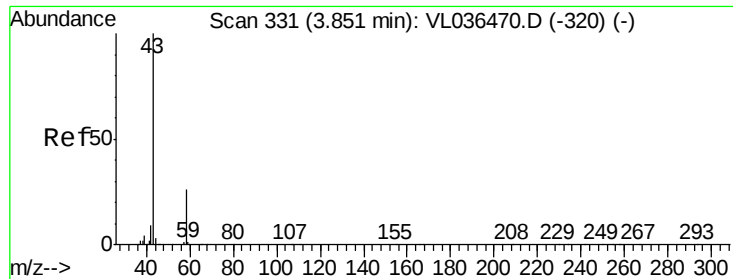
4/5/2021 1:14:33 PM



#13
Ethanol
Concen: 3.137 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL036672.D
Acq: 3 Apr 2021 9:05

Tgt Ion: 45 Resp: 25180
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#



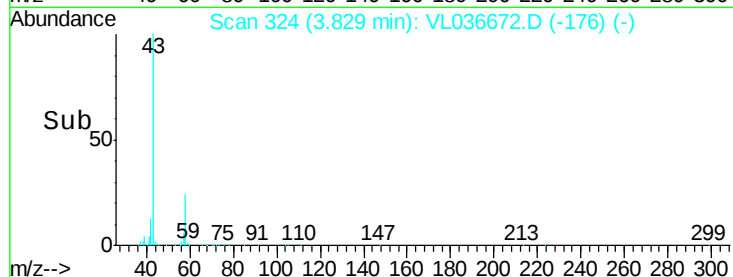
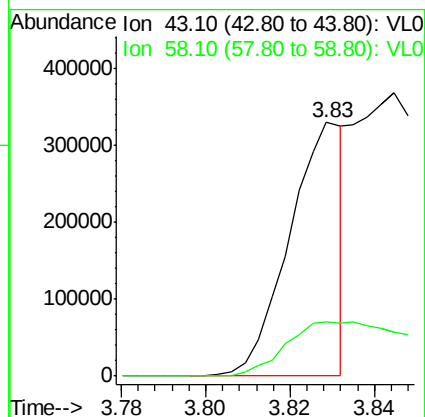
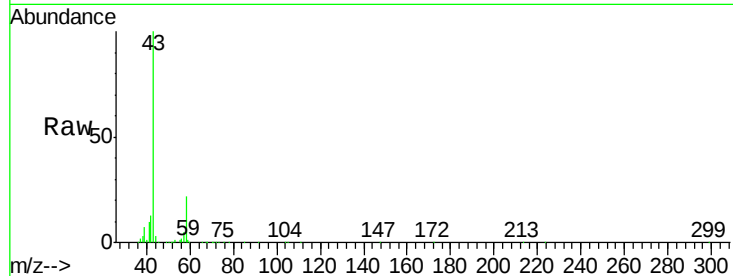


#15
Acetone
Concen: 2.629 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.02 min
Lab File: VL036672.D
Acq: 3 Apr 2021 9:05

Instrument :
MSVOA_L
ClientSampled :
SV2DL

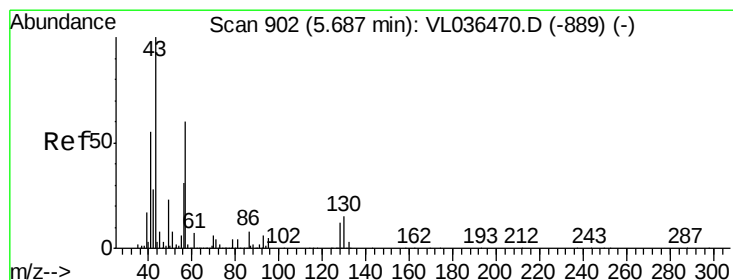
Tot Ion: 43 Resp: 292750
Ion Ratio Lower Upper
43 100
58 68.5 21.2 31.8#

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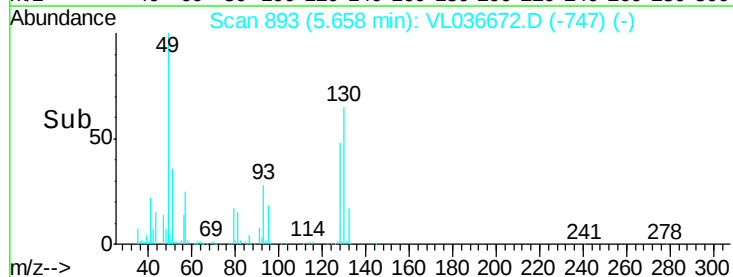
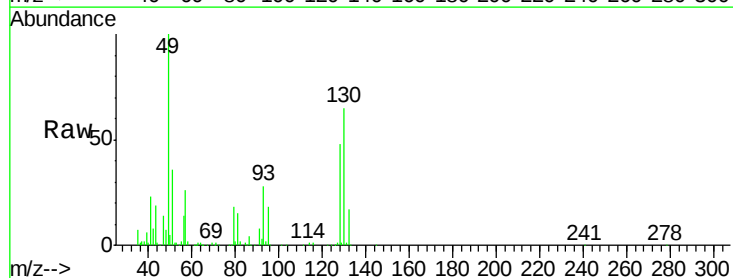
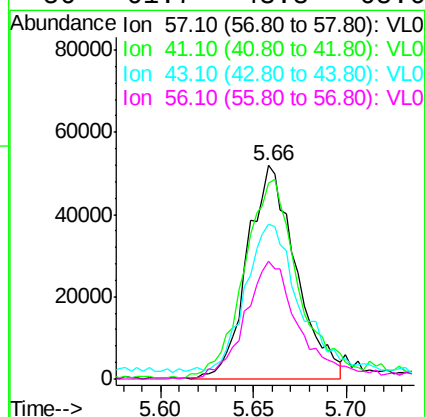
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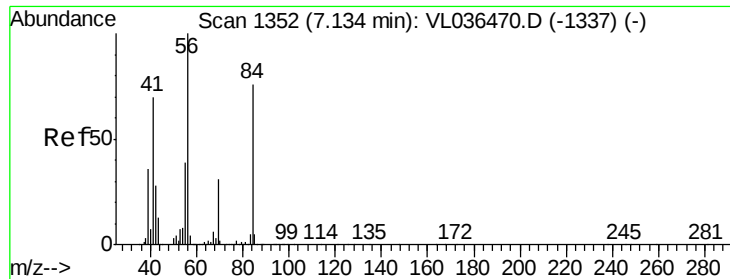
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#26
Hexane
Concen: 0.776 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL036672.D
Acq: 3 Apr 2021 9:05

Tgt Ion: 57 Resp: 95320
Ion Ratio Lower Upper
57 100
41 108.0 77.2 115.8
43 83.2 173.8 260.6#
56 61.7 43.8 65.6



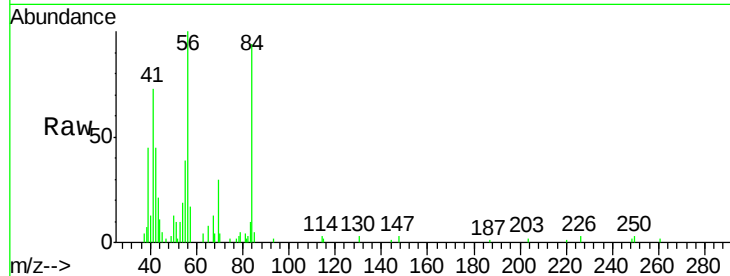


#30
Cyclohexane
Concen: 0.206 ppbv m
RT: 7.10 min Scan# 1340
Delta R.T. -0.04 min
Lab File: VL036672.D
Acq: 3 Apr 2021 9:05

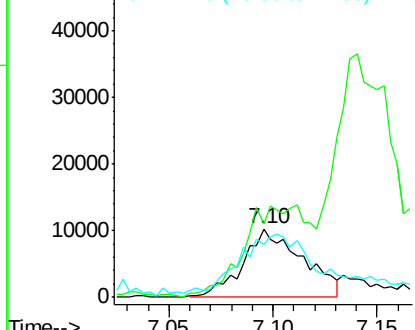
Instrument :
MSVOA_L
ClientSampled :
SV2DL

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	114.6	171.8#
41	0.0	75.3	112.9#

Manual Integrations
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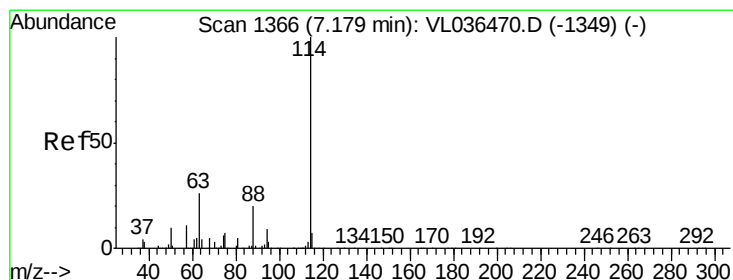
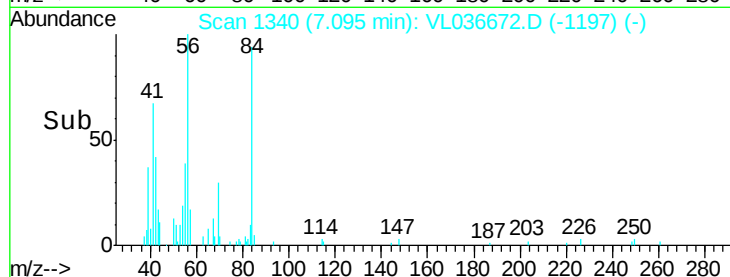


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0



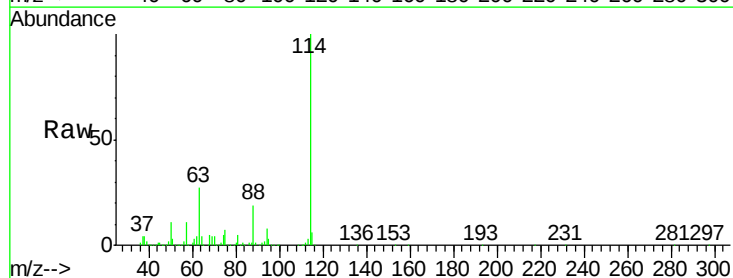
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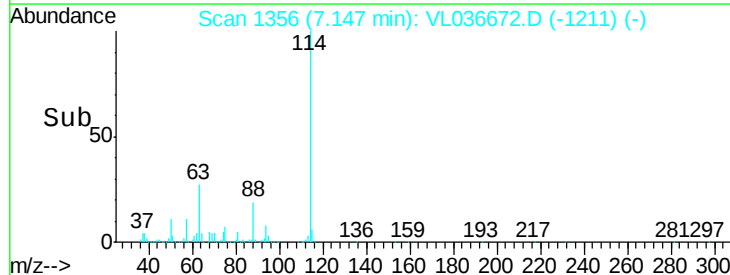
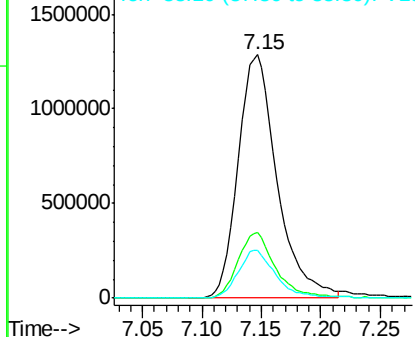


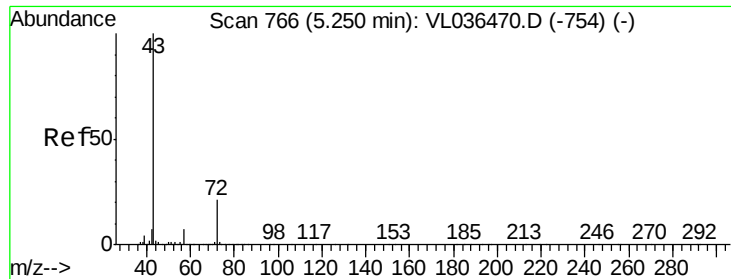
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL036672.D
Acq: 3 Apr 2021 9:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.6	22.4	33.6
88	19.2	15.4	23.0



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0



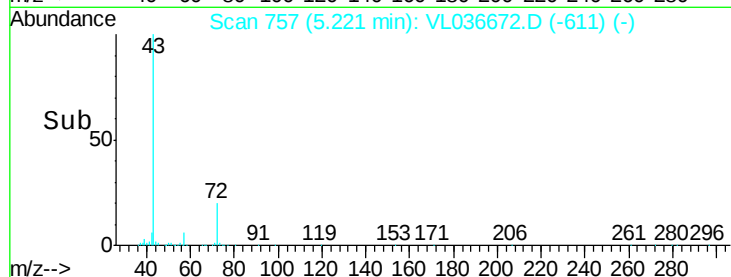
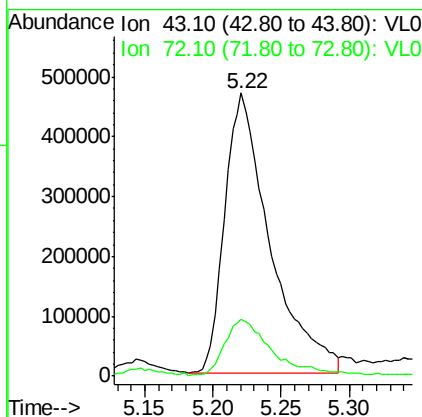
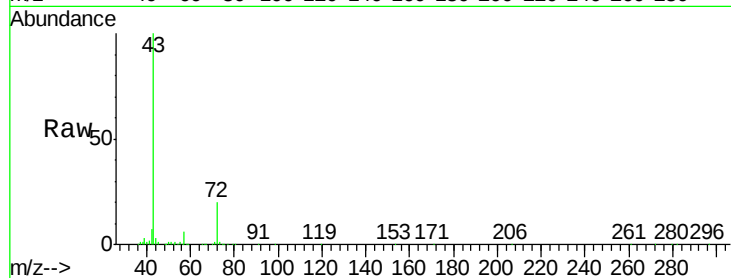


#34
2-Butanone
Concen: 7.557 ppbv
RT: 5.22 min Scan# 757
Delta R.T. -0.03 min
Lab File: VL036672.D
Acq: 3 Apr 2021 9:05

Instrument :
MSVOA_L
ClientSampled :
SV2DL

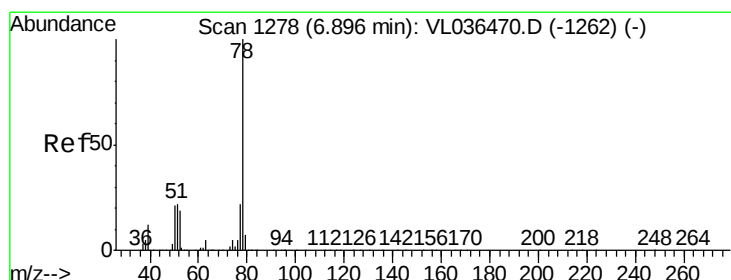
Tot Ion: 43 Resp: 1077079
Ion Ratio Lower Upper
43 100
72 22.5 17.0 25.6

Manual Integrations
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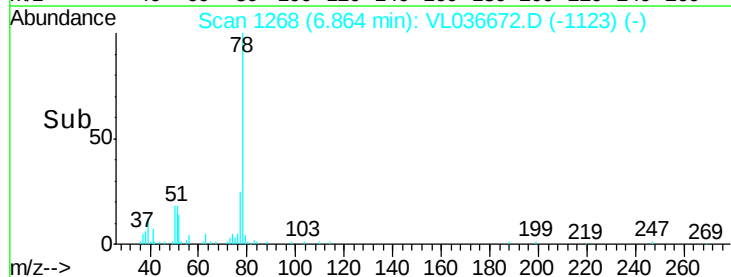
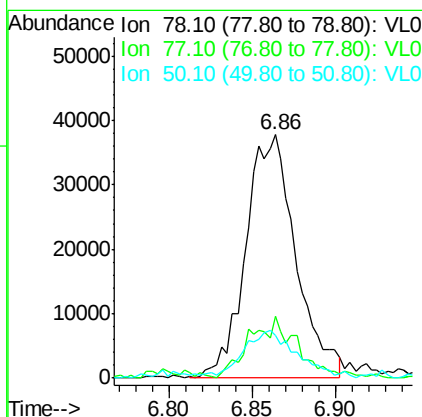
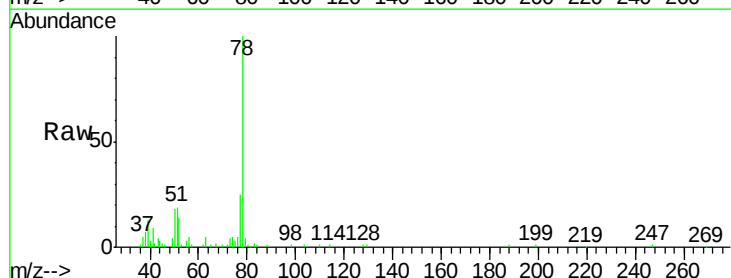
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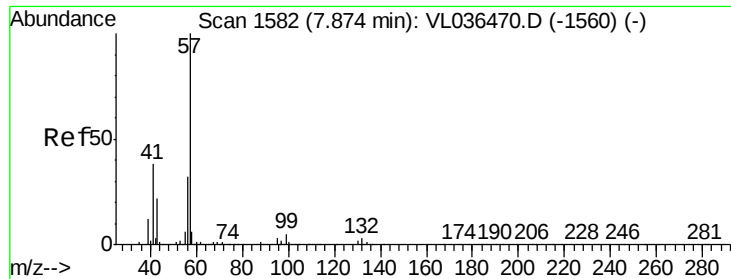
4/5/2021 1:14:33 PM



#36
Benzene
Concen: 0.293 ppbv m
RT: 6.86 min Scan# 1268
Delta R.T. -0.03 min
Lab File: VL036672.D
Acq: 3 Apr 2021 9:05

Tgt Ion: 78 Resp: 78957
Ion Ratio Lower Upper
78 100
77 25.5 18.0 27.0
50 17.6 16.5 24.7



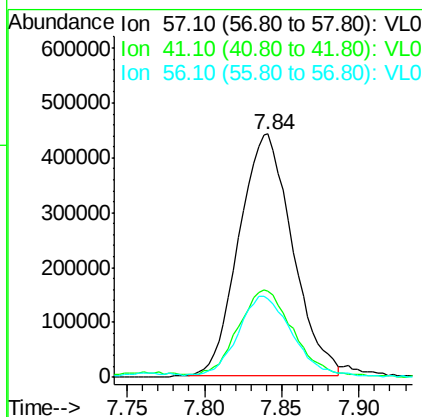
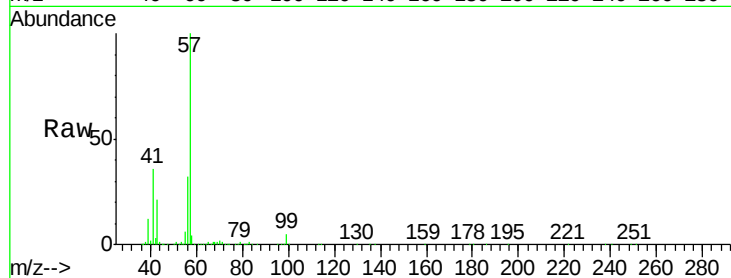


#44
2,2,4-Trimethylpentane
Concen: 2.238 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.03 min
Lab File: VL036672.D
Acq: 3 Apr 2021 9:05

Instrument :
MSVOA_L
ClientSampleID :
SV2DL

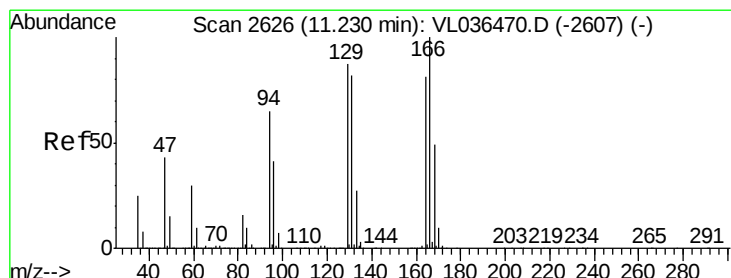
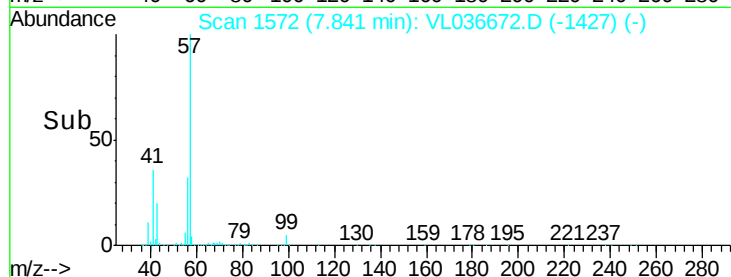
Tot Ion	57	Resp	1060742
Ion	Ratio	Lower	Upper
57	100		
41	37.6	28.8	43.2
56	35.4	26.1	39.1

Manual Integrations
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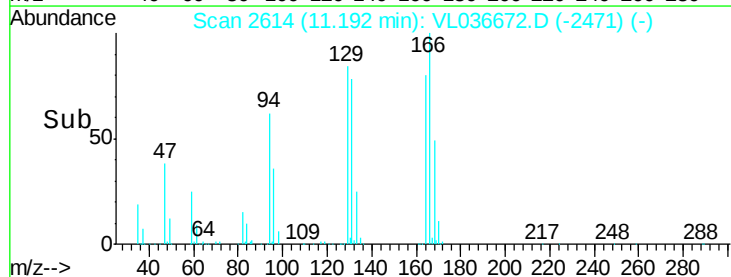
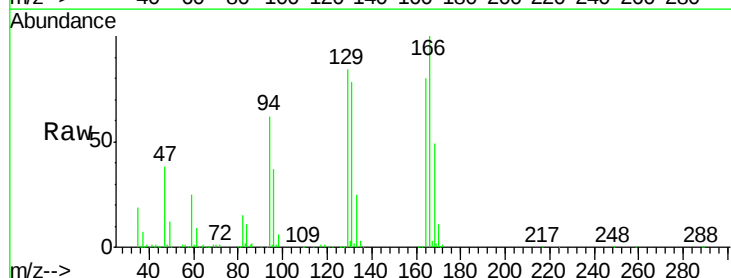
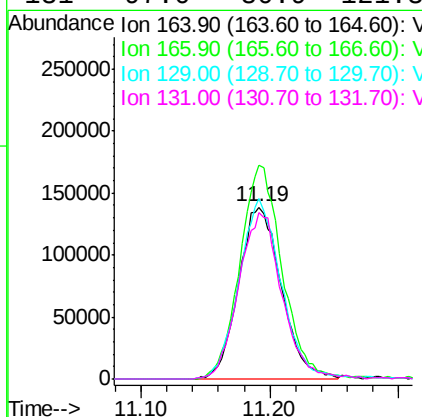
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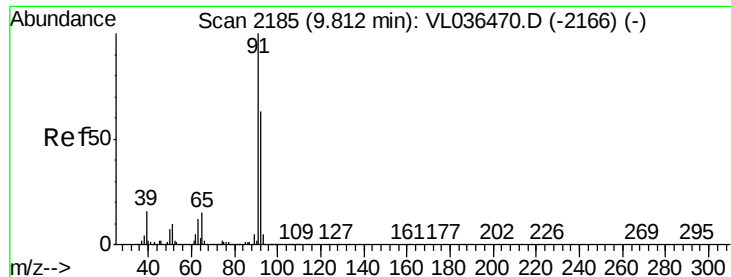
4/5/2021 1:14:33 PM



#52
Tetrachloroethene
Concen: 3.231 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.04 min
Lab File: VL036672.D
Acq: 3 Apr 2021 9:05

Tgt Ion	164	Resp	320418
Ion	Ratio	Lower	Upper
164	100		
166	124.2	98.3	147.5
129	105.0	85.8	128.8
131	97.0	80.9	121.3





#53

Toluene

Concen: 0.477 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.04 min

Lab File: VL036672.D

Acq: 3 Apr 2021 9:05

Instrument :

MSVOA_L

ClientSampled :

SV2DL

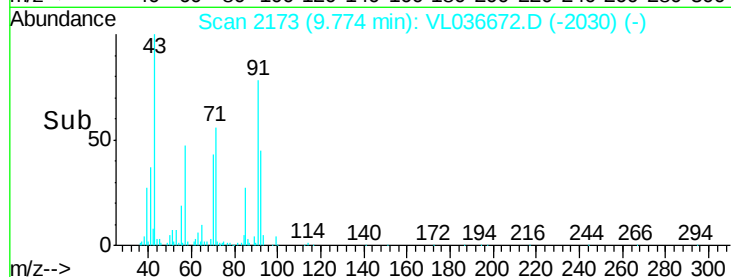
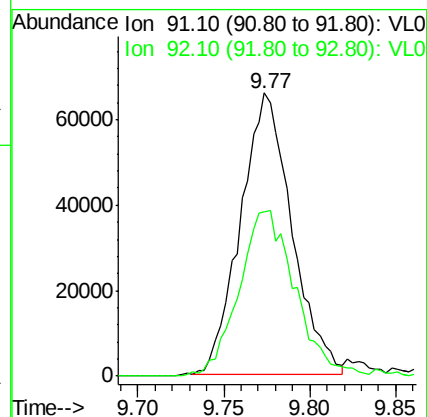
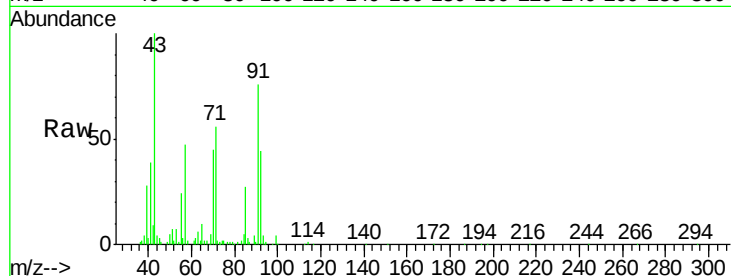
Tot Ion: 91 Resp: 136846

Ion Ratio Lower Upper

91 100

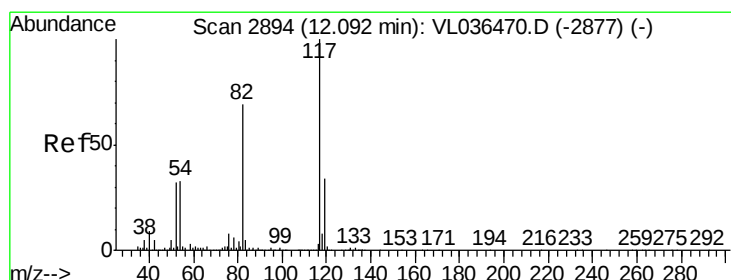
92 65.0 48.8 73.2

Manual Integrations
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4/5/2021 1:14:33 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2882

Delta R.T. -0.04 min

Lab File: VL036672.D

Acq: 3 Apr 2021 9:05

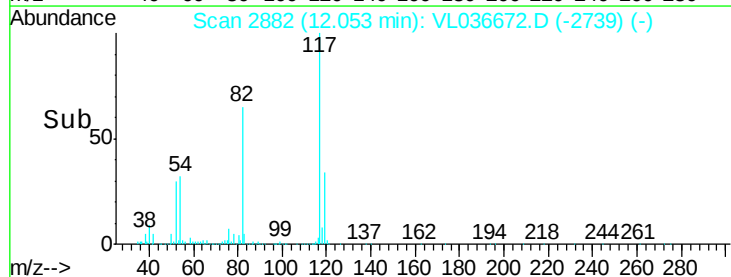
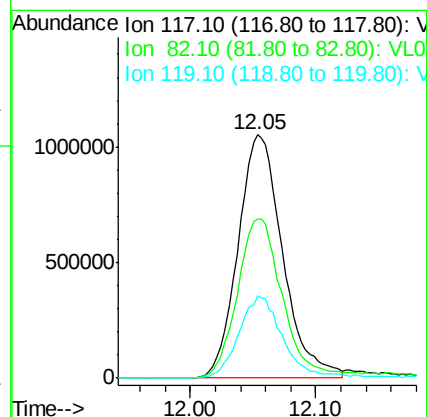
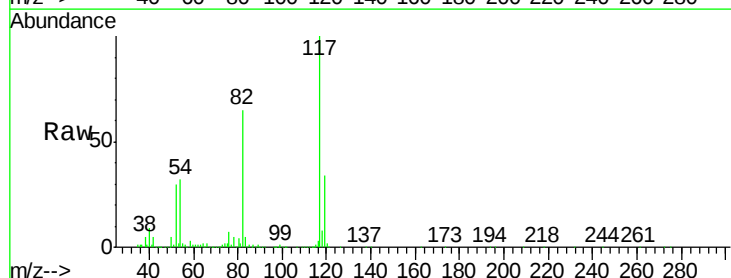
Tgt Ion: 117 Resp: 2593125

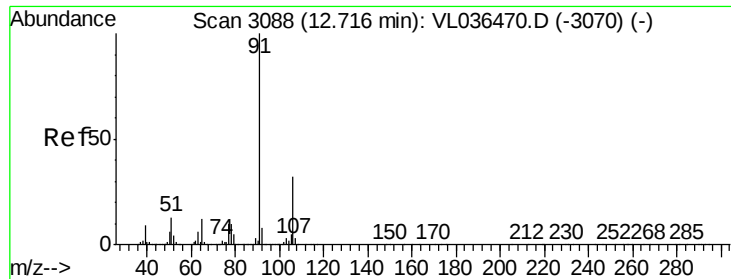
Ion Ratio Lower Upper

117 100

82 66.7 57.4 86.0

119 34.3 47.4 71.0#





#58

Ethyl Benzene

Concen: 0.542 ppbv

RT: 12.68 min Scan# 3076

Delta R.T. -0.04 min

Lab File: VL036672.D

Acq: 3 Apr 2021 9:05

Instrument :

MSVOA_L

ClientSampleID :

SV2DL

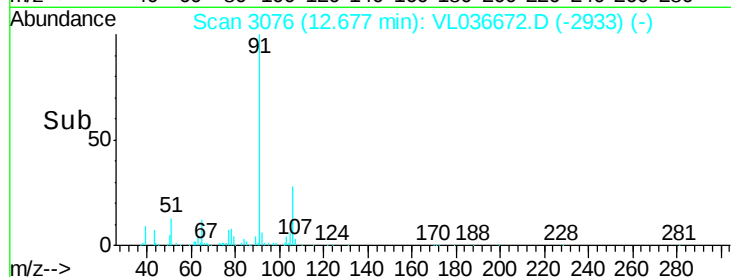
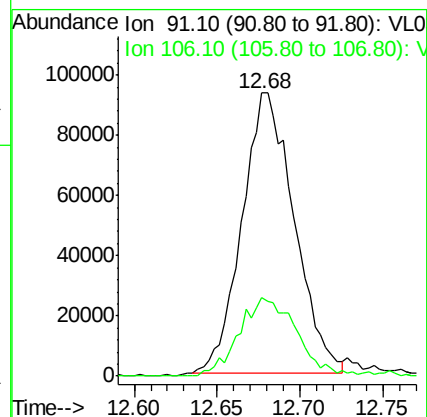
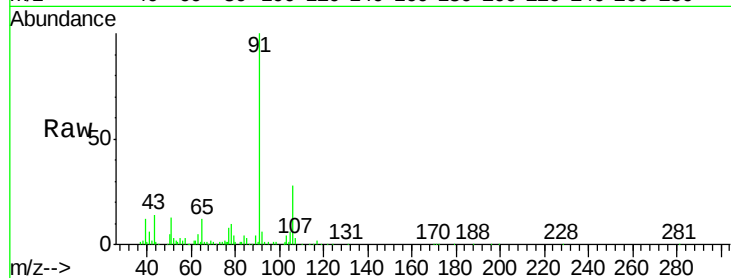
Tot Ion: 91 Resp: 204409

Ion Ratio Lower Upper

91 100

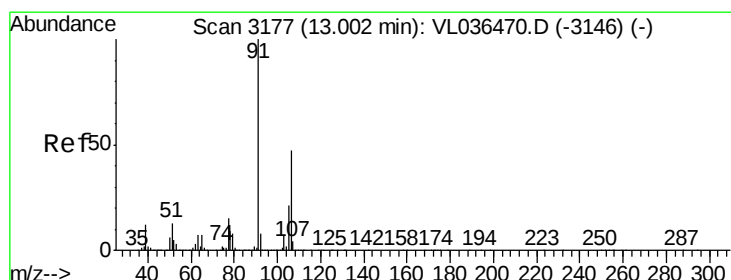
106 27.7 25.3 37.9

Manual Integrations
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4/5/2021 1:14:33 PM



#59

m/p-Xylene

Concen: 1.370 ppbv

RT: 12.93 min Scan# 3156

Delta R.T. -0.07 min

Lab File: VL036672.D

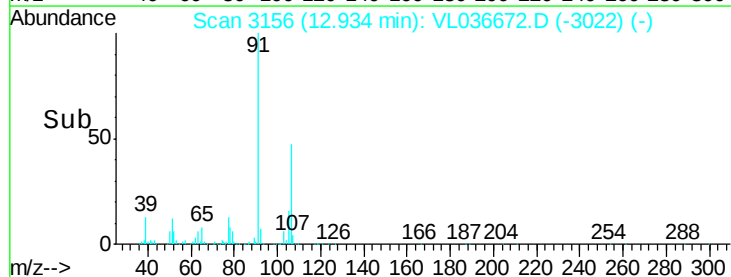
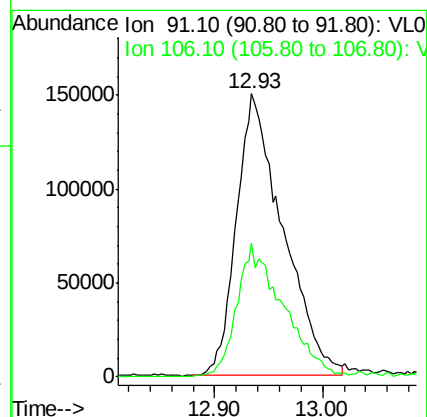
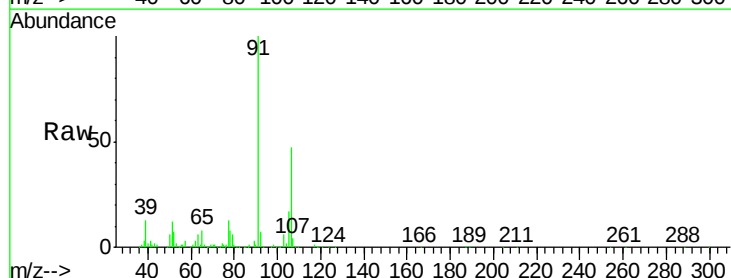
Acq: 3 Apr 2021 9:05

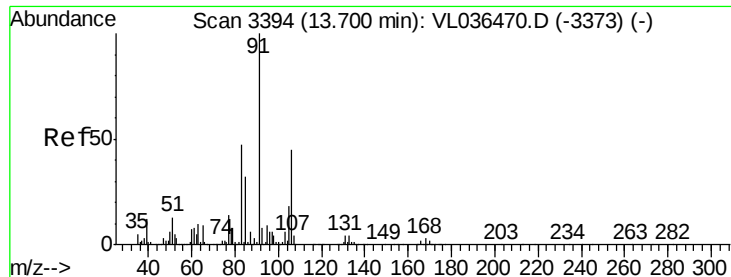
Tgt Ion: 91 Resp: 450662

Ion Ratio Lower Upper

91 100

106 47.3 35.3 52.9



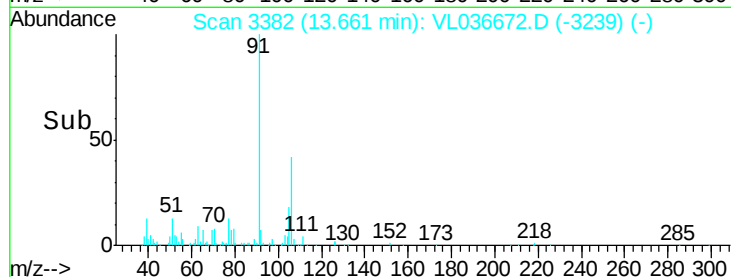
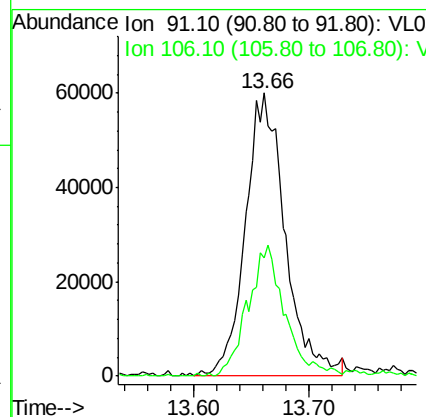
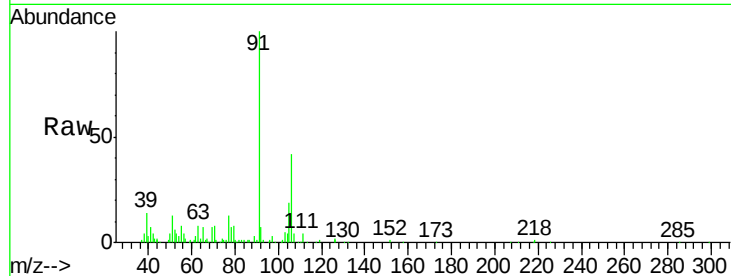


#60
o-Xylene
Concen: 0.450 ppbv m
RT: 13.66 min Scan# 3382
Delta R.T. -0.04 min
Lab File: VL036672.D
Acq: 3 Apr 2021 9:05

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

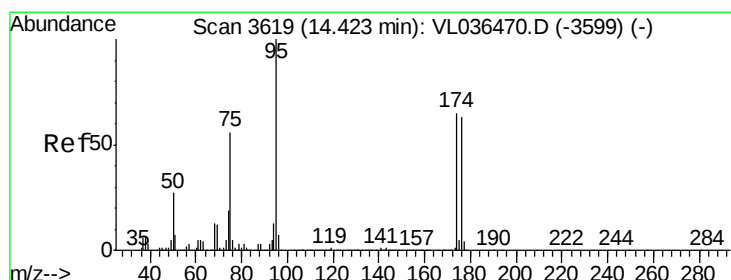
Tot Ion: 91 Resp: 143040
Ion Ratio Lower Upper
91 100
106 44.2 22.3 66.9

Manual Integrations
APPROVED



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#68
1-Bromo-4-Fluorobenzene
Concen: 9.633 ppbv
RT: 14.38 min Scan# 3607
Delta R.T. -0.04 min
Lab File: VL036672.D
Acq: 3 Apr 2021 9:05

Tgt Ion: 95 Resp: 1990955
Ion Ratio Lower Upper
95 100
174 75.0 51.0 76.6
175 5.7 3.9 5.9

