

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040221\
 Data File : VL036653.D
 Acq On : 2 Apr 2021 20:22
 Operator : SY/AP
 Sample : M1841-07DL DUP 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-2DL DUP

Manual Integrations
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Quant Time: Apr 04 16:48:26 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	5.65	49	1313911	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3437321	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3049359	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2337691	9.62	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	38376	0.490	ppbv	92
10) Heptane	8.10	43	32909m	0.165	ppbv	
13) Ethanol	3.60	45	218955m	23.494	ppbv	
15) Acetone	3.83	43	3074088	23.771	ppbv	100
17) tert-Butyl alcohol	4.29	59	68355m	0.607	ppbv	
19) Isopropyl Alcohol	3.95	45	1859202	26.135	ppbv #	96
20) Methylene Chloride	4.33	84	185599	3.065	ppbv	93
26) Hexane	5.67	57	187590	1.315	ppbv #	48
27) Carbon Disulfide	4.53	76	16812m	0.120	ppbv	
34) 2-Butanone	5.23	43	137182	0.818	ppbv #	86
52) Tetrachloroethene	11.20	164	8640m	0.074	ppbv	
53) Toluene	9.78	91	77438	0.229	ppbv	99
59) m/p-Xylene	12.95	91	138137m	0.357	ppbv	
60) o-Xylene	13.67	91	66011m	0.176	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	55886m	0.136	ppbv	

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

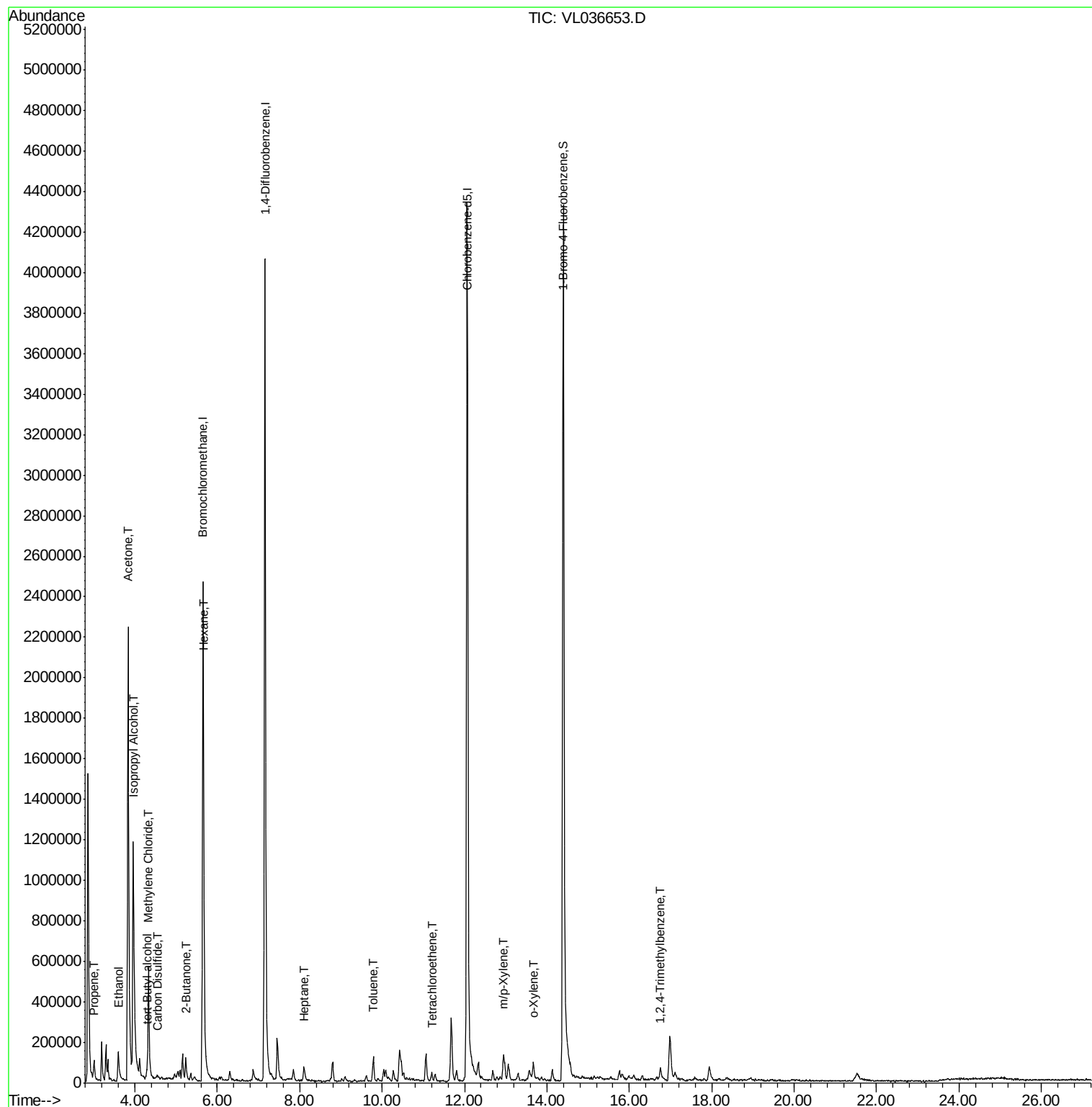
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040221\
Data File : VL036653.D
Acq On : 2 Apr 2021 20:22
Operator : SY/AP
Sample : M1841-07DLUP 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

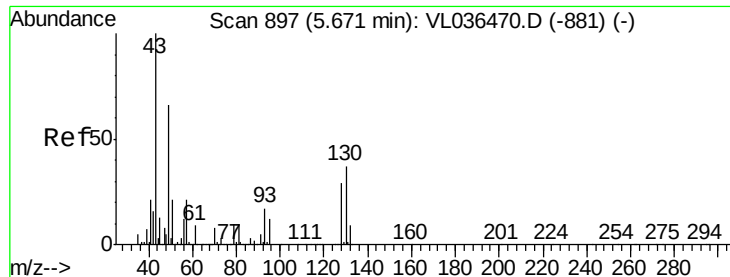
Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-2DLUP

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Quant Time: Apr 04 16:48:26 2021
Quant Method : Z:\VOASRV\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: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL036653.D

Acq: 2 Apr 2021 20:22

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-2DLDUP

Tot Ion: 49 Resp: 1313911

Ion Ratio Lower Upper

49 100

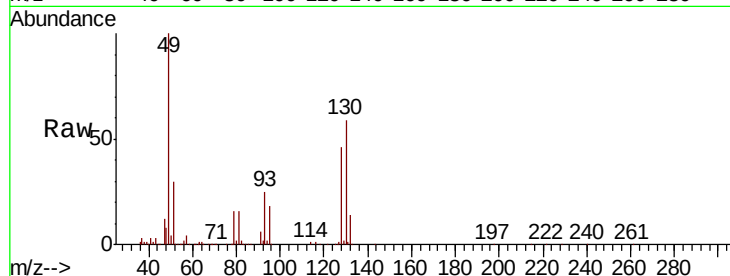
128 49.3 23.5 70.6

130 62.9 29.1 87.4

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

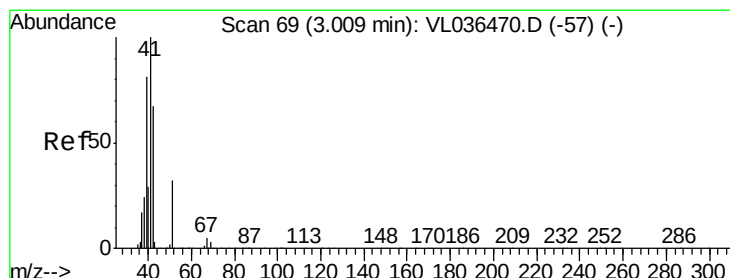
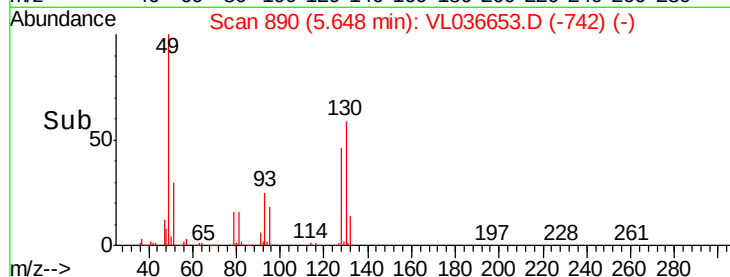
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#9

Propene

Concen: 0.490 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL036653.D

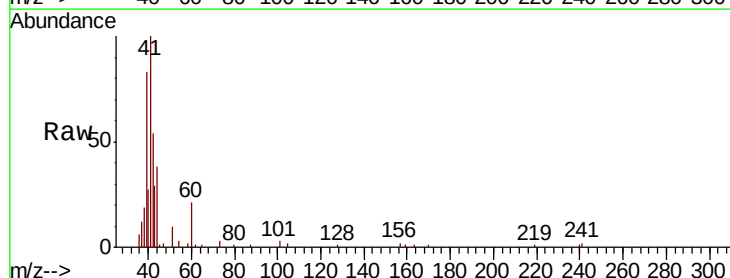
Acq: 2 Apr 2021 20:22

Tgt Ion: 41 Resp: 38376

Ion Ratio Lower Upper

41 100

42 64.6 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

20000

15000

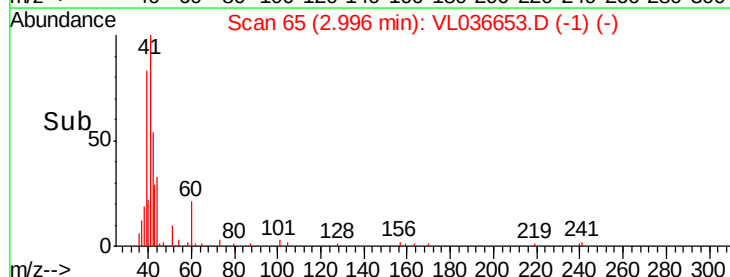
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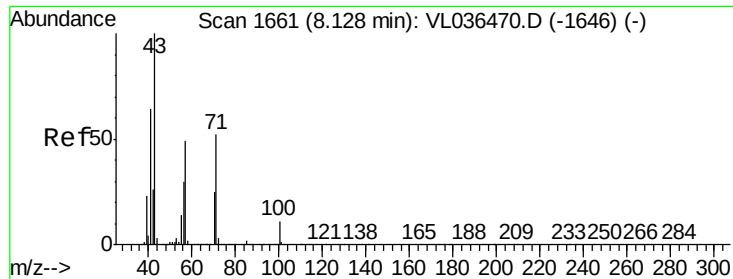
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0

2.95 3.00 3.05

Time-->





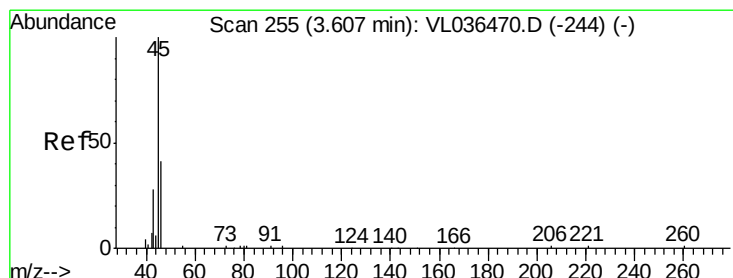
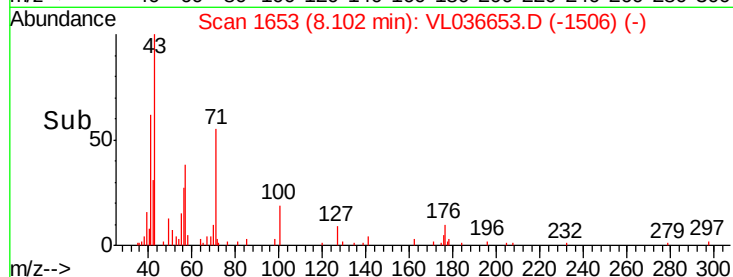
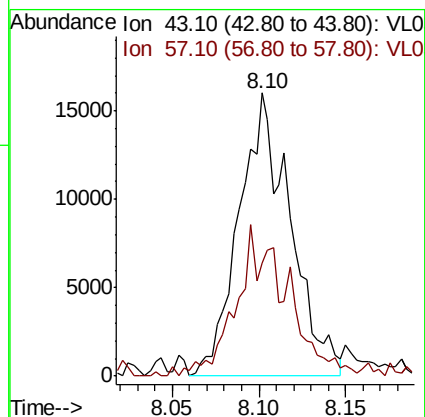
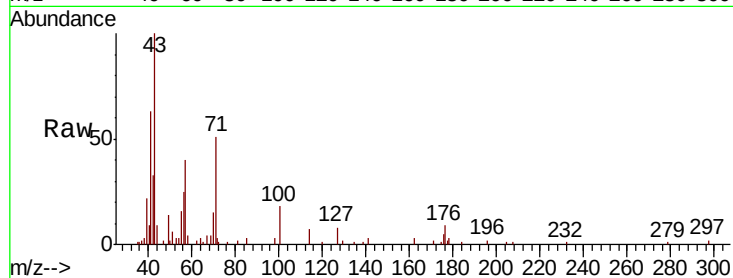
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Heptane
Concen: 0.165 ppbv m
RT: 8.10 min Scan# 1653
Delta R.T. -0.03 min
Lab File: VL036653.D
Acq: 2 Apr 2021 20:22

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-2DLDUP

Tot Ion: 43 Resp: 32909
Ion Ratio Lower Upper
43 100
57 48.6 39.0 58.6

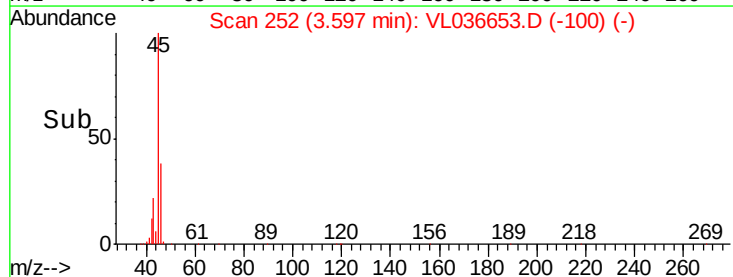
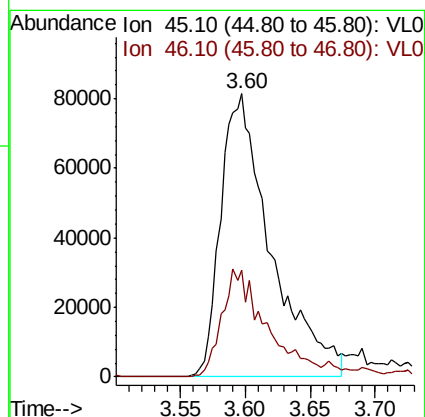
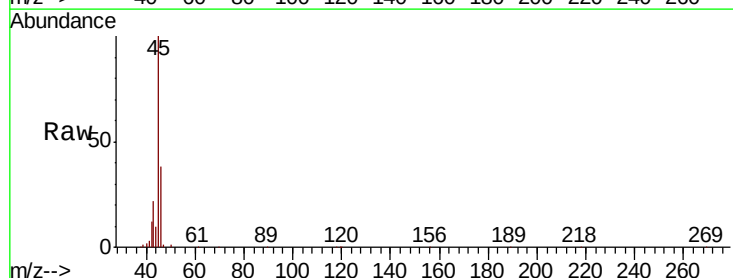
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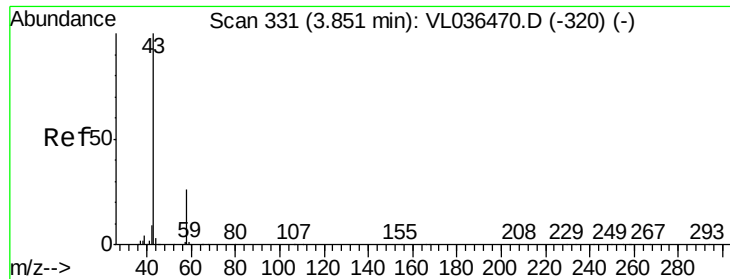
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#13
Ethanol
Concen: 23.494 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL036653.D
Acq: 2 Apr 2021 20:22

Tgt Ion: 45 Resp: 218955
Ion Ratio Lower Upper
45 100
46 38.1 16.6 66.2





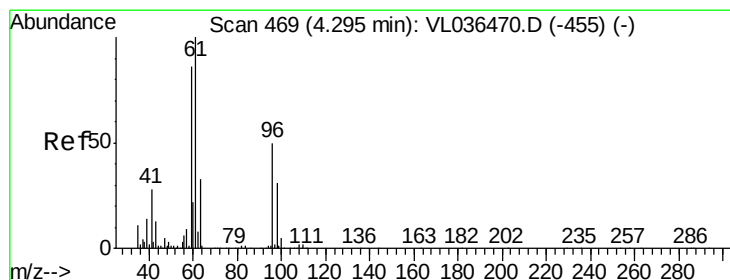
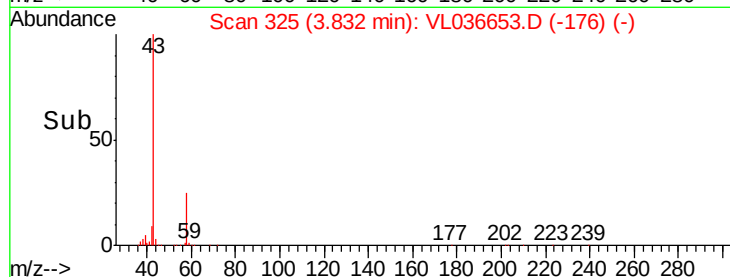
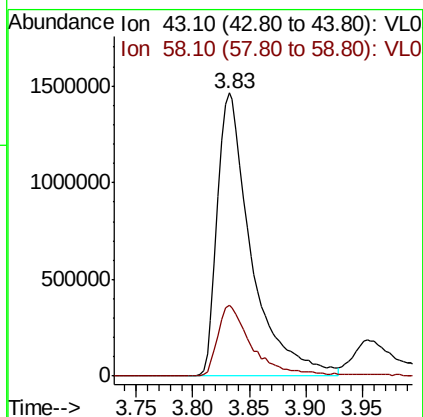
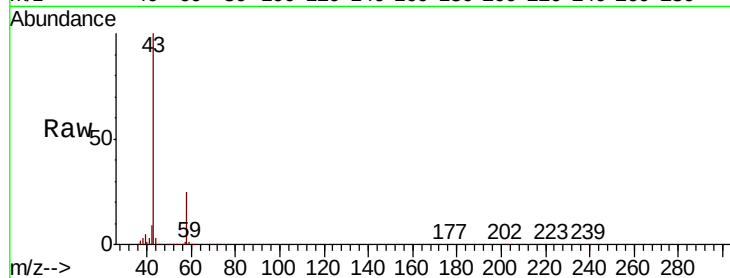
#15
Acetone
Concen: 23.771 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.02 min
Lab File: VL036653.D
Acq: 2 Apr 2021 20:22

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-2DLDUP

Tot Ion: 43 Resp: 3074088
Ion Ratio Lower Upper
43 100
58 26.6 21.2 31.8

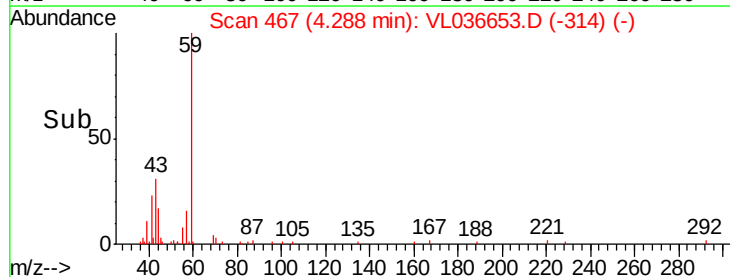
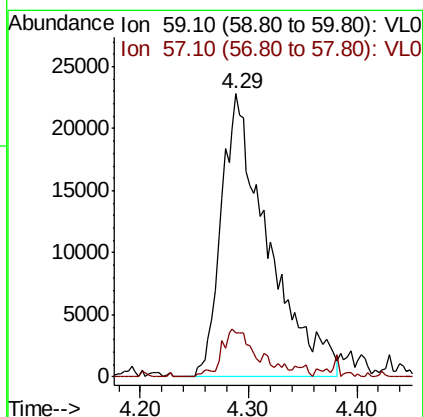
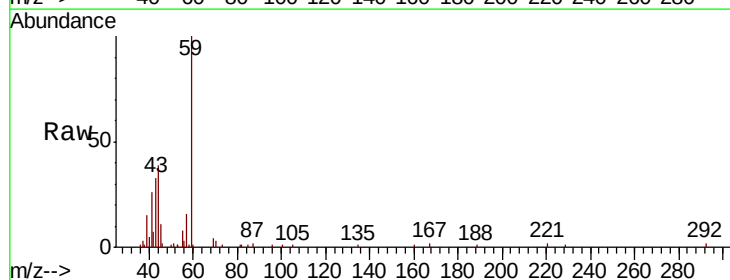
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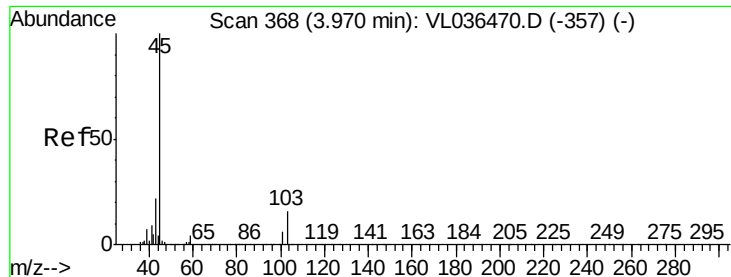
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#17
tert-Butyl alcohol
Concen: 0.607 ppbv m
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL036653.D
Acq: 2 Apr 2021 20:22

Tgt Ion: 59 Resp: 68355
Ion Ratio Lower Upper
59 100
57 14.0 8.6 12.8#





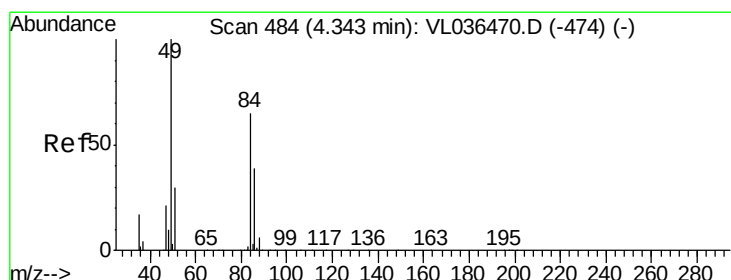
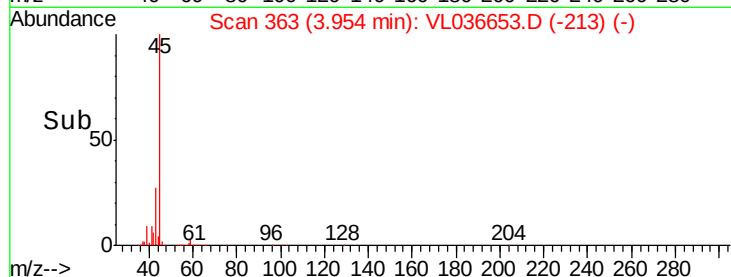
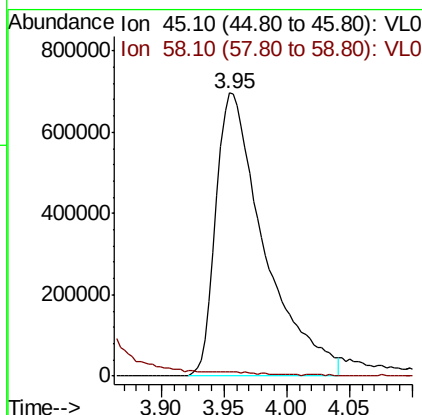
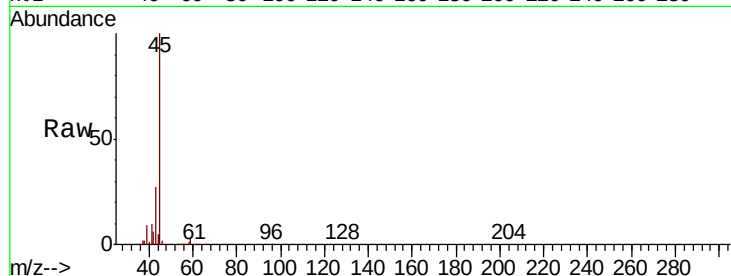
#19
Isopropyl Alcohol
Concen: 26.135 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.02 min
Lab File: VL036653.D
Acq: 2 Apr 2021 20:22

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-2DLDP

Tot Ion: 45 Resp: 1859202
Ion Ratio Lower Upper
45 100
58 2.2 2.9 4.3#

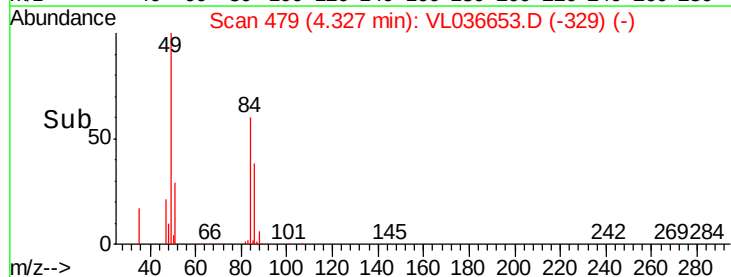
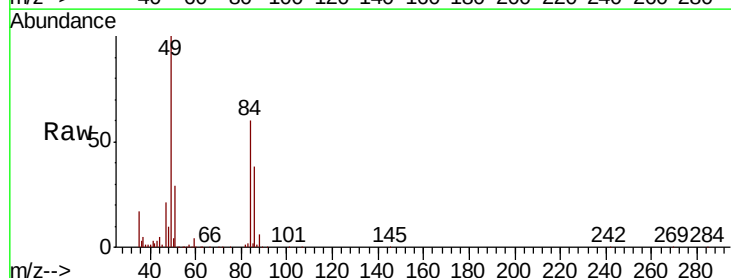
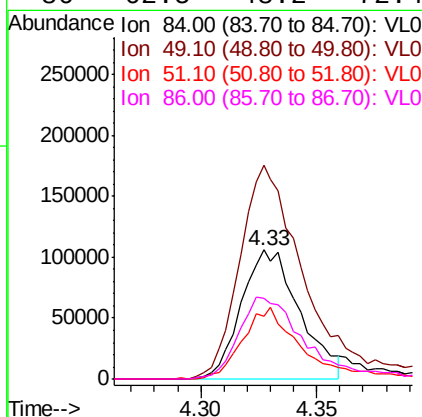
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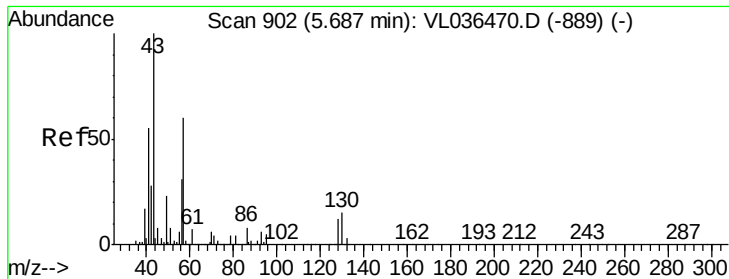
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#20
Methylene Chloride
Concen: 3.065 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL036653.D
Acq: 2 Apr 2021 20:22

Tgt Ion: 84 Resp: 185599
Ion Ratio Lower Upper
84 100
49 165.1 122.9 184.3
51 48.3 36.9 55.3
86 62.5 48.2 72.4





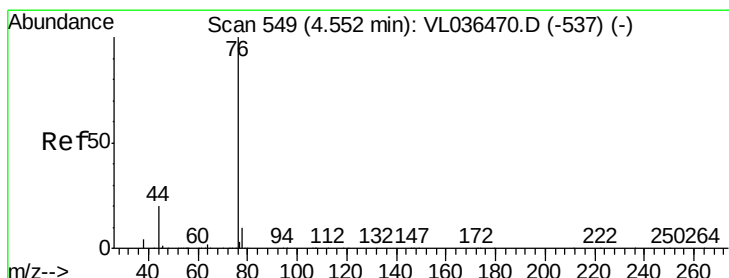
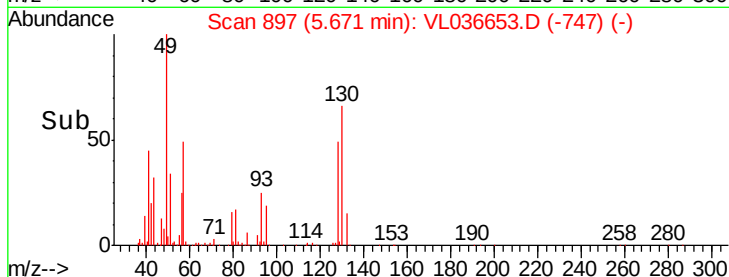
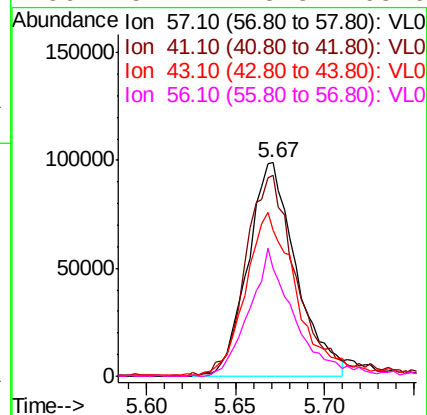
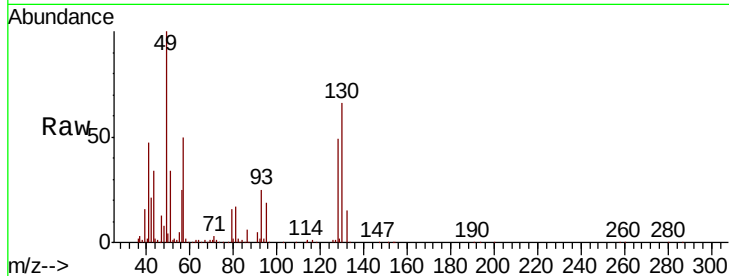
#26
Hexane
Concen: 1.315 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL036653.D
Acq: 2 Apr 2021 20:22

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-2DLDUP

Tot Ion	57	Resp	187590
Ion Ratio	Lower	Upper	
57	100		
41	103.0	77.2	115.8
43	83.1	173.8	260.6#
56	57.7	43.8	65.6

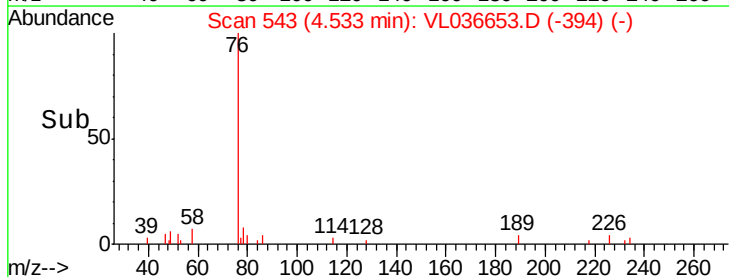
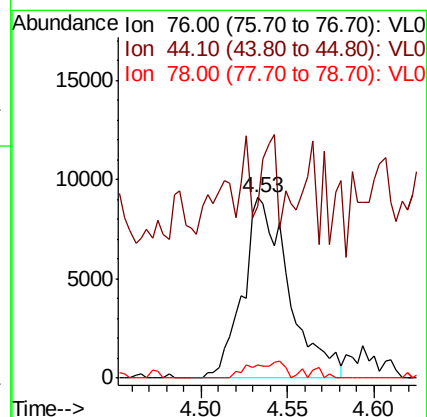
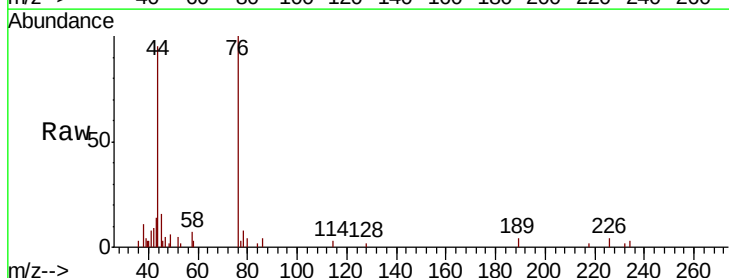
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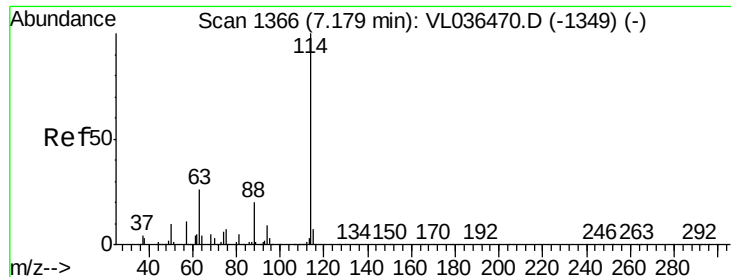
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#27
Carbon Disulfide
Concen: 0.120 ppbv m
RT: 4.53 min Scan# 543
Delta R.T. -0.02 min
Lab File: VL036653.D
Acq: 2 Apr 2021 20:22

Tgt Ion	76	Resp	16812
Ion Ratio	Lower	Upper	
76	100		
44	42.4	17.5	26.3#
78	8.9	8.6	13.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VL036653.D

Acq: 2 Apr 2021 20:22

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-2DLDUP

Tot Ion:114 Resp: 3437321

Ion Ratio Lower Upper

114 100

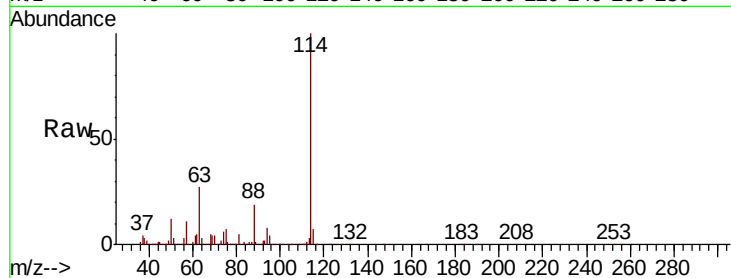
63 26.7 22.4 33.6

88 18.6 15.4 23.0

Manual Integrations
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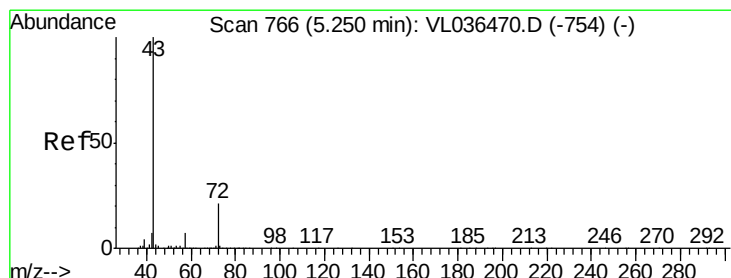
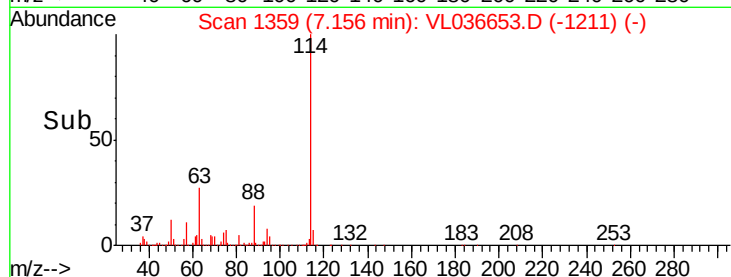
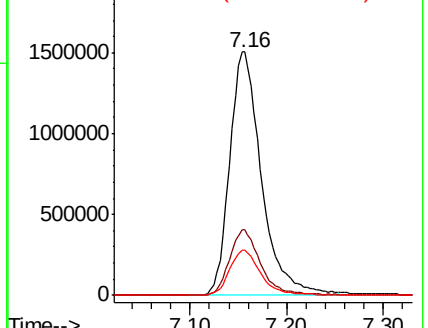
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.818 ppbv

RT: 5.23 min Scan# 761

Delta R.T. -0.02 min

Lab File: VL036653.D

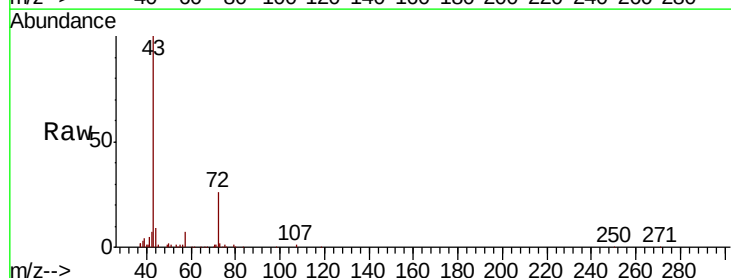
Acq: 2 Apr 2021 20:22

Tgt Ion: 43 Resp: 137182

Ion Ratio Lower Upper

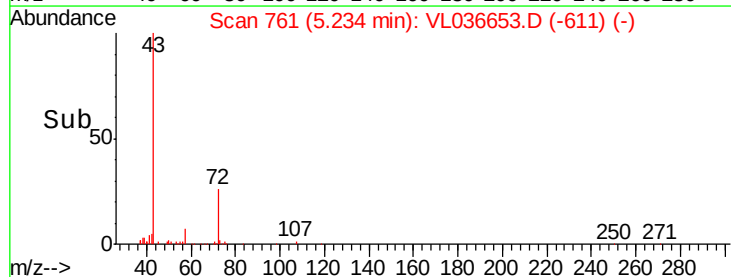
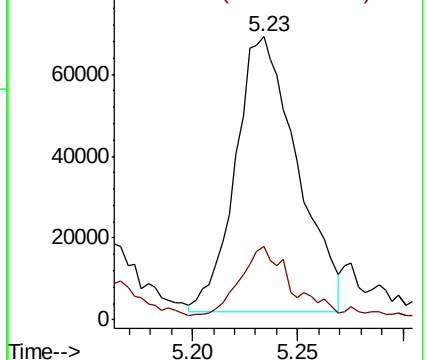
43 100

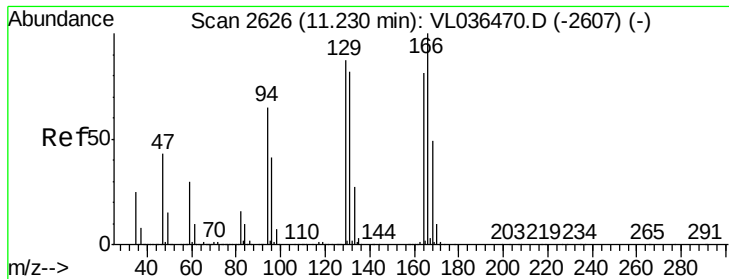
72 27.8 17.0 25.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





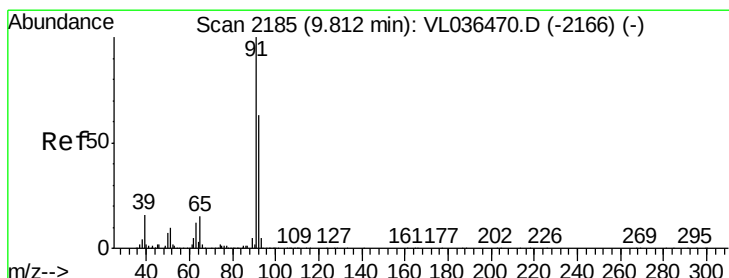
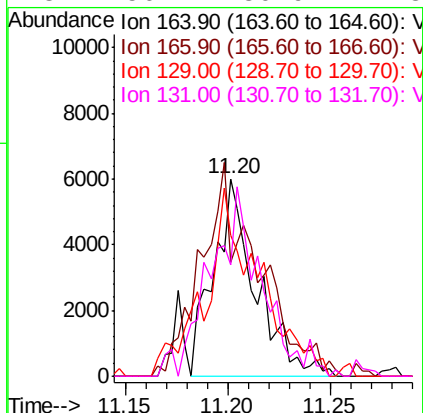
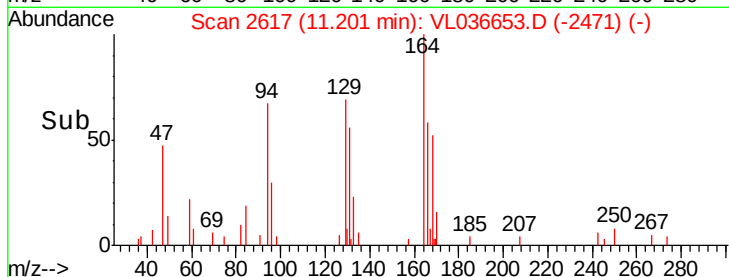
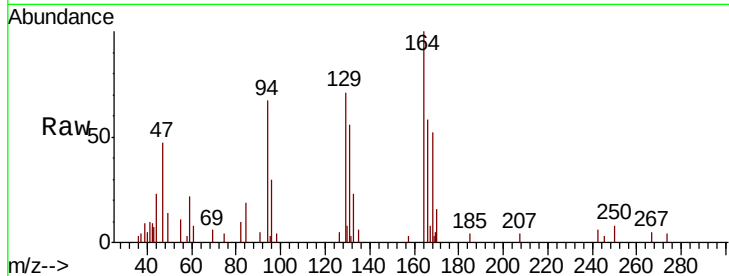
#52
Tetrachloroethene
Concen: 0.074 ppbv m
RT: 11.20 min Scan# 2617
Delta R.T. -0.03 min
Lab File: VL036653.D
Acq: 2 Apr 2021 20:22

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-2DLDUP

Tot Ion	Ratio	Lower	Upper
164	100		
166	57.9	98.3	147.5#
129	71.4	85.8	128.8#
131	56.4	80.9	121.3#

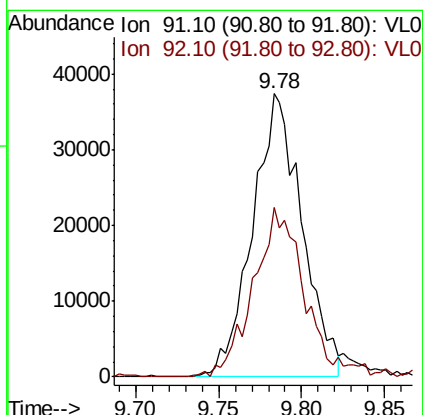
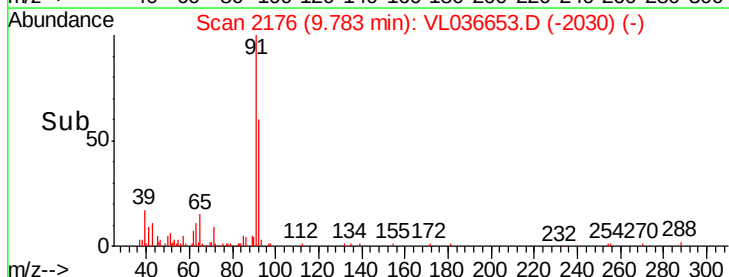
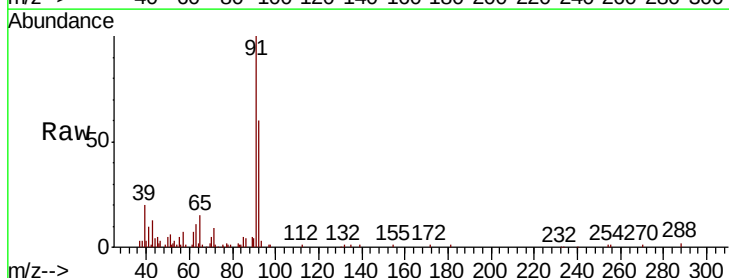
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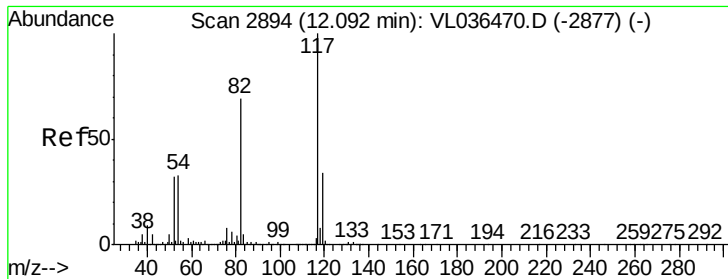
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#53
Toluene
Concen: 0.229 ppbv
RT: 9.78 min Scan# 2176
Delta R.T. -0.03 min
Lab File: VL036653.D
Acq: 2 Apr 2021 20:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.6	48.8	73.2





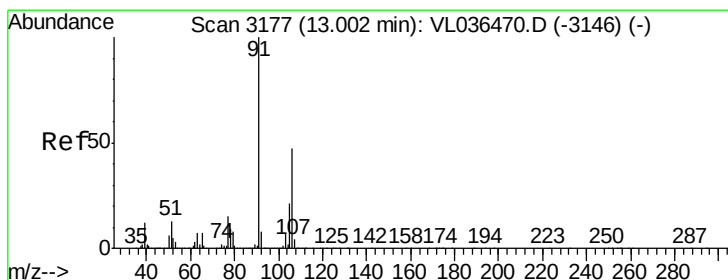
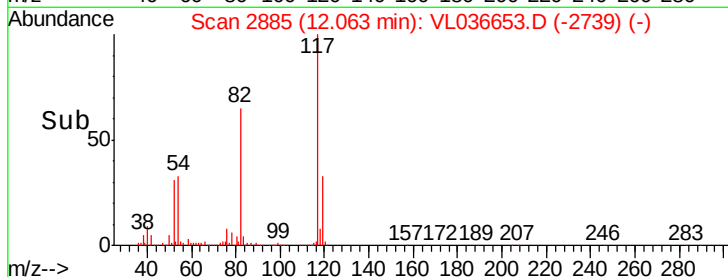
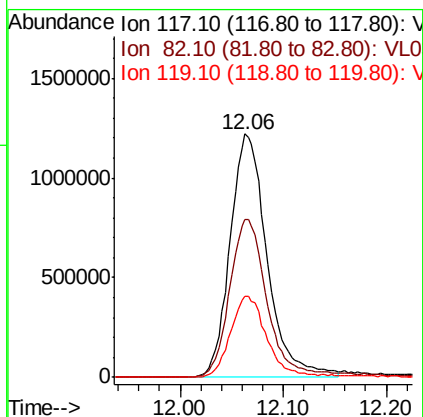
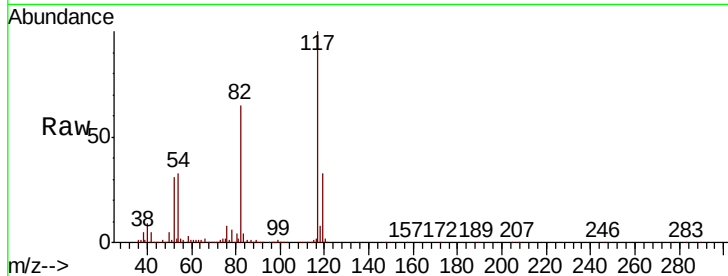
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.03 min
Lab File: VL036653.D
Acq: 2 Apr 2021 20:22

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-2DLDUP

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.8	57.4	86.0
119	33.5	47.4	71.0

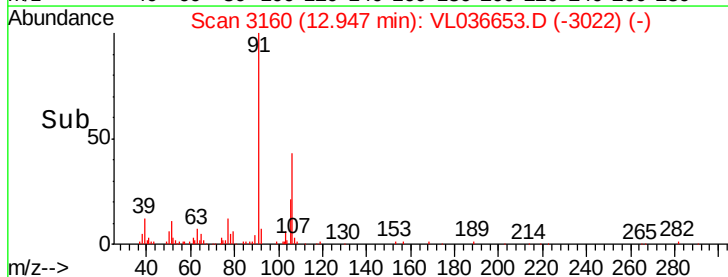
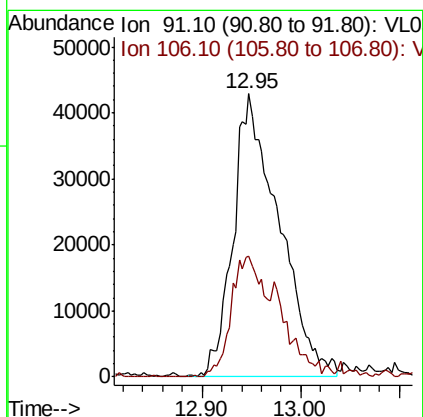
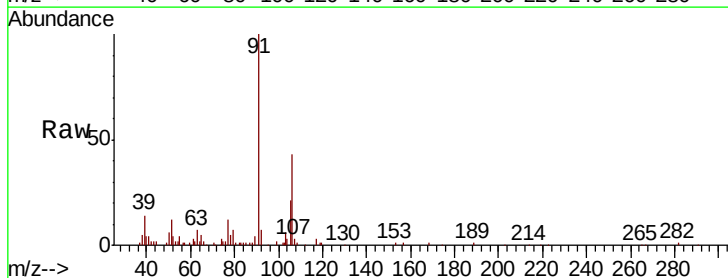
Manual Integrations
APPROVED

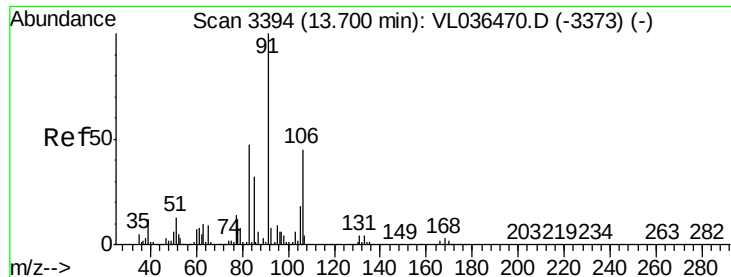
apatel
4/5/2021 1:14:07 PM



#59
m/p-Xylene
Concen: 0.357 ppbv m
RT: 12.95 min Scan# 3160
Delta R.T. -0.05 min
Lab File: VL036653.D
Acq: 2 Apr 2021 20:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	43.4	35.3	52.9





#60

o-Xylene

Concen: 0.176 ppbv m

RT: 13.67 min Scan# 3384

Delta R.T. -0.03 min

Lab File: VL036653.D

Acq: 2 Apr 2021 20:22

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-2DLDUP

Tot Ion: 91 Resp: 66011

Ion Ratio Lower Upper

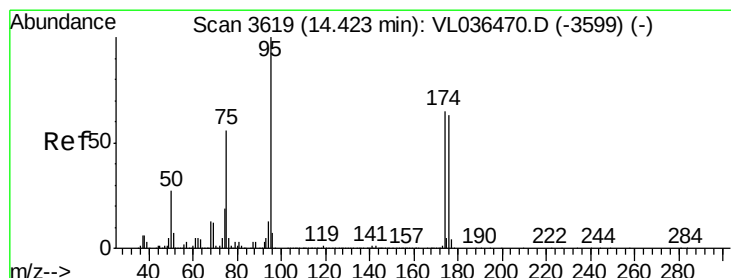
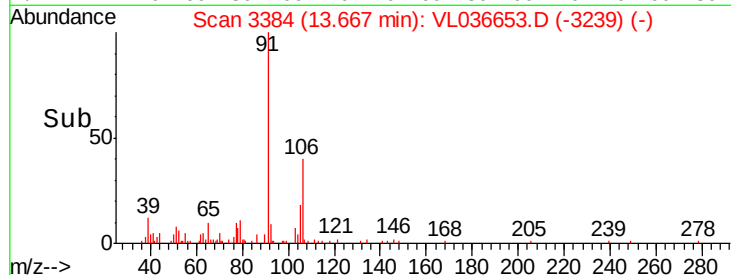
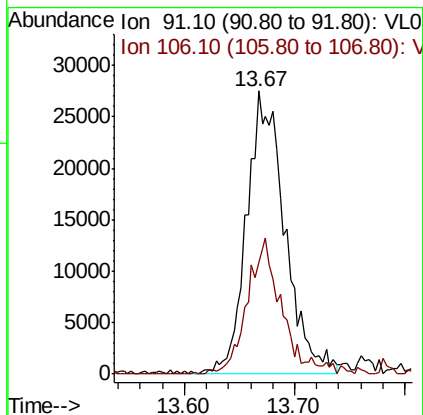
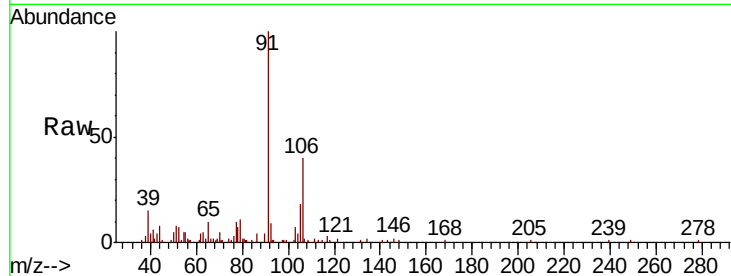
91 100

106 0.0 22.3 66.9#

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.619 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.03 min

Lab File: VL036653.D

Acq: 2 Apr 2021 20:22

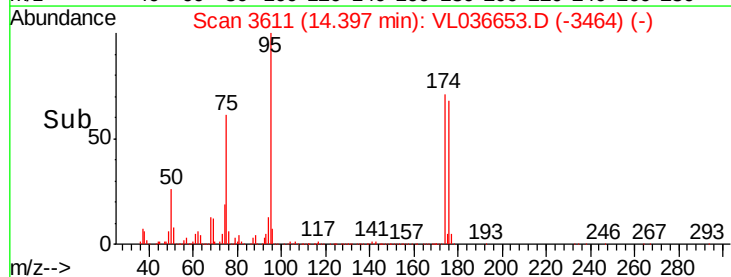
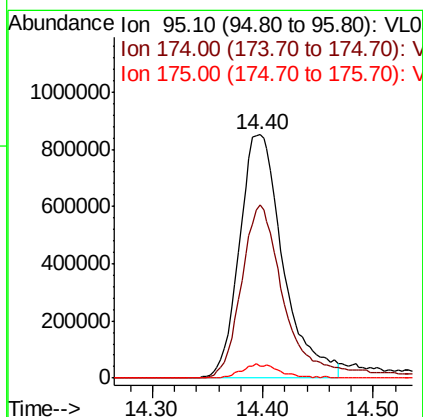
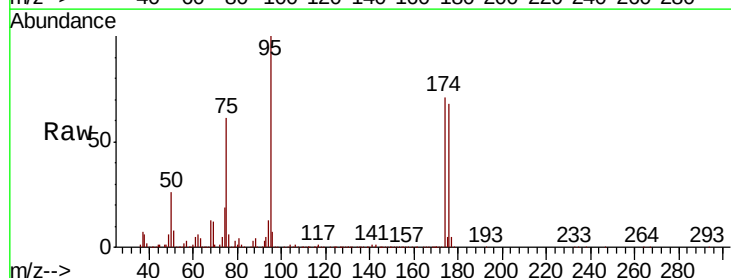
Tgt Ion: 95 Resp: 2337691

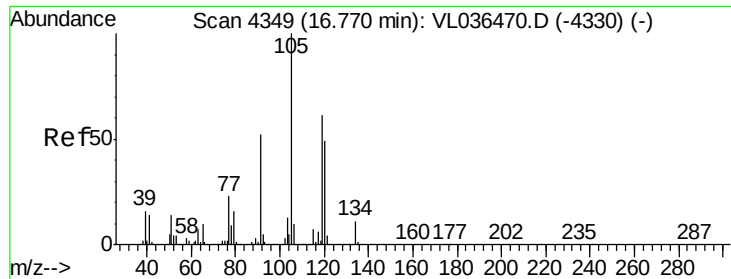
Ion Ratio Lower Upper

95 100

174 73.3 51.0 76.6

175 5.3 3.9 5.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.136 ppbv m
 RT: 16.76 min Scan# 4346
 Delta R.T. -0.01 min
 Lab File: VL036653.D
 Acq: 2 Apr 2021 20:22

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-2DLDUP

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	34.4	39.2	58.8#
91	9.3	42.6	64.0#
77	12.0	18.6	28.0#

Manual Integrations
 APPROVED

apatel
 4/5/2021 1:14:07 PM

