

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036732.D
 Acq On : 7 Apr 2021 18:43
 Operator : SY/AP
 Sample : M1929-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV-04DL

Manual Integrations
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 4/12/2021 11:15:58 AM

Quant Time: Apr 10 22:48:31 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	5.67	49	1281657	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3171157	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2713069	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2051280	9.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	21348	0.280	ppbv	94
13) Ethanol	3.62	45	16213m	1.783	ppbv	
15) Acetone	3.86	43	145398m	1.153	ppbv	
19) Isopropyl Alcohol	3.99	45	19535m	0.282	ppbv	
20) Methylene Chloride	4.35	84	100300	1.698	ppbv	97
26) Hexane	5.69	57	70029	0.503	ppbv #	46
29) Chloroform	5.75	83	34794m	0.156	ppbv	
34) 2-Butanone	5.26	43	27045m	0.175	ppbv	
36) Benzene	6.89	78	682200	2.333	ppbv	96
52) Tetrachloroethene	11.23	164	217751	2.022	ppbv	96
53) Toluene	9.81	91	209387	0.672	ppbv	100
58) Ethyl Benzene	12.72	91	118819m	0.301	ppbv	
59) m/p-Xylene	13.01	91	168006m	0.488	ppbv	
60) o-Xylene	13.70	91	93360m	0.280	ppbv	

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

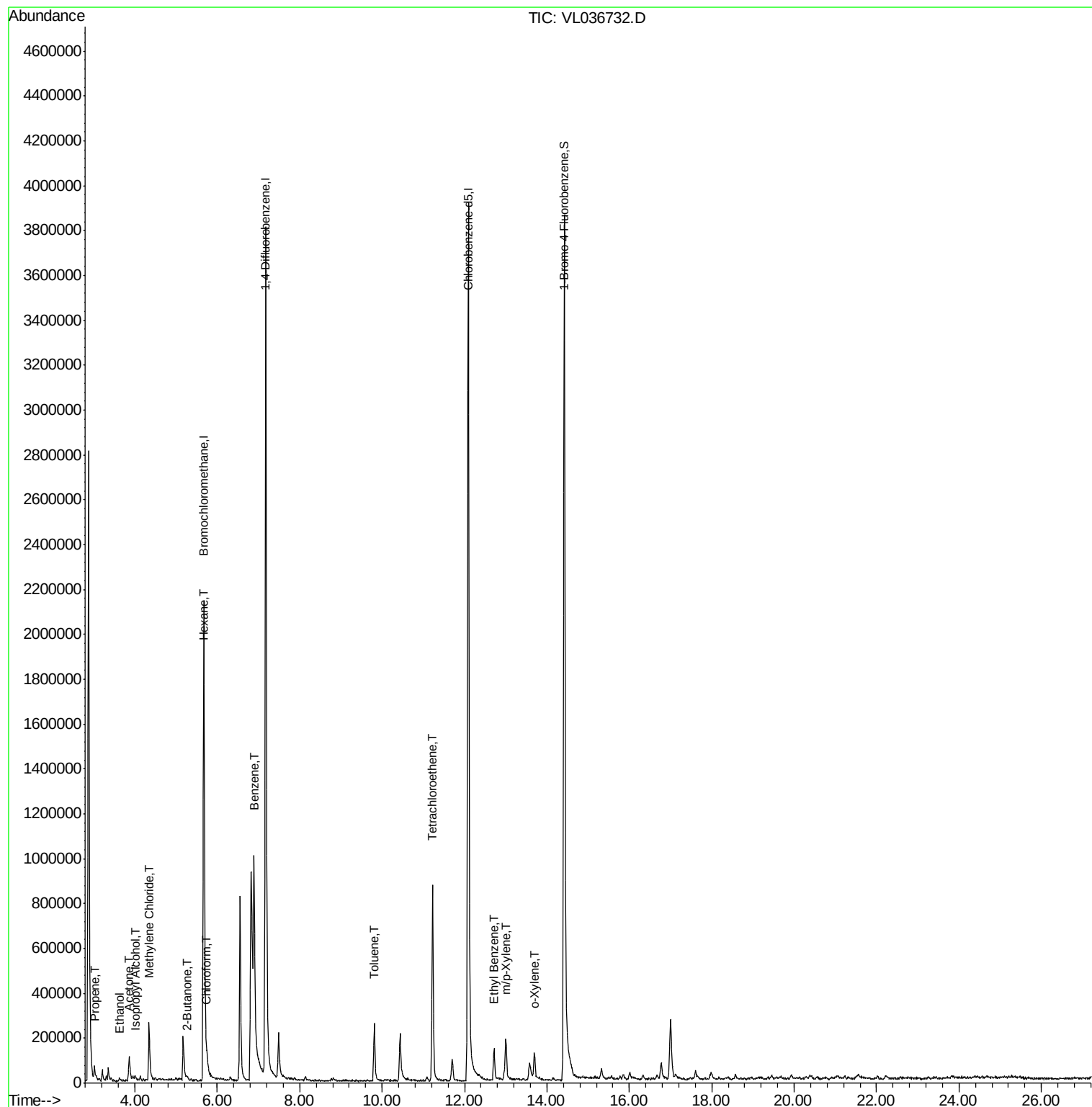
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040721\
Data File : VL036732.D
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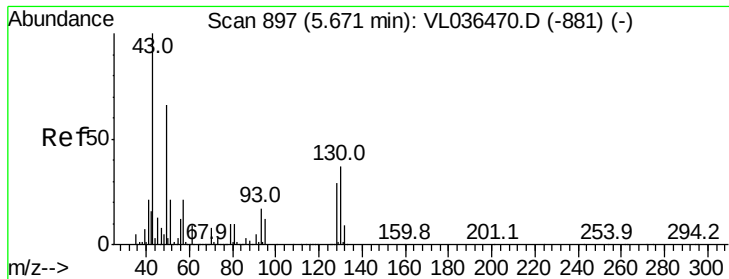
Instrument :
MSVOA_L
ClientSampleId :
FS-SV-04DL

Manual Integrations
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4/12/2021 11:15:58 AM

Quant Time: Apr 10 22:48:31 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





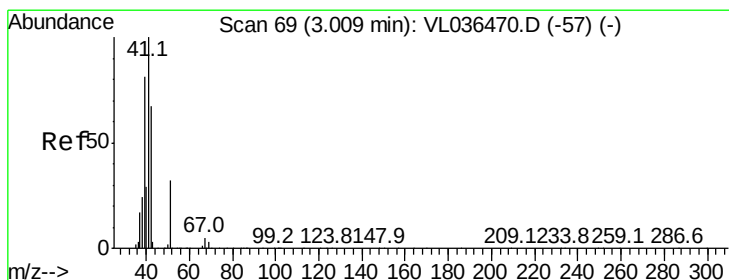
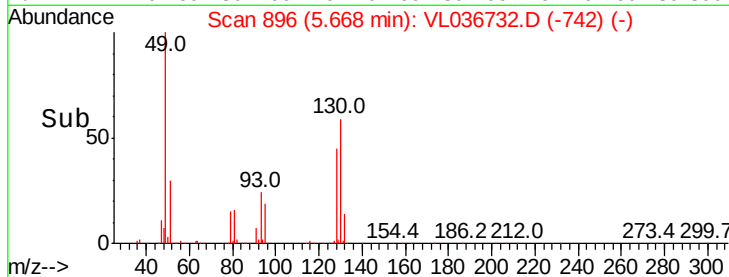
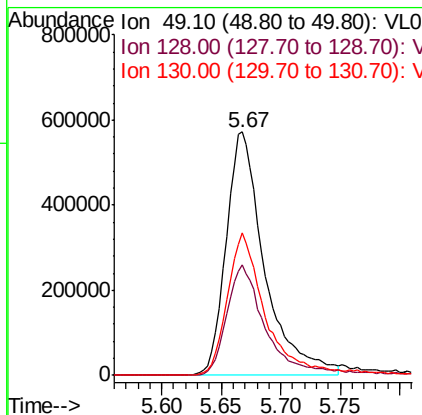
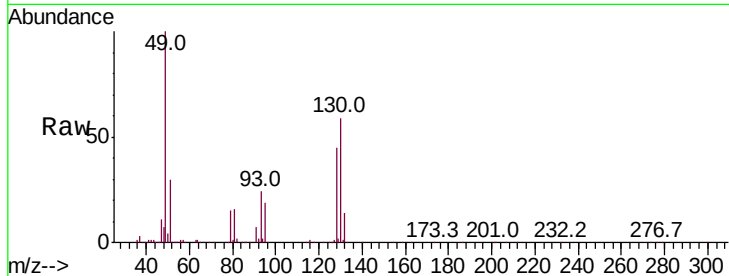
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL036732.D
Acq: 7 Apr 2021 18:43

Instrument :
MSVOA_L
ClientSampleId :
FS-SV-04DL

Tot Ion: 49 Resp: 1281657
Ion Ratio Lower Upper
49 100
128 46.7 23.5 70.6
130 58.6 29.1 87.4

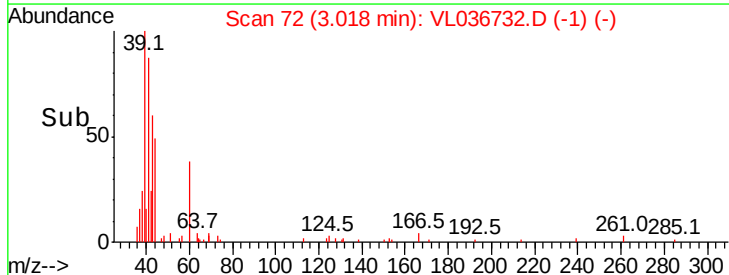
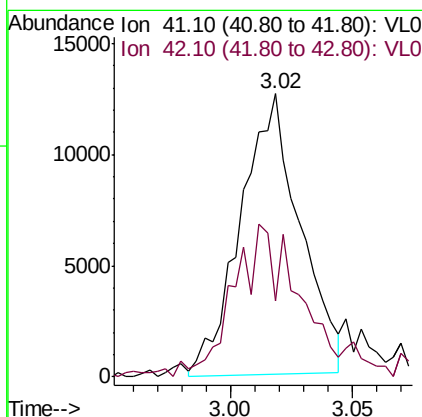
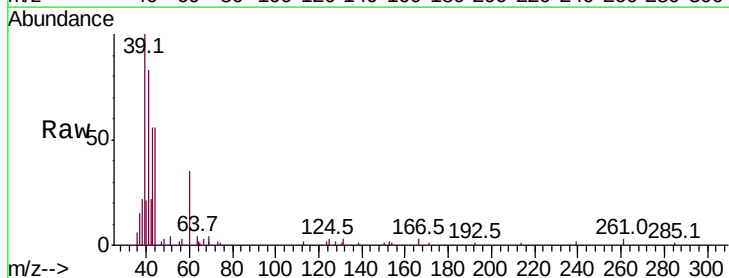
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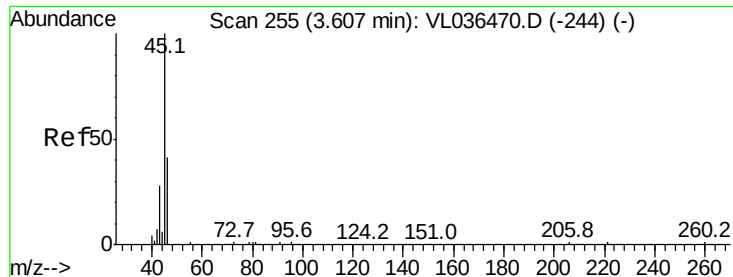
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#9
Propene
Concen: 0.280 ppbv
RT: 3.02 min Scan# 72
Delta R.T. 0.01 min
Lab File: VL036732.D
Acq: 7 Apr 2021 18:43

Tgt Ion: 41 Resp: 21348
Ion Ratio Lower Upper
41 100
42 66.6 57.0 85.4





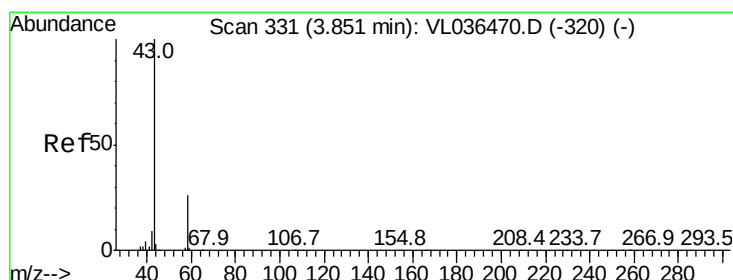
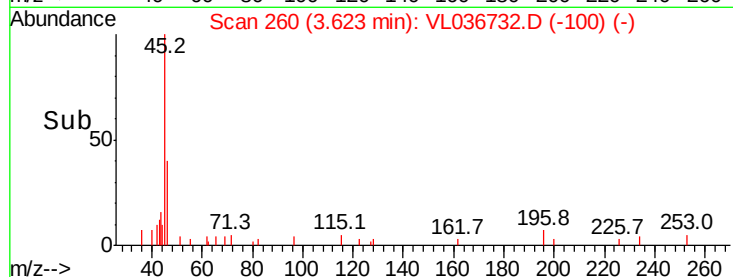
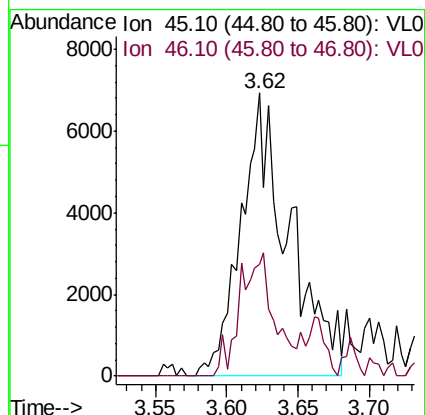
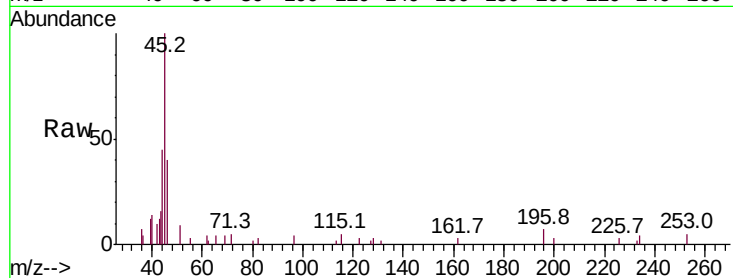
#13
Ethanol
Concen: 1.783 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.02 min
Lab File: VL036732.D
Acq: 7 Apr 2021 18:43

Instrument :
MSVOA_L
ClientSampleId :
FS-SV-04DL

Tot Ion	Ratio	Lower	Upper
45	100		
46	30.6	16.6	66.2

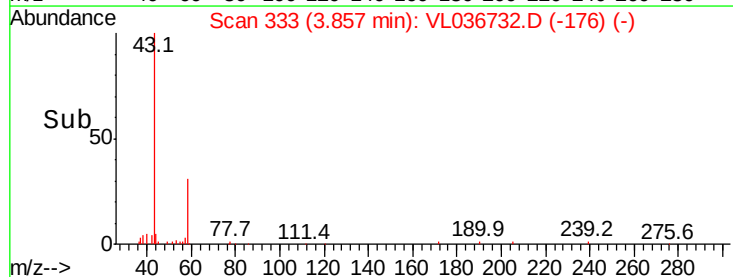
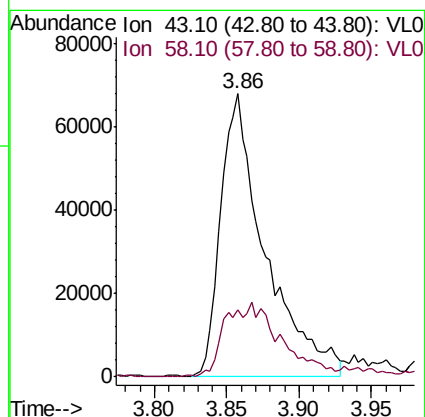
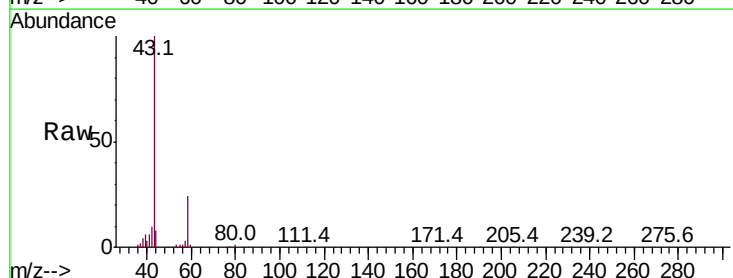
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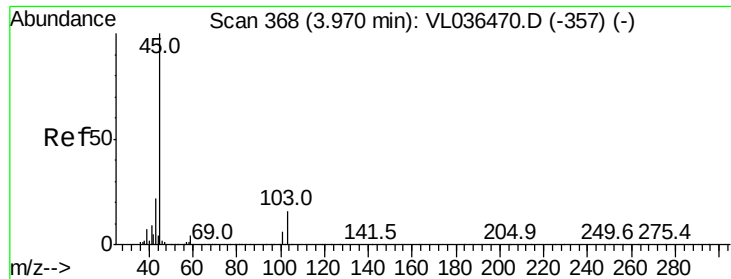
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#15
Acetone
Concen: 1.153 ppbv m
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL036732.D
Acq: 7 Apr 2021 18:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.8	21.2	31.8#





#19

Isopropyl Alcohol

Concen: 0.282 ppbv m

RT: 3.99 min Scan# 375

Delta R.T. 0.02 min

Lab File: VL036732.D

Acq: 7 Apr 2021 18:43

Instrument :

MSVOA_L

ClientSampled :

FS-SV-04DL

Tot Ion: 45 Resp: 19535

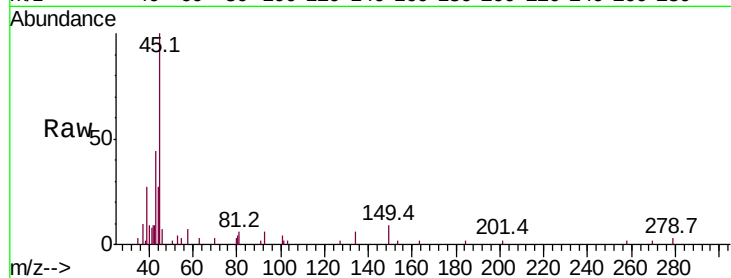
Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.99

10000

8000

6000

4000

2000

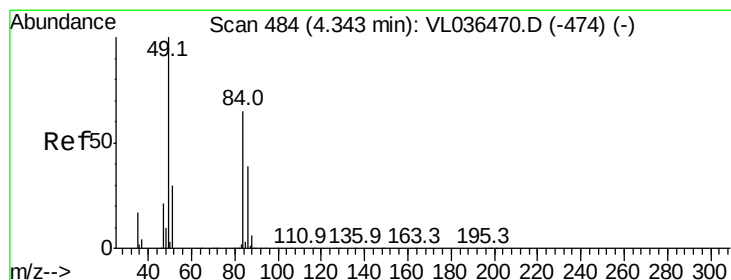
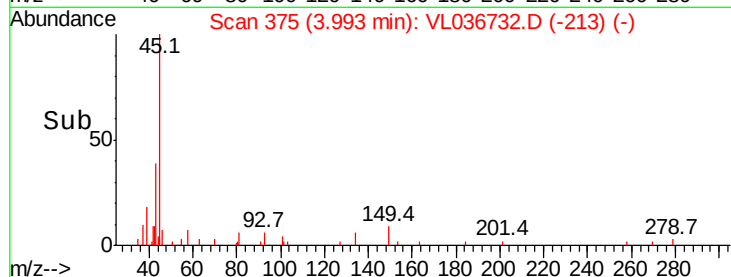
0

Time-->

3.95

4.00

4.05



#20

Methylene Chloride

Concen: 1.698 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL036732.D

Acq: 7 Apr 2021 18:43

Tgt Ion: 84 Resp: 100300

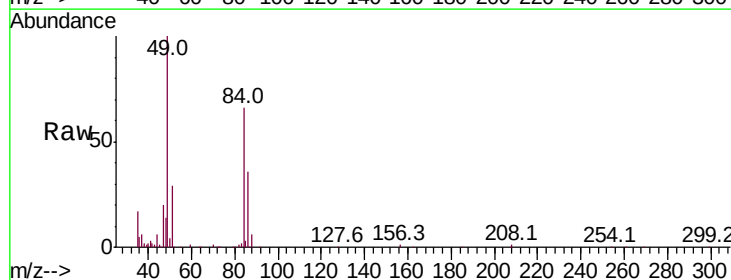
Ion Ratio Lower Upper

84 100

49 151.5 122.9 184.3

51 43.7 36.9 55.3

86 54.2 48.2 72.4



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

120000

100000

80000

60000

40000

20000

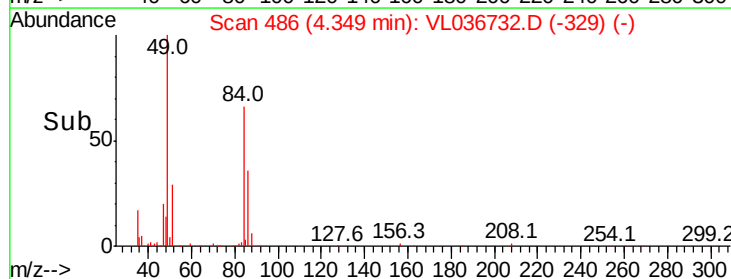
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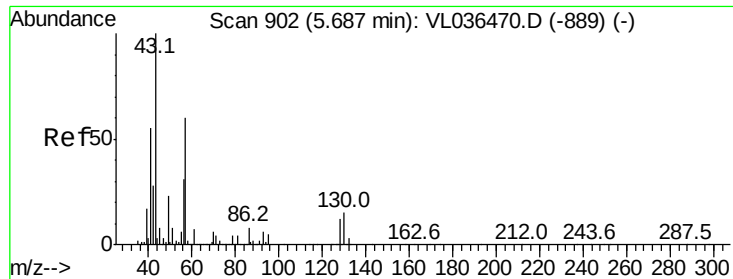
Time-->

4.30

4.35

4.40





#26

Hexane

Concen: 0.503 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL036732.D

Acq: 7 Apr 2021 18:43

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04DL

Tot Ion: 57 Resp: 70029

Ion Ratio Lower Upper

57 100

41 100.4 77.2 115.8

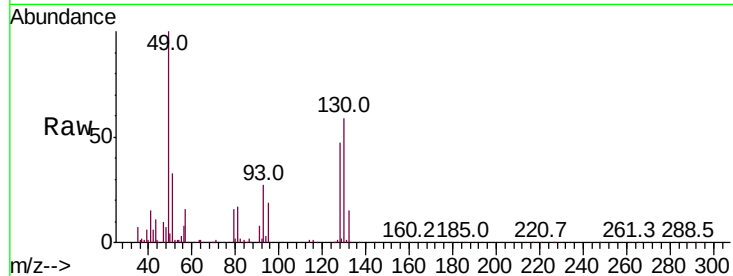
43 77.1 173.8 260.6#

56 59.5 43.8 65.6

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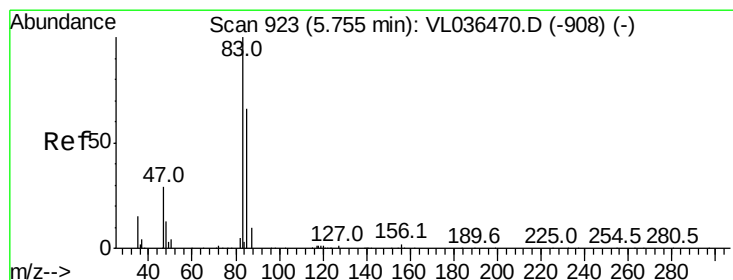
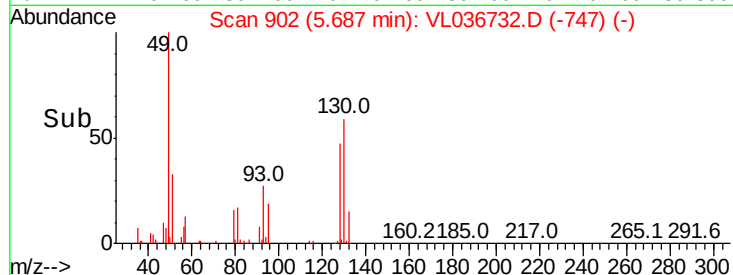
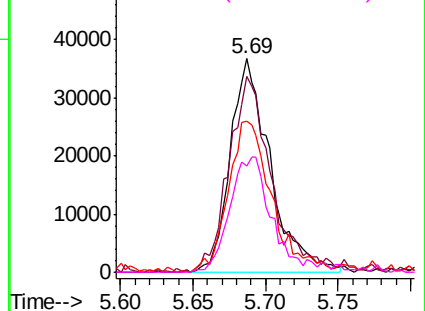


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#29

Chloroform

Concen: 0.156 ppbv m

RT: 5.75 min Scan# 921

Delta R.T. -0.01 min

Lab File: VL036732.D

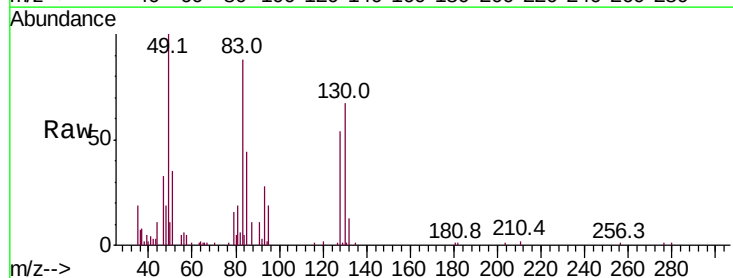
Acq: 7 Apr 2021 18:43

Tgt Ion: 83 Resp: 34794

Ion Ratio Lower Upper

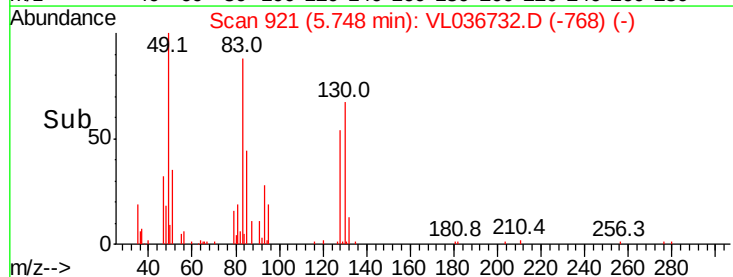
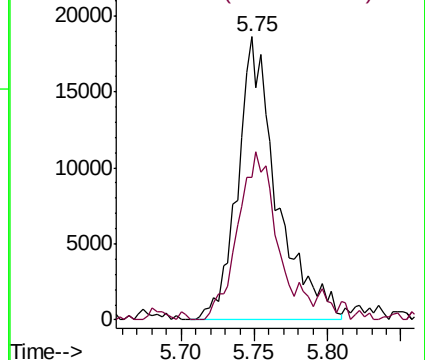
83 100

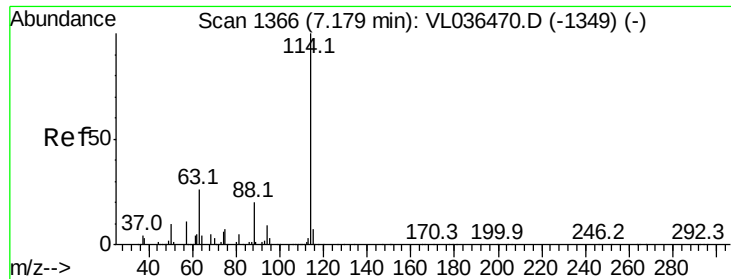
85 50.2 52.6 78.8#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL036732.D

Acq: 7 Apr 2021 18:43

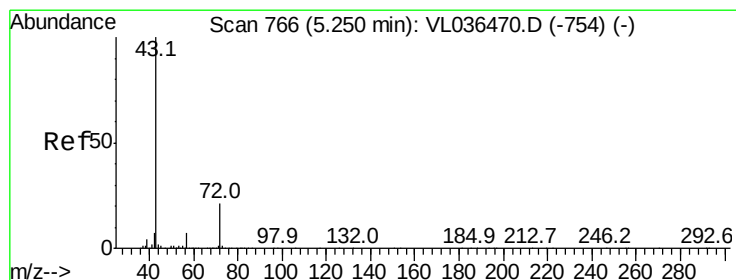
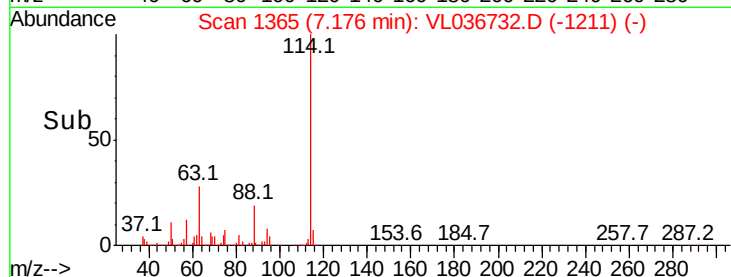
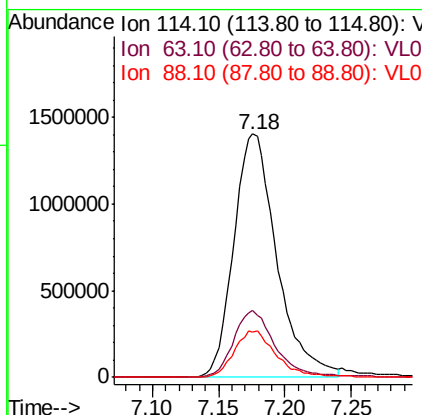
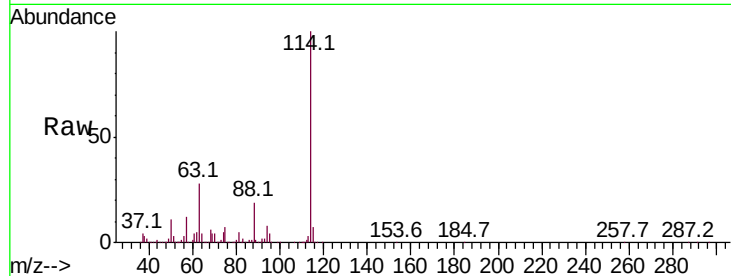
Instrument :
MSVOA_L

ClientSampleId :
FS-SV-04DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.4	33.6
88	19.3	15.4	23.0

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#34

2-Butanone

Concen: 0.175 ppbv m

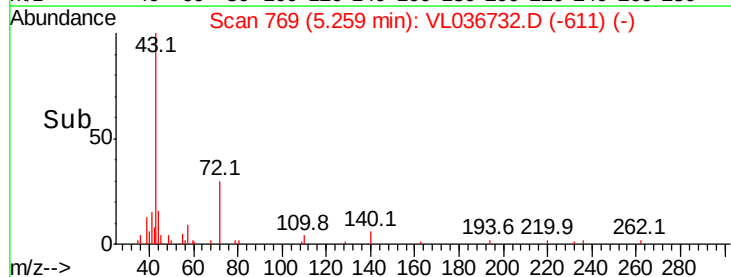
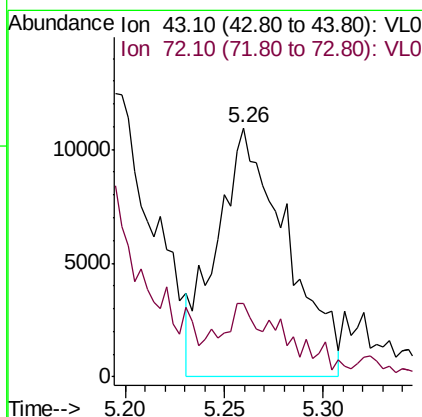
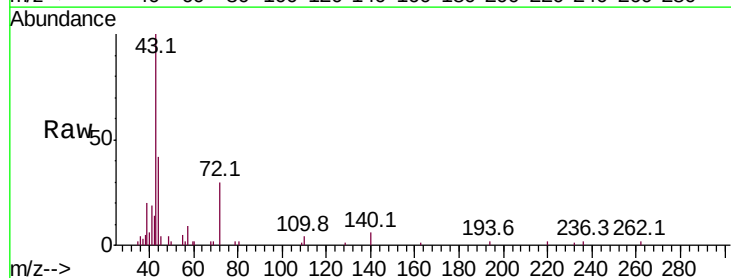
RT: 5.26 min Scan# 769

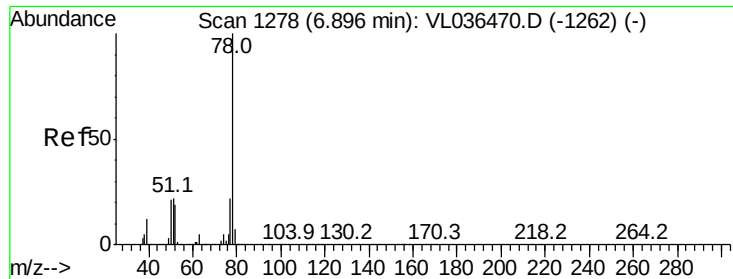
Delta R.T. 0.01 min

Lab File: VL036732.D

Acq: 7 Apr 2021 18:43

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.0	25.6#





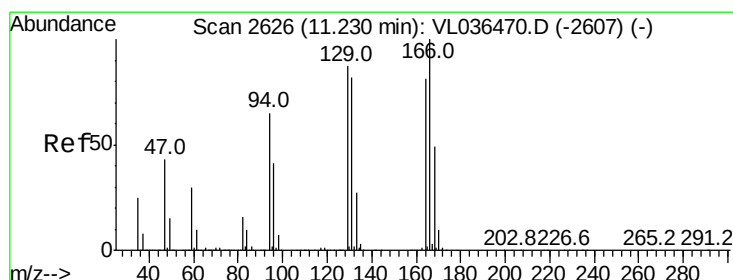
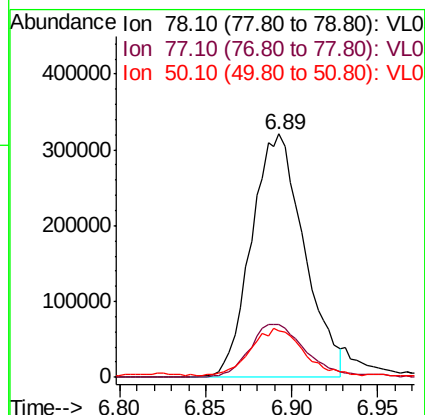
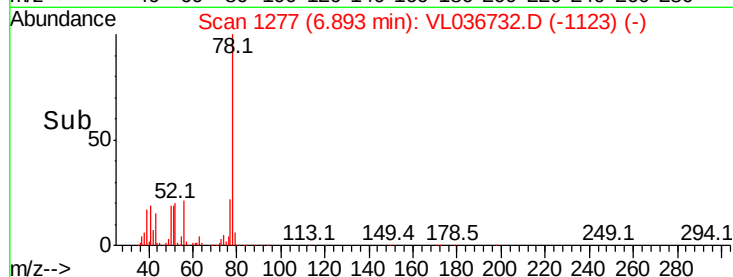
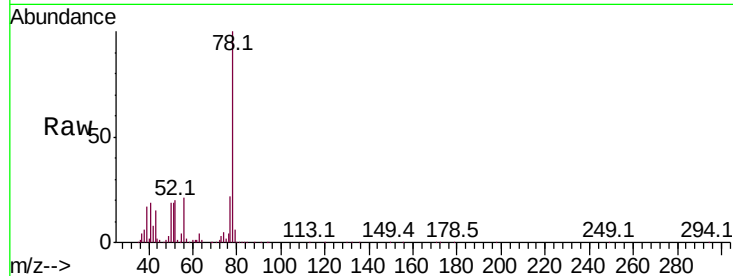
#36
Benzene
Concen: 2.333 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VL036732.D
Acq: 7 Apr 2021 18:43

Instrument :
MSVOA_L
ClientSampleId :
FS-SV-04DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.0	27.0
50	17.4	16.5	24.7

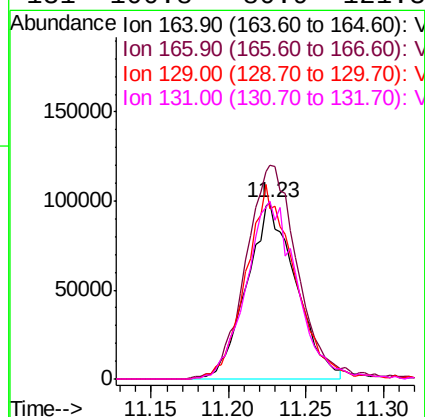
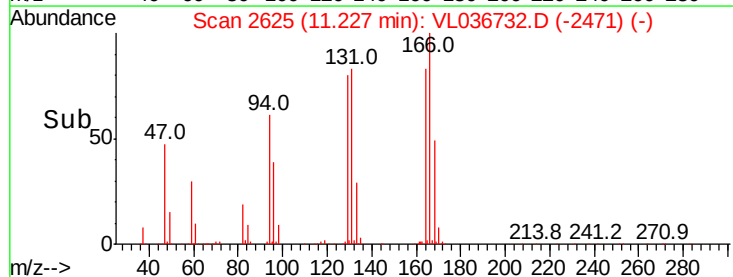
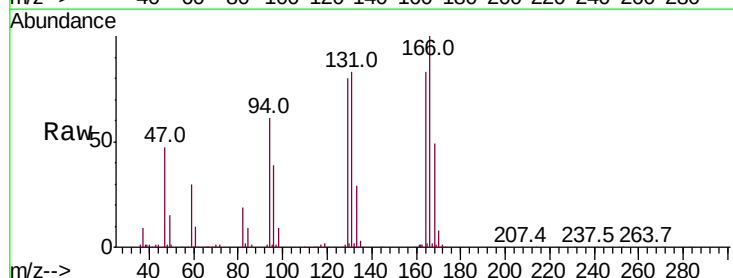
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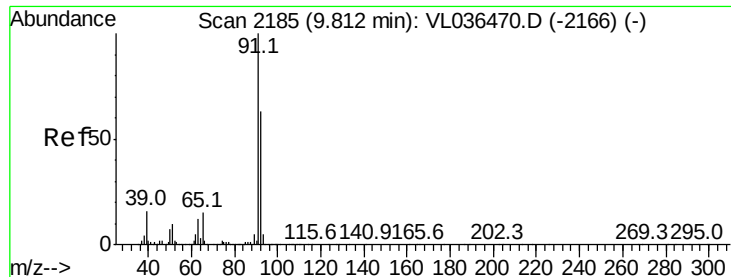
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#52
Tetrachloroethene
Concen: 2.022 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL036732.D
Acq: 7 Apr 2021 18:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.4	98.3	147.5
129	96.0	85.8	128.8
131	100.8	80.9	121.3





#53

Toluene

Concen: 0.672 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL036732.D

Acq: 7 Apr 2021 18:43

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04DL

Tot Ion: 91 Resp: 209387

Ion Ratio Lower Upper

91 100

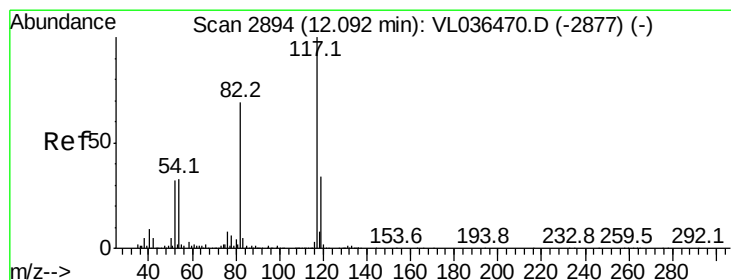
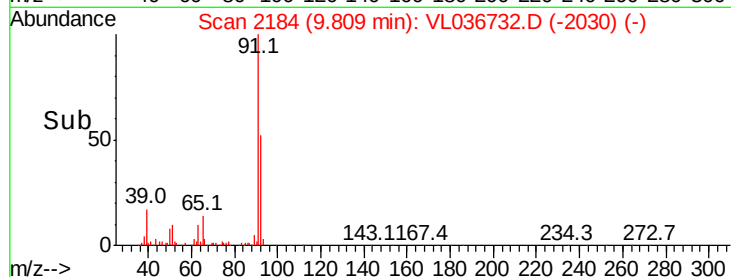
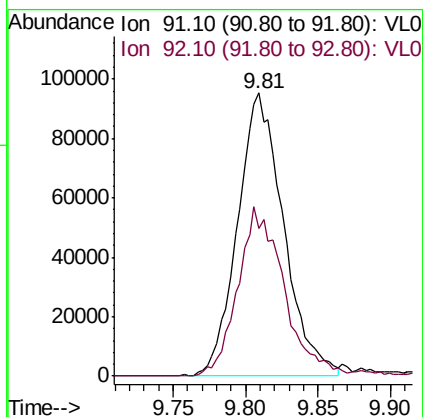
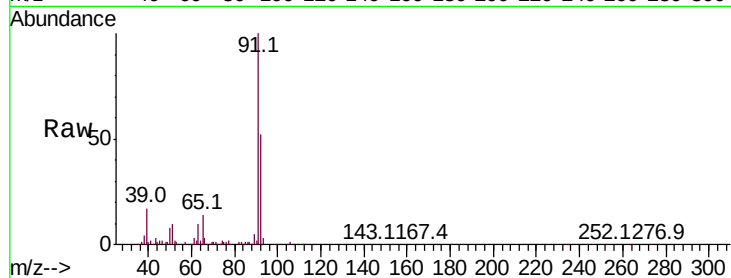
92 60.9 48.8 73.2

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL036732.D

Acq: 7 Apr 2021 18:43

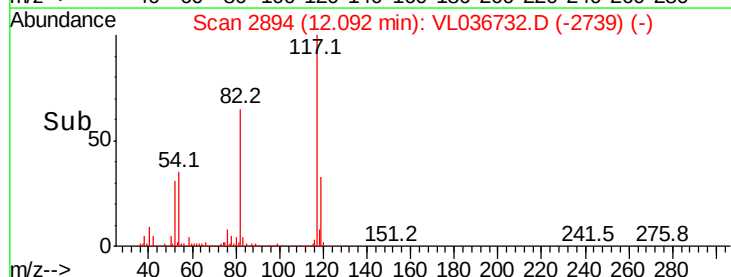
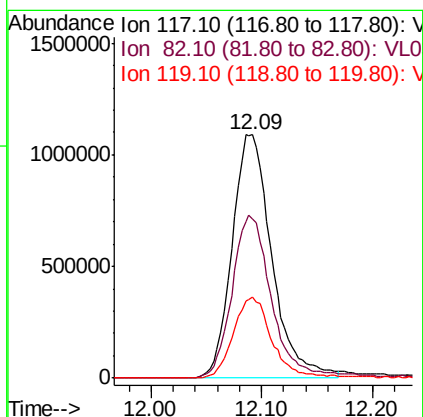
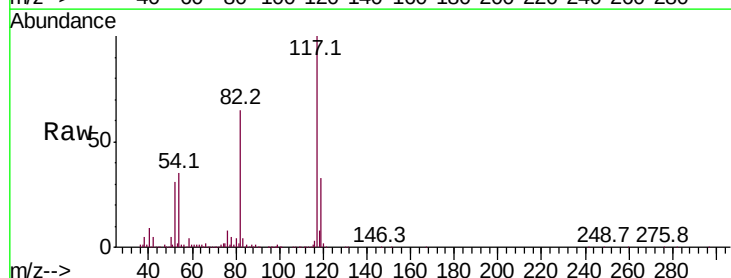
Tgt Ion: 117 Resp: 2713069

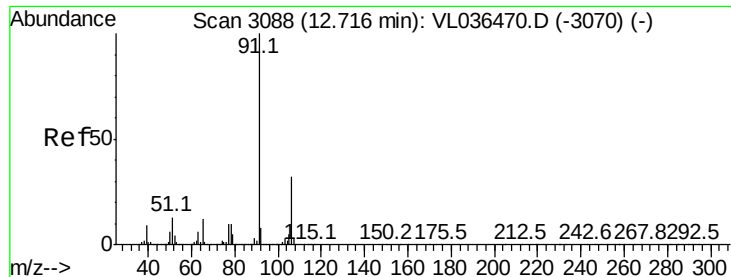
Ion Ratio Lower Upper

117 100

82 68.1 57.4 86.0

119 33.4 47.4 71.0#





#58

Ethyl Benzene

Concen: 0.301 ppbv m

RT: 12.72 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VL036732.D

Acq: 7 Apr 2021 18:43

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04DL

Tot Ion: 91 Resp: 118819

Ion Ratio Lower Upper

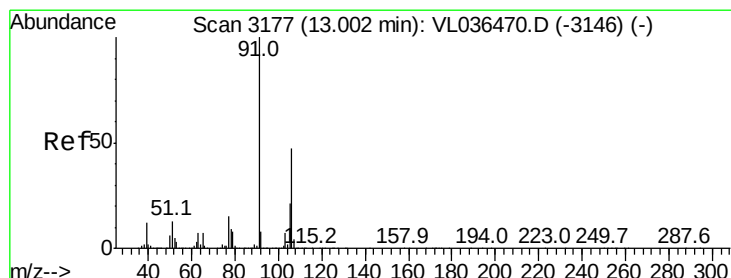
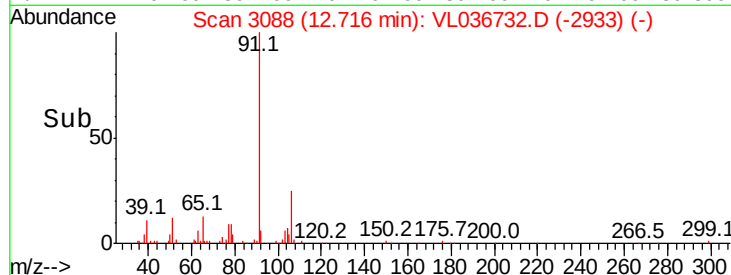
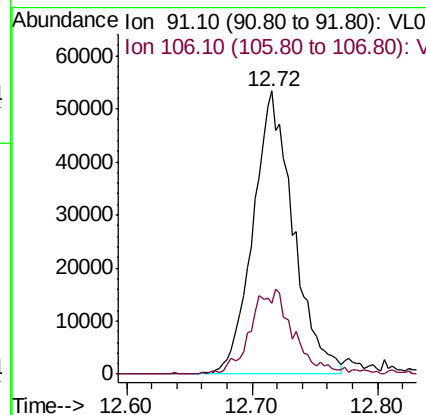
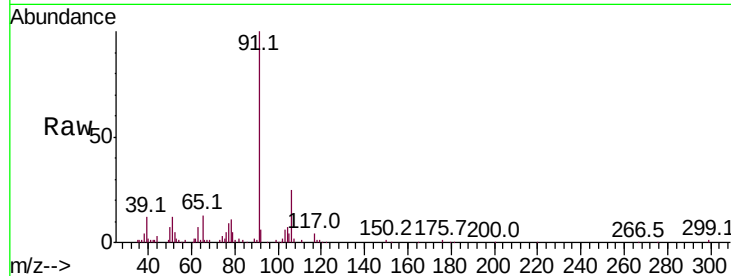
91 100

106 25.1 25.3 37.9#

Manual Integrations
APPROVED

MMDadoda

4/12/2021 11:15:58 AM



#59

m/p-Xylene

Concen: 0.488 ppbv m

RT: 13.01 min Scan# 3179

Delta R.T. 0.01 min

Lab File: VL036732.D

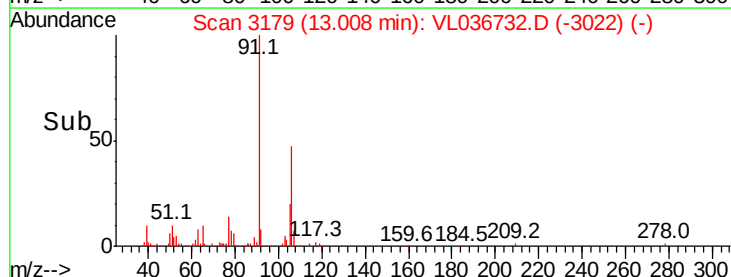
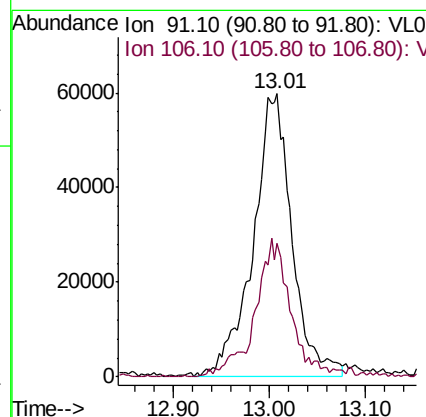
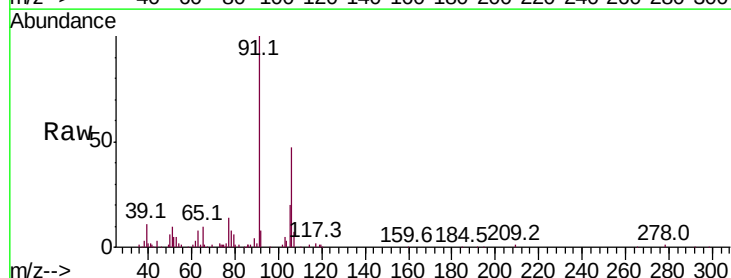
Acq: 7 Apr 2021 18:43

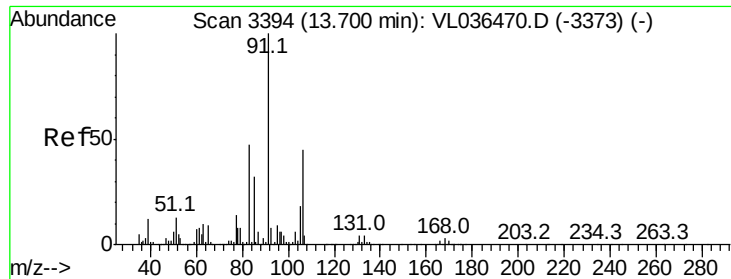
Tgt Ion: 91 Resp: 168006

Ion Ratio Lower Upper

91 100

106 45.4 35.3 52.9





#60

o-Xylene

Concen: 0.280 ppbv m

RT: 13.70 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VL036732.D

Acq: 7 Apr 2021 18:43

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04DL

Tot Ion: 91 Resp: 93360

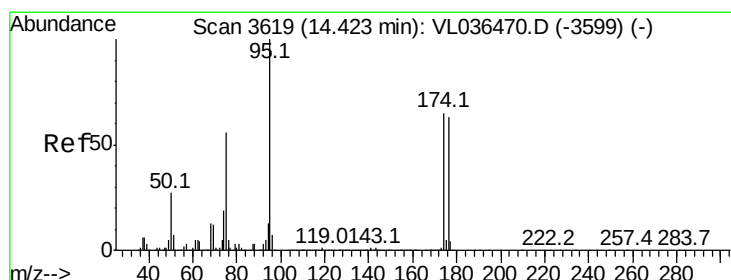
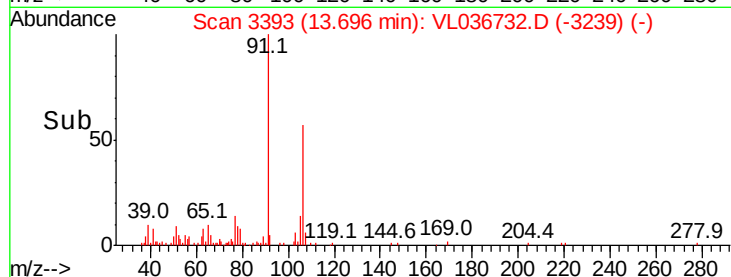
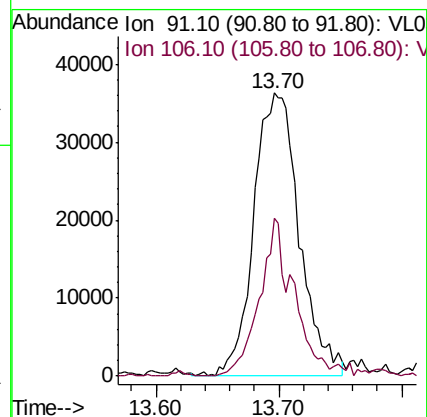
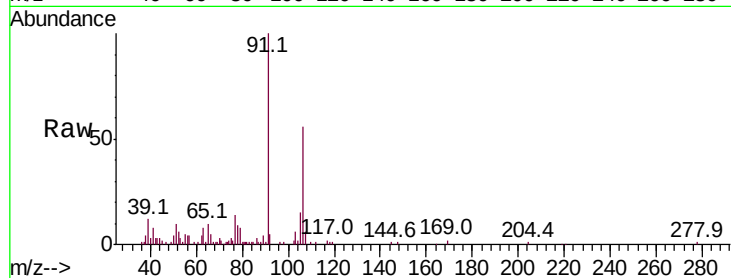
Ion Ratio Lower Upper

91 100

106 44.3 22.3 66.9

Manual Integrations
APPROVED

MMDadoda
4/12/2021 11:15:58 AM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.486 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VL036732.D

Acq: 7 Apr 2021 18:43

Tgt Ion: 95 Resp: 2051280

Ion Ratio Lower Upper

95 100

174 69.1 51.0 76.6

175 5.0 3.9 5.9

