

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036220.D
 Acq On : 13 Jan 2021 11:19
 Operator : SY/AP
 Sample : M1066-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS5DL

Manual Integrations
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 1/18/2021 3:49:13 PM

Quant Time: Jan 16 20:35:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1535340	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3263730	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2910064	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2460620	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	34199	0.381	ppbv	95
13) Ethanol	3.60	45	508863m	36.091	ppbv	
15) Acetone	3.85	43	743574	3.954	ppbv	97
17) tert-Butyl alcohol	4.30	59	102355m	0.660	ppbv	
20) Methylene Chloride	4.34	84	162946m	2.715	ppbv	
26) Hexane	5.68	57	217088	1.381	ppbv #	39
27) Carbon Disulfide	4.55	76	357138m	2.842	ppbv	
34) 2-Butanone	5.25	43	79889m	0.332	ppbv	
53) Toluene	9.80	91	58187m	0.174	ppbv	

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

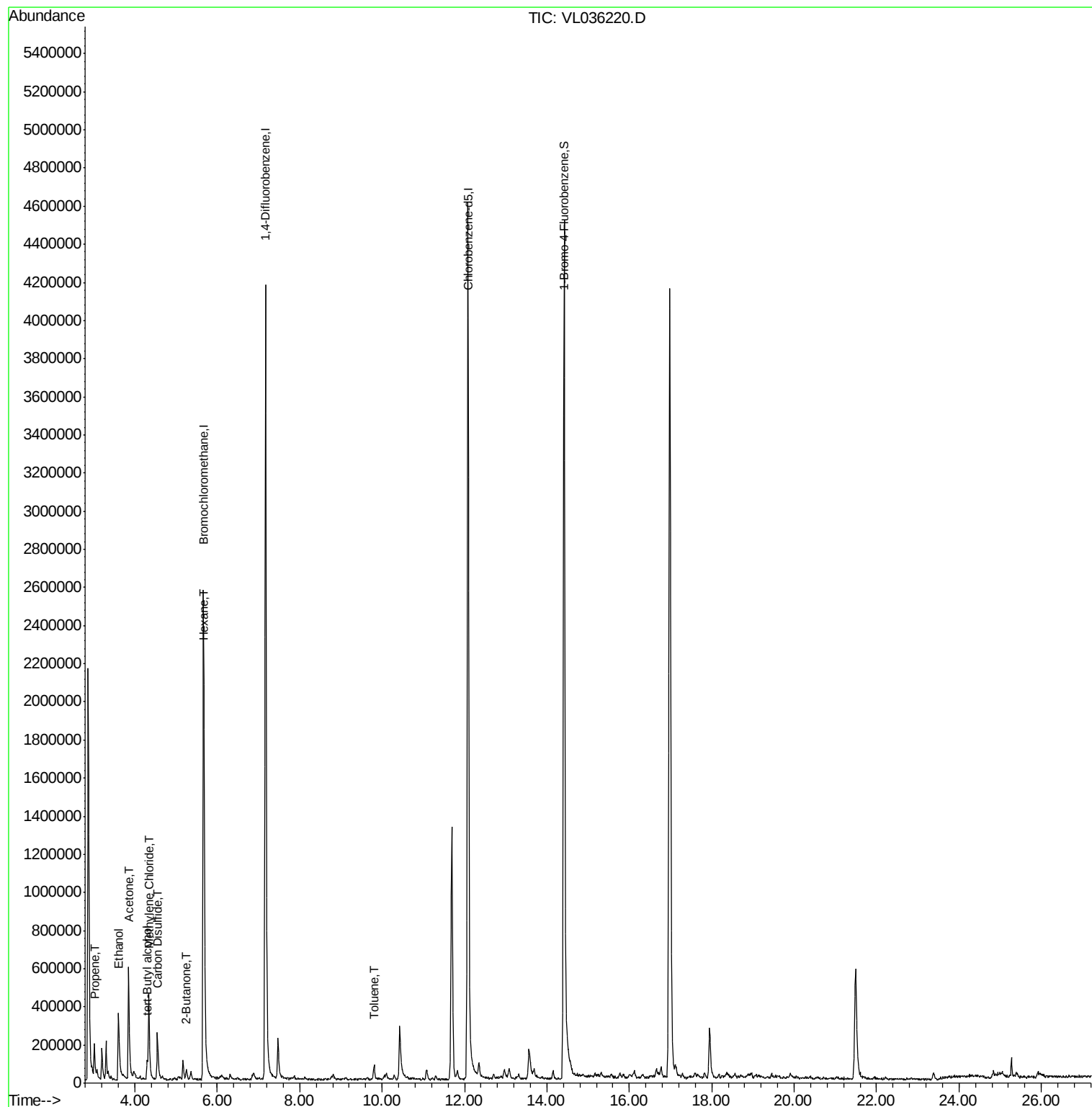
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL011321\
Data File : VL036220.D
Acq On : 13 Jan 2021 11:19
Operator : SY/AP
Sample : M1066-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 6 Sample Multiplier: 1

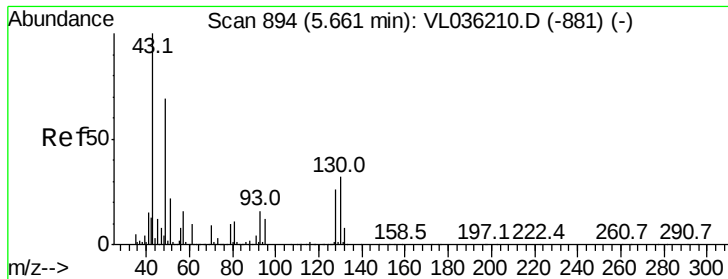
Instrument :
MSVOA_L
ClientSampleId :
0121-SS5DL

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Quant Time: Jan 16 20:35:48 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan
QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL036220.D

Acq: 13 Jan 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

0121-SS5DL

Tot Ion: 49 Resp: 1535340

Ion Ratio Lower Upper

49 100

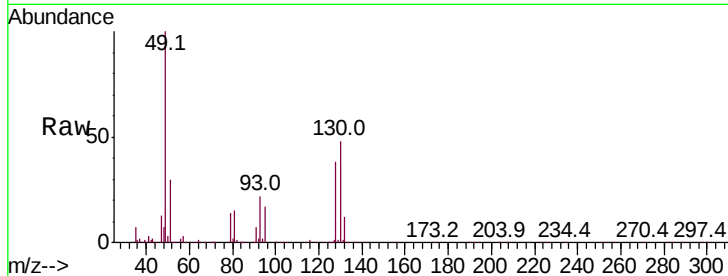
128 40.2 20.1 60.2

130 51.7 25.3 75.9

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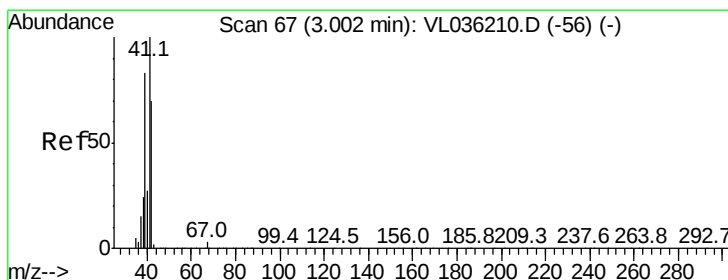
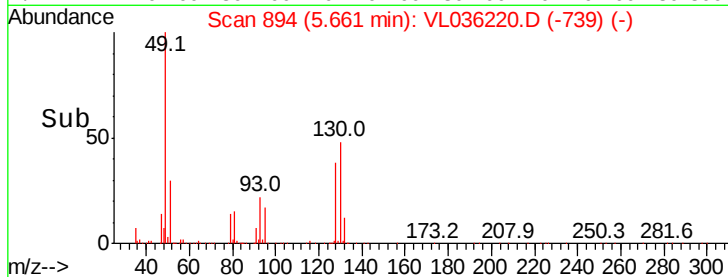
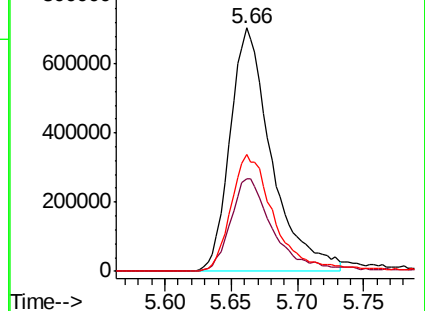
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.381 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL036220.D

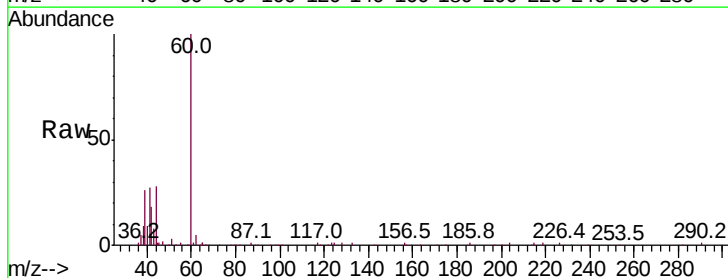
Acq: 13 Jan 2021 11:19

Tgt Ion: 41 Resp: 34199

Ion Ratio Lower Upper

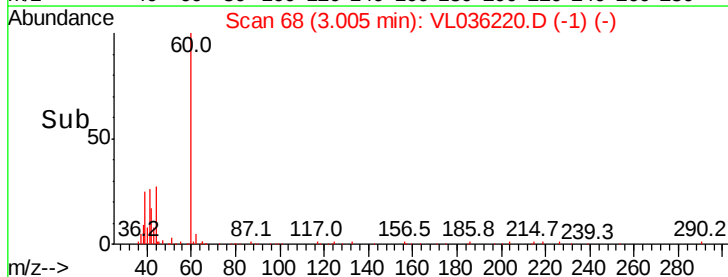
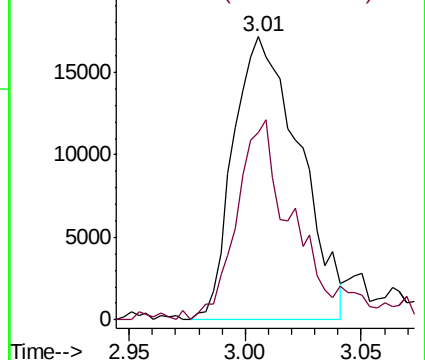
41 100

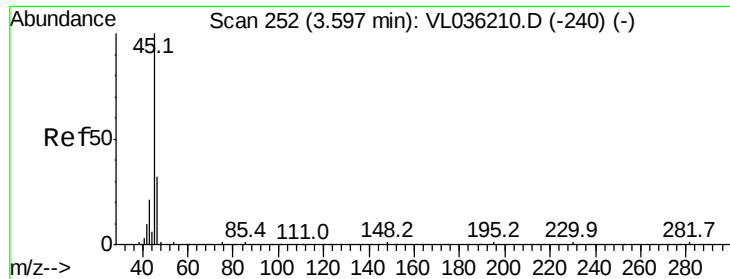
42 67.5 57.1 85.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 36.091 ppbv m

RT: 3.60 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL036220.D

Acq: 13 Jan 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

0121-SS5DL

Tot Ion: 45 Resp: 508863

Ion Ratio Lower Upper

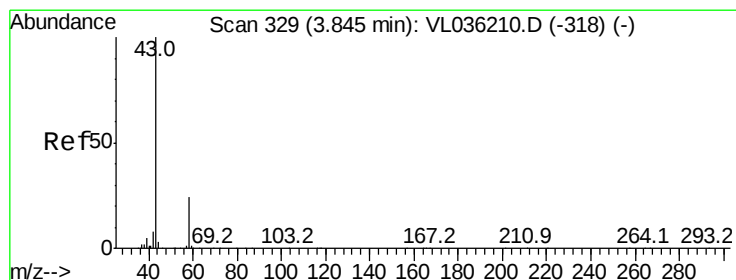
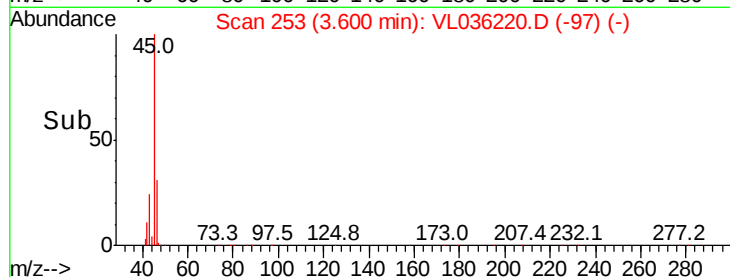
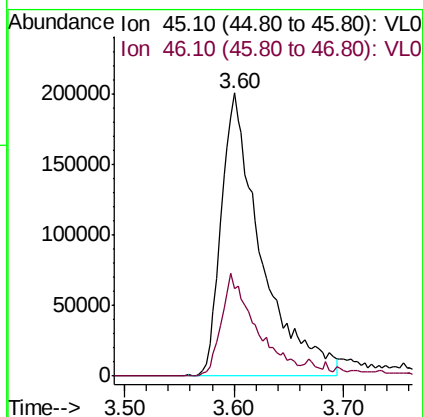
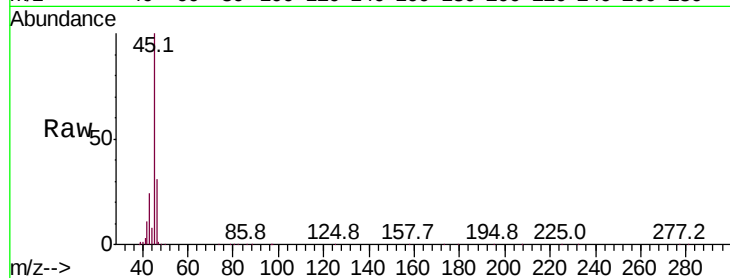
45 100

46 37.1 19.2 77.0

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#15

Acetone

Concen: 3.954 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL036220.D

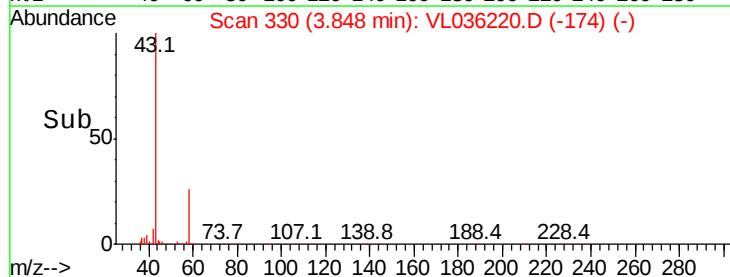
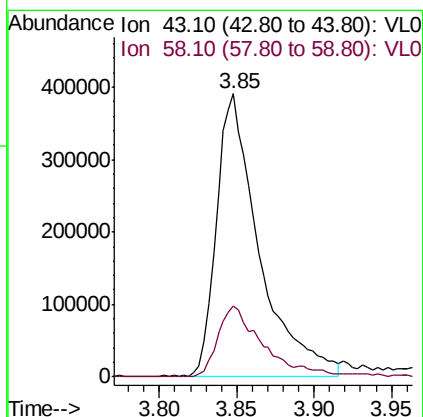
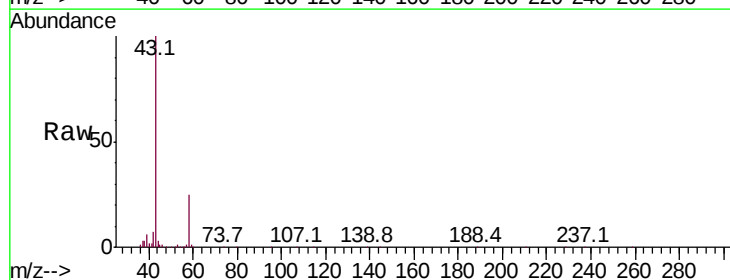
Acq: 13 Jan 2021 11:19

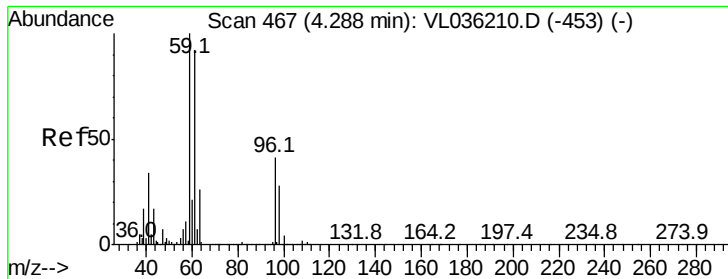
Tgt Ion: 43 Resp: 743574

Ion Ratio Lower Upper

43 100

58 27.8 20.9 31.3





#17

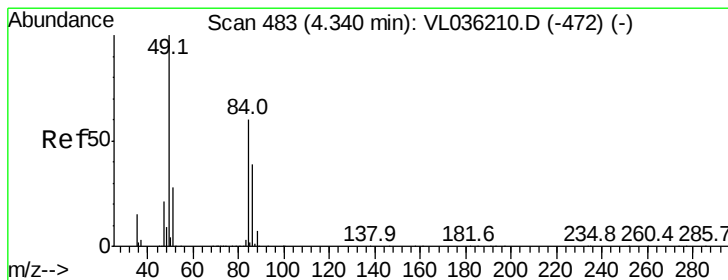
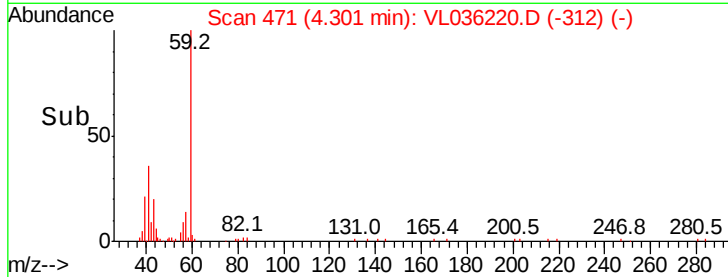
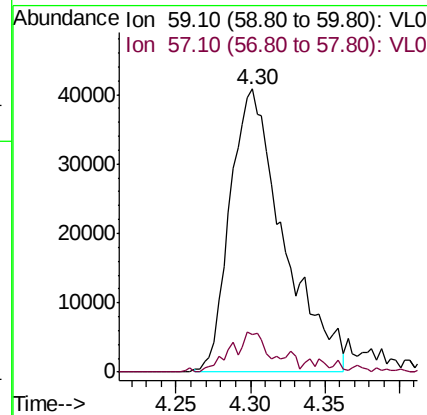
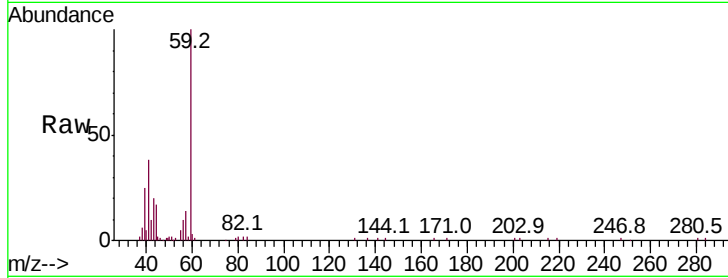
tert-Butyl alcohol
Concen: 0.660 ppbv m
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL036220.D
Acq: 13 Jan 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
0121-SS5DL

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.1	9.2	13.8

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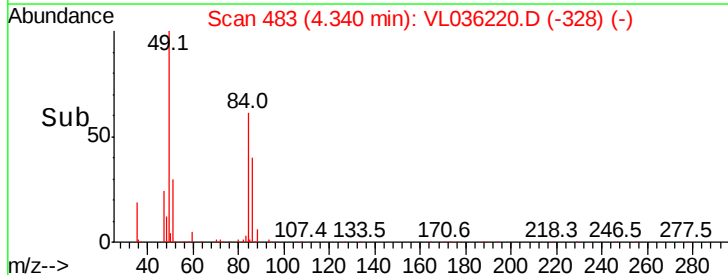
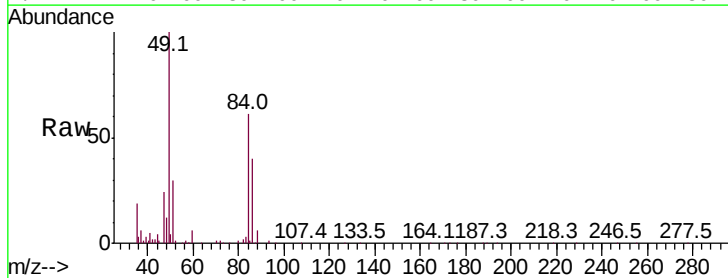
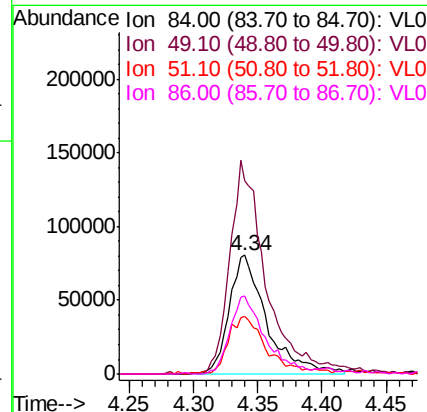
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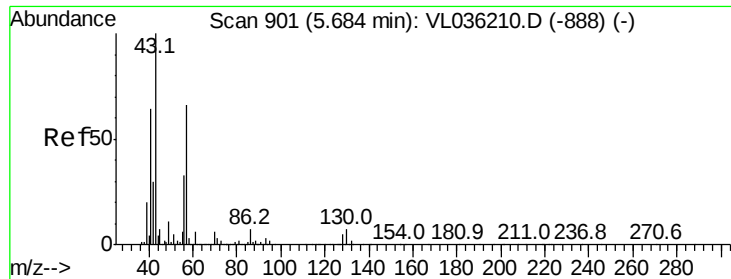


#20

Methylene Chloride
Concen: 2.715 ppbv m
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036220.D
Acq: 13 Jan 2021 11:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	163.2	134.1	201.1
51	49.0	37.4	56.0
86	65.8	52.6	78.8





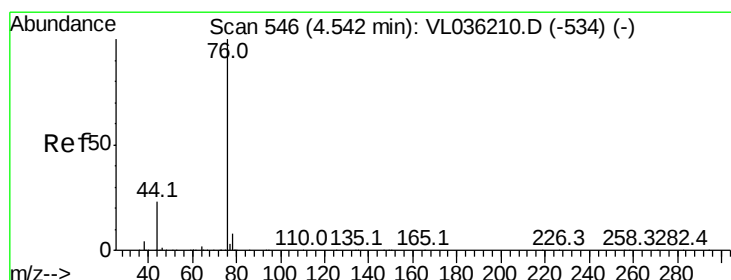
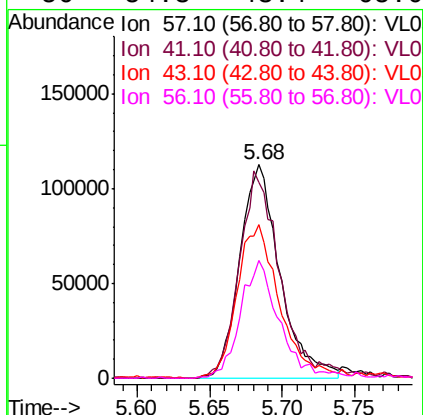
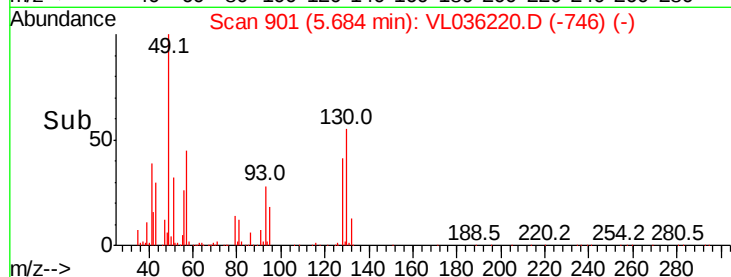
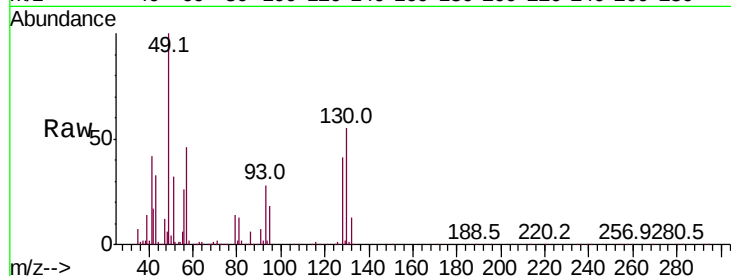
#26
Hexane
Concen: 1.381 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036220.D
Acq: 13 Jan 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
0121-SS5DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	103.0	83.0	124.6
43	79.2	202.4	303.6#
56	54.3	43.4	65.0

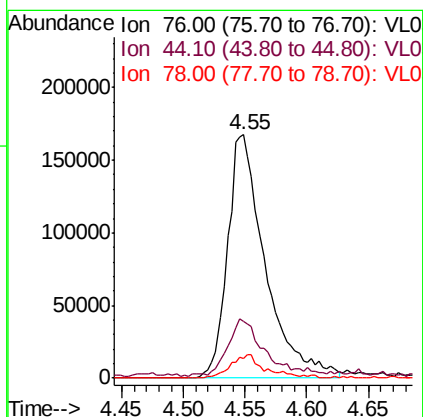
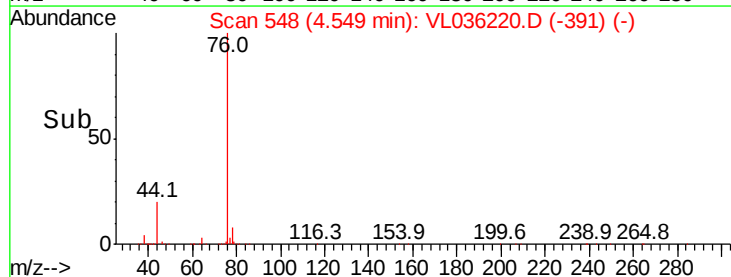
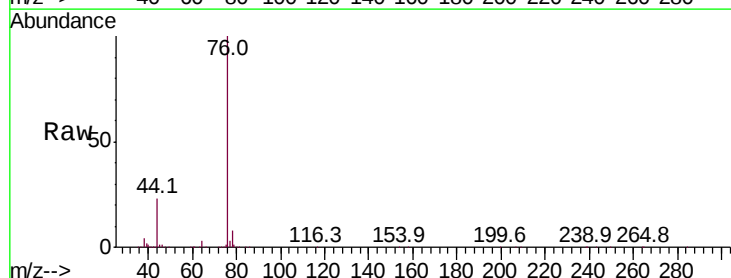
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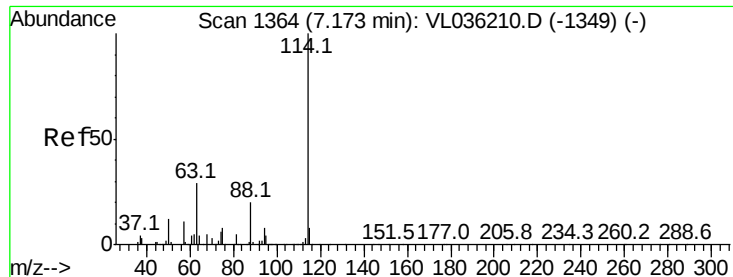
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#27
Carbon Disulfide
Concen: 2.842 ppbv m
RT: 4.55 min Scan# 548
Delta R.T. 0.01 min
Lab File: VL036220.D
Acq: 13 Jan 2021 11:19

Tgt Ion	Ratio	Lower	Upper
76	100		
44	24.1	19.0	28.6
78	8.9	8.0	12.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VL036220.D

Acq: 13 Jan 2021 11:19

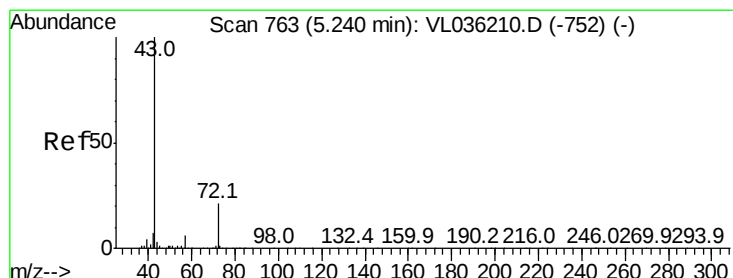
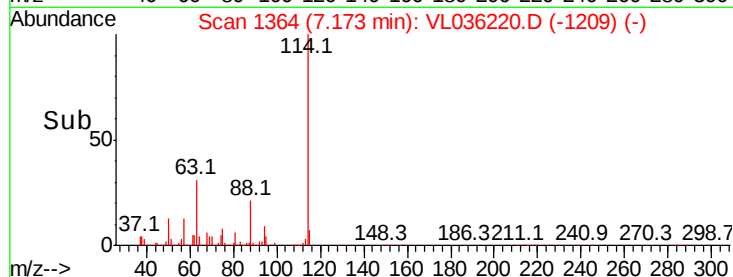
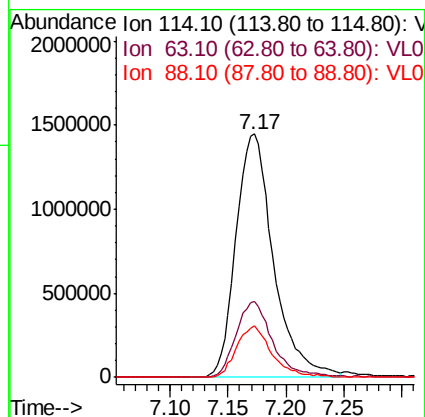
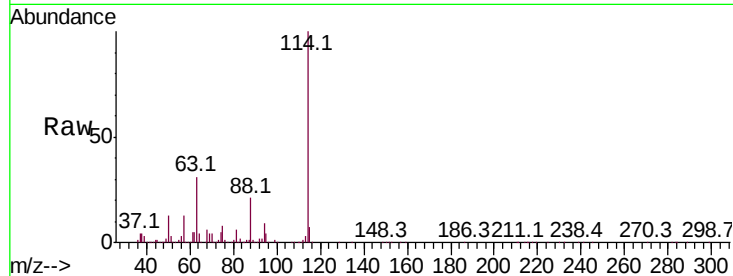
Instrument :
MSVOA_L

ClientSampleId :
0121-SS5DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.8	24.7	37.1
88	20.4	16.6	24.8

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#34

2-Butanone

Concen: 0.332 ppbv m

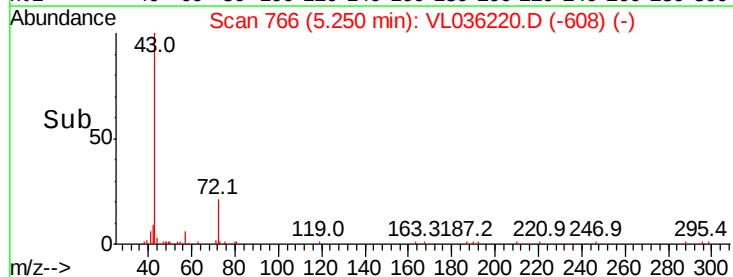
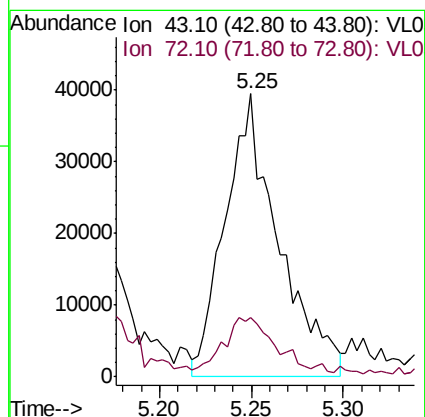
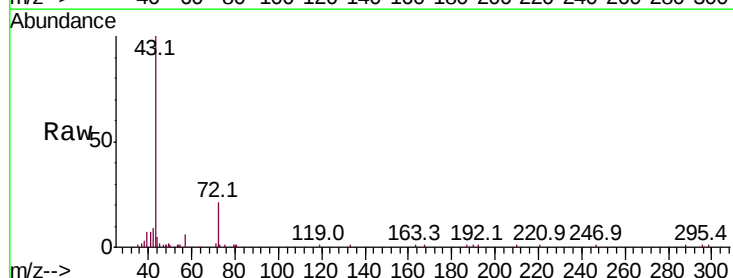
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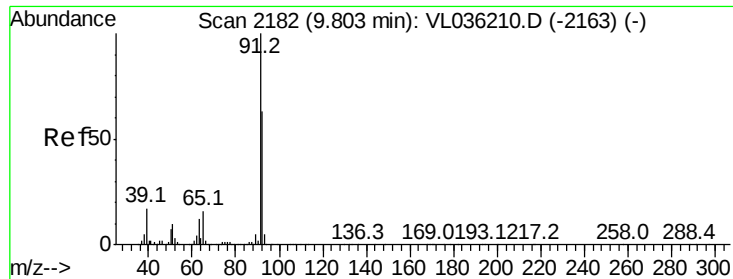
Delta R.T. 0.01 min

Lab File: VL036220.D

Acq: 13 Jan 2021 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.8	16.1	24.1#





#53

Toluene

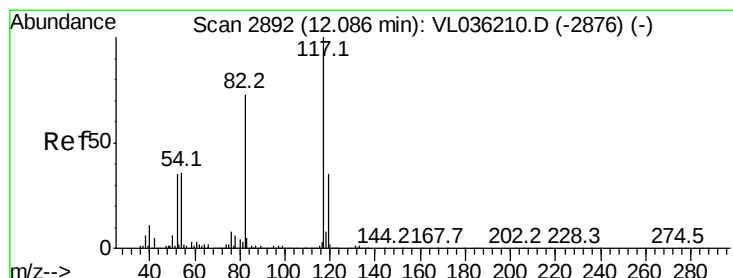
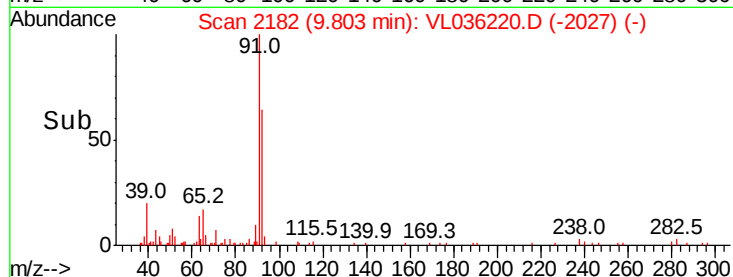
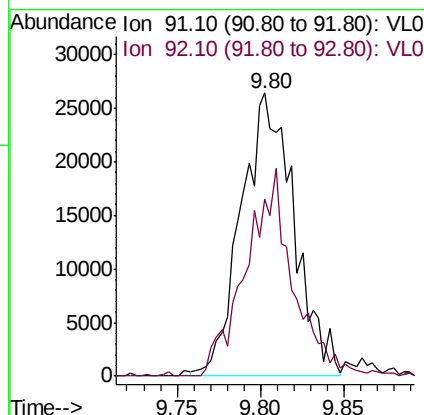
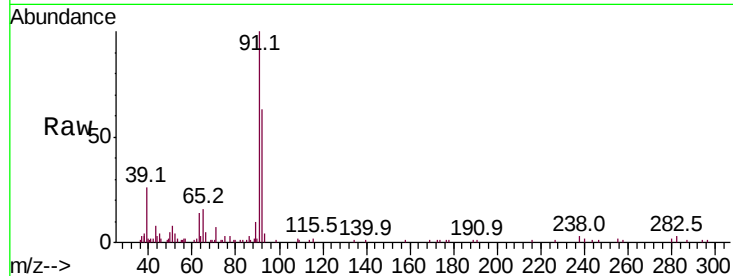
Concen: 0.174 ppbv m
RT: 9.80 min Scan# 2182
Delta R.T. -0.00 min
Lab File: VL036220.D
Acq: 13 Jan 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
0121-SS5DL

Tot Ion: 91 Resp: 58187
Ion Ratio Lower Upper
91 100
92 0.0 48.5 72.7#

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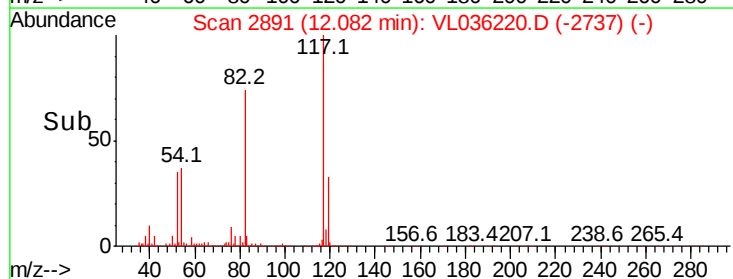
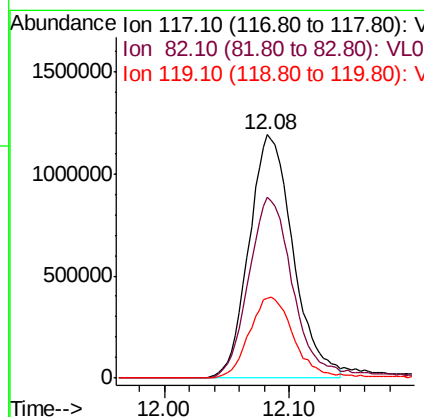
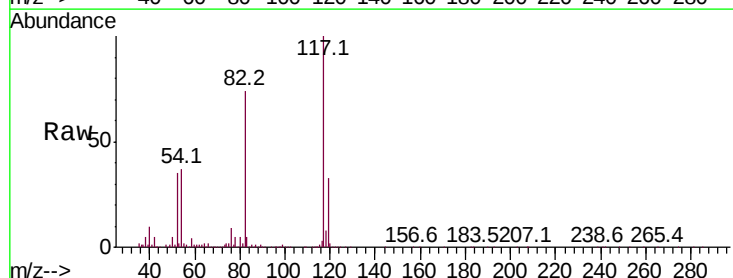


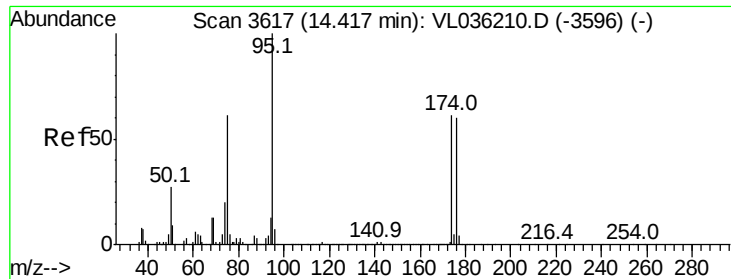
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.00 min
Lab File: VL036220.D
Acq: 13 Jan 2021 11:19

Tgt Ion: 117 Resp: 2910064
Ion Ratio Lower Upper
117 100
82 77.2 59.7 89.5
119 34.4 28.6 43.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.215 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.00 min

Lab File: VL036220.D

Acq: 13 Jan 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

0121-SS5DL

Tot Ion: 95 Resp: 2460620

Ion Ratio Lower Upper

95 100

174 63.8 49.4 74.0

175 4.5 3.8 5.8

Manual Integrations

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