

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040921\
 Data File : VL036776.D
 Acq On : 9 Apr 2021 16:08
 Operator : SY/AP
 Sample : M1987-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 GOI-IA-4(2021)DL

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 5:42:47 PM

Quant Time: Apr 10 07:18:01 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	5.66	49	1378028	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3217106	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	2599749	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.41	95	1710861	8.26	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	111944m	1.364	ppbv	
13) Ethanol	3.61	45	74013m	7.572	ppbv	
15) Acetone	3.85	43	113328m	0.836	ppbv	
19) Isopropyl Alcohol	3.98	45	17970m	0.241	ppbv	
20) Methylene Chloride	4.33	84	101750	1.602	ppbv	83
26) Hexane	5.68	57	62418m	0.417	ppbv	
53) Toluene	9.79	91	30245	0.096	ppbv	95

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

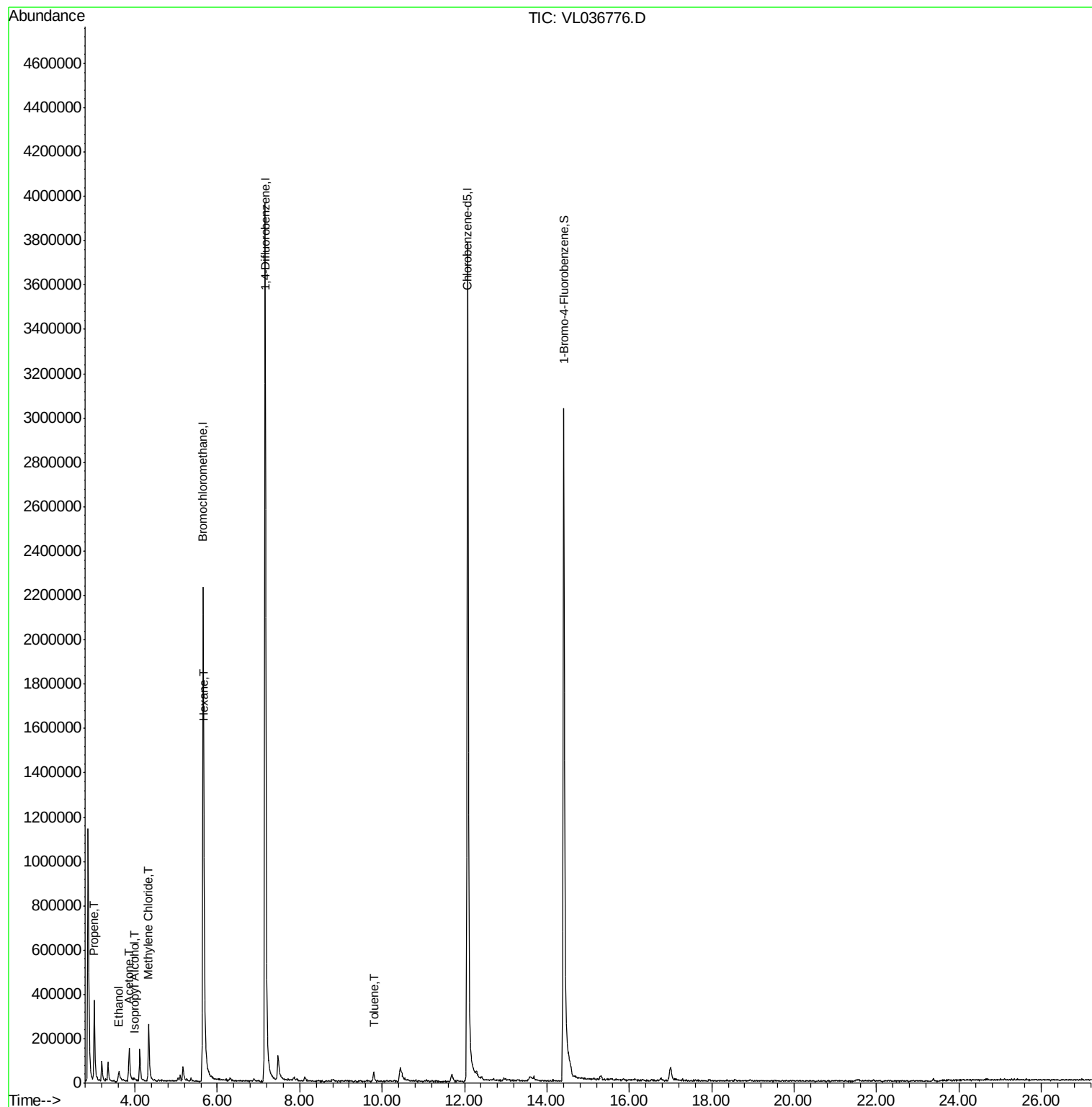
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040921\
Data File : VL036776.D
Acq On : 9 Apr 2021 16:08
Operator : SY/AP
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Misc : 400mL/MSVOA L
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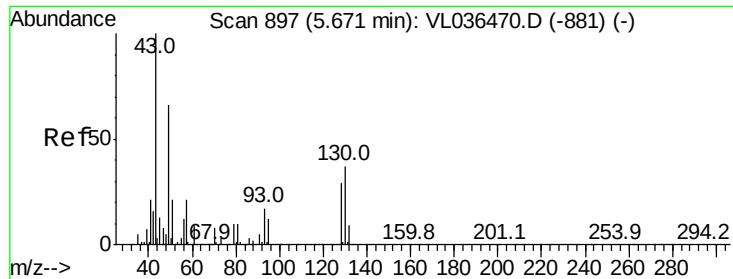
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL036776.D

Acq: 9 Apr 2021 16:08

Instrument :

MSVOA_L

ClientSampleId :

GOI-IA-4(2021)DL

Tot Ion: 49 Resp: 1378028

Ion Ratio Lower Upper

49 100

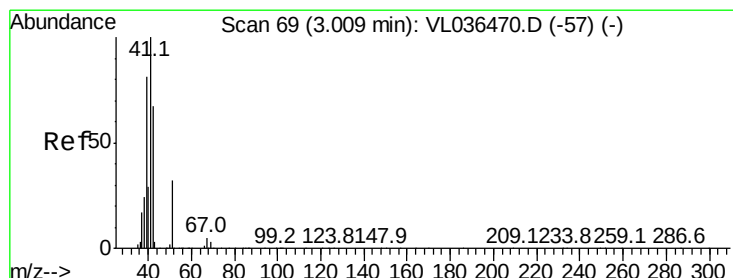
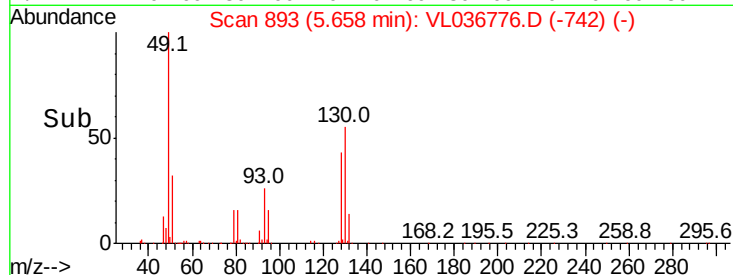
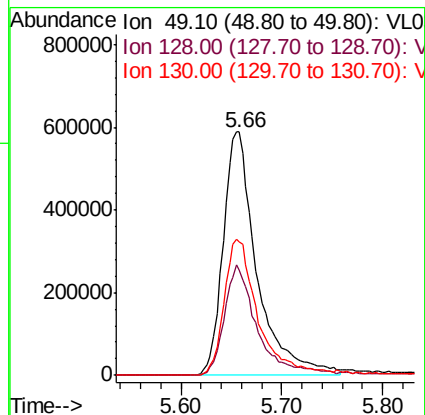
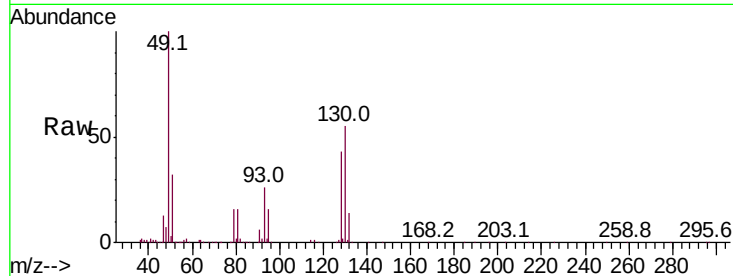
128 44.8 23.5 70.6

130 58.2 29.1 87.4

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#9

Propene

Concen: 1.364 ppbv m

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL036776.D

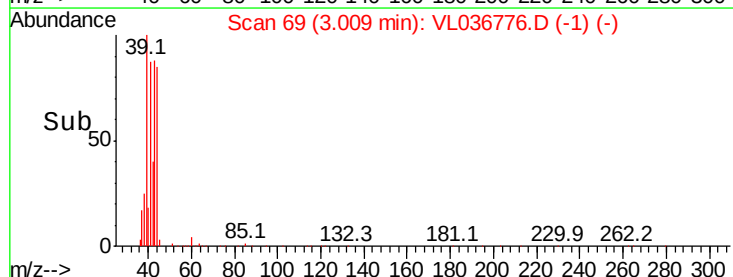
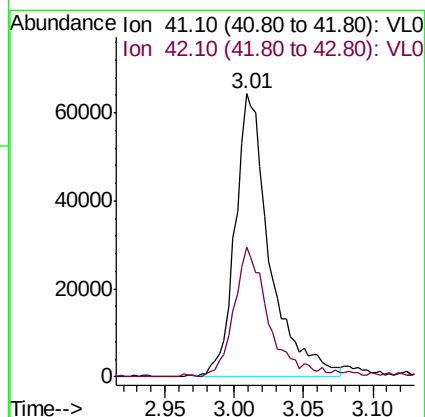
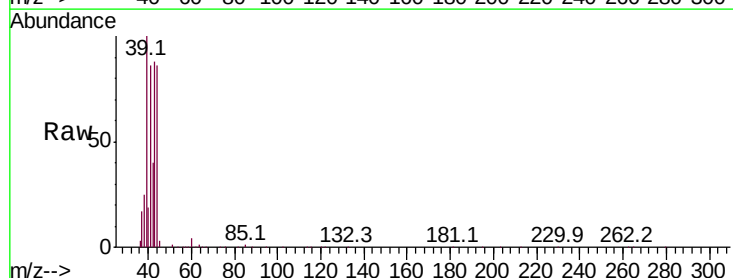
Acq: 9 Apr 2021 16:08

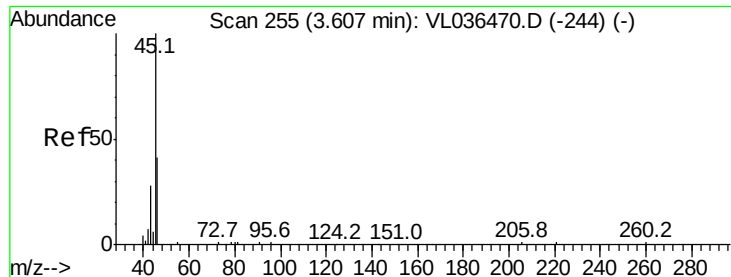
Tgt Ion: 41 Resp: 111944

Ion Ratio Lower Upper

41 100

42 20.6 57.0 85.4#





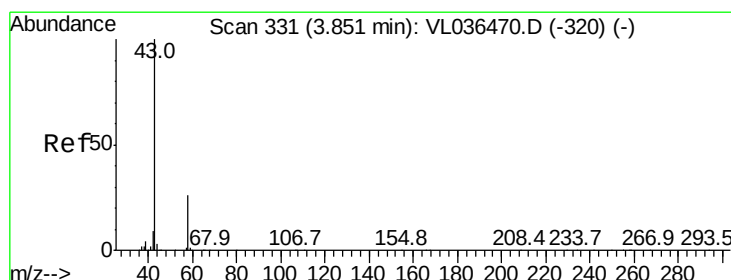
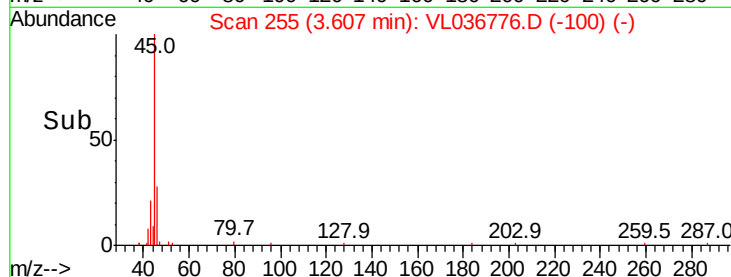
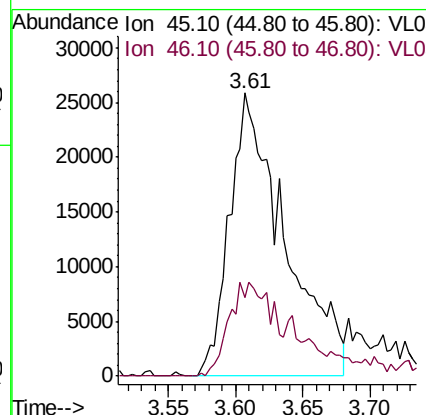
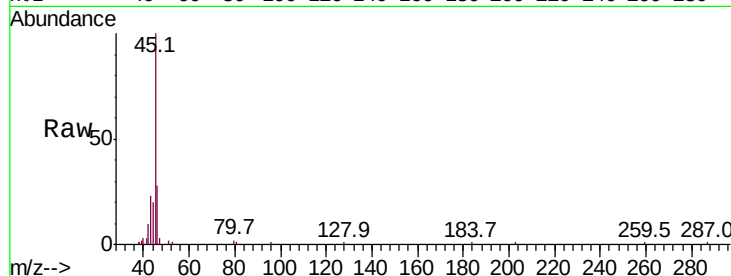
#13
Ethanol
Concen: 7.572 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL036776.D
Acq: 9 Apr 2021 16:08

Instrument :
MSVOA_L
ClientSampleId :
GOI-IA-4(2021)DL

Tot Ion: 45 Resp: 74013
Ion Ratio Lower Upper
45 100
46 43.7 16.6 66.2

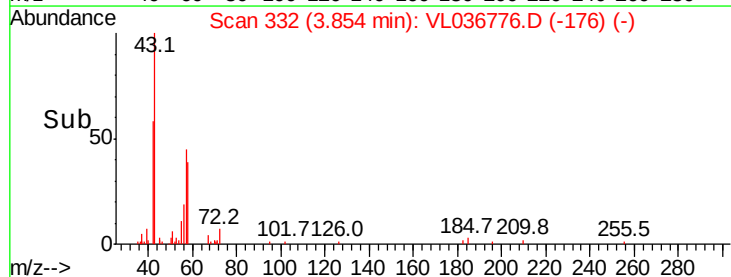
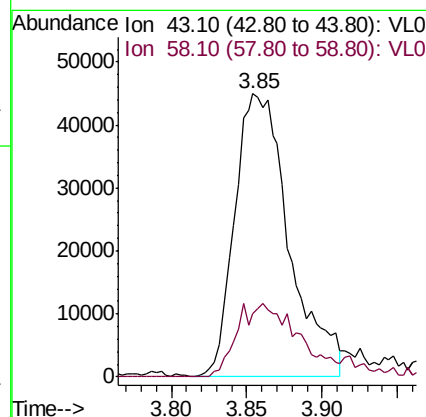
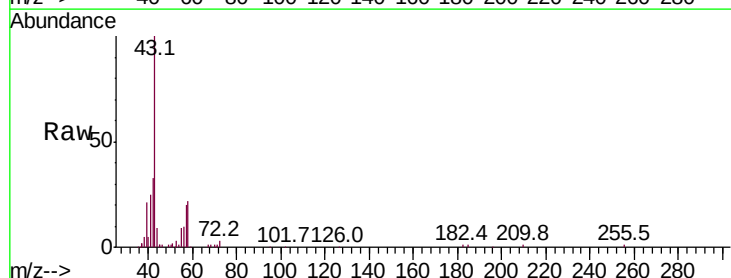
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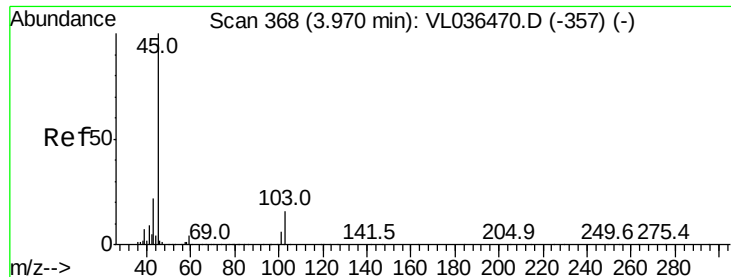
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#15
Acetone
Concen: 0.836 ppbv m
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL036776.D
Acq: 9 Apr 2021 16:08

Tgt Ion: 43 Resp: 113328
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#





#19

Isopropyl Alcohol

Concen: 0.241 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL036776.D

Acq: 9 Apr 2021 16:08

Instrument :

MSVOA_L

ClientSampleId :

GOI-IA-4(2021)DL

Tot Ion: 45 Resp: 17970

Ion Ratio Lower Upper

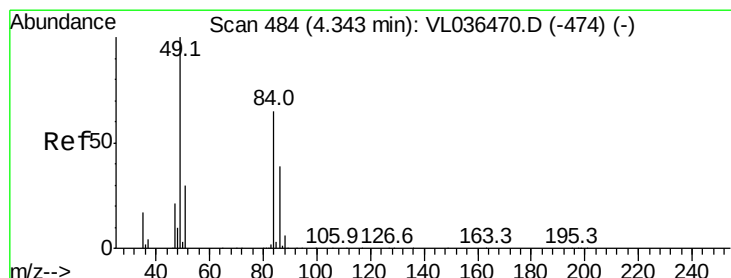
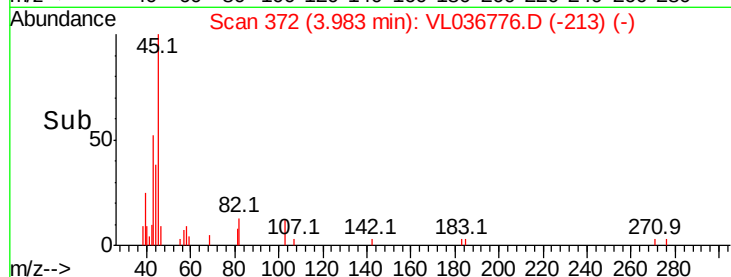
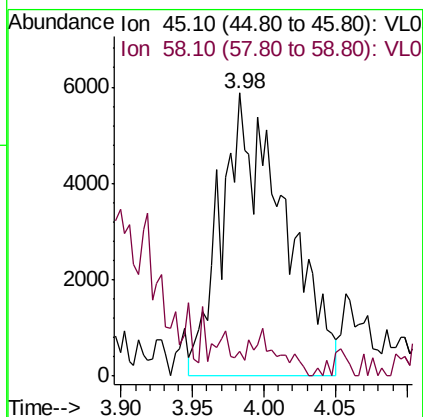
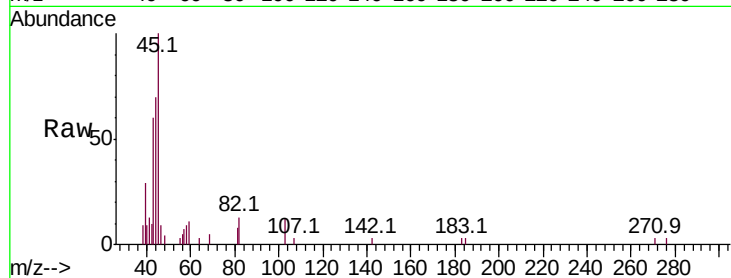
45 100

58 0.0 2.9 4.3#

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#20

Methylene Chloride

Concen: 1.602 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL036776.D

Acq: 9 Apr 2021 16:08

Tgt Ion: 84 Resp: 101750

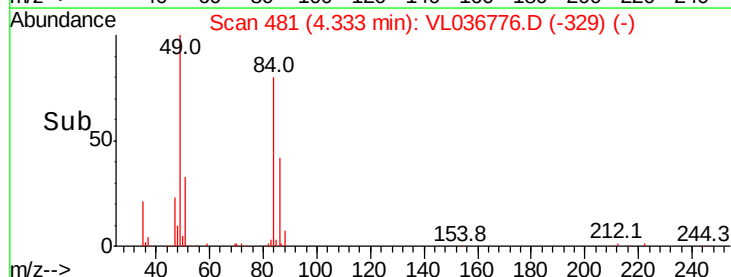
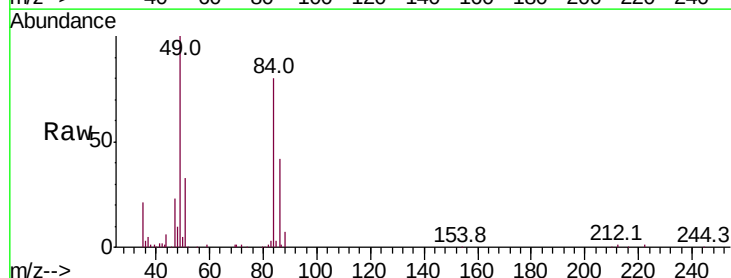
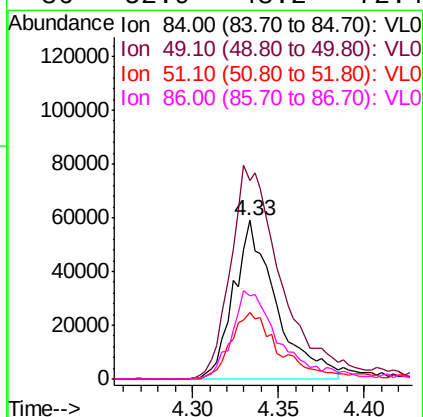
Ion Ratio Lower Upper

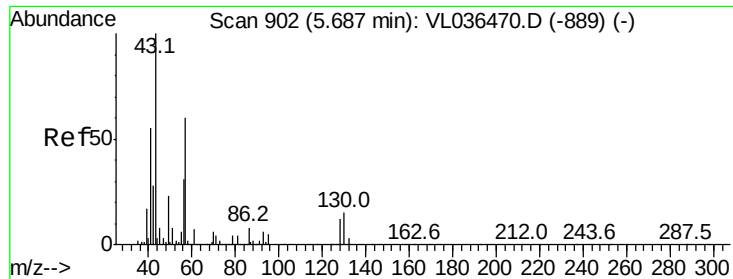
84 100

49 125.1 122.9 184.3

51 41.5 36.9 55.3

86 52.9 48.2 72.4





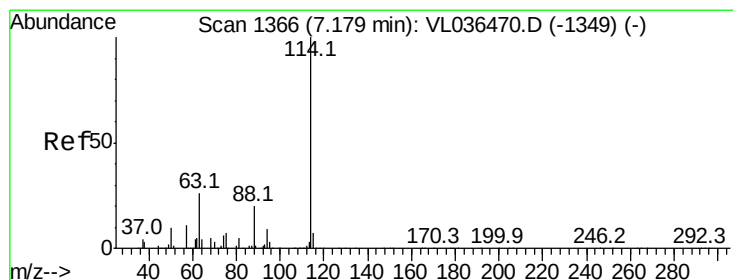
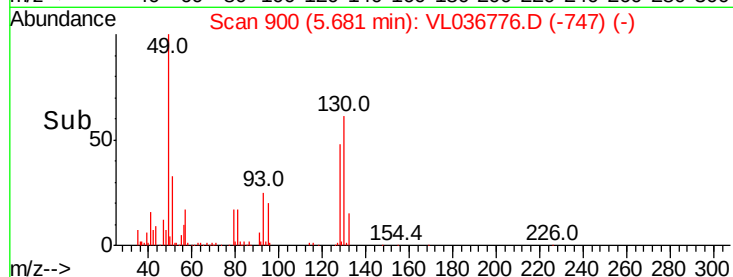
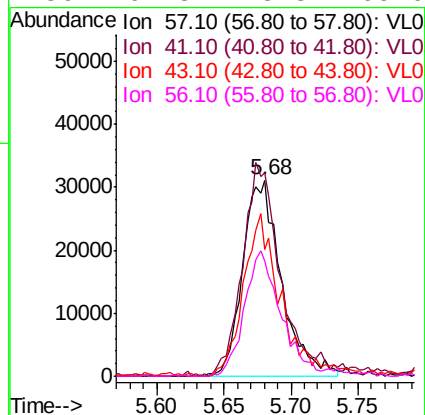
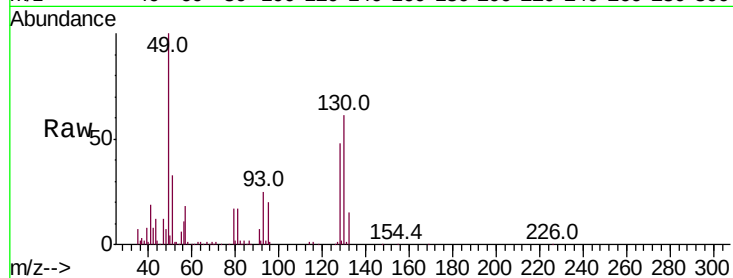
#26
Hexane
Concen: 0.417 ppbv m
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036776.D
Acq: 9 Apr 2021 16:08

Instrument :
MSVOA_L
ClientSampleId :
GOI-IA-4(2021)DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	0.0	77.2	115.8#
43	81.2	173.8	260.6#
56	62.8	43.8	65.6

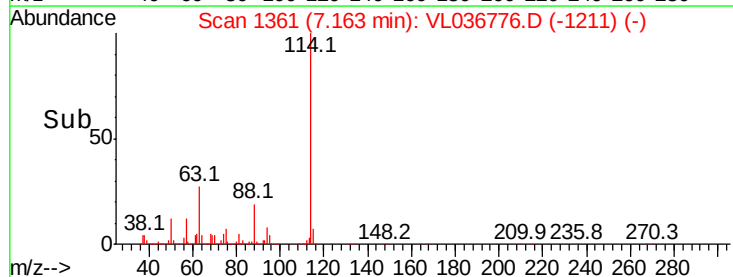
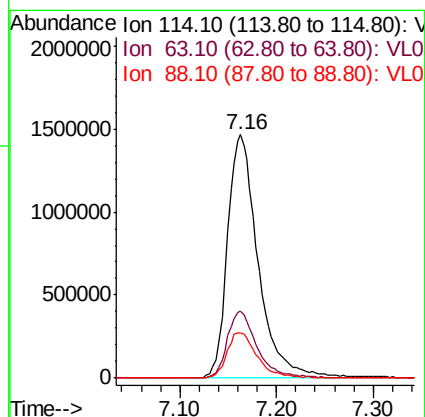
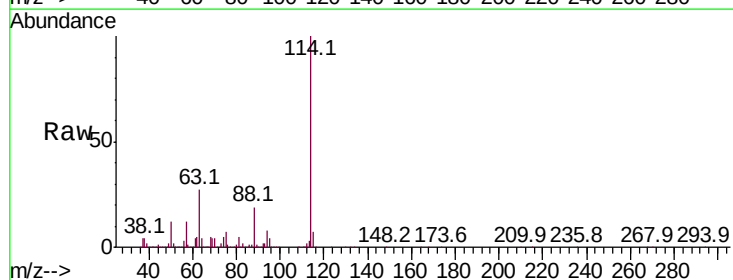
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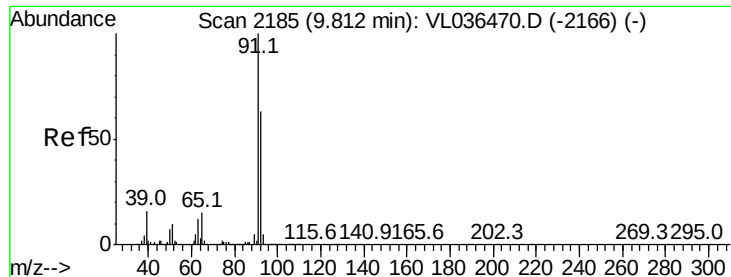
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.02 min
Lab File: VL036776.D
Acq: 9 Apr 2021 16:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.7	22.4	33.6
88	18.8	15.4	23.0





#53

Toluene

Concen: 0.096 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL036776.D

Acq: 9 Apr 2021 16:08

Instrument :

MSVOA_L

ClientSampleId :

GOI-IA-4(2021)DL

Tot Ion: 91 Resp: 30245

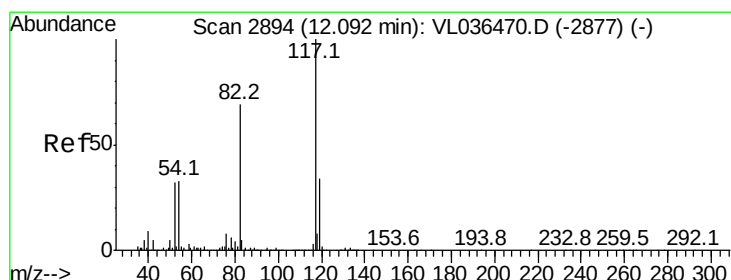
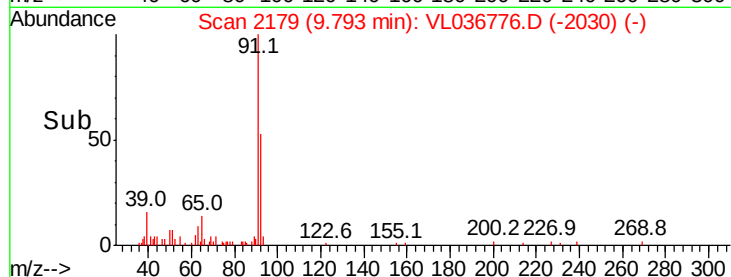
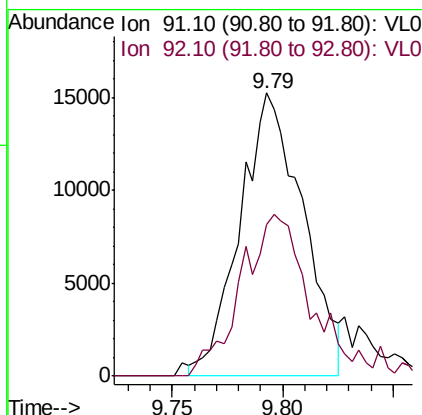
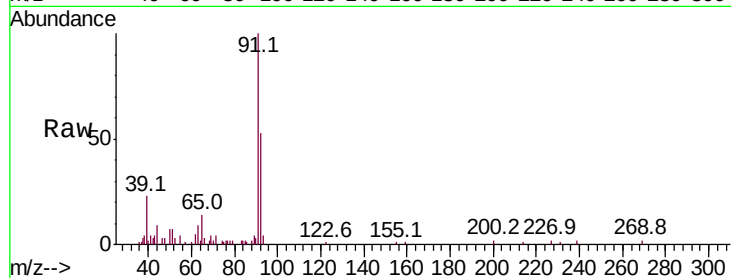
Ion Ratio Lower Upper

91 100

92 64.7 48.8 73.2

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.02 min

Lab File: VL036776.D

Acq: 9 Apr 2021 16:08

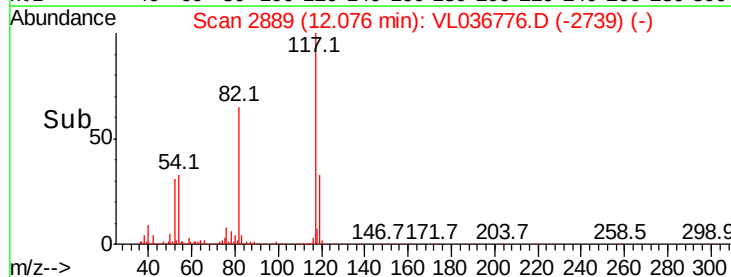
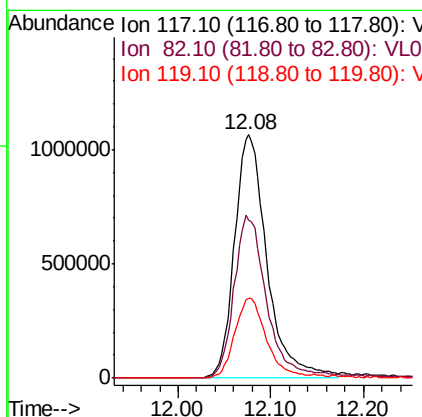
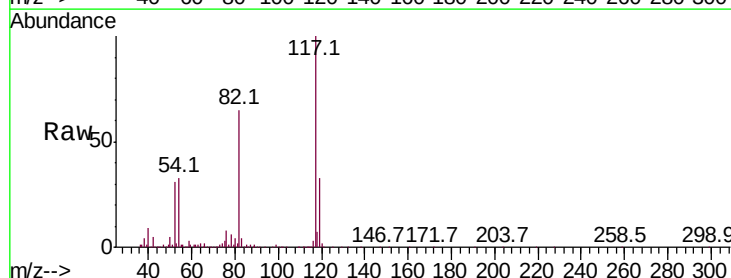
Tgt Ion: 117 Resp: 2599749

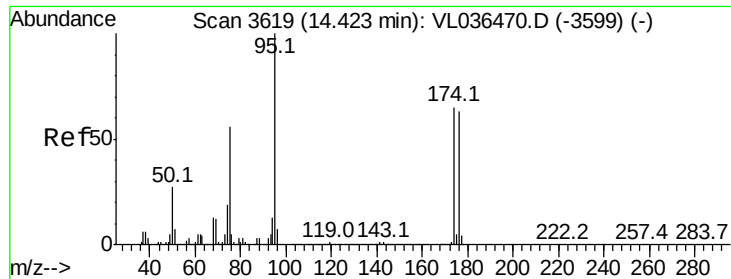
Ion Ratio Lower Upper

117 100

82 69.7 57.4 86.0

119 33.0 47.4 71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 8.257 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036776.D

Acq: 9 Apr 2021 16:08

Instrument :

MSVOA_L

ClientSampleId :

GOI-IA-4(2021)DL

Tot Ion: 95 Resp: 1710861

Ion Ratio Lower Upper

95 100

174 65.0 51.0 76.6

175 4.4 3.9 5.9

Manual Integrations
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