

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022621\
 Data File : VL036401.D
 Acq On : 26 Feb 2021 14:10
 Operator : SY/AP
 Sample : M1502-03 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-6

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:08:27 AM

Quant Time: Feb 27 03:37:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1480740	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	3189696	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	2917159	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2262178	9.43	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	25444m	0.371	ppbv	
13) Ethanol	3.60	45	39003m	3.027	ppbv	
15) Acetone	3.83	43	184927	1.022	ppbv	# 73
20) Methylene Chloride	4.32	84	1257637	21.537	ppbv	98
26) Hexane	5.66	57	140261m	0.977	ppbv	
34) 2-Butanone	5.23	43	26561m	0.125	ppbv	
53) Toluene	9.77	91	64538m	0.220	ppbv	
59) m/p-Xylene	12.93	91	64222m	0.183	ppbv	

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

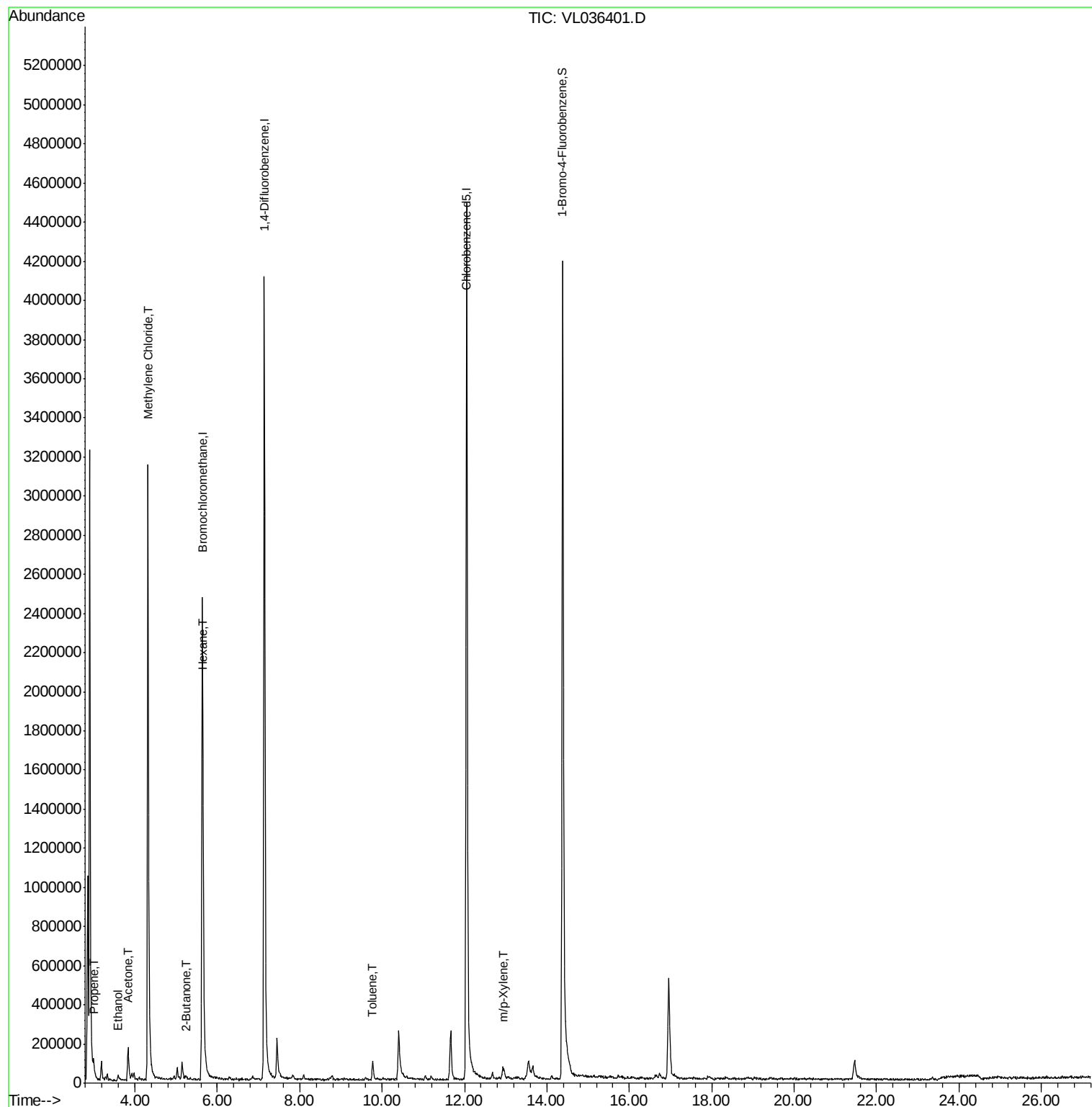
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022621\
Data File : VL036401.D
Acq On : 26 Feb 2021 14:10
Operator : SY/AP
Sample : M1502-03 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

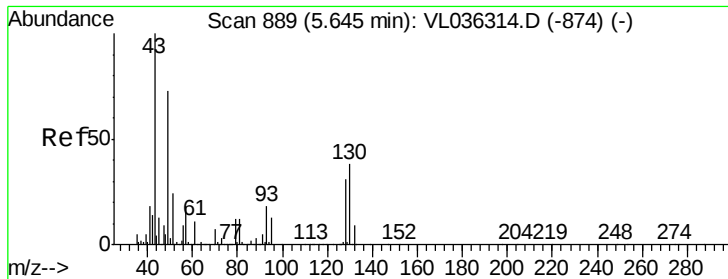
Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations
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Quant Time: Feb 27 03:37:05 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

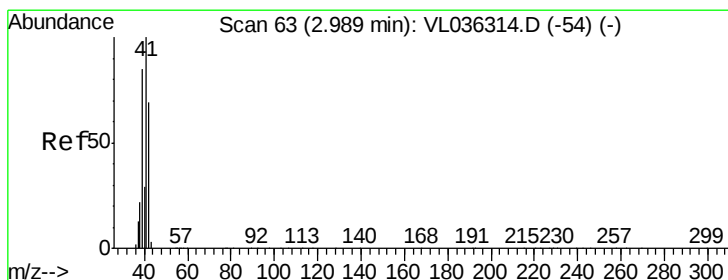
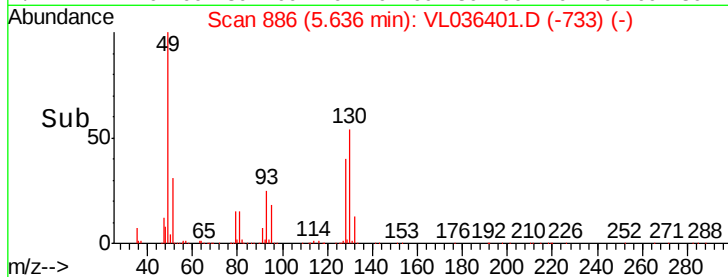
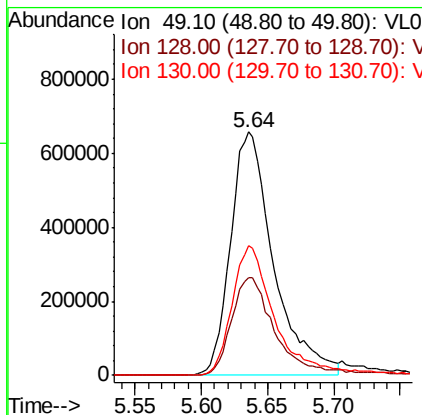
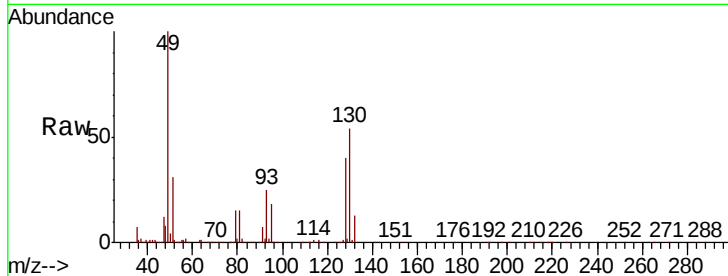
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: VL036401.D
 Acq: 26 Feb 2021 14:10

Instrument :
 MSVOA_L
 ClientSampled :
 SG-6

Tot Ion: 49 Resp: 1480740
 Ion Ratio Lower Upper
 49 100
 128 42.6 20.8 62.5
 130 54.6 26.7 80.1

Manual Integrations
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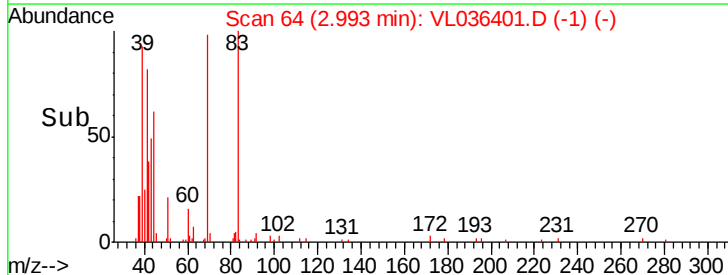
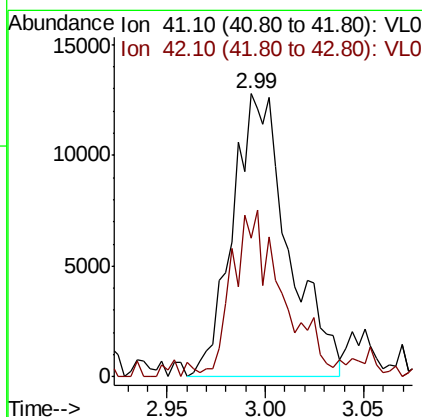
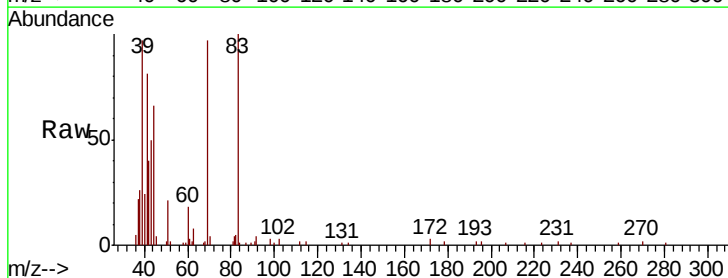
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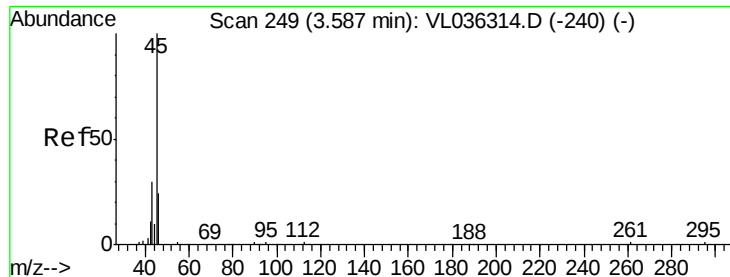


#9

Propene
 Concen: 0.371 ppbv m
 RT: 2.99 min Scan# 64
 Delta R.T. 0.00 min
 Lab File: VL036401.D
 Acq: 26 Feb 2021 14:10

Tgt Ion: 41 Resp: 25444
 Ion Ratio Lower Upper
 41 100
 42 59.4 56.2 84.2





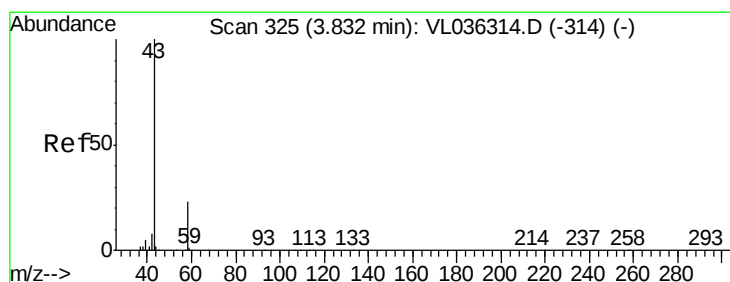
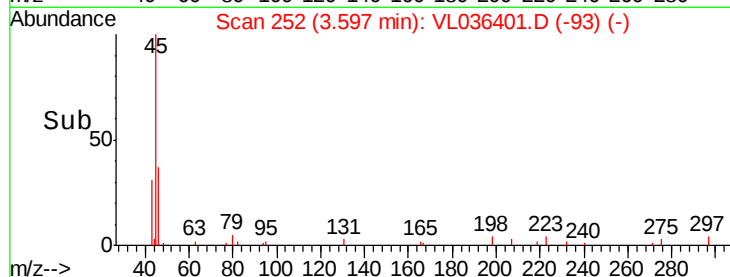
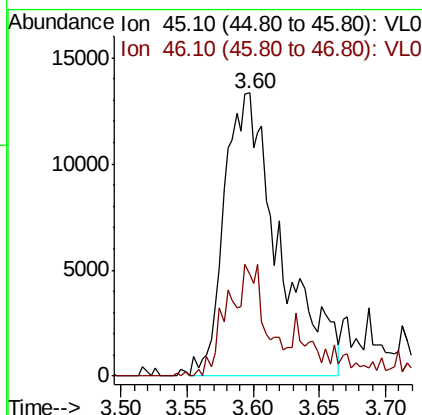
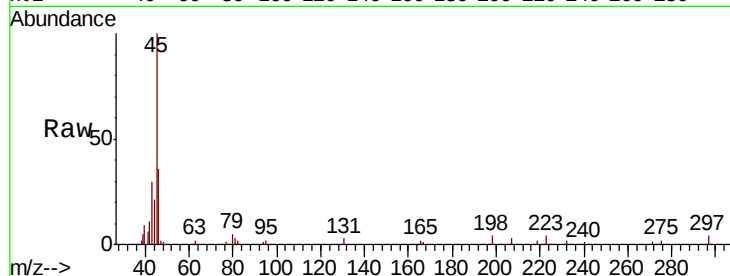
#13
Ethanol
Concen: 3.027 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. 0.01 min
Lab File: VL036401.D
Acq: 26 Feb 2021 14:10

Instrument :
MSVOA_L
ClientSampled :
SG-6

Tot Ion: 45 Resp: 39003
Ion Ratio Lower Upper
45 100
46 26.6 17.7 70.7

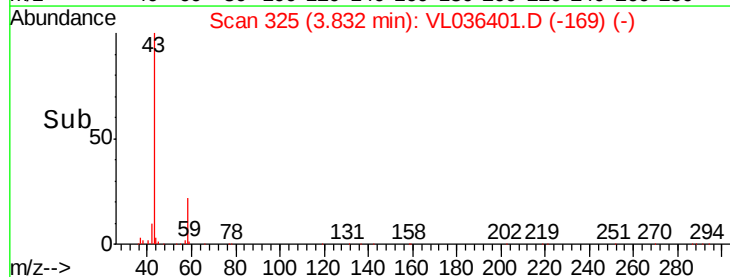
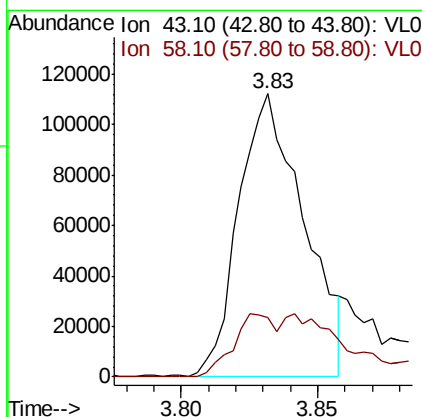
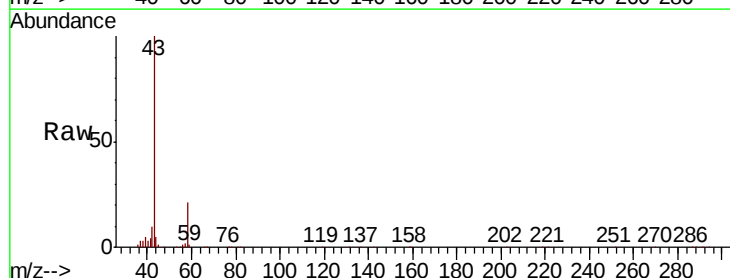
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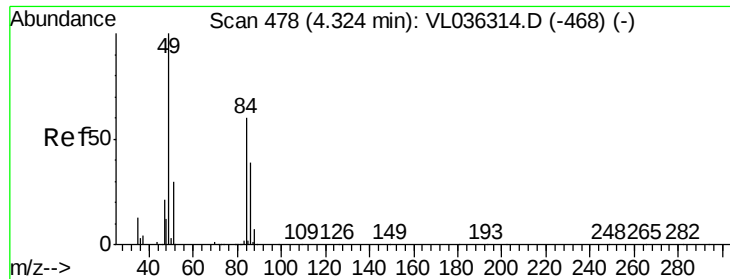
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#15
Acetone
Concen: 1.022 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL036401.D
Acq: 26 Feb 2021 14:10

Tgt Ion: 43 Resp: 184927
Ion Ratio Lower Upper
43 100
58 38.8 20.3 30.5#





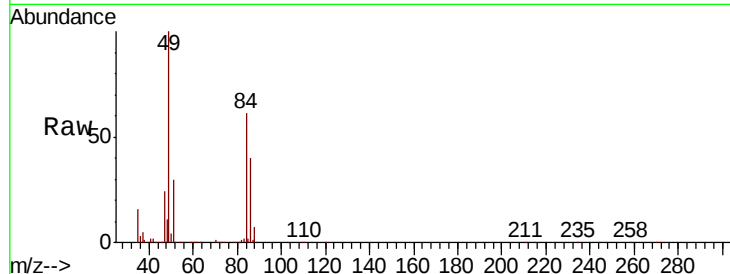
#20
Methvlene Chloride
Concen: 21.537 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.01 min
Lab File: VL036401.D
Acq: 26 Feb 2021 14:10

Instrument :
MSVOA_L
ClientSampled :
SG-6

Tot Ion	84	Resp	1257637
Ion	Ratio	Lower	Upper
84	100		
49	164.7	133.8	200.8
51	50.1	41.4	62.0
86	66.1	51.5	77.3

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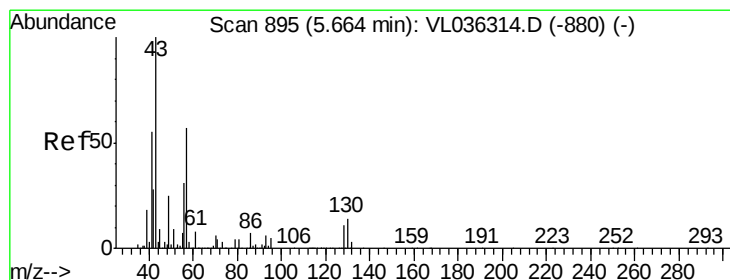
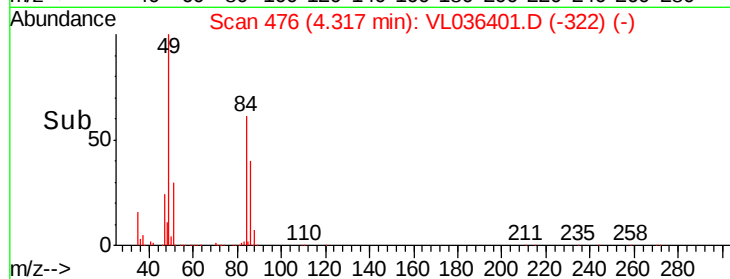
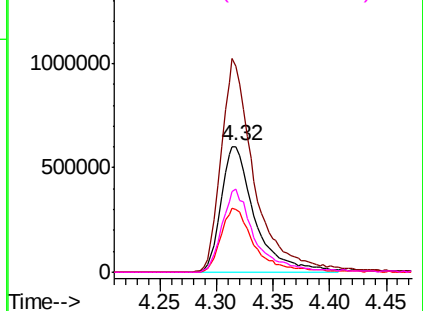
Abundance

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



#26
Hexane
Concen: 0.977 ppbv m
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL036401.D
Acq: 26 Feb 2021 14:10

Tgt Ion	57	Resp	140261
Ion	Ratio	Lower	Upper
57	100		
41	112.3	81.7	122.5
43	80.3	199.1	298.7#
56	61.6	44.0	66.0

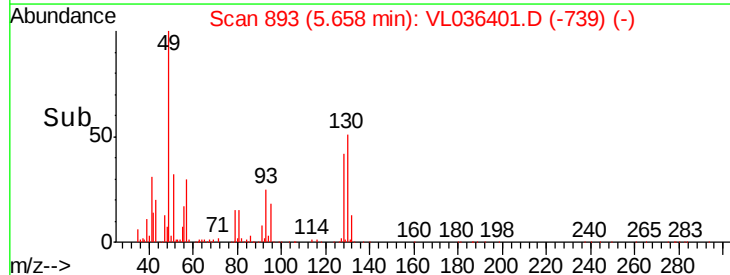
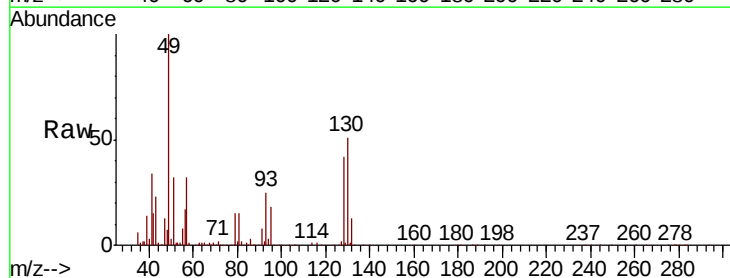
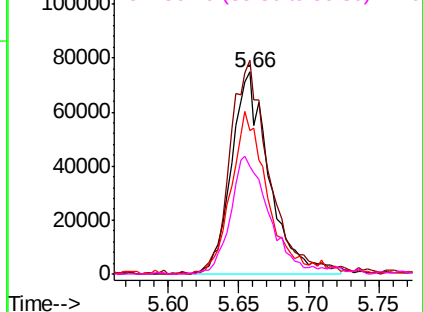
Abundance

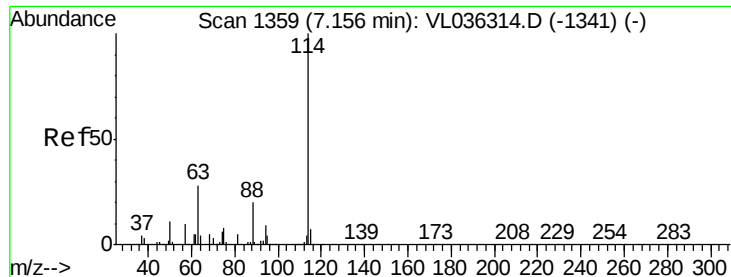
Ion 57.10 (56.80 to 57.80): VL0

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





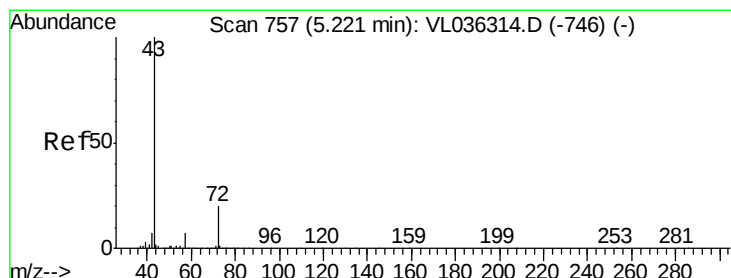
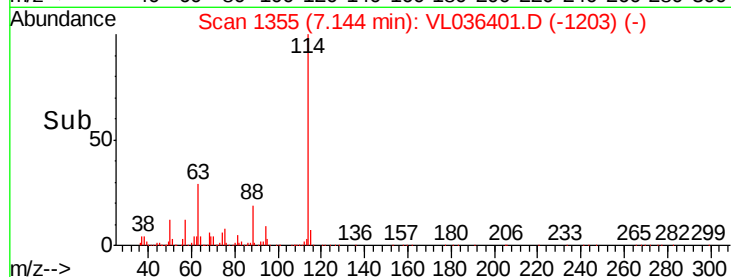
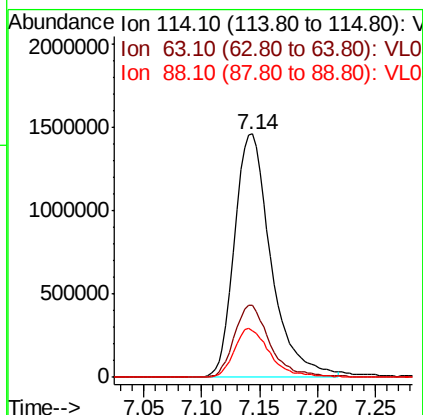
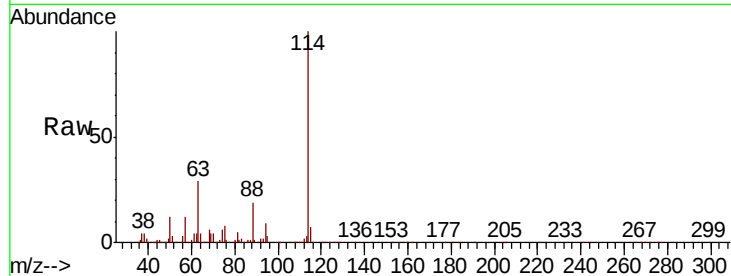
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL036401.D
 Acq: 26 Feb 2021 14:10

Instrument :
 MSVOA_L
 ClientSampled :
 SG-6

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.6	24.1	36.1
88	19.8	16.0	24.0

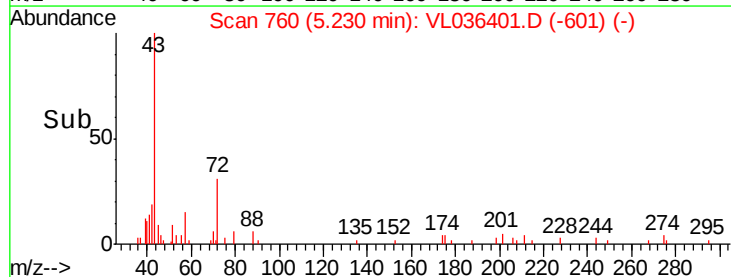
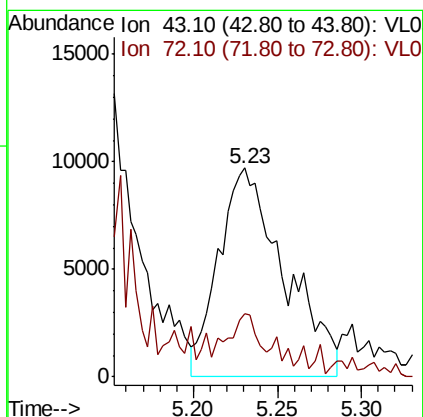
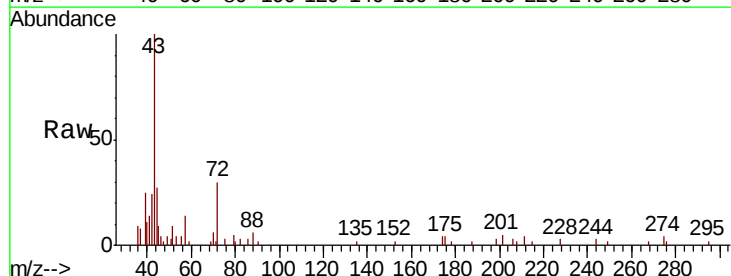
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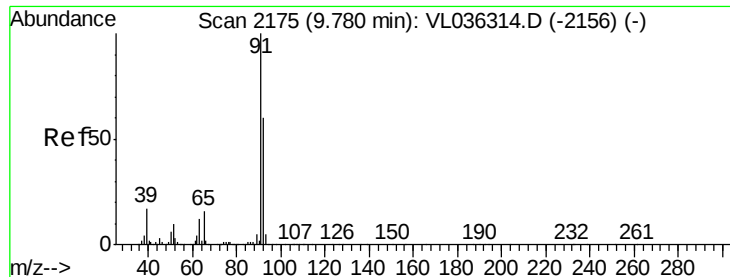
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#34
 2-Butanone
 Concen: 0.125 ppbv m
 RT: 5.23 min Scan# 760
 Delta R.T. 0.01 min
 Lab File: VL036401.D
 Acq: 26 Feb 2021 14:10

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.6	16.7	25.1#





#53

Toluene

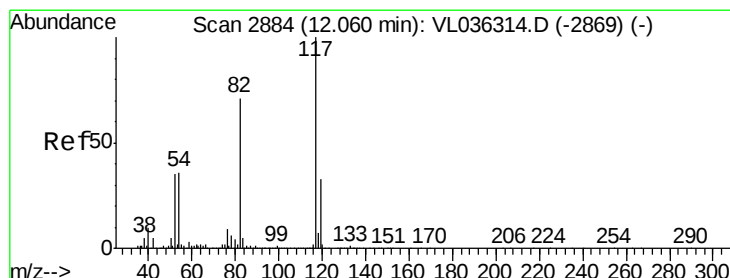
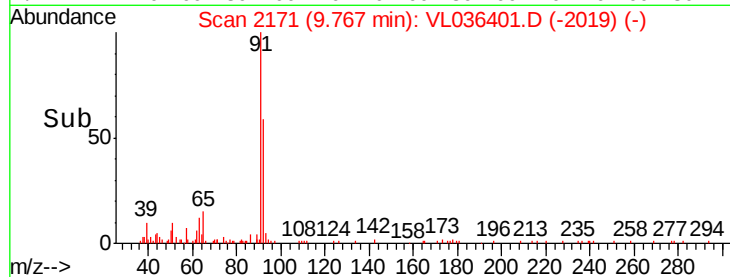
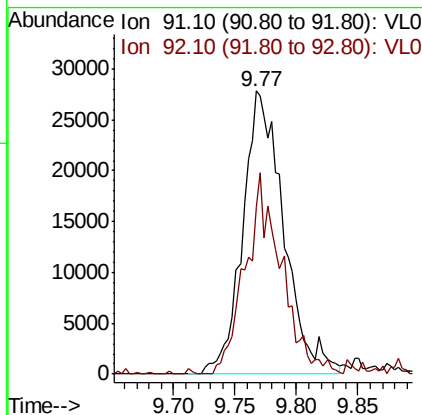
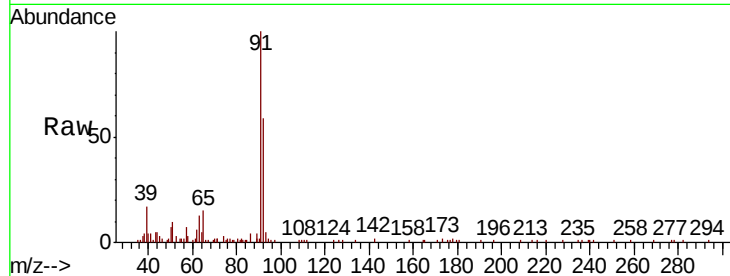
Concen: 0.220 ppbv m
RT: 9.77 min Scan# 2171
Delta R.T. -0.01 min
Lab File: VL036401.D
Acq: 26 Feb 2021 14:10

Instrument :
MSVOA_L
ClientSampled :
SG-6

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	62.3	48.6	72.8	

Manual Integrations
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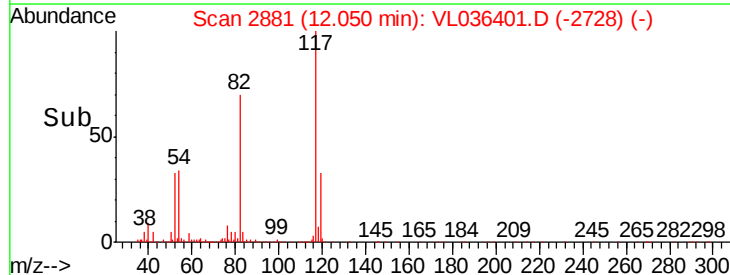
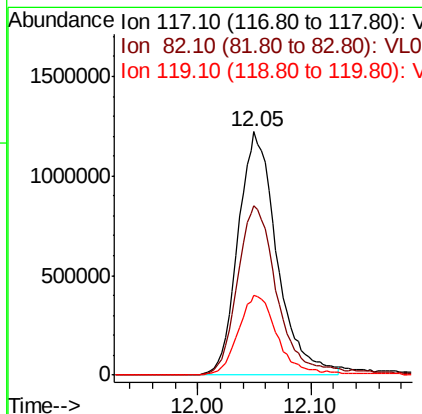
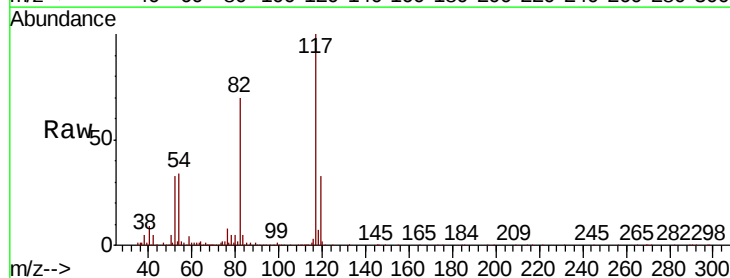


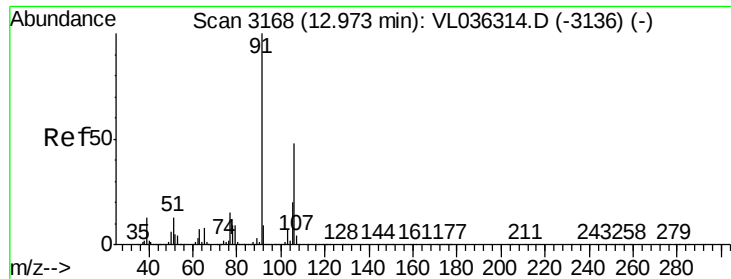
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.05 min Scan# 2881
Delta R.T. -0.01 min
Lab File: VL036401.D
Acq: 26 Feb 2021 14:10

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
82	73.9	59.1	88.7	
119	34.5	46.3	69.5	





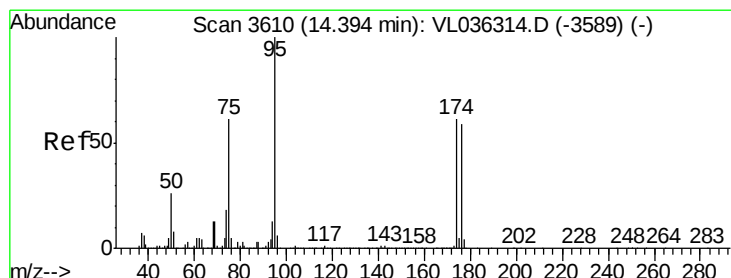
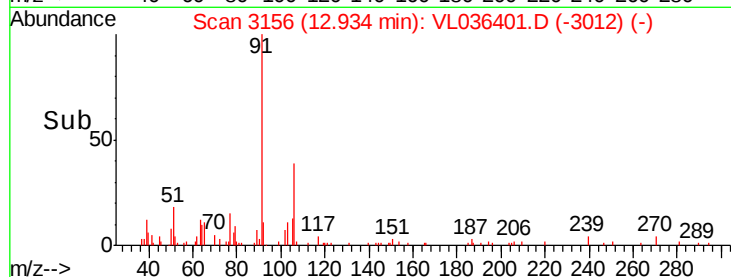
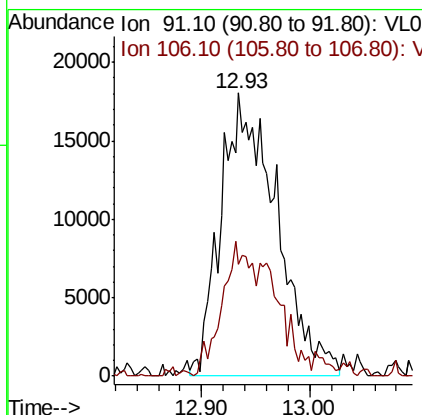
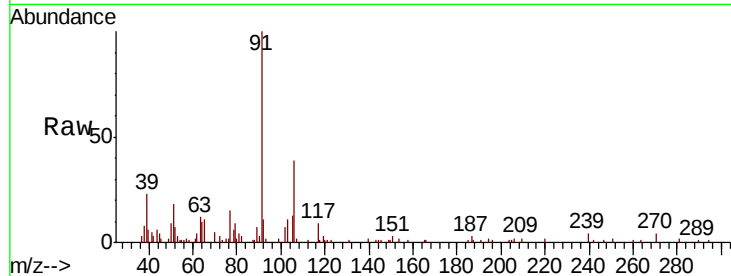
#59
m/p-Xylene
Concen: 0.183 ppbv m
RT: 12.93 min Scan# 3156
Delta R.T. -0.04 min
Lab File: VL036401.D
Acq: 26 Feb 2021 14:10

Instrument :
MSVOA_L
Client Sampled :
SG-6

Tot Ion: 91 Resp: 64222
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.425 ppbv
RT: 14.38 min Scan# 3606
Delta R.T. -0.01 min
Lab File: VL036401.D
Acq: 26 Feb 2021 14:10

Tgt Ion: 95 Resp: 2262178
Ion Ratio Lower Upper
95 100
174 66.8 49.8 74.6
175 4.8 3.7 5.5

