

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036887.D
 Acq On : 28 Apr 2021 19:57
 Operator : SY/AP
 Sample : M2172-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DDC-2-INFLUENT-1DL

Manual Integrations
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 4/29/2021 5:53:28 PM

Quant Time: Apr 29 12:34:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 28 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1498969	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	3341209	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	3102572	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2424013	9.73	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	2100413	197.957	ppbv	92
15) Acetone	3.87	43	1072440	7.591	ppbv	97
17) tert-Butyl alcohol	4.32	59	102355m	0.893	ppbv	
19) Isopropyl Alcohol	3.99	45	1586422	22.663	ppbv	98
29) Chloroform	5.77	83	72655	0.289	ppbv	96
31) cis-1,2-Dichloroethene	5.57	61	31786	0.219	ppbv	94
34) 2-Butanone	5.27	43	96247	0.658	ppbv #	86
35) Carbon Tetrachloride	7.03	117	27405m	0.121	ppbv	
52) Tetrachloroethene	11.25	164	62534m	0.652	ppbv	
53) Toluene	9.83	91	46710m	0.159	ppbv	

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

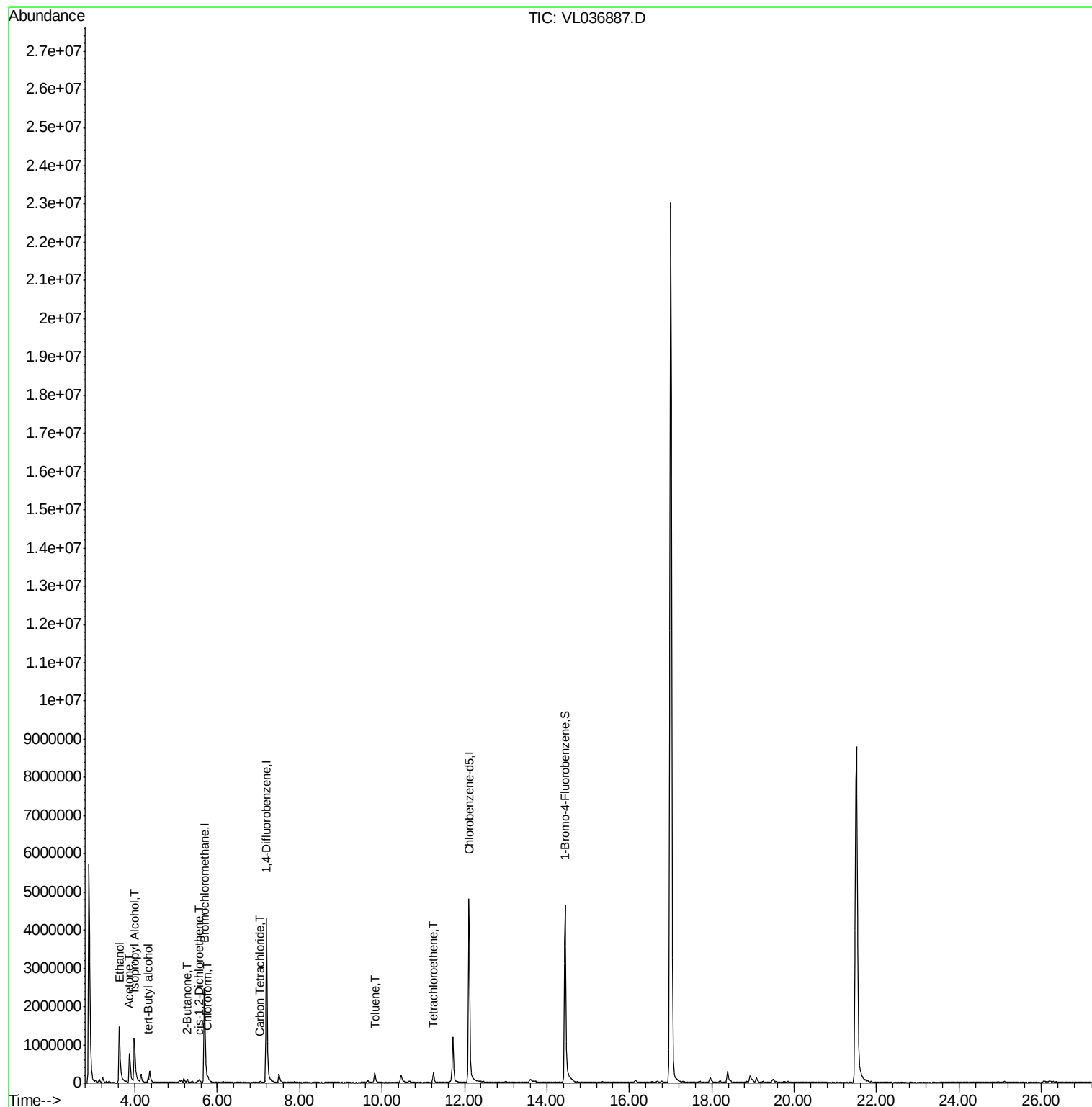
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042821\
Data File : VL036887.D
Acq On : 28 Apr 2021 19:57
Operator : SY/AP
Sample : M2172-06DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

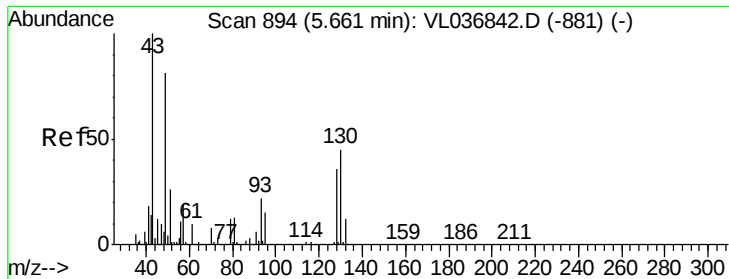
Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-1DL

Manual Integrations
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Quant Time: Apr 29 12:34:28 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr
QLast Update : Tue Apr 27 16:56:35 2021
Response via : Initial Calibration





#1

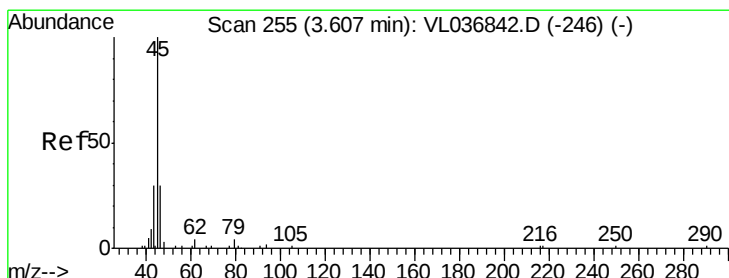
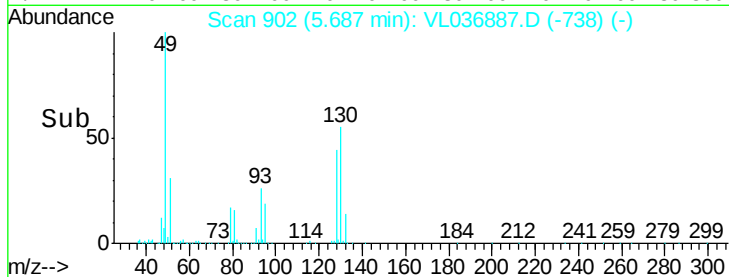
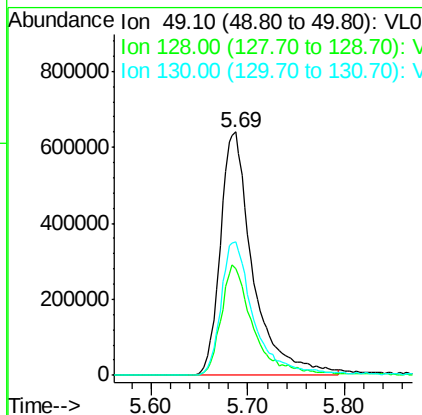
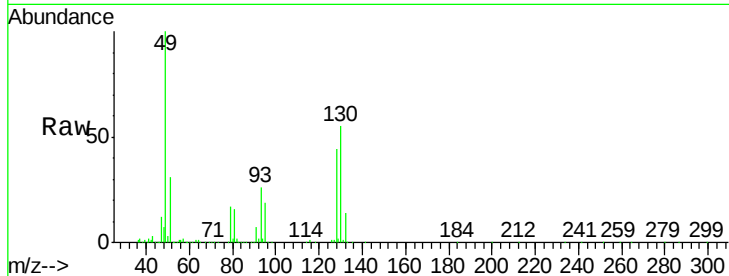
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69 min Scan# 902
 Delta R.T. 0.03 min
 Lab File: VL036887.D
 Acq: 28 Apr 2021 19:57

Instrument :
 MSVOA_L
 ClientSampleId :
 DDC-2-INFLUENT-1DL

Tot Ion: 49 Resp: 1498969
 Ion Ratio Lower Upper
 49 100
 128 46.1 24.4 73.2
 130 56.7 30.3 90.8

Manual Integrations
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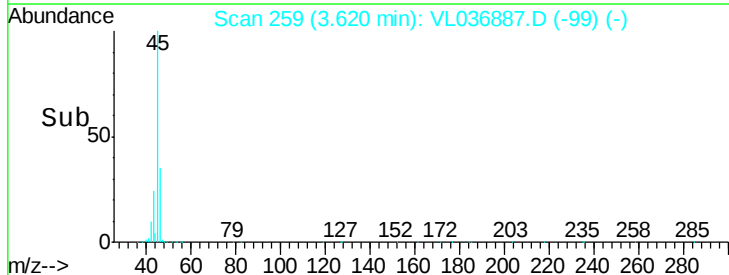
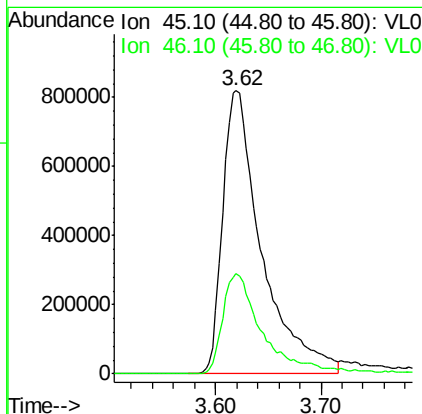
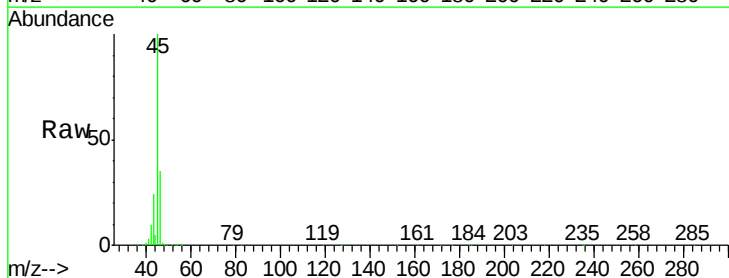
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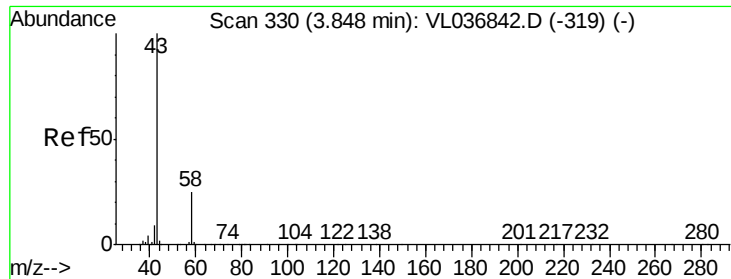


#13

Ethanol
 Concen: 197.957 ppbv
 RT: 3.62 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VL036887.D
 Acq: 28 Apr 2021 19:57

Tgt Ion: 45 Resp: 2100413
 Ion Ratio Lower Upper
 45 100
 46 37.2 16.8 67.4





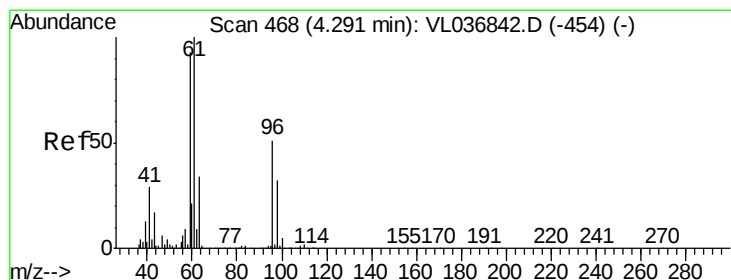
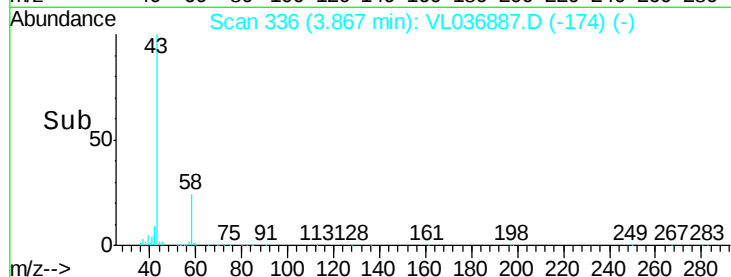
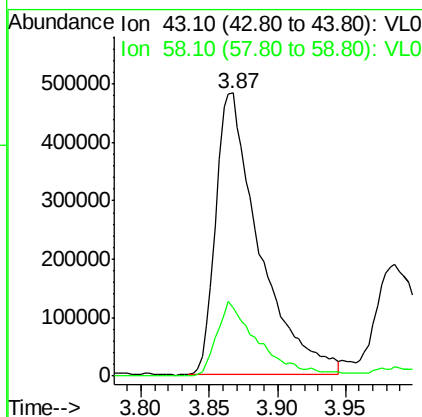
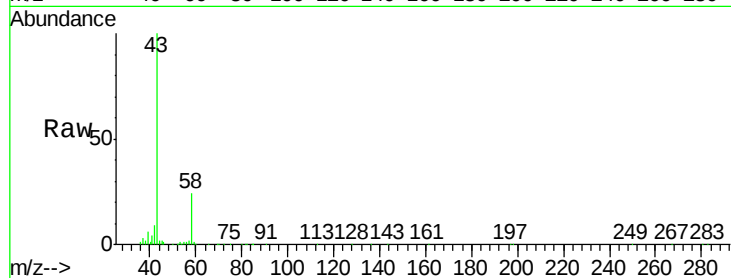
#15
Acetone
Concen: 7.591 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.02 min
Lab File: VL036887.D
Acq: 28 Apr 2021 19:57

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-1DL

Tot Ion: 43 Resp: 1072440
Ion Ratio Lower Upper
43 100
58 25.6 21.7 32.5

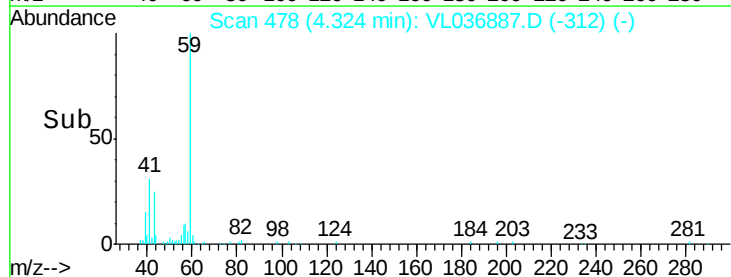
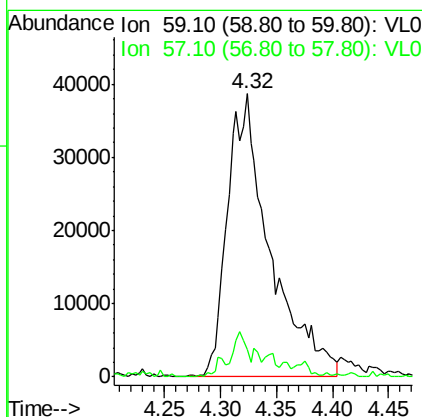
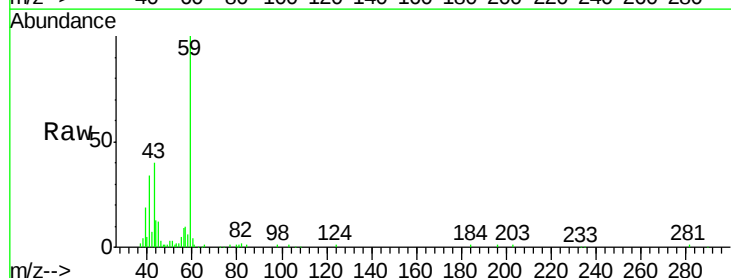
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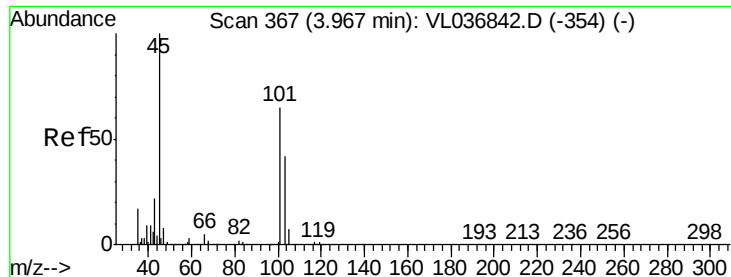
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#17
tert-Butyl alcohol
Concen: 0.893 ppbv m
RT: 4.32 min Scan# 478
Delta R.T. 0.03 min
Lab File: VL036887.D
Acq: 28 Apr 2021 19:57

Tgt Ion: 59 Resp: 102355
Ion Ratio Lower Upper
59 100
57 13.6 8.3 12.5#





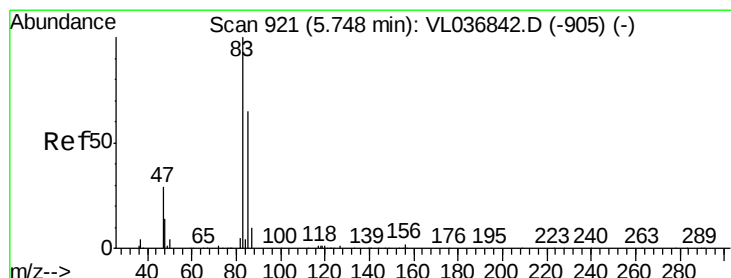
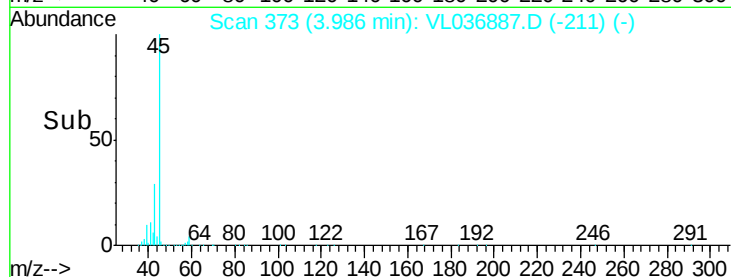
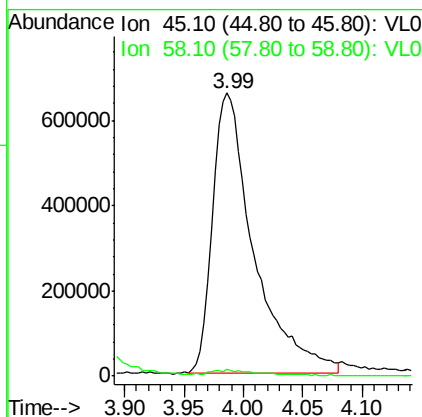
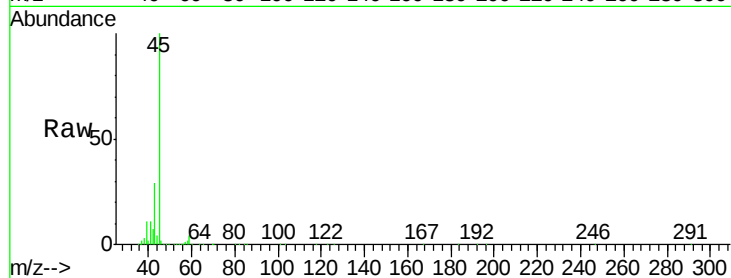
#19
Isopropyl Alcohol
Concen: 22.663 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.02 min
Lab File: VL036887.D
Acq: 28 Apr 2021 19:57

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-1DL

Tot Ion: 45 Resp: 1586422
Ion Ratio Lower Upper
45 100
58 2.9 2.8 4.2

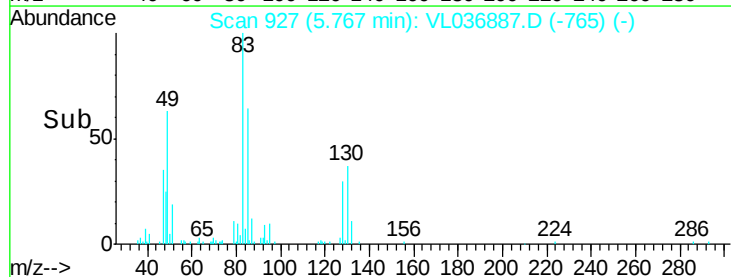
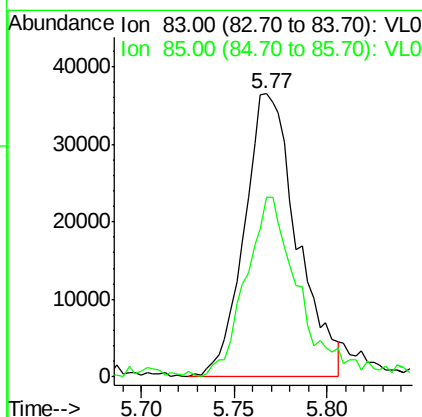
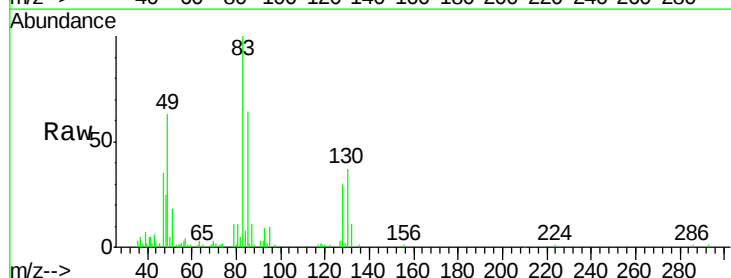
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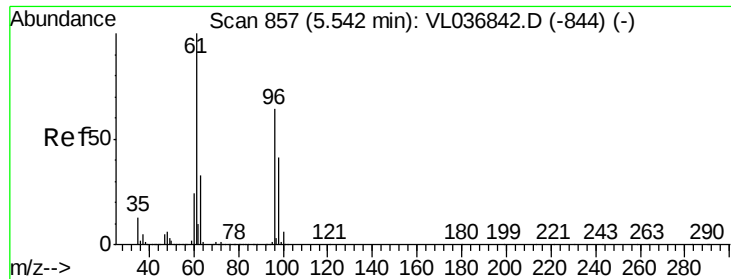
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#29
Chloroform
Concen: 0.289 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.02 min
Lab File: VL036887.D
Acq: 28 Apr 2021 19:57

Tgt Ion: 83 Resp: 72655
Ion Ratio Lower Upper
83 100
85 61.8 52.2 78.4





#31

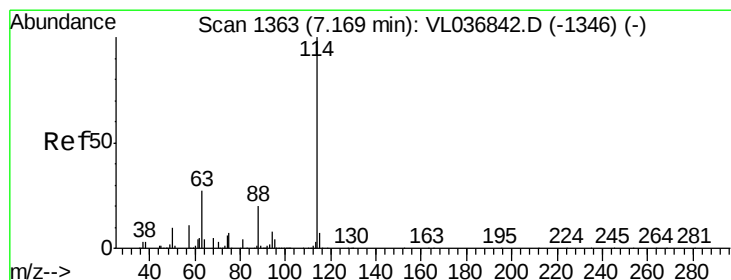
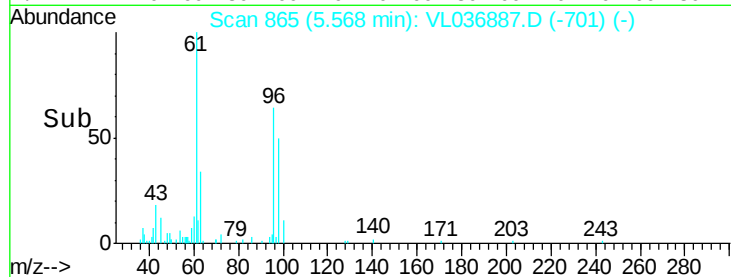
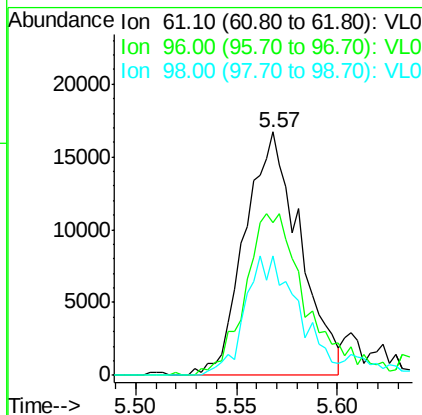
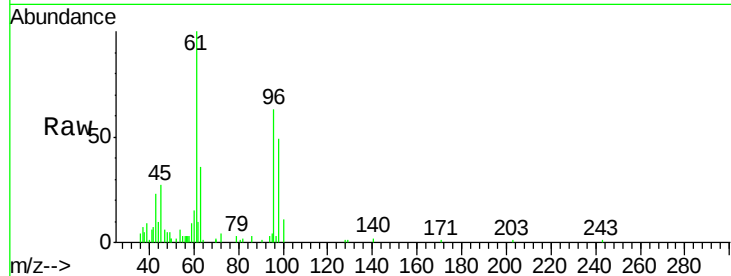
cis-1,2-Dichloroethene
 Concen: 0.219 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. 0.03 min
 Lab File: VL036887.D
 Acq: 28 Apr 2021 19:57

Instrument :
 MSVOA_L
 ClientSampleId :
 DDC-2-INFLUENT-1DL

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.8	51.0	76.6
98	48.8	32.7	49.1

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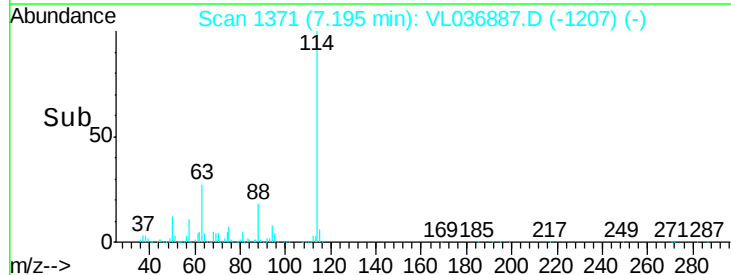
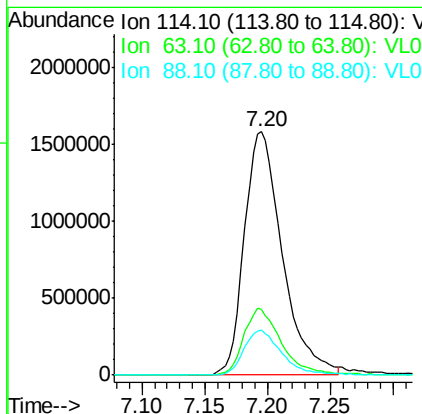
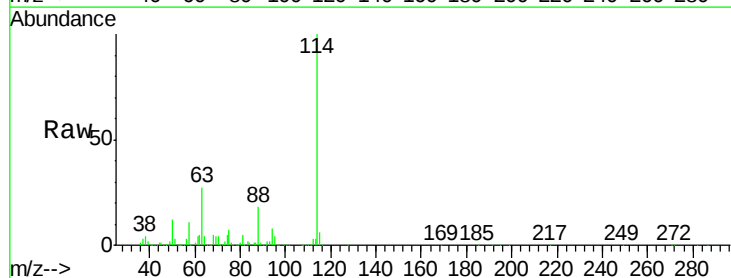
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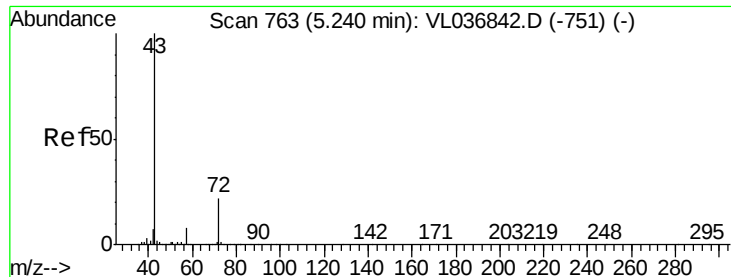


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.03 min
 Lab File: VL036887.D
 Acq: 28 Apr 2021 19:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.6	21.9	32.9
88	18.8	15.1	22.7





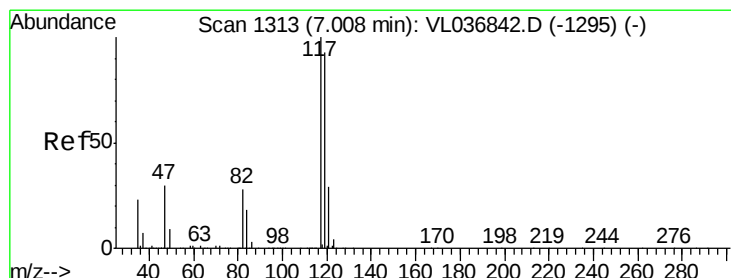
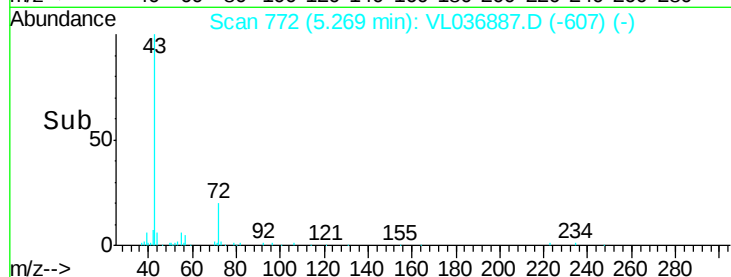
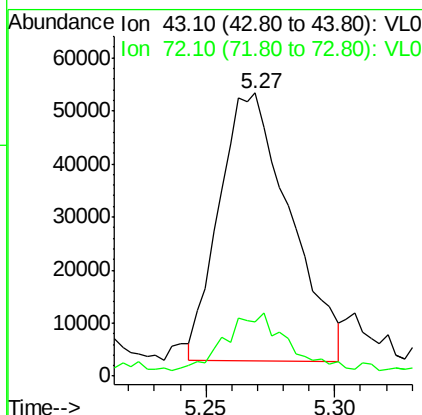
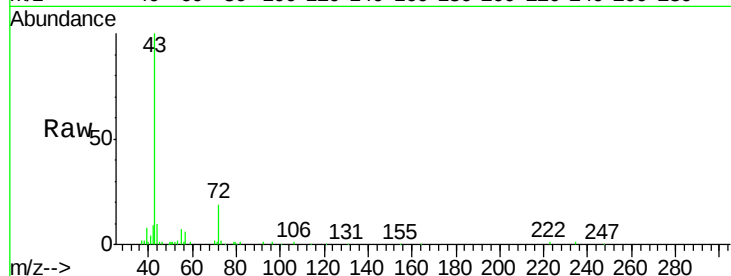
#34
2-Butanone
Concen: 0.658 ppbv
RT: 5.27 min Scan# 772
Delta R.T. 0.03 min
Lab File: VL036887.D
Acq: 28 Apr 2021 19:57

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-1DL

Tot Ion	43	Resp	96247
Ion Ratio	Lower	Upper	
43	100		
72	28.5	17.6	26.4#

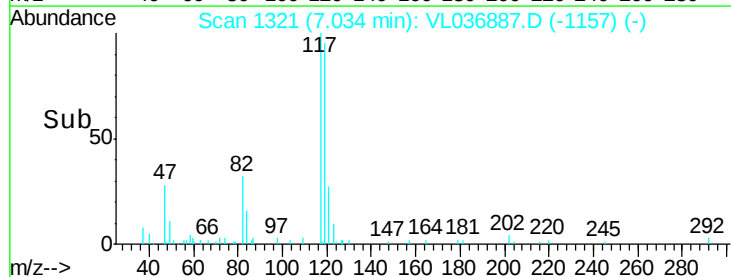
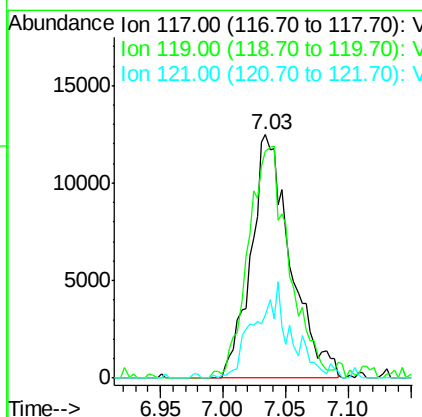
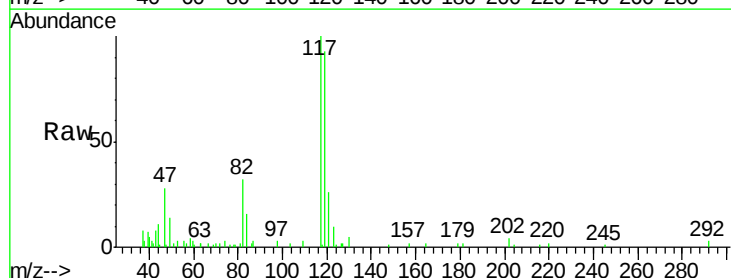
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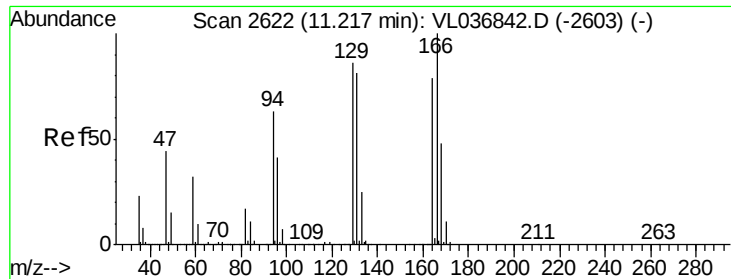
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#35
Carbon Tetrachloride
Concen: 0.121 ppbv m
RT: 7.03 min Scan# 1321
Delta R.T. 0.03 min
Lab File: VL036887.D
Acq: 28 Apr 2021 19:57

Tgt Ion	117	Resp	27405
Ion Ratio	Lower	Upper	
117	100		
119	93.2	74.6	111.8
121	26.1	23.3	34.9





#52

Tetrachloroethene

Concen: 0.652 ppbv m

RT: 11.25 min Scan# 2633

Delta R.T. 0.04 min

Lab File: VL036887.D

Acq: 28 Apr 2021 19:57

Instrument :

MSVOA_L

ClientSampleId :

DDC-2-INFLUENT-1DL

Tot Ion:164 Resp: 62534

Ion Ratio Lower Upper

164 100

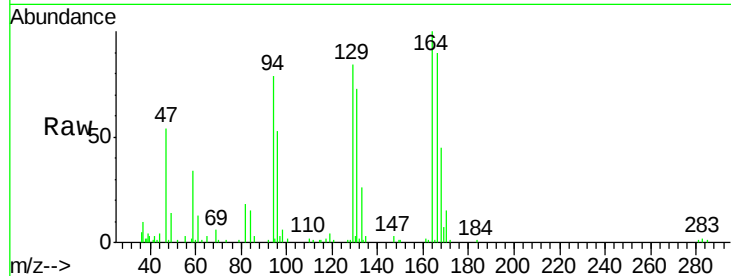
166 89.8 100.9 151.3#

129 83.9 87.0 130.4#

131 72.8 81.7 122.5#

Manual Integrations
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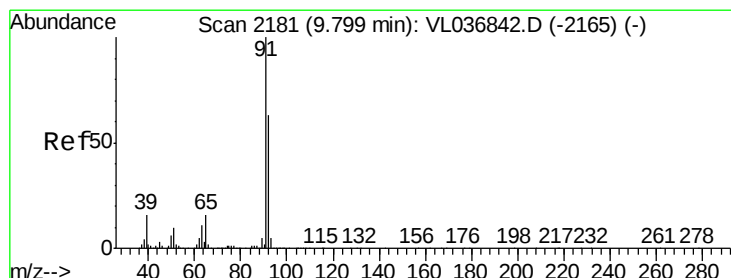
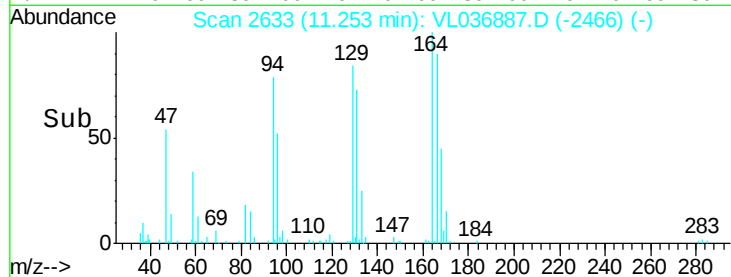
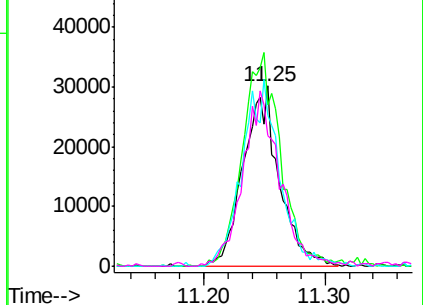


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.159 ppbv m

RT: 9.83 min Scan# 2189

Delta R.T. 0.03 min

Lab File: VL036887.D

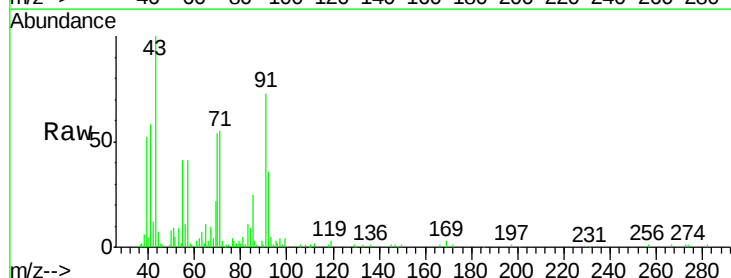
Acq: 28 Apr 2021 19:57

Tgt Ion: 91 Resp: 46710

Ion Ratio Lower Upper

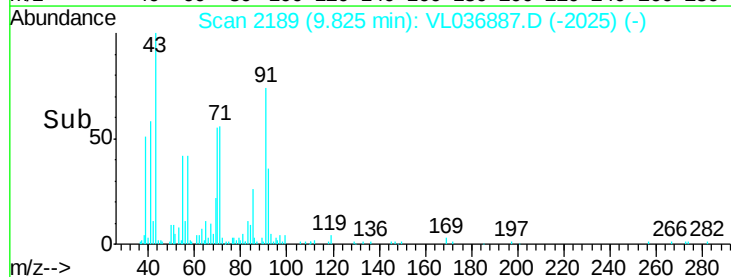
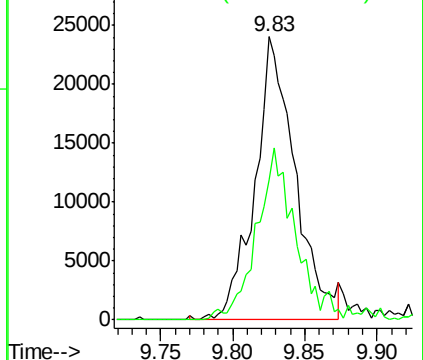
91 100

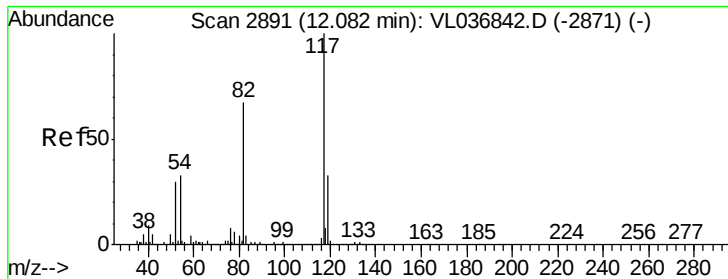
92 58.9 49.0 73.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





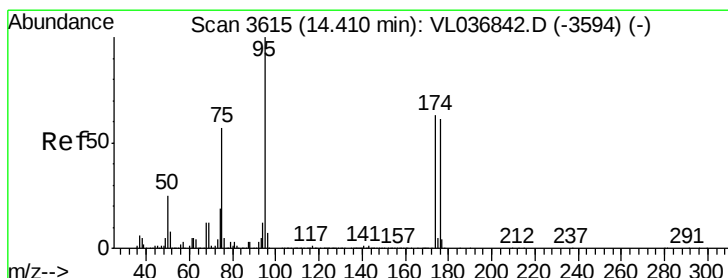
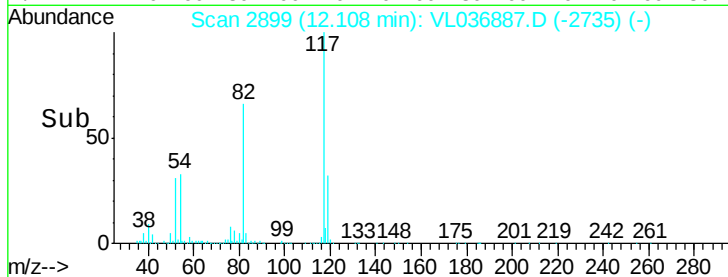
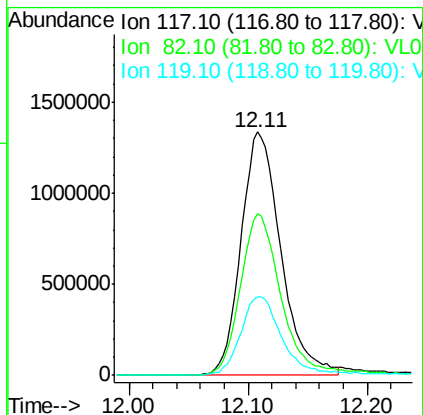
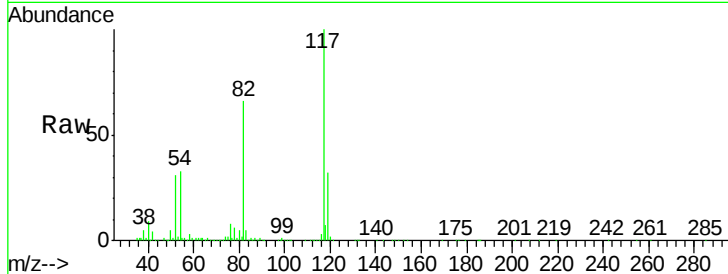
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.03 min
Lab File: VL036887.D
Acq: 28 Apr 2021 19:57

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.1	53.5	80.3
119	33.9	25.6	38.4

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.733 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. 0.03 min
Lab File: VL036887.D
Acq: 28 Apr 2021 19:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.1	52.2	78.2
175	4.6	4.0	6.0

