

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036888.D
 Acq On : 28 Apr 2021 20:35
 Operator : SY/AP
 Sample : M2172-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
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 4/29/2021 5:53:26 PM

Quant Time: Apr 29 12:34:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 2
 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	5.68	49	1478884	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.20	114	3447537	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	3237316	10.00	ppbv	0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.44	95	2479280	9.54	ppbv	0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	3139873	299.941	ppbv	91
15) Acetone	3.86	43	1439911	10.330	ppbv	99
17) tert-Butyl alcohol	4.32	59	151056m	1.335	ppbv	
19) Isopropyl Alcohol	3.99	45	2317384	33.554	ppbv #	97
29) Chloroform	5.76	83	64416	0.259	ppbv	93
31) cis-1,2-Dichloroethene	5.57	61	32923m	0.230	ppbv	
34) 2-Butanone	5.26	43	148456	0.983	ppbv	98
35) Carbon Tetrachloride	7.04	117	23304m	0.100	ppbv	
52) Tetrachloroethene	11.24	164	13544m	0.137	ppbv	
53) Toluene	9.83	91	49815	0.164	ppbv	87

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

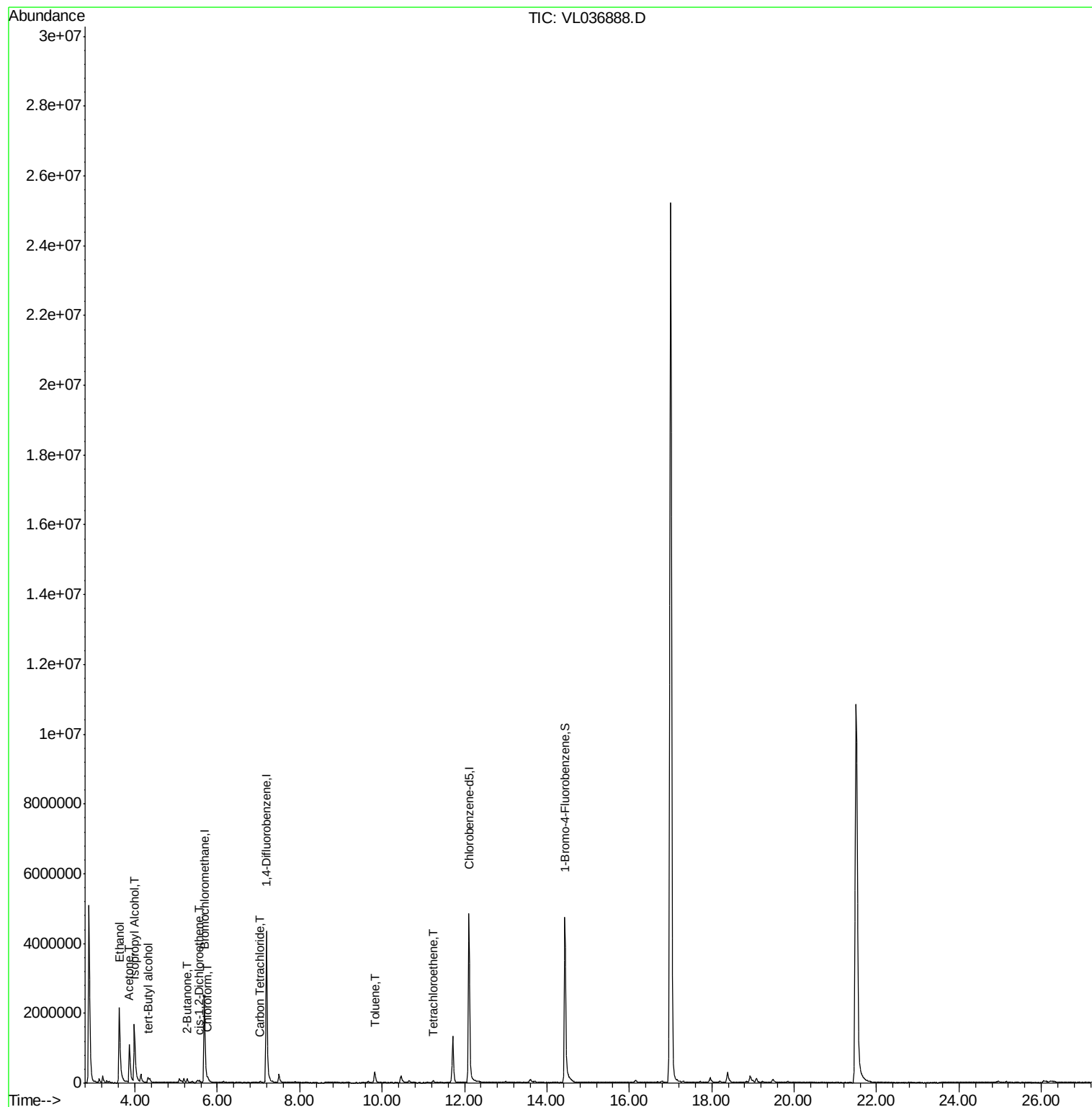
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042821\
Data File : VL036888.D
Acq On : 28 Apr 2021 20:35
Operator : SY/AP
Sample : M2172-03DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

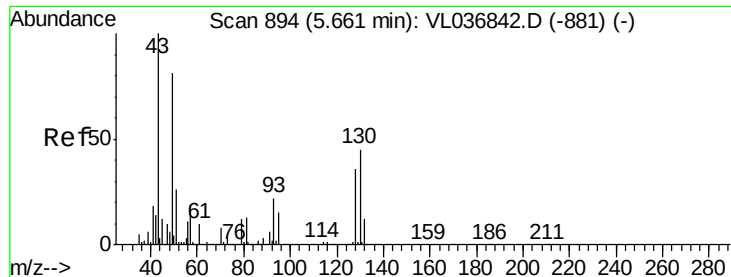
Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-2DL

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Quant Time: Apr 29 12:34:45 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: 5.68 min Scan# 901

Delta R.T. 0.02 min

Lab File: VL036888.D

Acq: 28 Apr 2021 20:35

Instrument :

MSVOA_L

ClientSampleId :

DDC-2-INFLUENT-2DL

Tot Ion: 49 Resp: 1478884

Ion Ratio Lower Upper

49 100

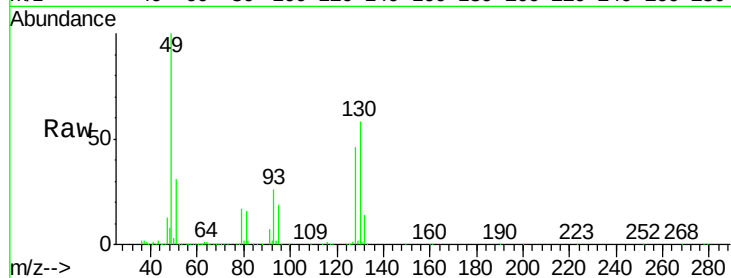
128 46.3 24.4 73.2

130 59.7 30.3 90.8

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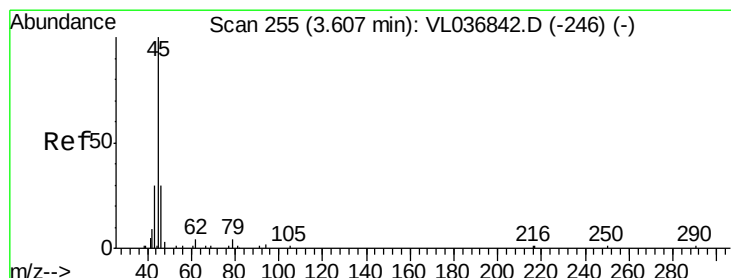
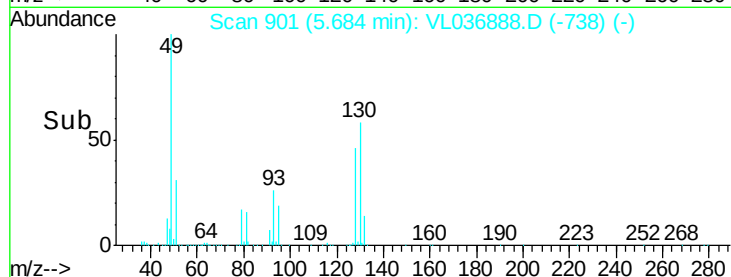
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.68

Time-->



#13

Ethanol

Concen: 299.941 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL036888.D

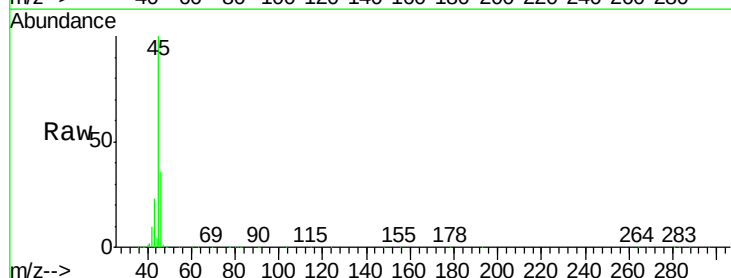
Acq: 28 Apr 2021 20:35

Tgt Ion: 45 Resp: 3139873

Ion Ratio Lower Upper

45 100

46 36.2 16.8 67.4

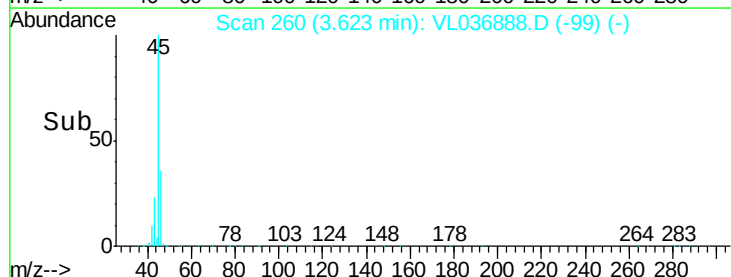


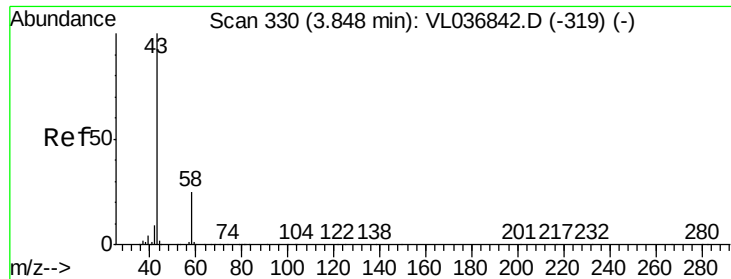
Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.62

Time-->





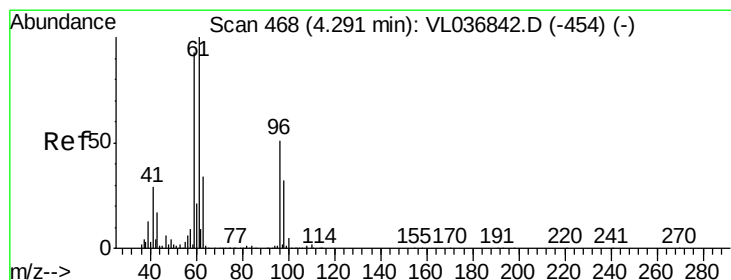
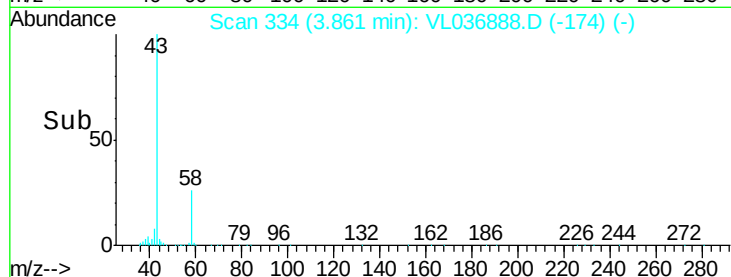
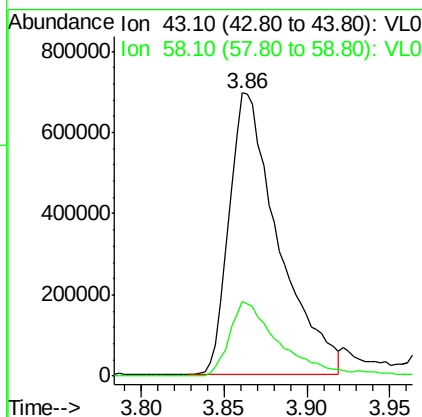
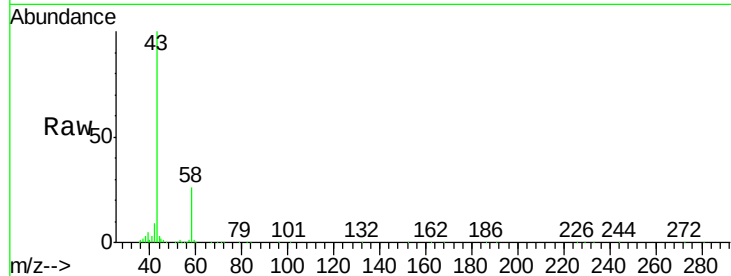
#15
Acetone
Concen: 10.330 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036888.D
Acq: 28 Apr 2021 20:35

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

Tot Ion: 43 Resp: 1439911
Ion Ratio Lower Upper
43 100
58 27.4 21.7 32.5

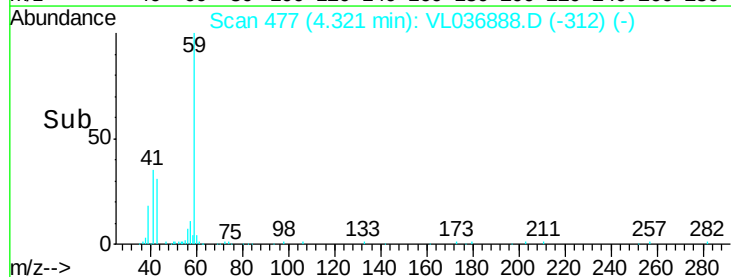
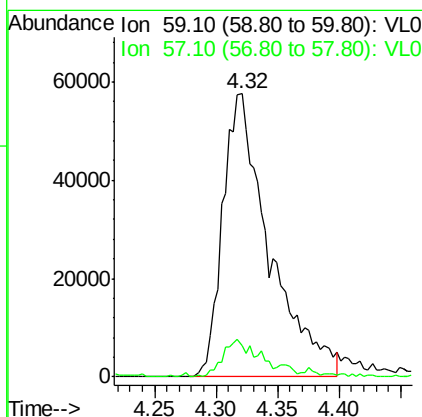
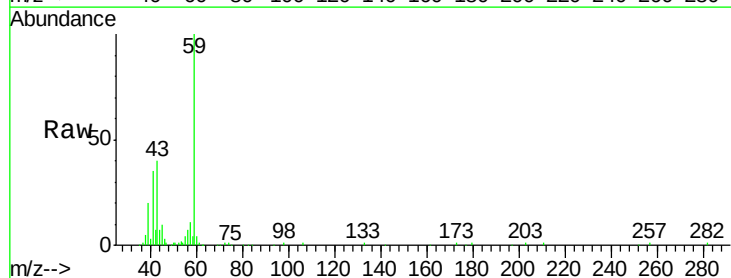
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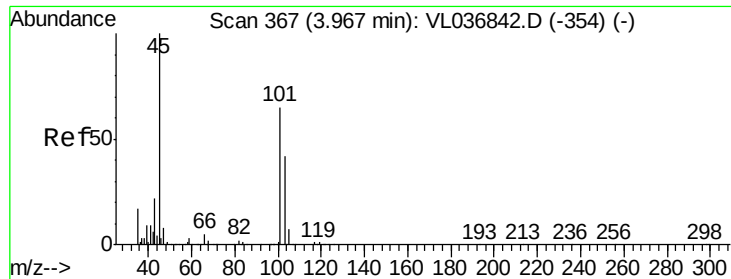
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#17
tert-Butyl alcohol
Concen: 1.335 ppbv m
RT: 4.32 min Scan# 477
Delta R.T. 0.03 min
Lab File: VL036888.D
Acq: 28 Apr 2021 20:35

Tgt Ion: 59 Resp: 151056
Ion Ratio Lower Upper
59 100
57 12.8 8.3 12.5#





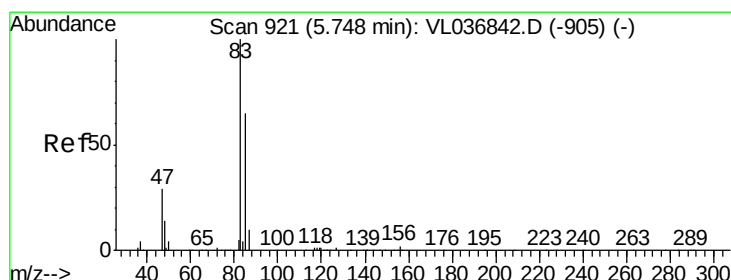
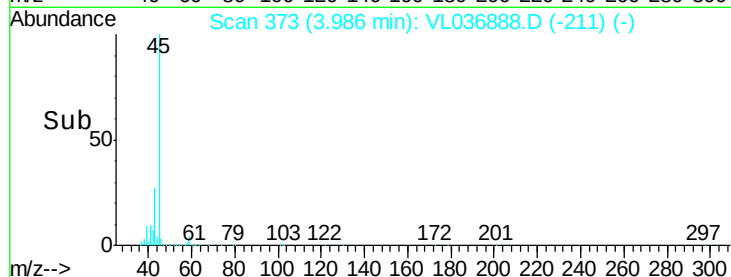
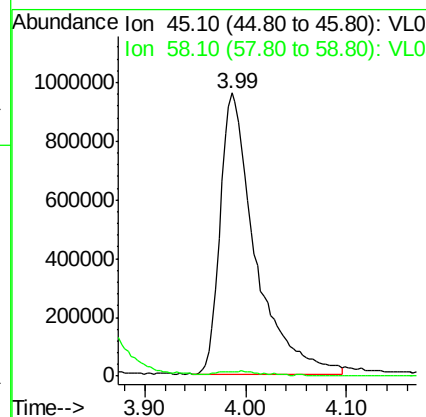
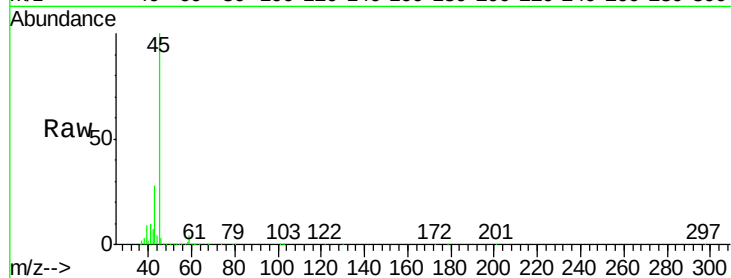
#19
Isopropyl Alcohol
Concen: 33.554 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.02 min
Lab File: VL036888.D
Acq: 28 Apr 2021 20:35

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

Tot Ion: 45 Resp: 2317384
Ion Ratio Lower Upper
45 100
58 2.5 2.8 4.2#

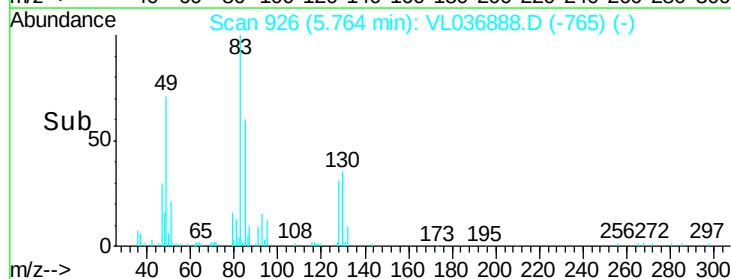
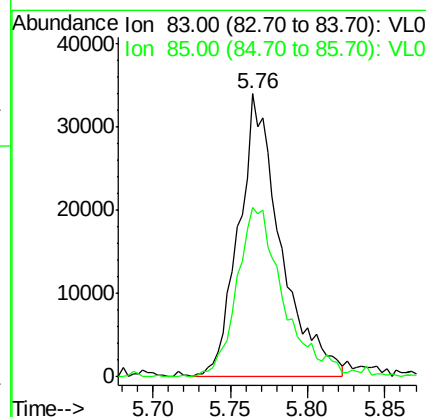
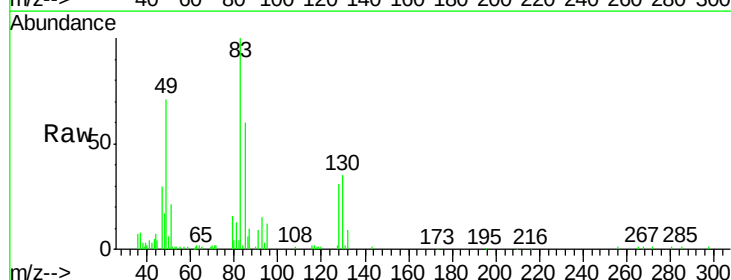
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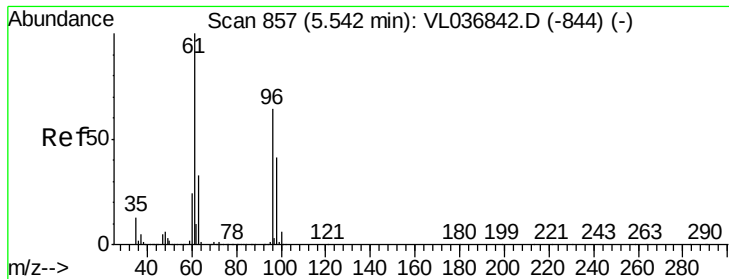
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#29
Chloroform
Concen: 0.259 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.02 min
Lab File: VL036888.D
Acq: 28 Apr 2021 20:35

Tgt Ion: 83 Resp: 64416
Ion Ratio Lower Upper
83 100
85 59.7 52.2 78.4





#31

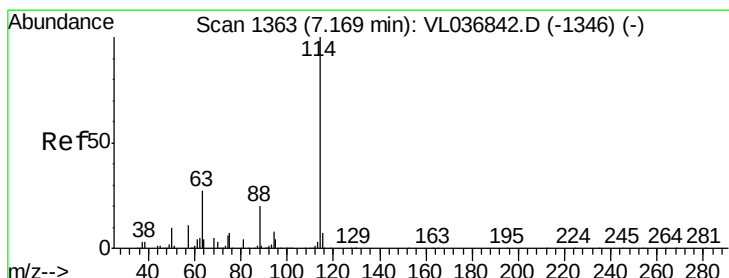
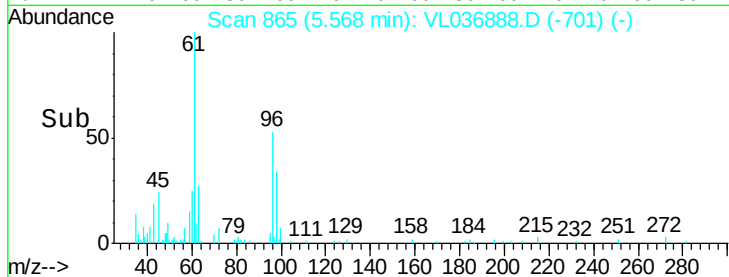
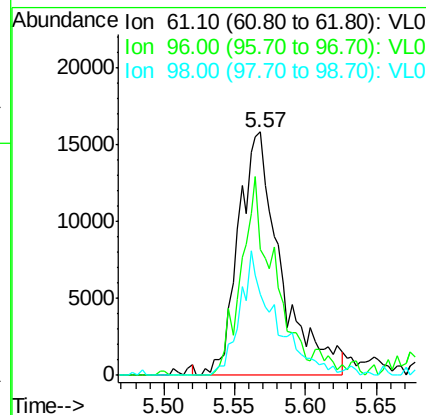
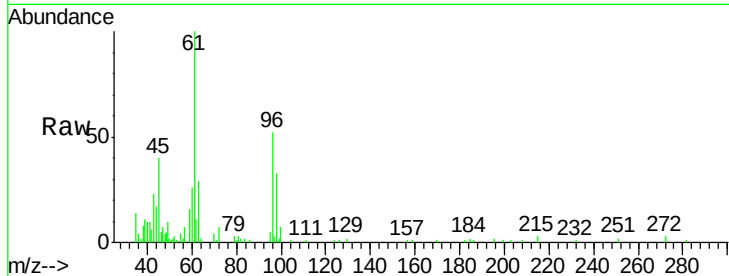
cis-1,2-Dichloroethene
Concen: 0.230 ppbv m
RT: 5.57 min Scan# 865
Delta R.T. 0.03 min
Lab File: VL036888.D
Acq: 28 Apr 2021 20:35

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

Tot Ion	Ratio	Lower	Upper
61	100		
96	51.7	51.0	76.6
98	33.2	32.7	49.1

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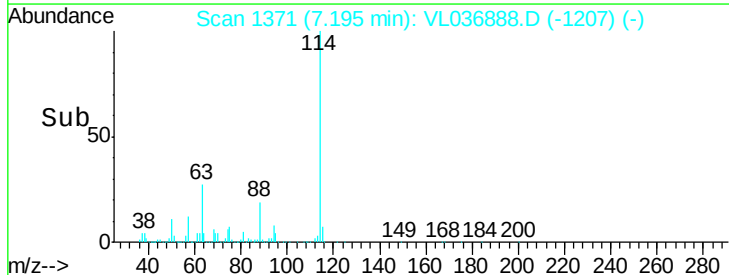
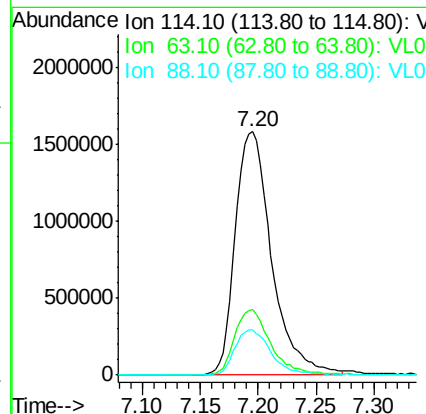
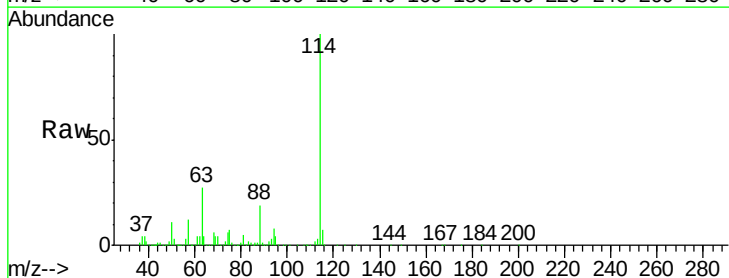
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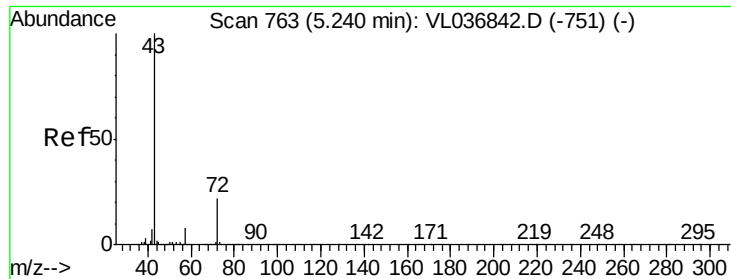


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. 0.03 min
Lab File: VL036888.D
Acq: 28 Apr 2021 20:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.9	32.9
88	18.9	15.1	22.7





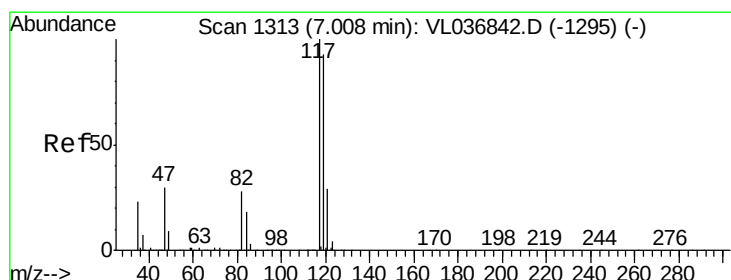
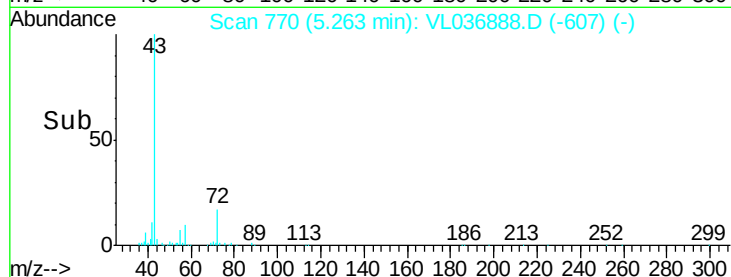
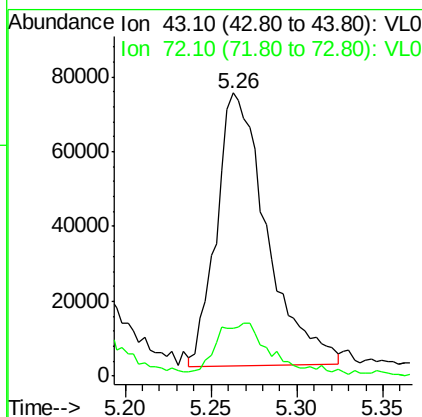
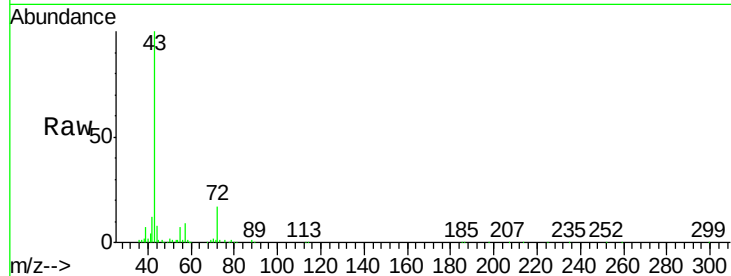
#34
2-Butanone
Concen: 0.983 ppbv
RT: 5.26 min Scan# 770
Delta R.T. 0.02 min
Lab File: VL036888.D
Acq: 28 Apr 2021 20:35

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

Tot Ion: 43 Resp: 148456
Ion Ratio Lower Upper
43 100
72 23.1 17.6 26.4

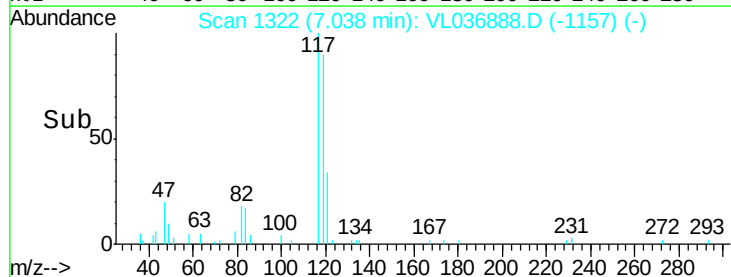
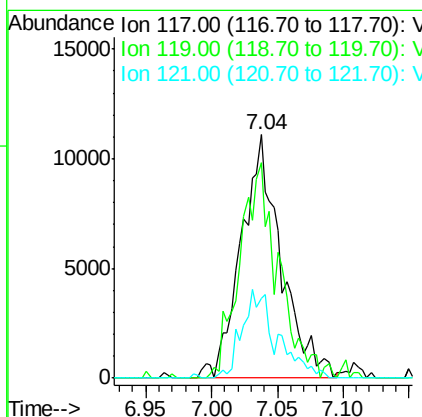
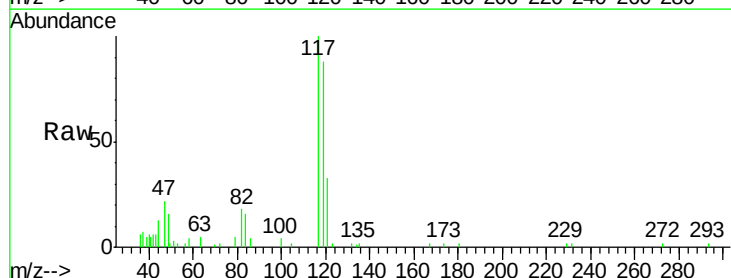
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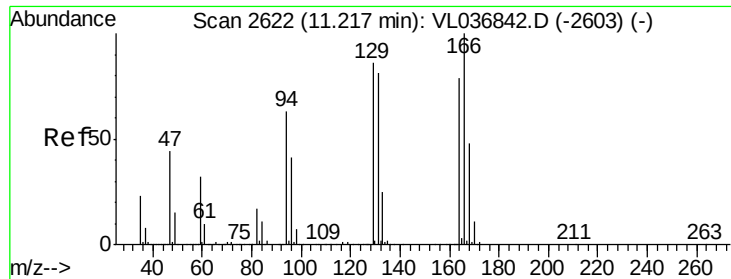
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#35
Carbon Tetrachloride
Concen: 0.100 ppbv m
RT: 7.04 min Scan# 1322
Delta R.T. 0.03 min
Lab File: VL036888.D
Acq: 28 Apr 2021 20:35

Tgt Ion: 117 Resp: 23304
Ion Ratio Lower Upper
117 100
119 88.3 74.6 111.8
121 32.5 23.3 34.9





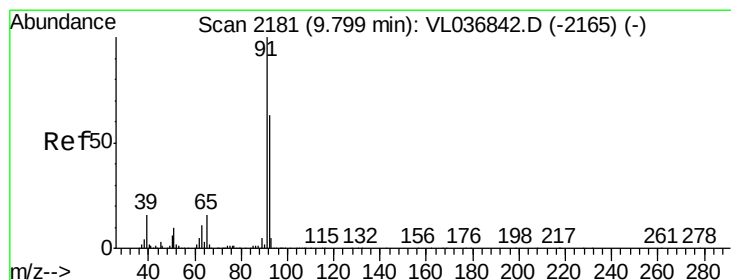
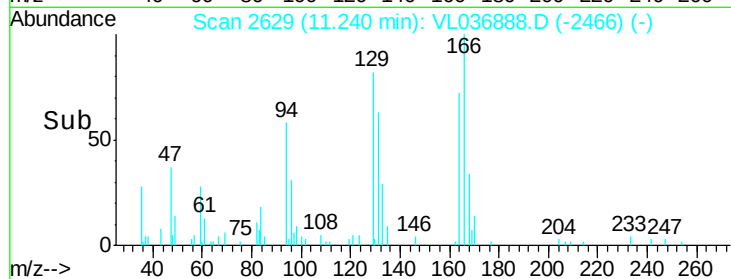
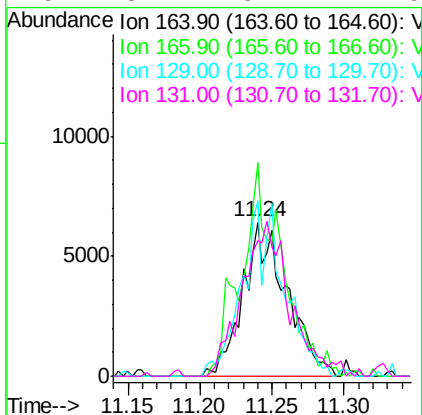
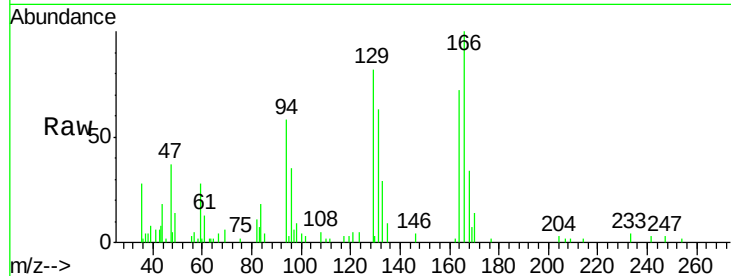
#52
Tetrachloroethene
Concen: 0.137 ppbv m
RT: 11.24 min Scan# 2629
Delta R.T. 0.02 min
Lab File: VL036888.D
Acq: 28 Apr 2021 20:35

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

Tot Ion	Ratio	Lower	Upper
164	100		
166	138.5	100.9	151.3
129	113.6	87.0	130.4
131	87.7	81.7	122.5

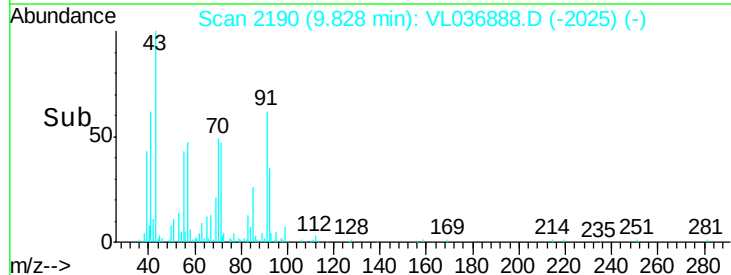
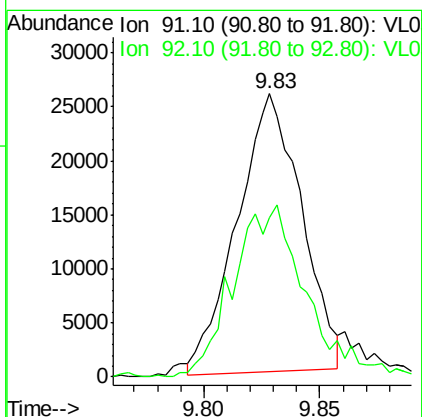
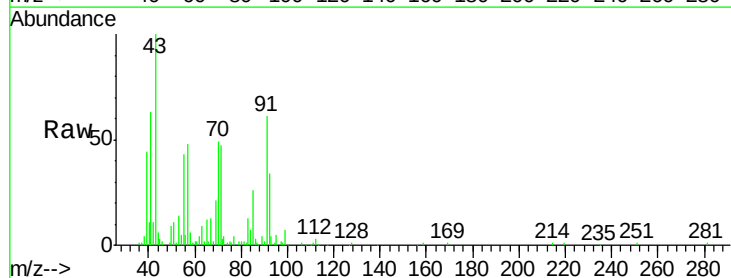
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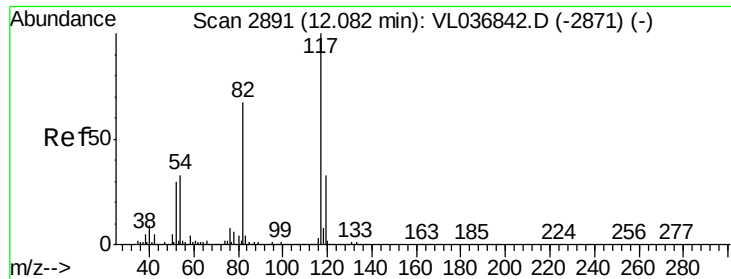
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#53
Toluene
Concen: 0.164 ppbv
RT: 9.83 min Scan# 2190
Delta R.T. 0.03 min
Lab File: VL036888.D
Acq: 28 Apr 2021 20:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	70.8	49.0	73.4





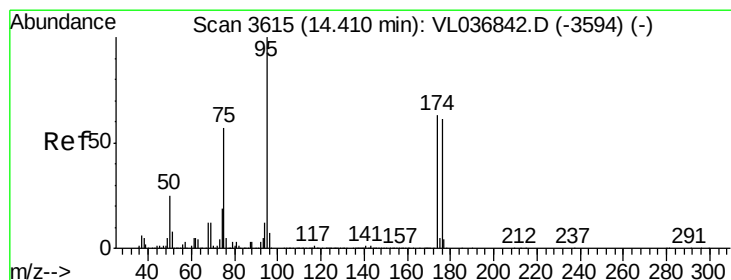
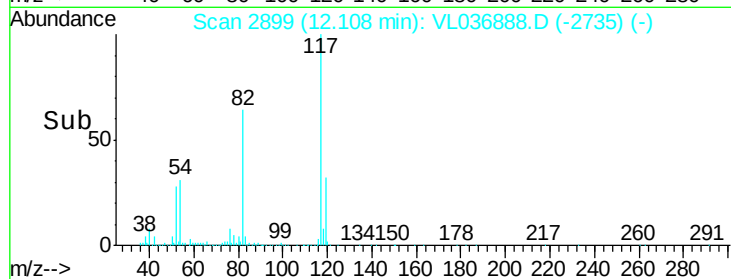
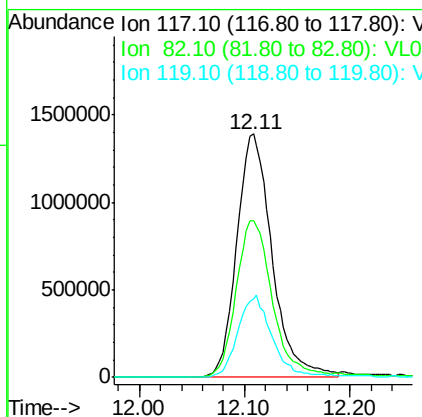
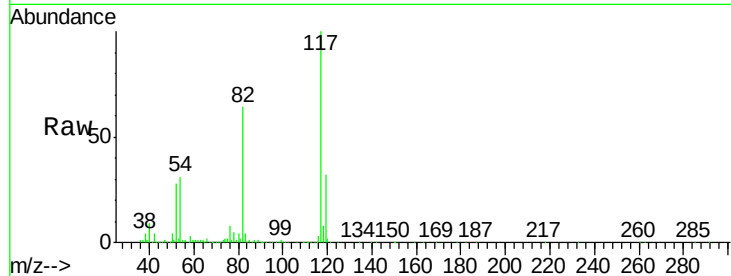
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.03 min
Lab File: VL036888.D
Acq: 28 Apr 2021 20:35

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.4	53.5	80.3
119	32.9	25.6	38.4

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.540 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. 0.03 min
Lab File: VL036888.D
Acq: 28 Apr 2021 20:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.4	52.2	78.2
175	4.8	4.0	6.0

