

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037253.D
 Acq On : 29 Jun 2021 17:38
 Operator : SY/AP
 Sample : M2887-03DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3DL

Manual Integrations
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 7/5/2021 3:38:28 PM

Quant Time: Jun 30 06:22:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1651581	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4987791	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	4434162	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	3218674	9.58	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	549134	5.348	ppbv	98
10) Heptane	8.12	43	48365m	0.194	ppbv	
13) Ethanol	3.62	45	22518m	1.418	ppbv	
15) Acetone	3.86	43	516177m	2.771	ppbv	
20) Methylene Chloride	4.34	84	175321m	1.572	ppbv	
26) Hexane	5.68	57	163884	0.804	ppbv #	43
34) 2-Butanone	5.25	43	237916	1.226	ppbv #	89
36) Benzene	6.88	78	52531	0.130	ppbv #	83
51) 2-Hexanone	10.15	43	22580m	0.174	ppbv	
53) Toluene	9.79	91	63415	0.132	ppbv	94

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

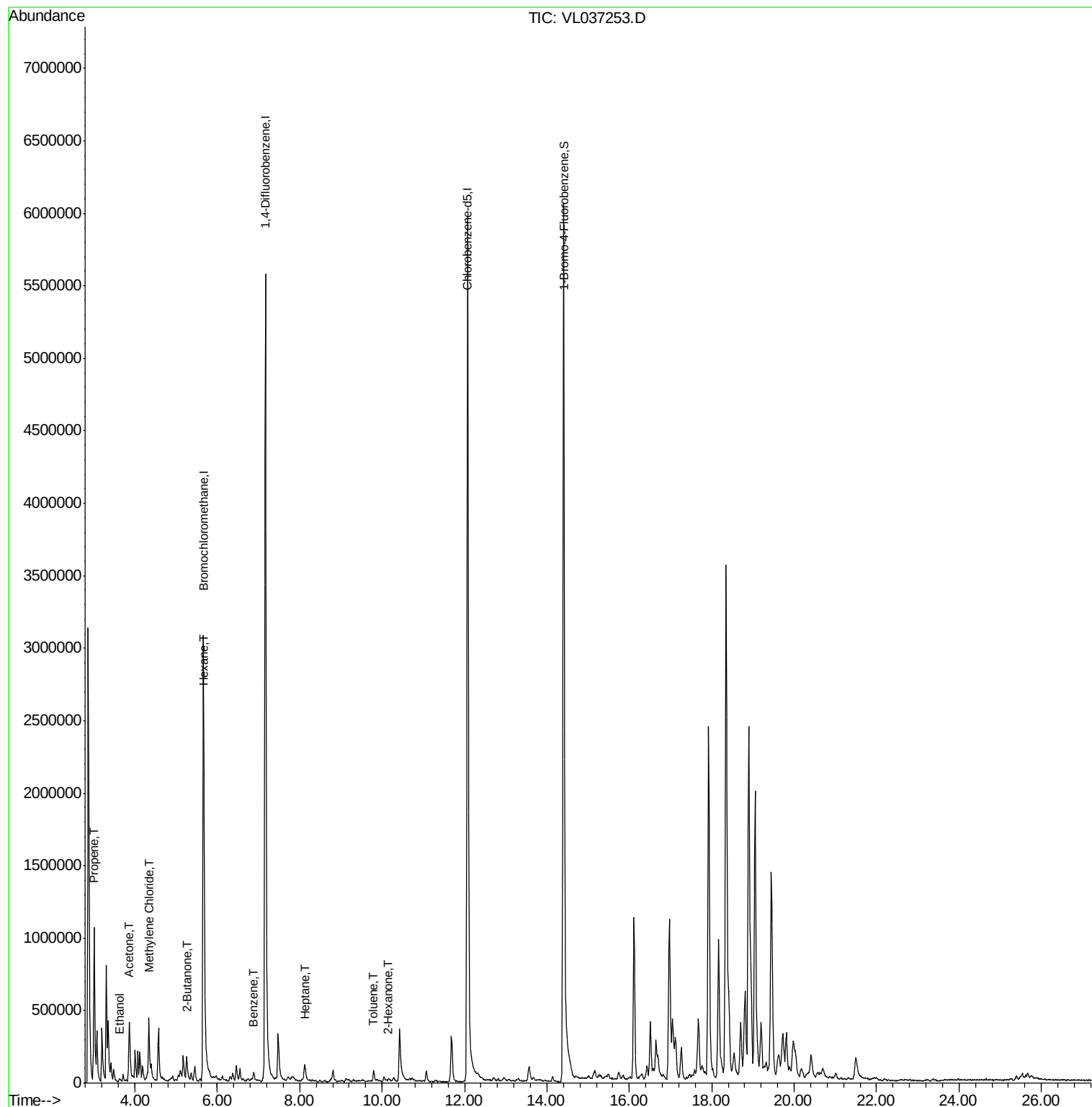
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062921\
Data File : VL037253.D
Acq On : 29 Jun 2021 17:38
Operator : SY/AP
Sample : M2887-03DL 40X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

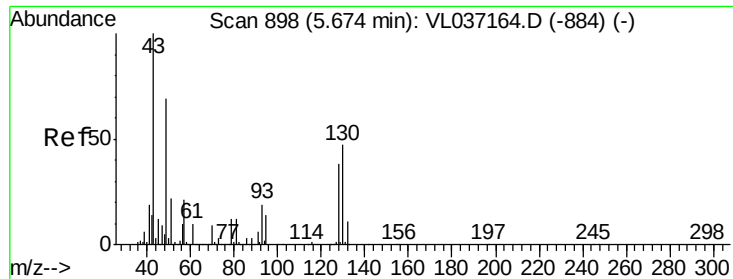
Instrument :
MSVOA_L
ClientSampleId :
SV-3DL

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Quant Time: Jun 30 06:22:30 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL037253.D

Acq: 29 Jun 2021 17:38

Instrument :

MSVOA_L

ClientSampleId :

SV-3DL

Tot Ion: 49 Resp: 1651581

Ion Ratio Lower Upper

49 100

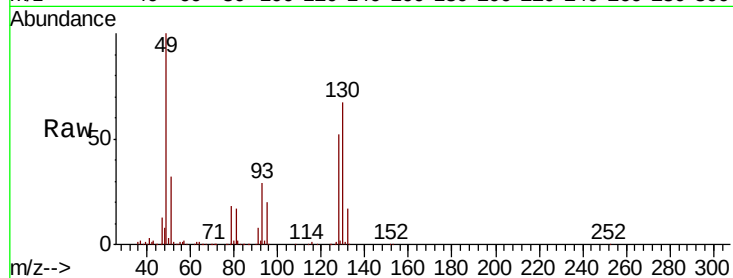
128 56.3 29.3 88.0

130 73.4 35.9 107.8

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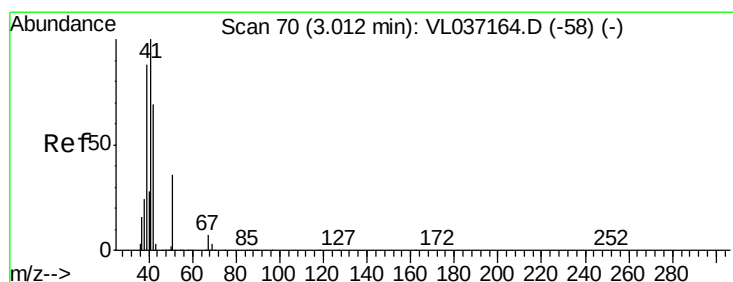
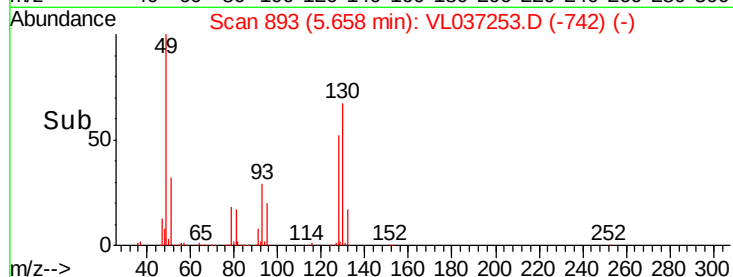
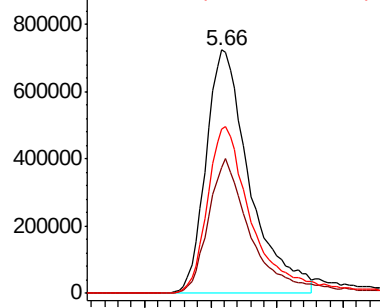
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 5.348 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL037253.D

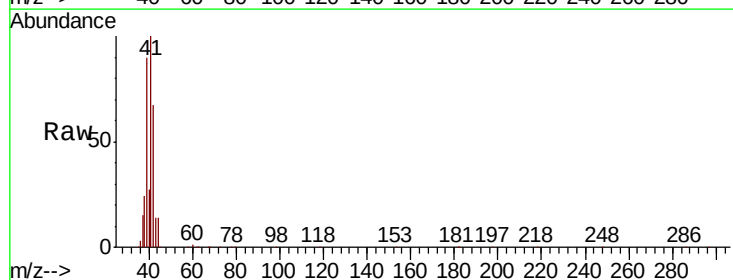
Acq: 29 Jun 2021 17:38

Tgt Ion: 41 Resp: 549134

Ion Ratio Lower Upper

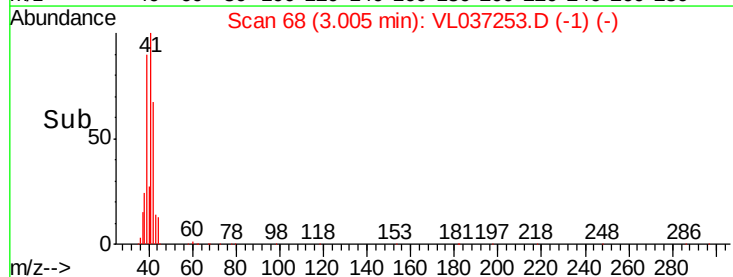
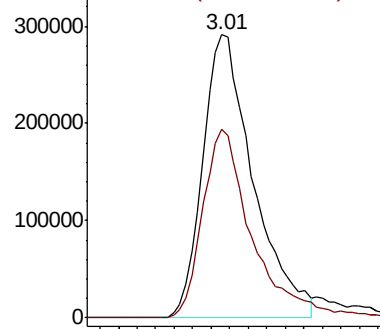
41 100

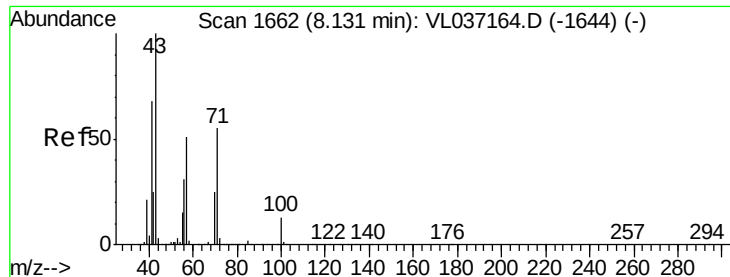
42 66.5 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





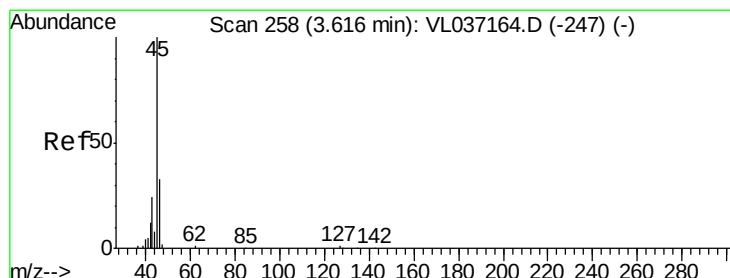
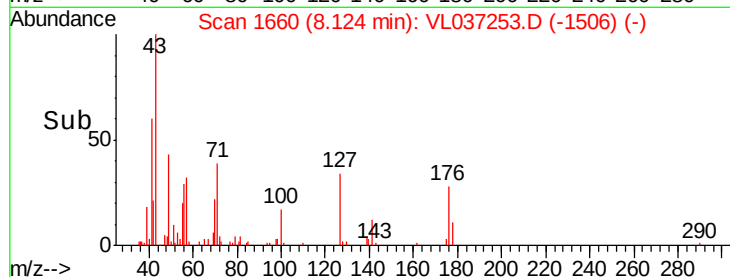
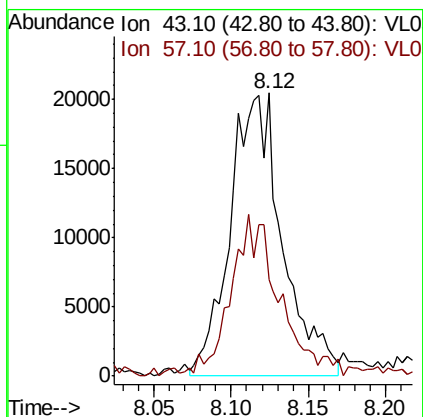
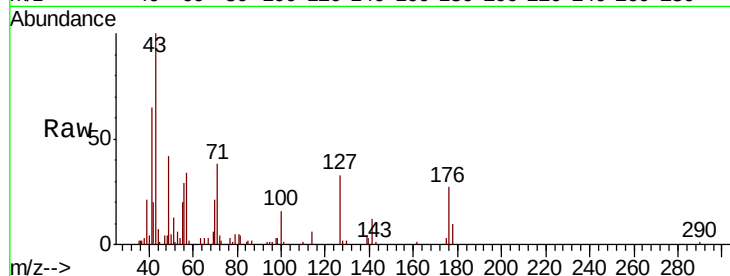
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Heptane
Concen: 0.194 ppbv m
RT: 8.12 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VL037253.D
Acq: 29 Jun 2021 17:38

Instrument :
MSVOA_L
ClientSampled :
SV-3DL

Tot Ion: 43 Resp: 48365
Ion Ratio Lower Upper
43 100
57 0.0 40.6 61.0#

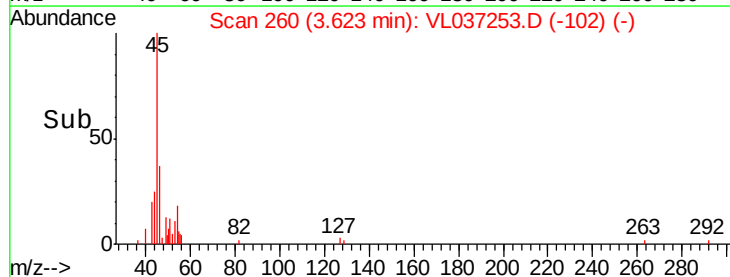
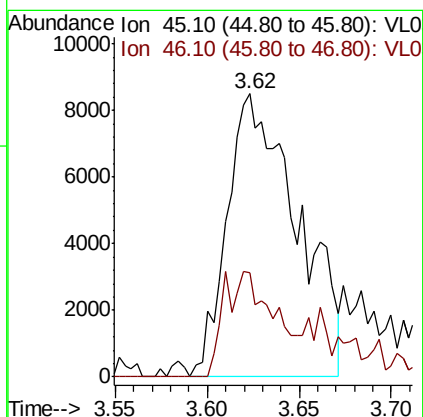
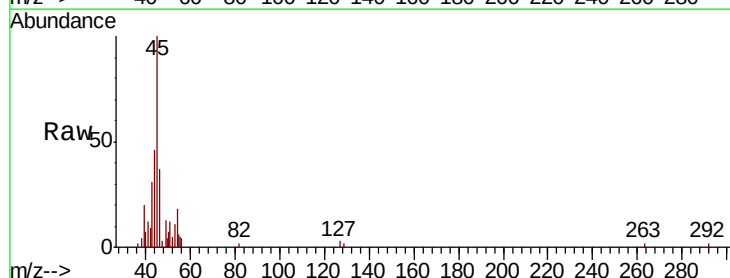
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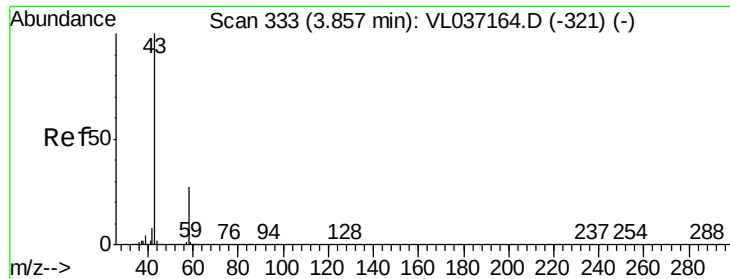
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#13
Ethanol
Concen: 1.418 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037253.D
Acq: 29 Jun 2021 17:38

Tgt Ion: 45 Resp: 22518
Ion Ratio Lower Upper
45 100
46 39.8 34.2 137.0





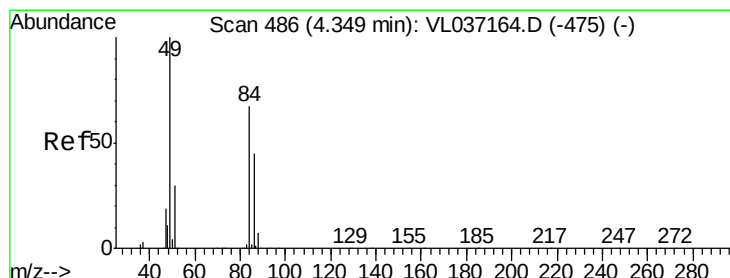
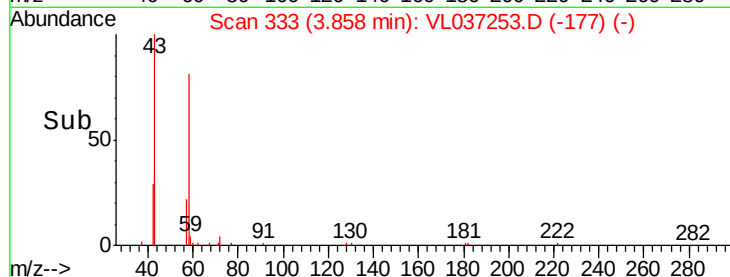
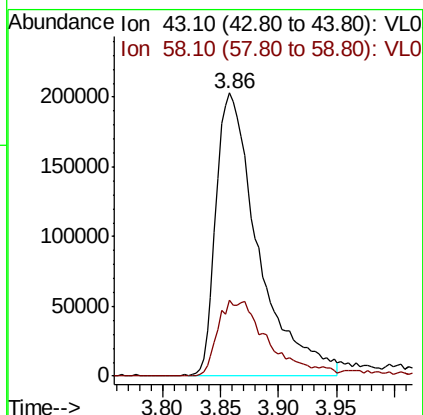
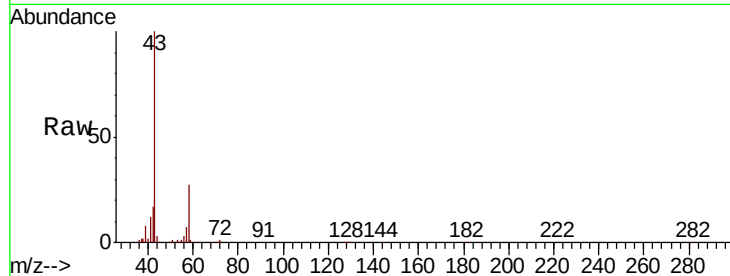
#15
Acetone
Concen: 2.771 ppbv m
RT: 3.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL037253.D
Acq: 29 Jun 2021 17:38

Instrument :
MSVOA_L
ClientSampleId :
SV-3DL

Tot Ion: 43 Resp: 516177
Ion Ratio Lower Upper
43 100
58 32.0 23.7 35.5

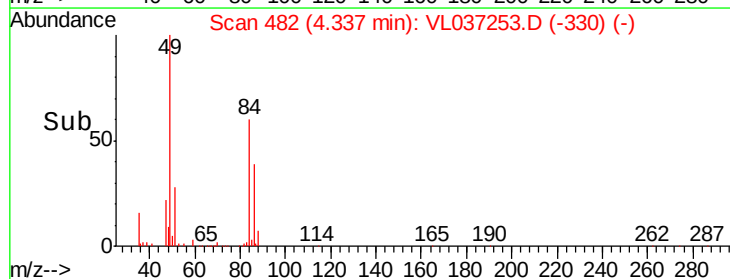
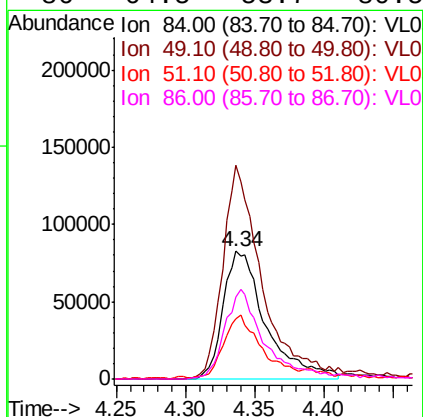
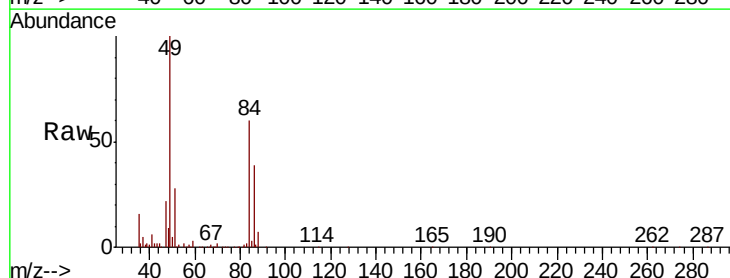
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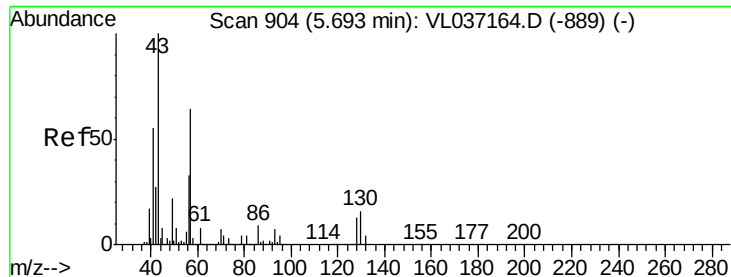
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#20
Methylene Chloride
Concen: 1.572 ppbv m
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL037253.D
Acq: 29 Jun 2021 17:38

Tgt Ion: 84 Resp: 175321
Ion Ratio Lower Upper
84 100
49 167.2 119.7 179.5
51 47.2 36.1 54.1
86 64.5 53.7 80.5





#26

Hexane

Concen: 0.804 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL037253.D

Acq: 29 Jun 2021 17:38

Instrument :

MSVOA_L

ClientSampleId :

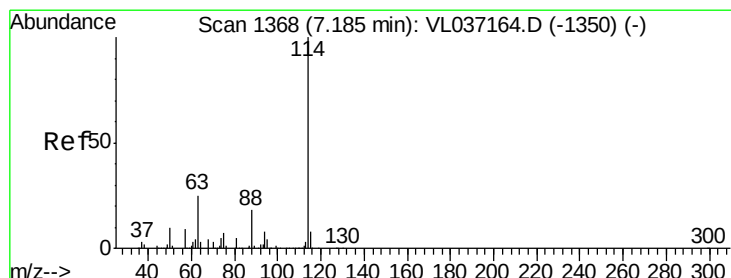
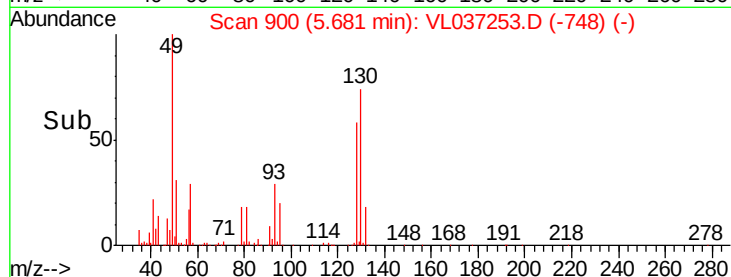
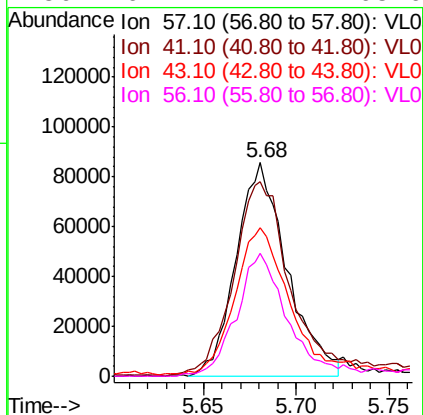
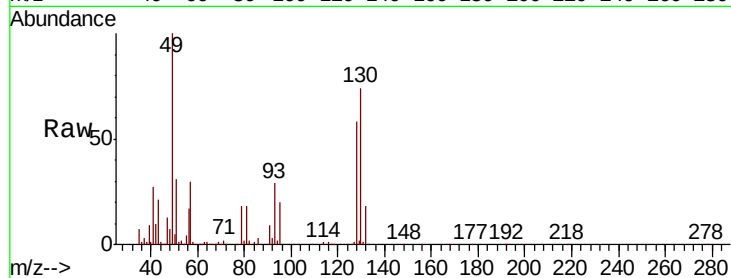
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Tot Ion	57	Resp	163884
Ion	Ratio	Lower	Upper
57	100		
41	107.0	73.5	110.3
43	78.4	170.7	256.1#
56	62.1	42.4	63.6



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

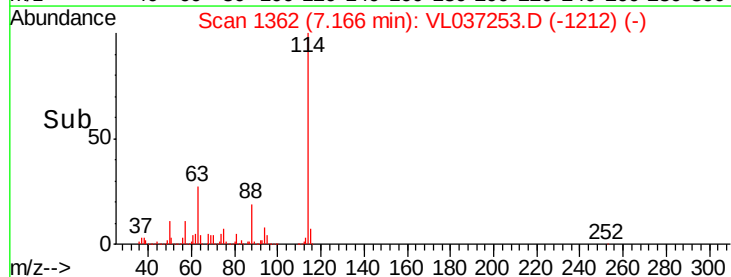
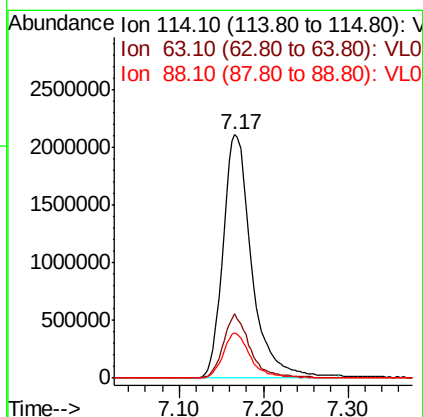
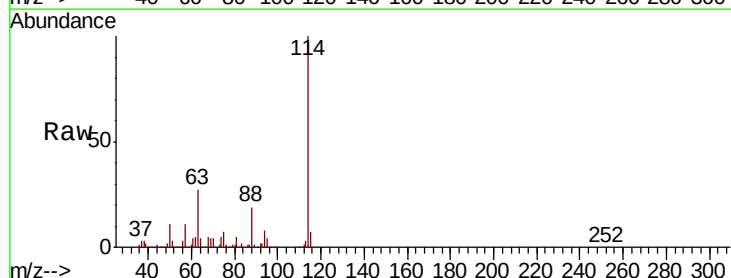
RT: 7.17 min Scan# 1362

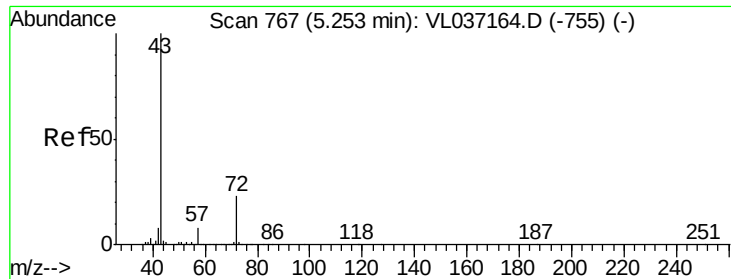
Delta R.T. -0.02 min

Lab File: VL037253.D

Acq: 29 Jun 2021 17:38

Tgt Ion	114	Resp	4987791
Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.6	29.4
88	18.0	14.2	21.2





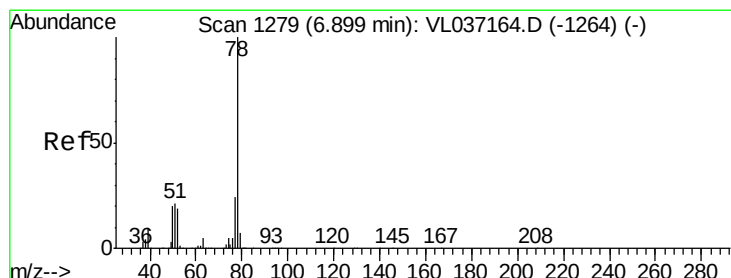
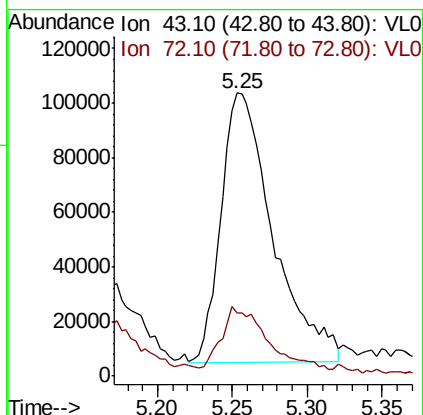
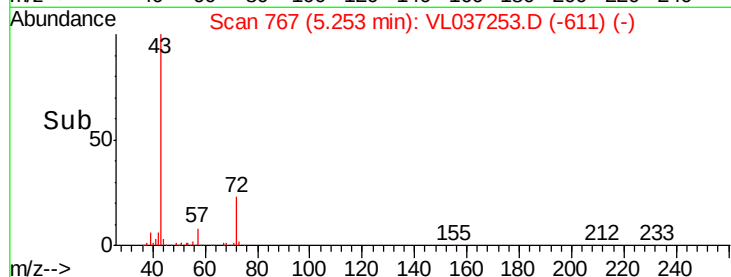
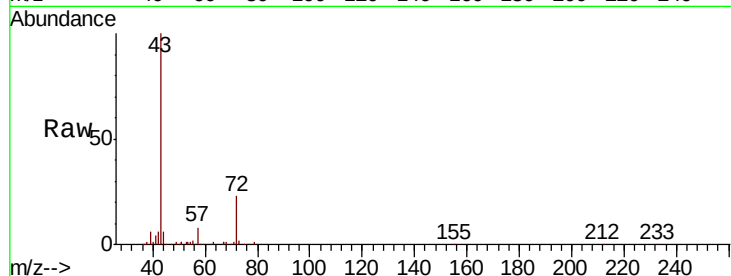
#34
2-Butanone
Concen: 1.226 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.00 min
Lab File: VL037253.D
Acq: 29 Jun 2021 17:38

Instrument :
MSVOA_L
ClientSampled :
SV-3DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	29.2	18.9	28.3#

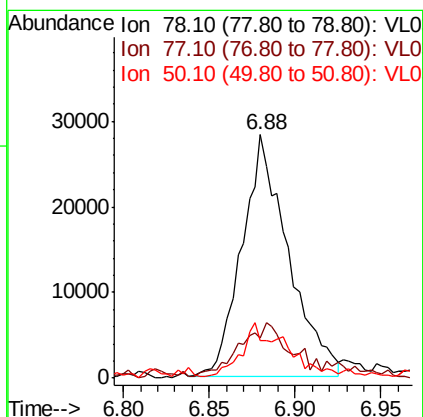
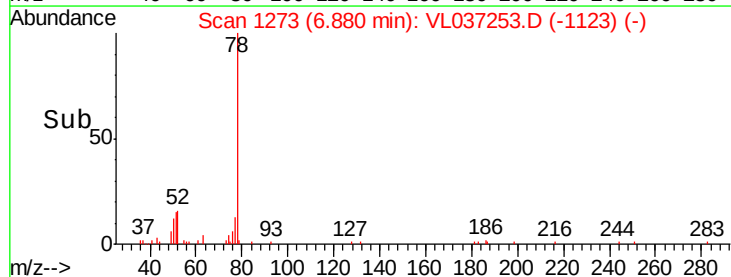
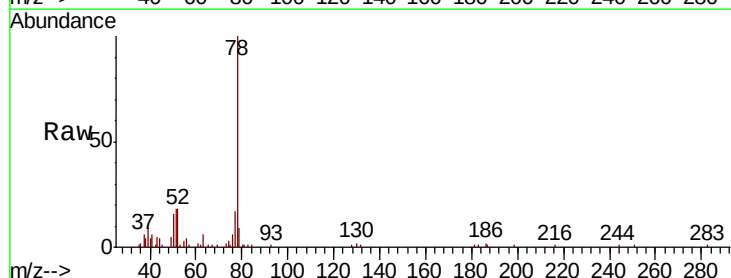
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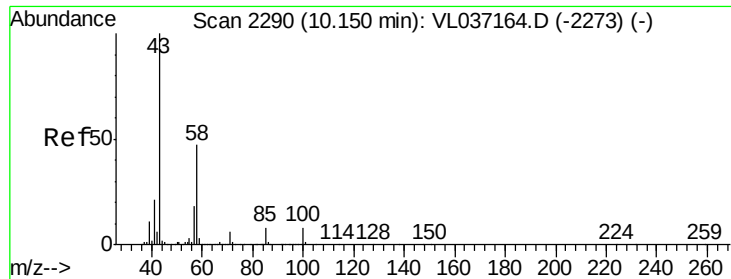
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#36
Benzene
Concen: 0.130 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL037253.D
Acq: 29 Jun 2021 17:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	16.1	19.0	28.6#
50	11.4	15.7	23.5#





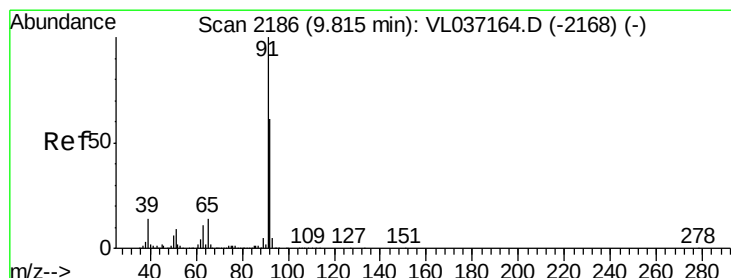
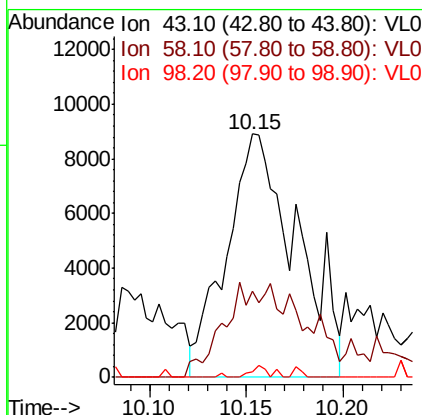
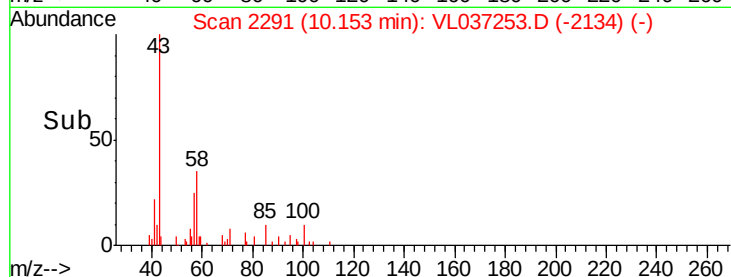
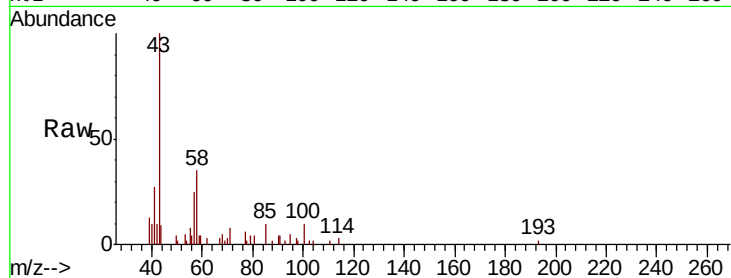
#51
2-Hexanone
Concen: 0.174 ppbv m
RT: 10.15 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VL037253.D
Acq: 29 Jun 2021 17:38

Instrument :
MSVOA_L
ClientSampled :
SV-3DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.4	57.6#
98	0.0	0.3	0.5#

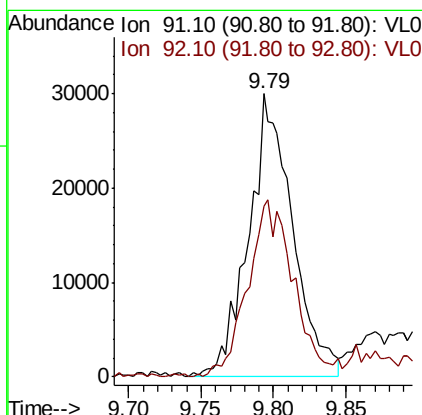
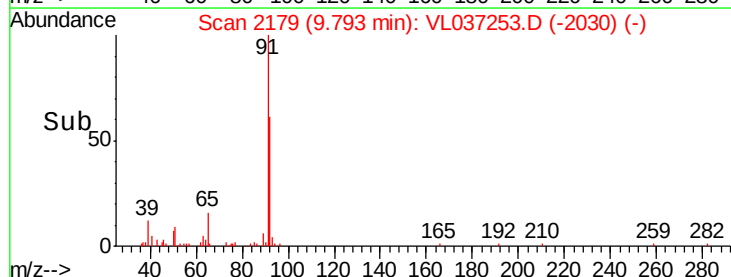
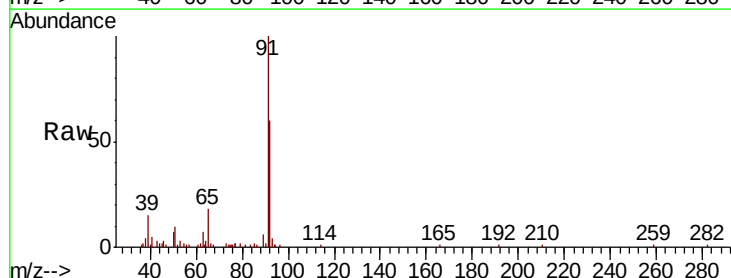
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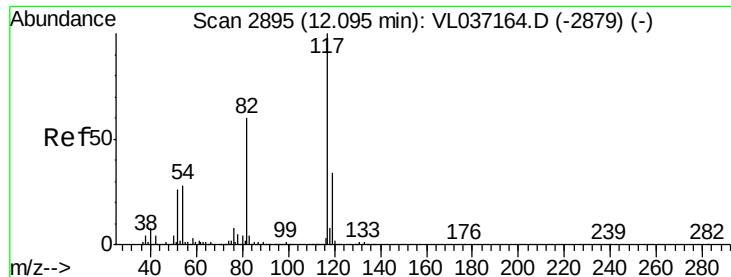
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#53
Toluene
Concen: 0.132 ppbv
RT: 9.79 min Scan# 2179
Delta R.T. -0.02 min
Lab File: VL037253.D
Acq: 29 Jun 2021 17:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	64.8	48.3	72.5





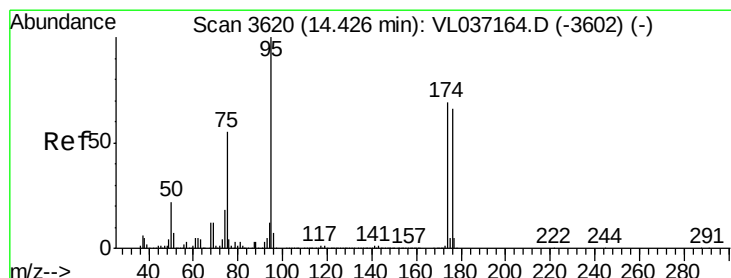
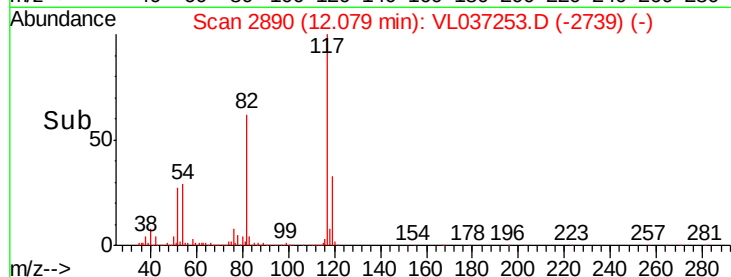
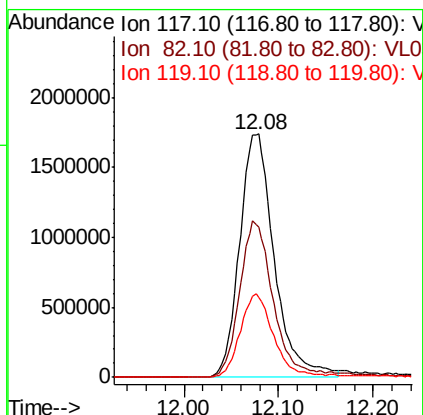
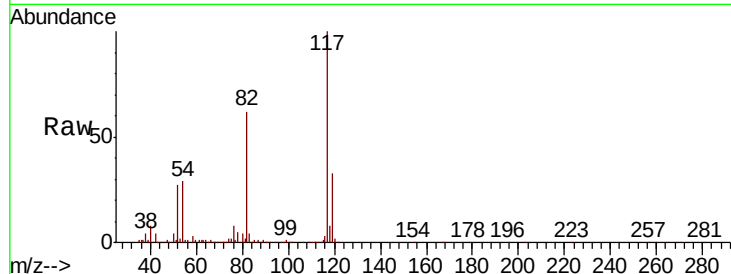
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.02 min
Lab File: VL037253.D
Acq: 29 Jun 2021 17:38

Instrument :
MSVOA_L
ClientSampleId :
SV-3DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.0	51.7	77.5
119	34.6	47.6	71.4#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.579 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.02 min
Lab File: VL037253.D
Acq: 29 Jun 2021 17:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	57.0	85.4
175	5.4	4.4	6.6

