

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037238.D
 Acq On : 23 Jun 2021 9:07
 Operator : SY/AP
 Sample : M2797-01DL 200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

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Quant Time: Jun 24 09:53:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 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	5.65	49	1581109	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4562603	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.07	117	3987244	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2851595	9.44	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	152116	0.495	ppbv	100
9) Propene	3.00	41	148454	1.510	ppbv	99
15) Acetone	3.84	43	779888m	4.374	ppbv	
34) 2-Butanone	5.24	43	1023968	5.771	ppbv	99
36) Benzene	6.87	78	593606	1.609	ppbv	99
52) Tetrachloroethene	11.21	164	19955m	0.116	ppbv	
53) Toluene	9.79	91	188433m	0.428	ppbv	

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

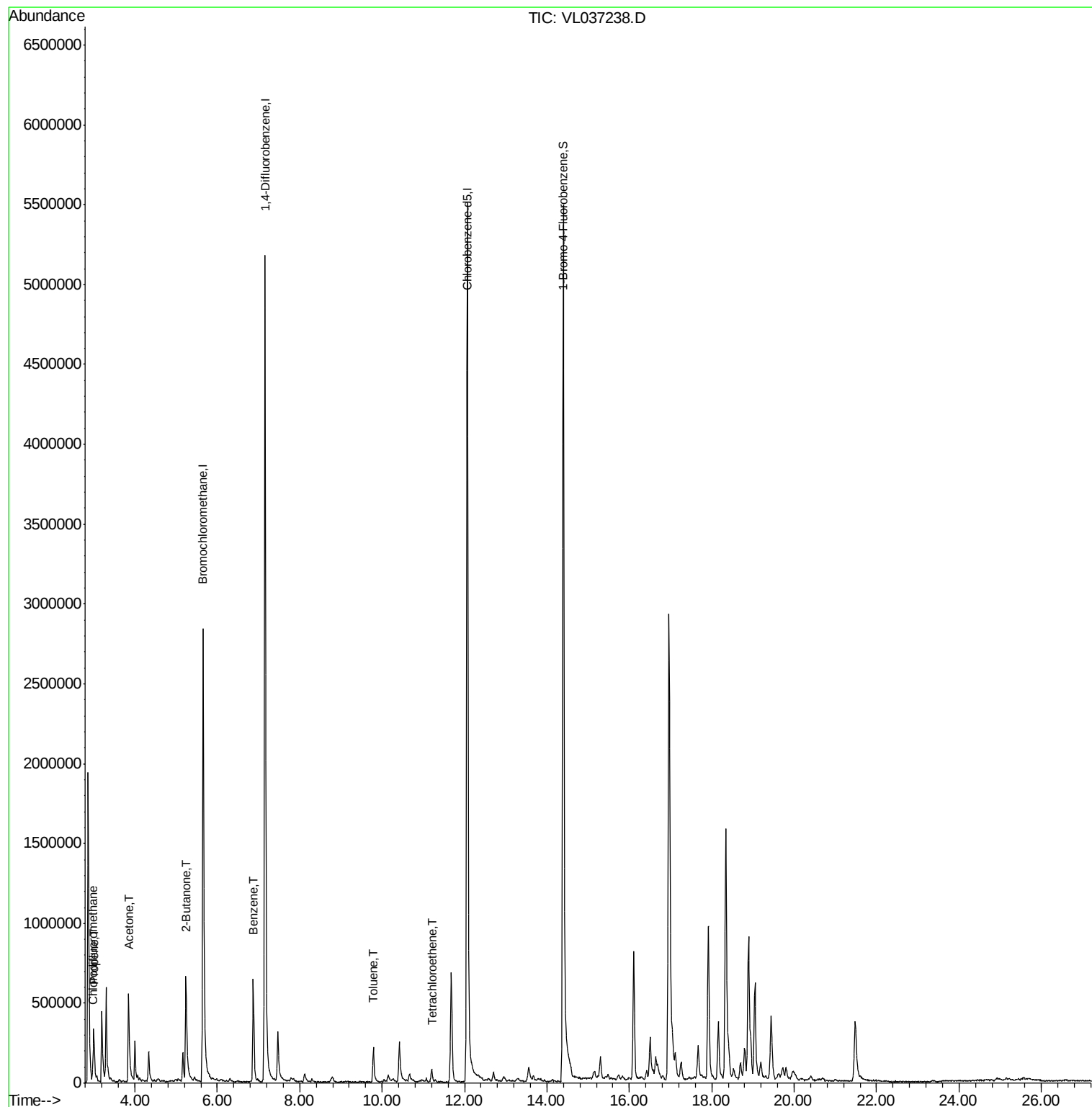
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062221\
Data File : VL037238.D
Acq On : 23 Jun 2021 9:07
Operator : SY/AP
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

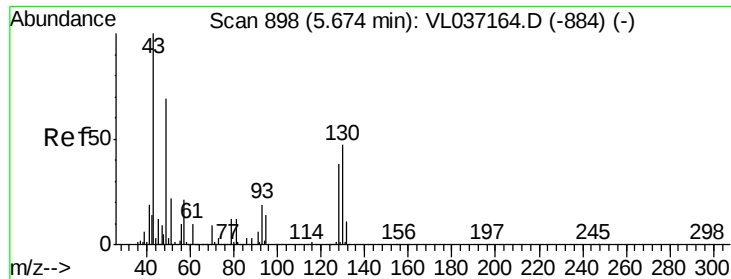
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Jun 24 09:53:03 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL037238.D

Acq: 23 Jun 2021 9:07

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tot Ion: 49 Resp: 1581109

Ion Ratio Lower Upper

49 100

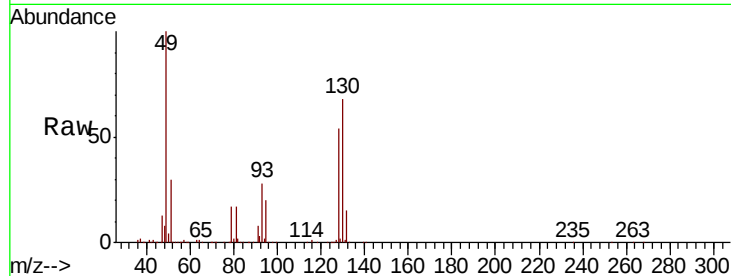
128 54.6 29.3 88.0

130 69.2 35.9 107.8

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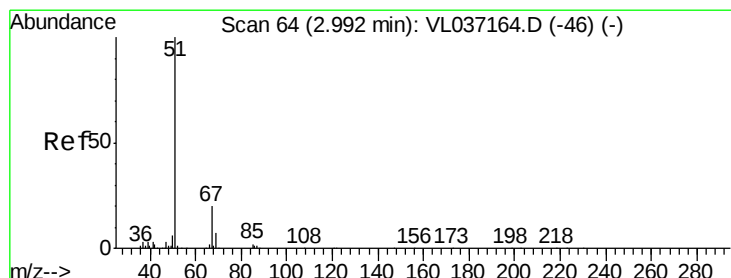
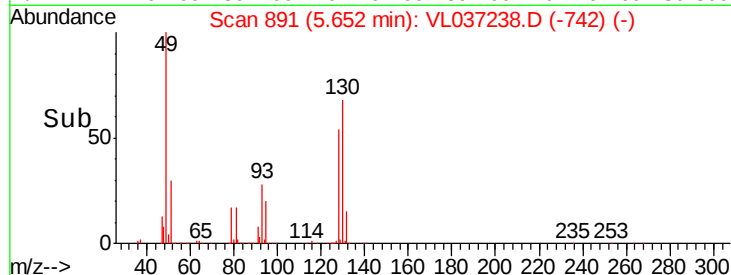
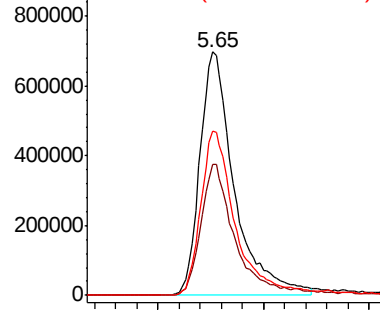
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 0.495 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL037238.D

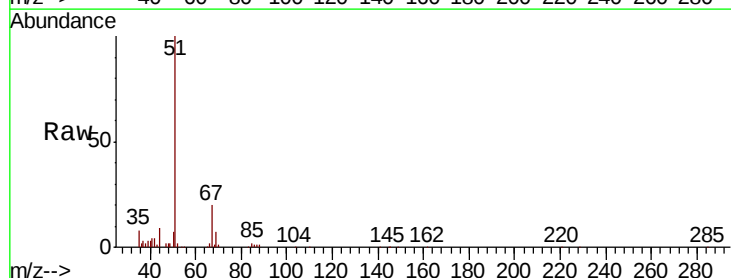
Acq: 23 Jun 2021 9:07

Tgt Ion: 51 Resp: 152116

Ion Ratio Lower Upper

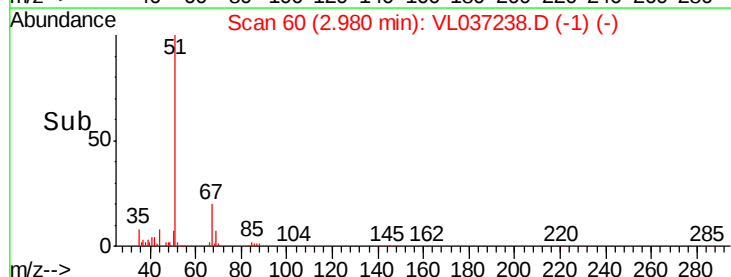
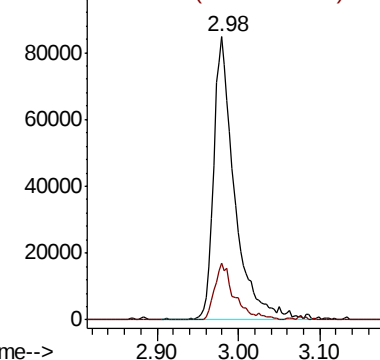
51 100

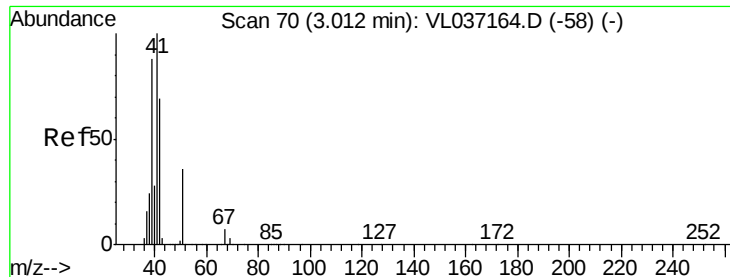
67 19.9 15.8 23.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 1.510 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL037238.D

Acq: 23 Jun 2021 9:07

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tot Ion: 41 Resp: 148454

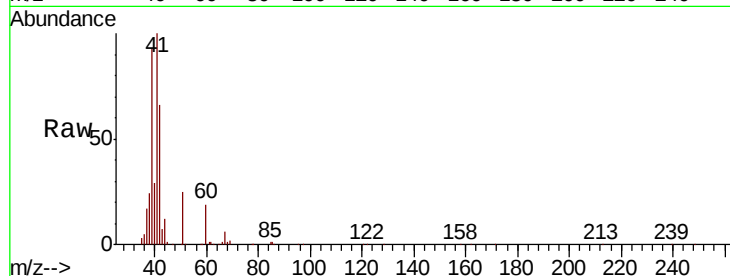
Ion Ratio Lower Upper

41 100

42 67.2 54.5 81.7

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

80000

60000

40000

20000

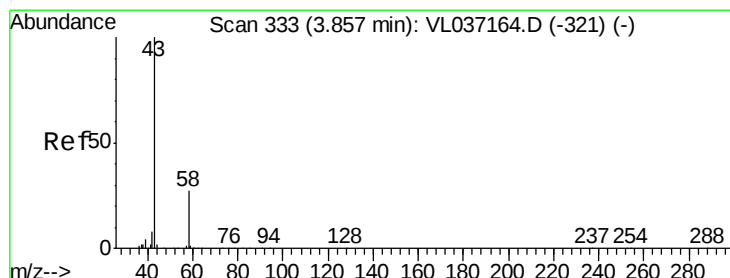
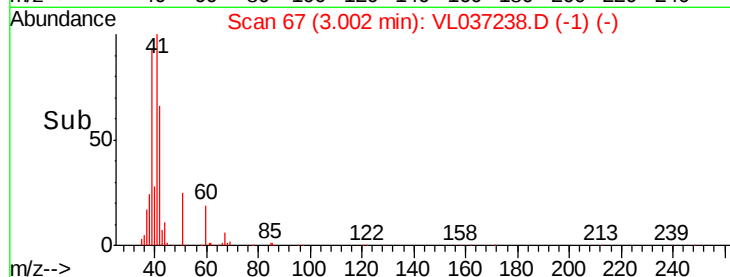
0

Time-->

2.95

3.00

3.05



#15

Acetone

Concen: 4.374 ppbv m

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL037238.D

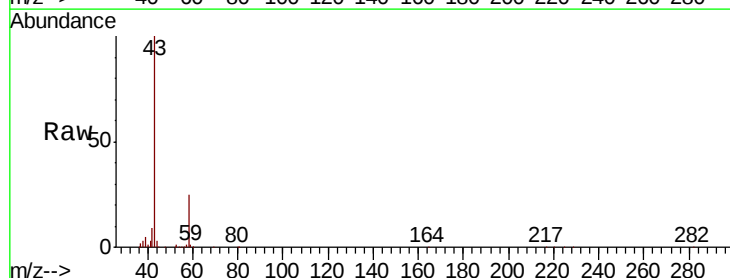
Acq: 23 Jun 2021 9:07

Tgt Ion: 43 Resp: 779888

Ion Ratio Lower Upper

43 100

58 33.1 23.7 35.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

400000

300000

200000

100000

0

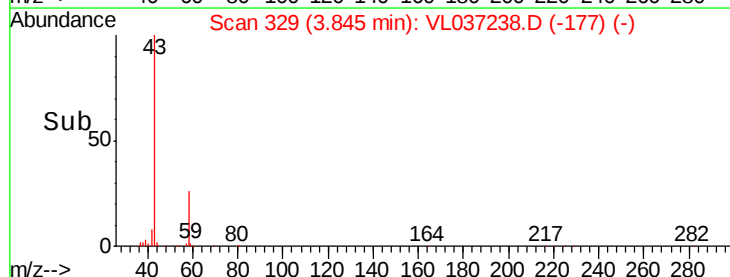
Time-->

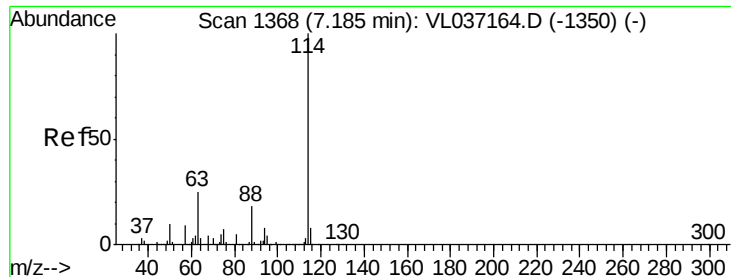
3.80

3.84

3.90

4.00





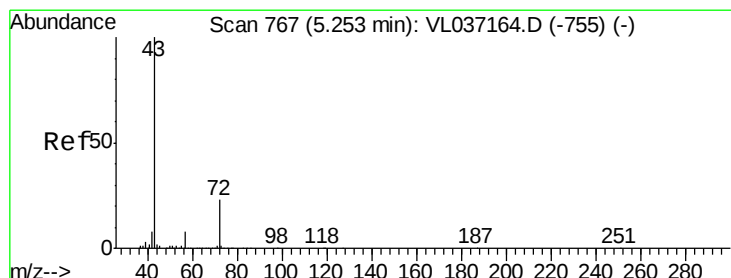
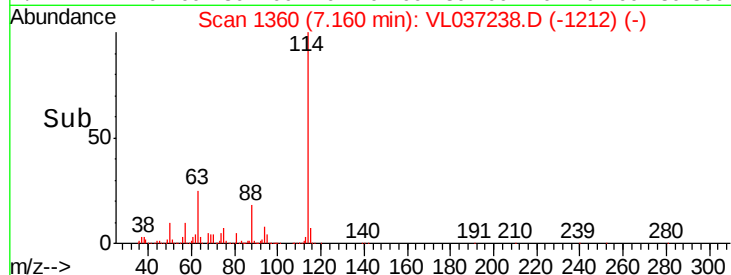
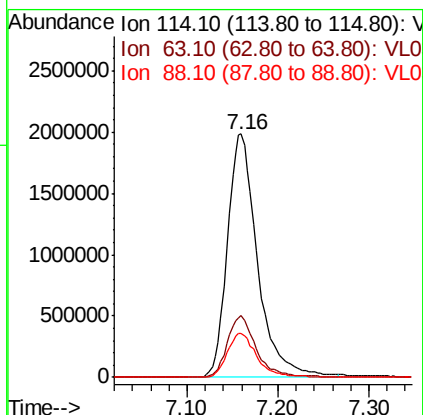
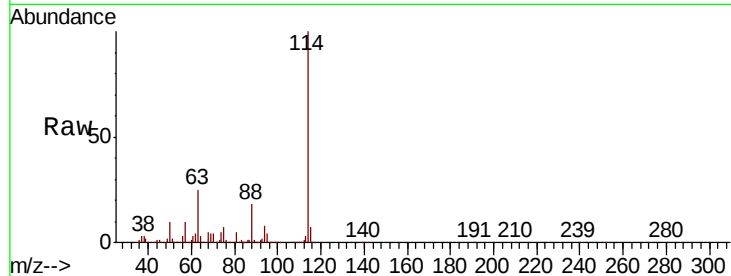
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.03 min
 Lab File: VL037238.D
 Acq: 23 Jun 2021 9:07

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.6	29.4
88	18.0	14.2	21.2

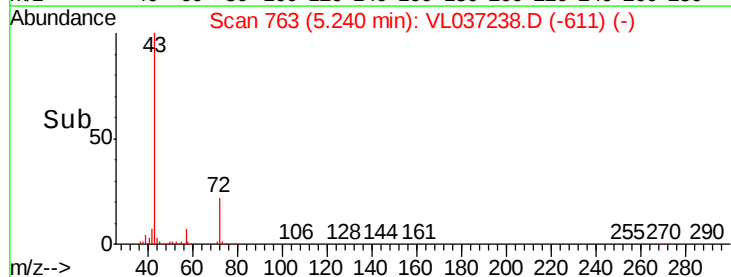
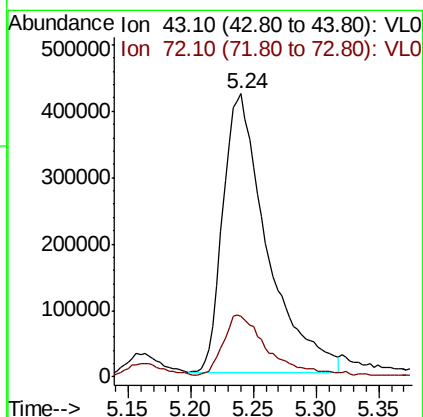
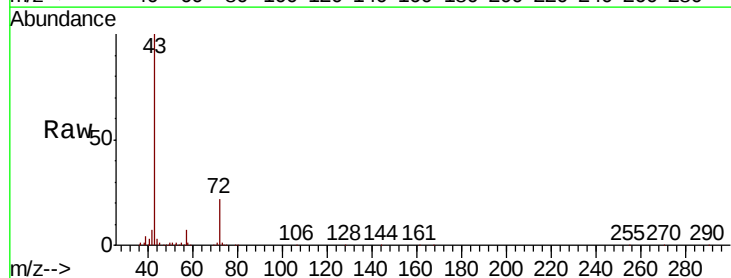
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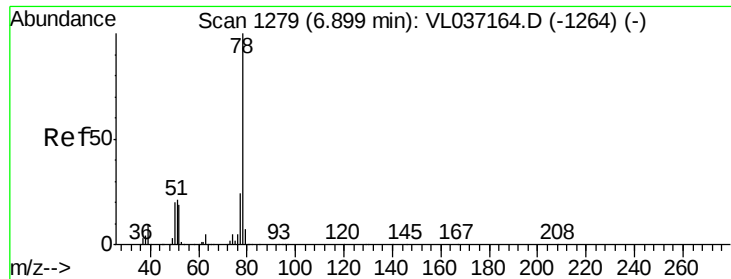
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#34
 2-Butanone
 Concen: 5.771 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL037238.D
 Acq: 23 Jun 2021 9:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.9	28.3





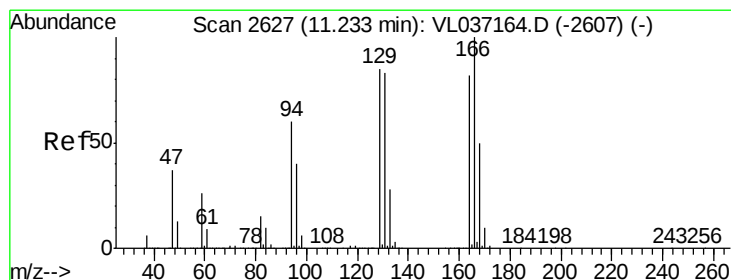
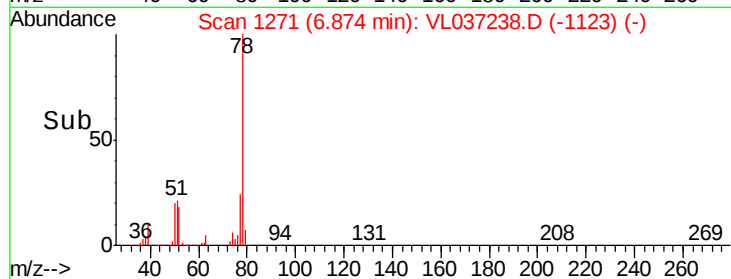
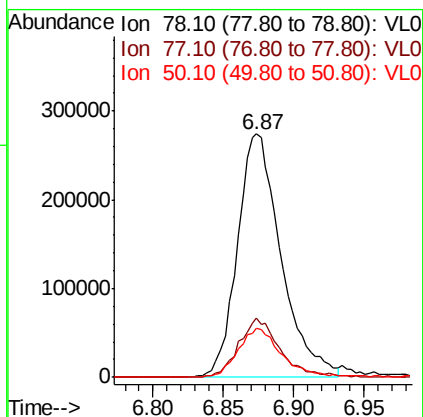
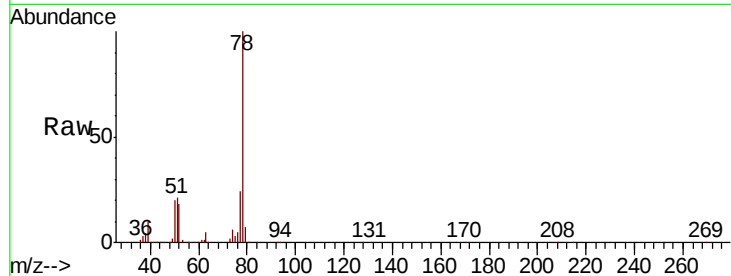
#36
Benzene
Concen: 1.609 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.03 min
Lab File: VL037238.D
Acq: 23 Jun 2021 9:07

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6
50	20.3	15.7	23.5

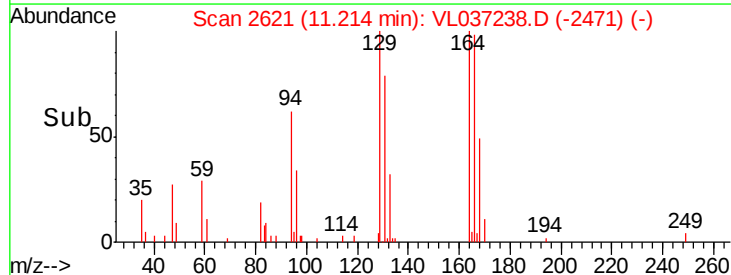
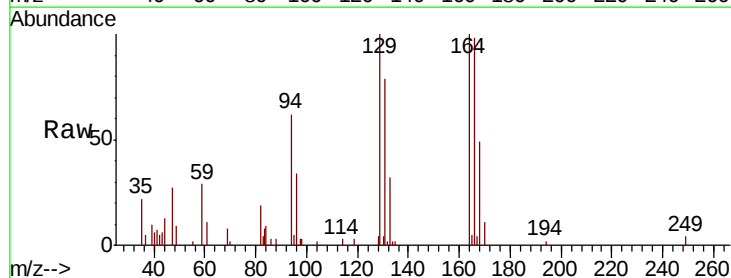
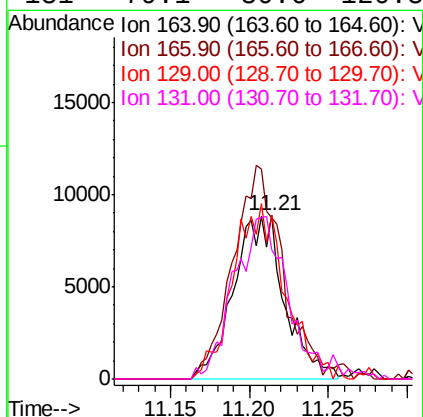
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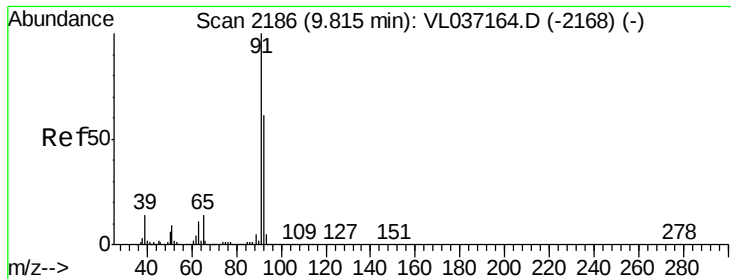
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#52
Tetrachloroethene
Concen: 0.116 ppbv m
RT: 11.21 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL037238.D
Acq: 23 Jun 2021 9:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	98.2	97.6	146.4
129	100.3	82.9	124.3
131	79.1	80.6	120.8#





#53

Toluene

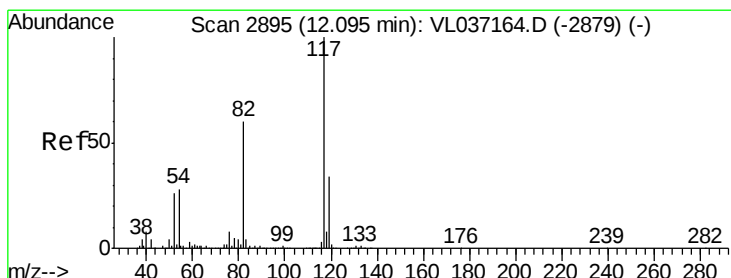
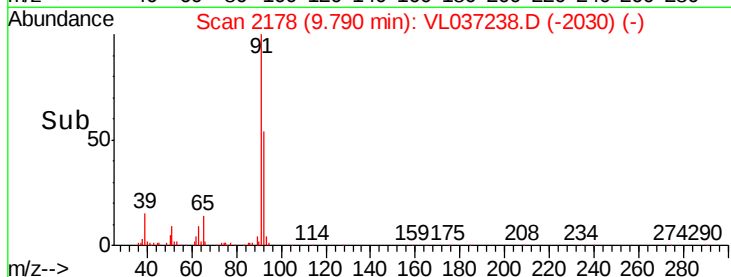
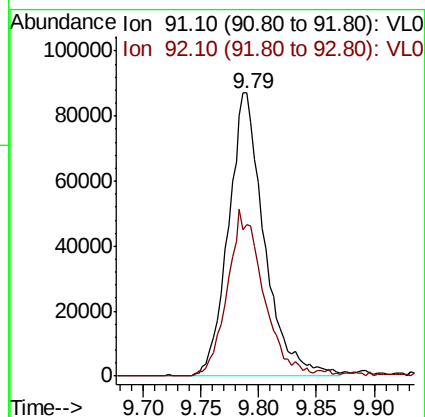
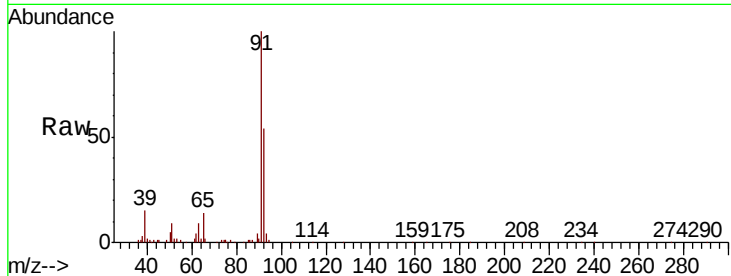
Concen: 0.428 ppbv m
RT: 9.79 min Scan# 2178
Delta R.T. -0.03 min
Lab File: VL037238.D
Acq: 23 Jun 2021 9:07

Instrument :
MSVOA_L
ClientSampled :
SV1DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		188433		
92	60.3	48.3	72.5		

Manual Integrations
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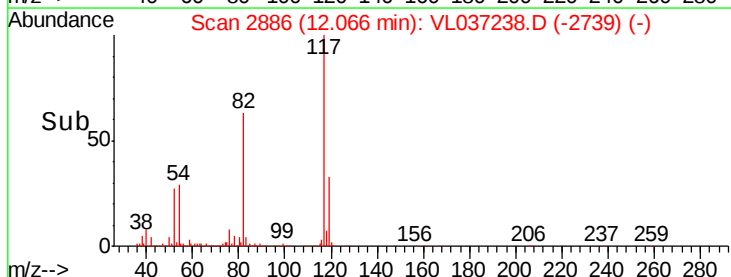
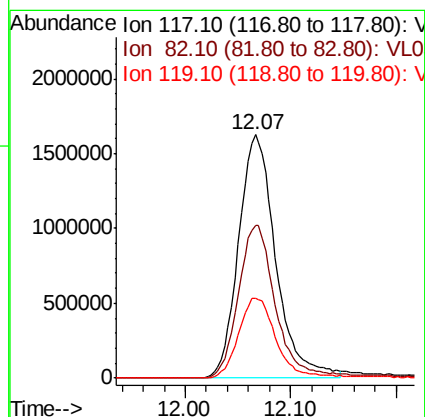
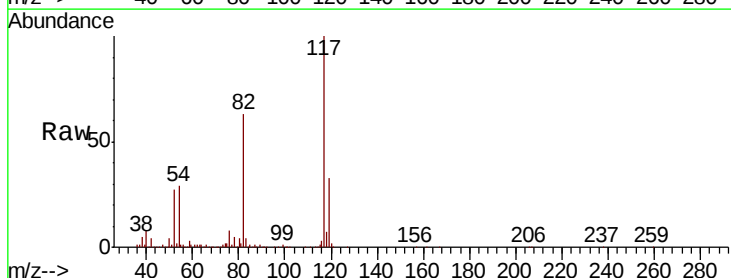


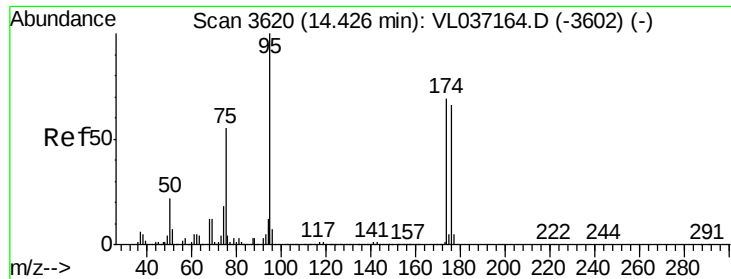
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL037238.D
Acq: 23 Jun 2021 9:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		3987244		
82	64.8	51.7	77.5		
119	34.4	47.6	71.4#		





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.438 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. -0.03 min
 Lab File: VL037238.D
 Acq: 23 Jun 2021 9:07

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	76.7	57.0	85.4
175	5.3	4.4	6.6

Manual Integrations
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