

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037250.D
 Acq On : 29 Jun 2021 15:41
 Operator : SY/AP
 Sample : M2887-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Manual Integrations
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 7/5/2021 3:38:15 PM

Quant Time: Jun 30 09:56:46 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	1796362	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	5163788	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4602660	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	3399616	9.75	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	278963	2.498	ppbv	93
10) Heptane	8.11	43	43204m	0.160	ppbv	
13) Ethanol	3.61	45	98142m	5.681	ppbv	
15) Acetone	3.84	43	2006111	9.903	ppbv	97
20) Methylene Chloride	4.34	84	511070	4.214	ppbv	98
26) Hexane	5.68	57	371374	1.676	ppbv #	46
34) 2-Butanone	5.26	43	86187	0.429	ppbv #	75
36) Benzene	6.88	78	45069	0.108	ppbv #	91
53) Toluene	9.79	91	60192	0.121	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	61916	0.107	ppbv #	70

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

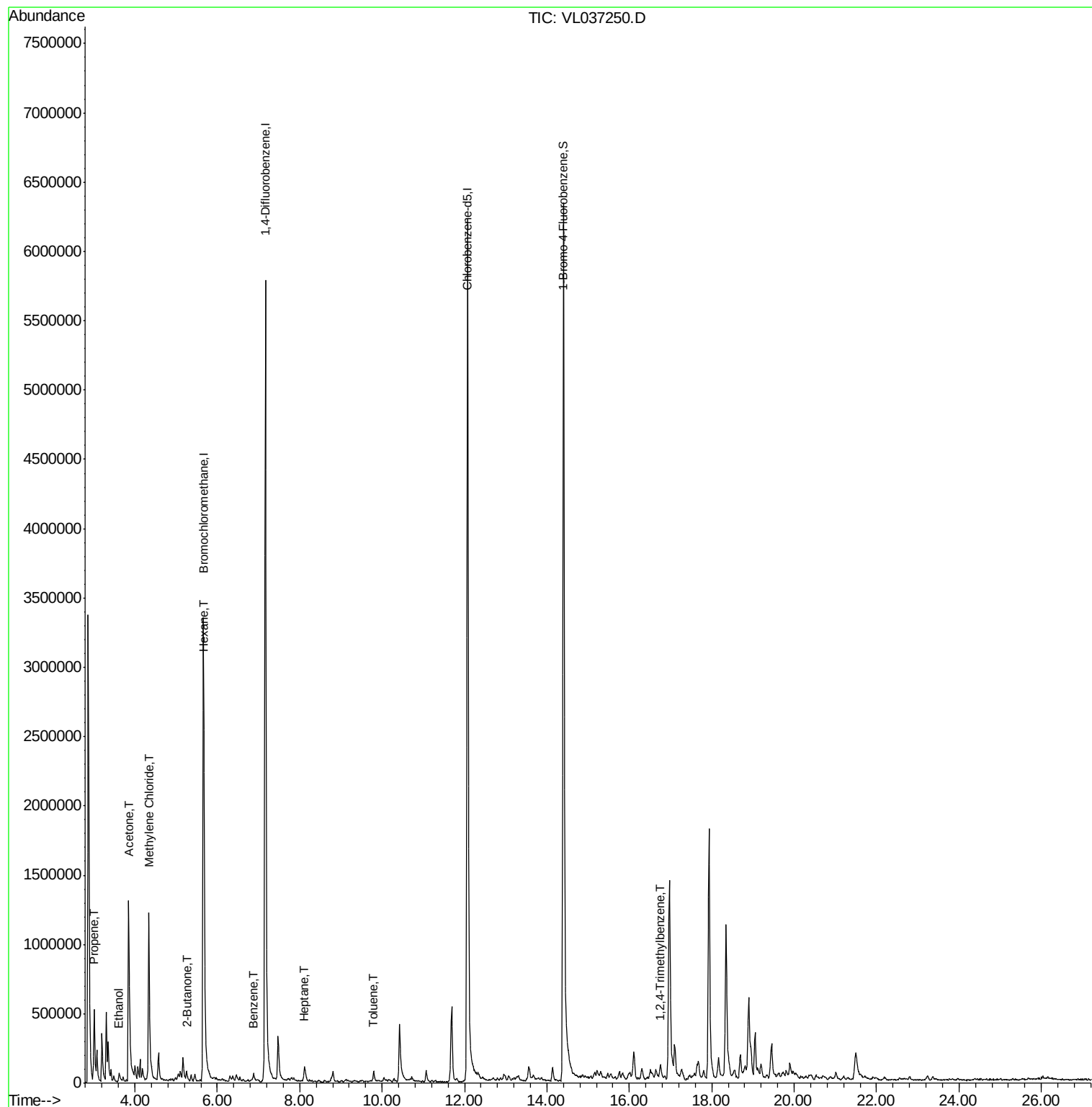
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062921\
Data File : VL037250.D
Acq On : 29 Jun 2021 15:41
Operator : SY/AP
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Misc : 400mL/MSVOA L
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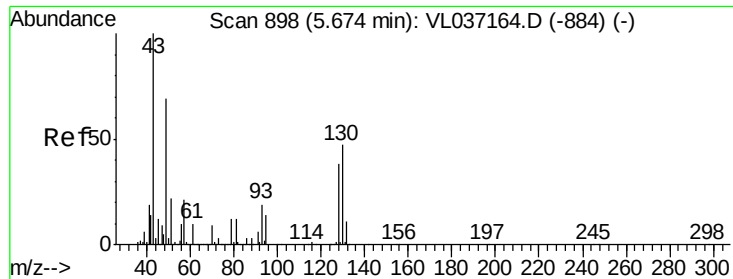
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

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Quant Time: Jun 30 09:56:46 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: VL037250.D

Acq: 29 Jun 2021 15:41

Instrument :

MSVOA_L

ClientSampled :

SV-1DL

Tot Ion: 49 Resp: 1796362

Ion Ratio Lower Upper

49 100

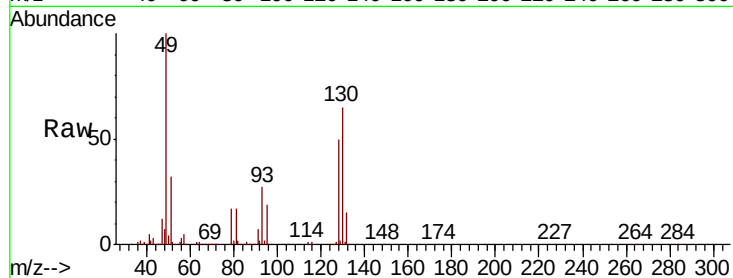
128 54.2 29.3 88.0

130 68.6 35.9 107.8

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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

1000000

800000

600000

400000

200000

0

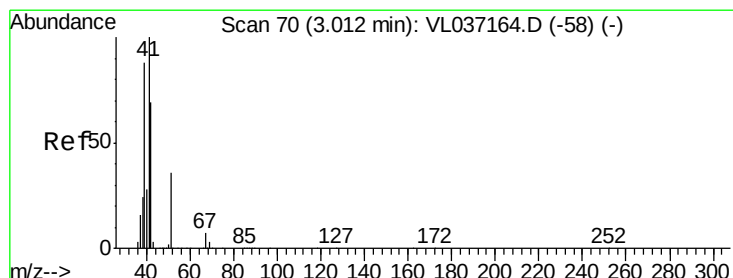
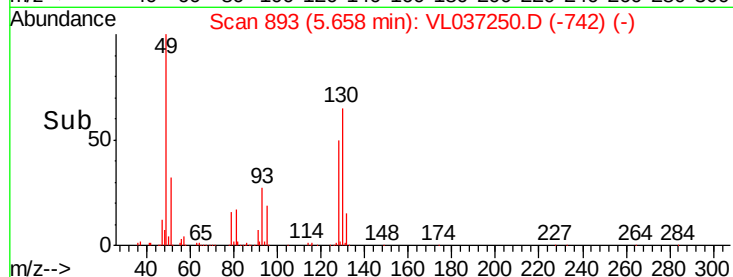
5.66

5.60

5.70

5.80

Time-->



#9

Propene

Concen: 2.498 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL037250.D

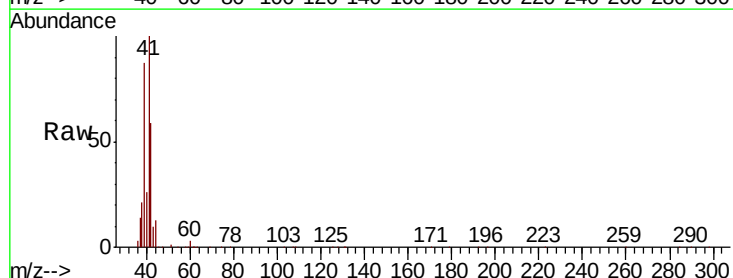
Acq: 29 Jun 2021 15:41

Tgt Ion: 41 Resp: 278963

Ion Ratio Lower Upper

41 100

42 62.3 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

150000

100000

50000

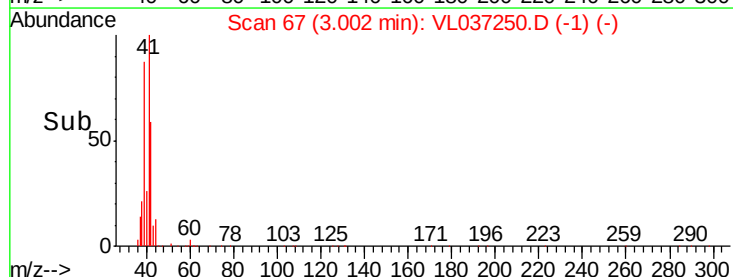
0

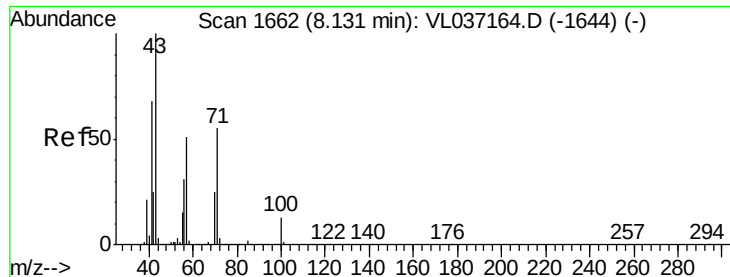
3.00

2.95

3.05

Time-->





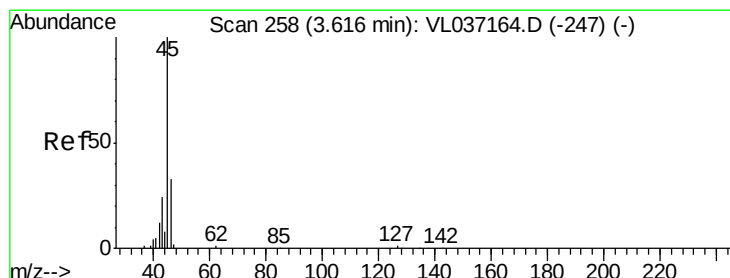
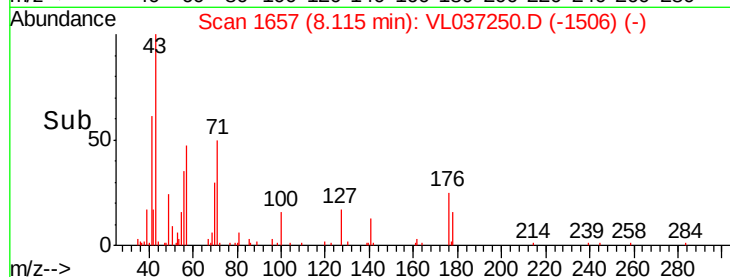
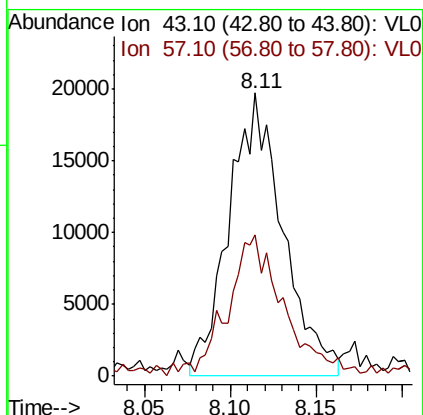
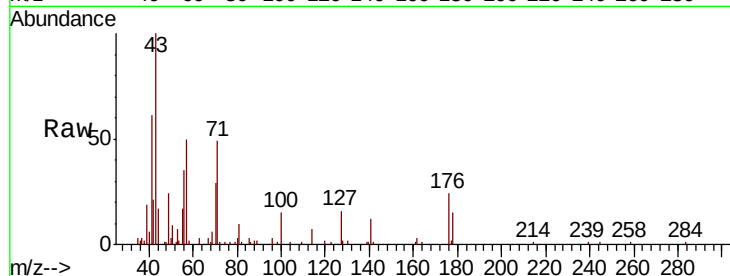
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Heptane
Concen: 0.160 ppbv m
RT: 8.11 min Scan# 1657
Delta R.T. -0.02 min
Lab File: VL037250.D
Acq: 29 Jun 2021 15:41

Instrument :
MSVOA_L
ClientSampled :
SV-1DL

Tot Ion: 43 Resp: 43204
Ion Ratio Lower Upper
43 100
57 0.0 40.6 61.0#

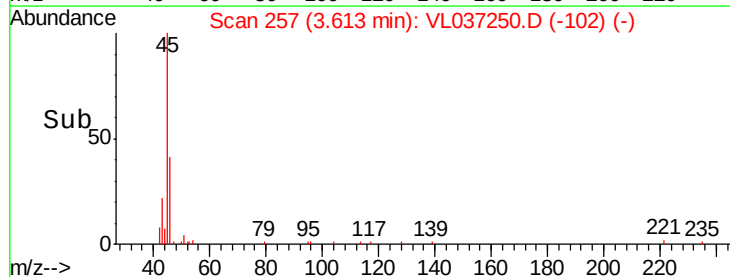
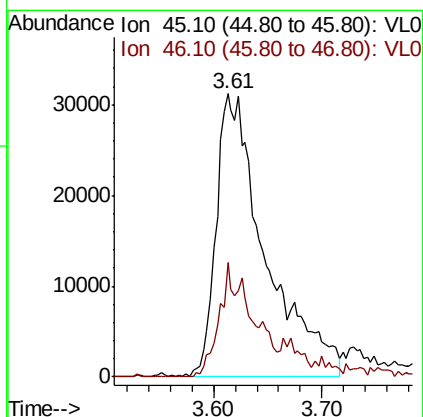
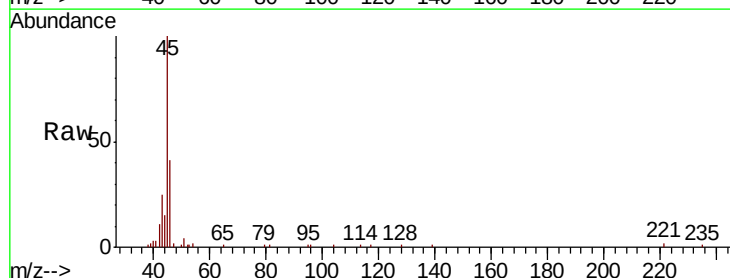
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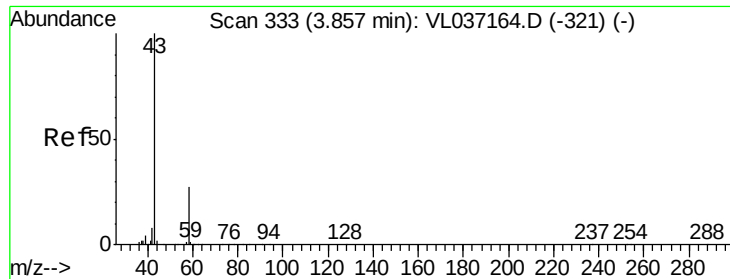
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#13
Ethanol
Concen: 5.681 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. -0.00 min
Lab File: VL037250.D
Acq: 29 Jun 2021 15:41

Tgt Ion: 45 Resp: 98142
Ion Ratio Lower Upper
45 100
46 35.5 34.2 137.0





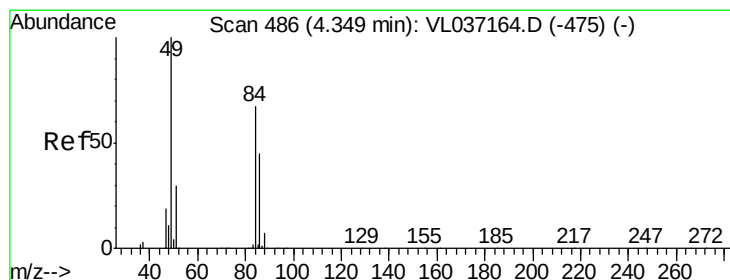
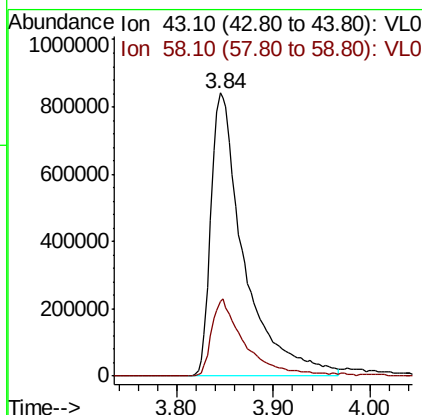
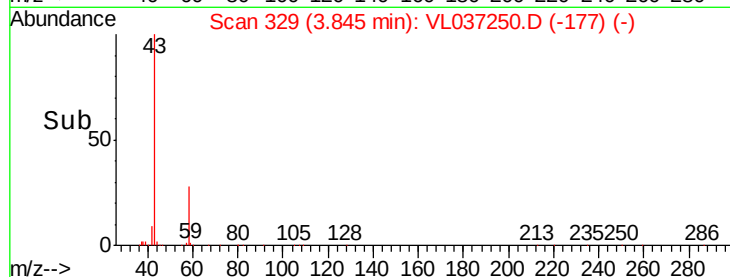
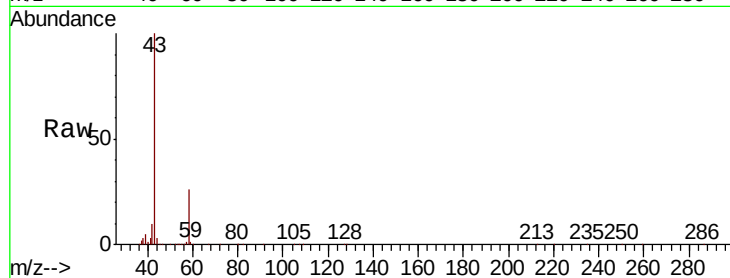
#15
Acetone
Concen: 9.903 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL037250.D
Acq: 29 Jun 2021 15:41

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tot Ion: 43 Resp: 2006111
Ion Ratio Lower Upper
43 100
58 27.9 23.7 35.5

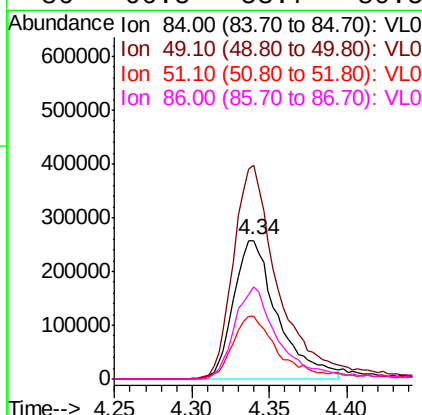
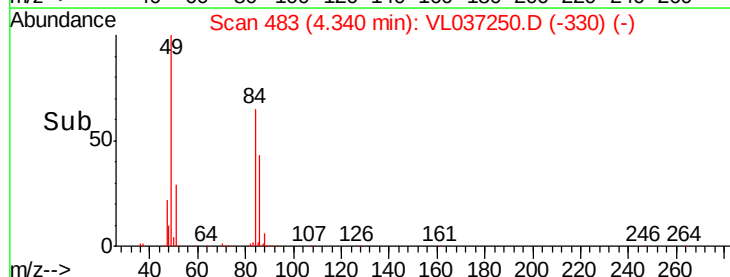
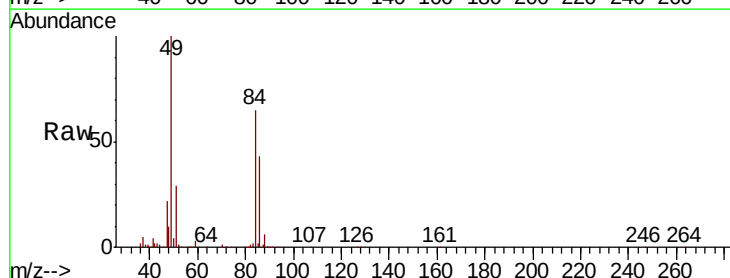
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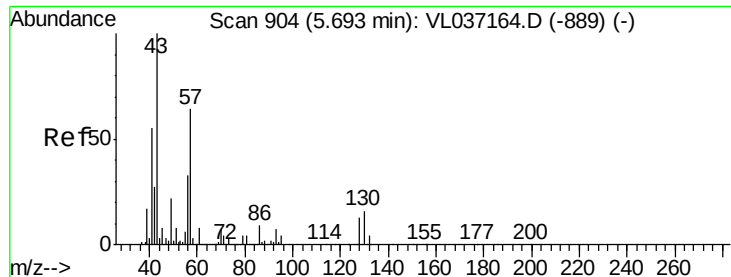
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#20
Methylene Chloride
Concen: 4.214 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL037250.D
Acq: 29 Jun 2021 15:41

Tgt Ion: 84 Resp: 511070
Ion Ratio Lower Upper
84 100
49 154.3 119.7 179.5
51 44.8 36.1 54.1
86 66.5 53.7 80.5





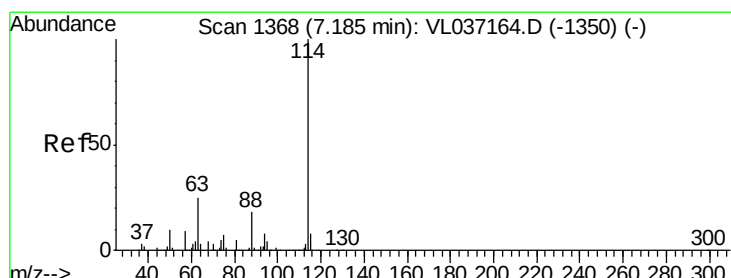
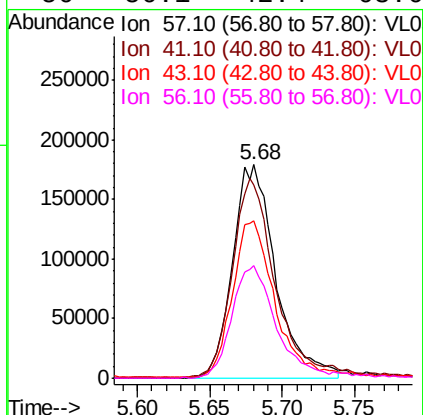
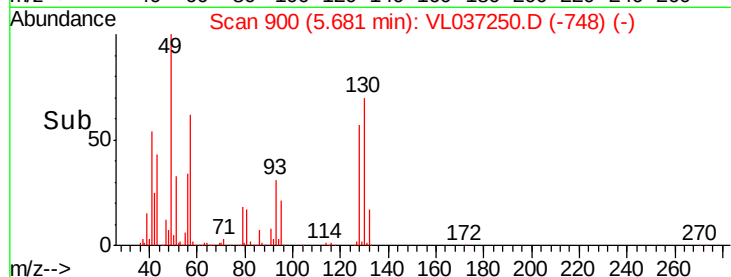
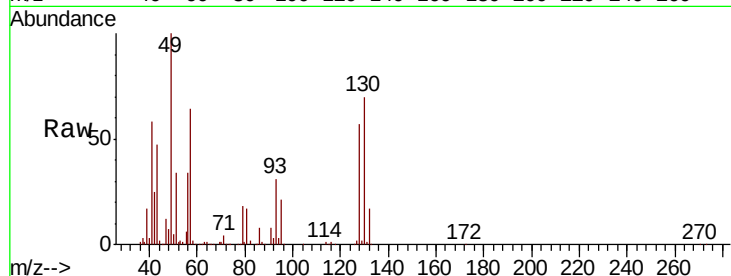
#26
Hexane
Concen: 1.676 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL037250.D
Acq: 29 Jun 2021 15:41

Instrument :
MSVOA_L
ClientSampled :
SV-1DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	94.2	73.5	110.3
43	73.8	170.7	256.1#
56	56.1	42.4	63.6

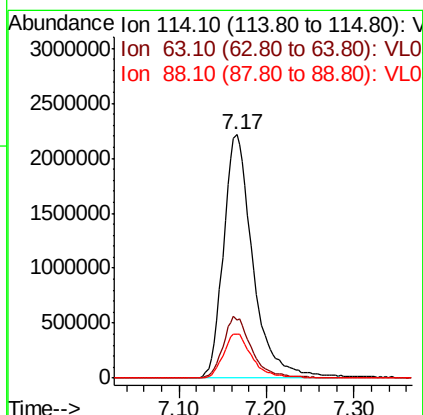
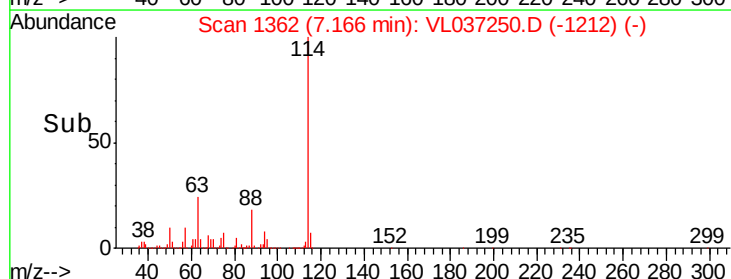
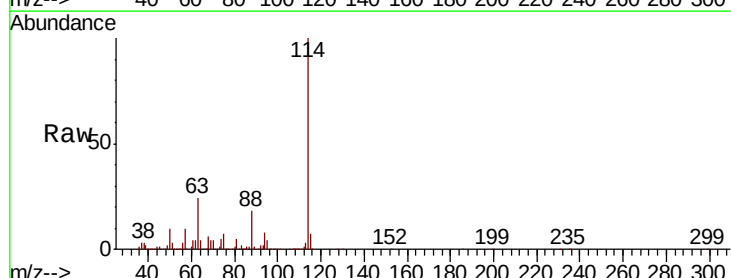
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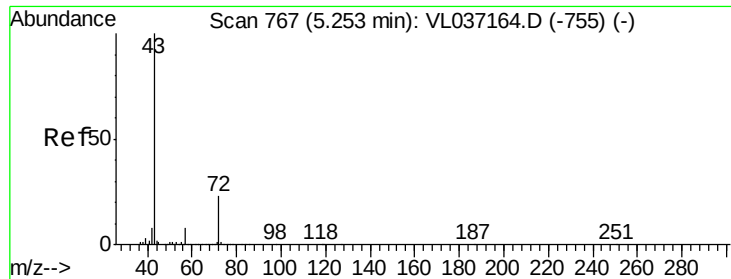
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL037250.D
Acq: 29 Jun 2021 15:41

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





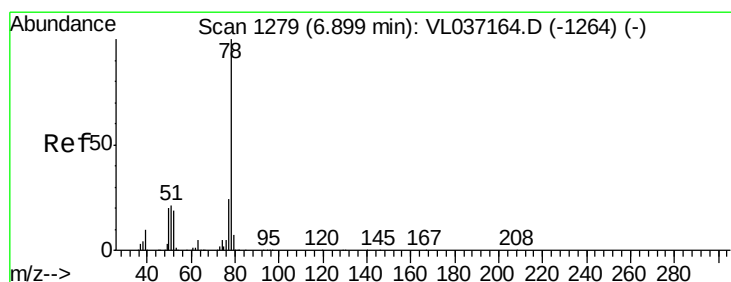
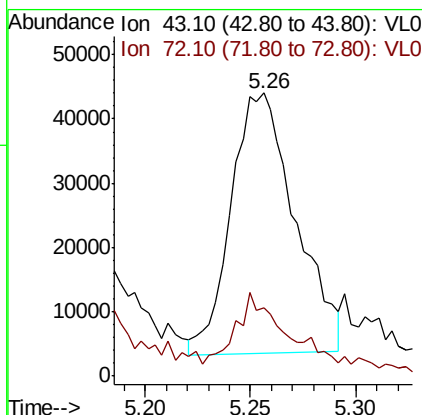
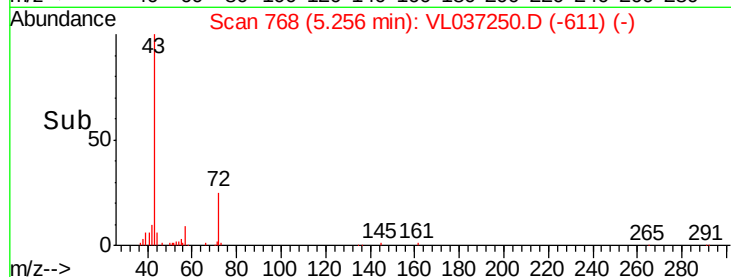
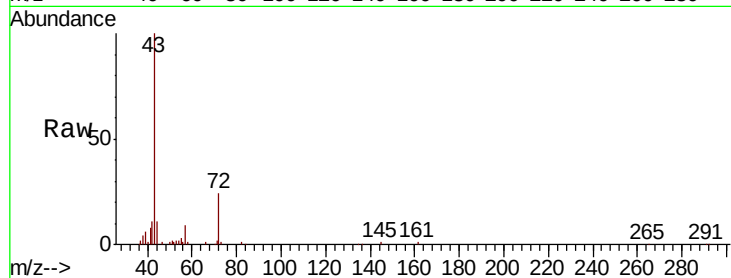
#34
2-Butanone
Concen: 0.429 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.00 min
Lab File: VL037250.D
Acq: 29 Jun 2021 15:41

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	35.6	18.9	28.3#

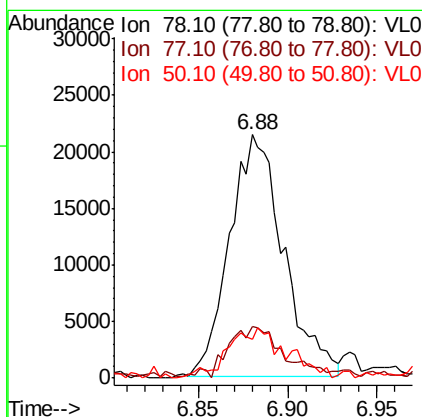
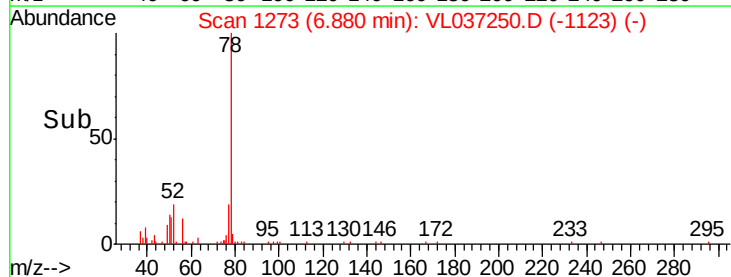
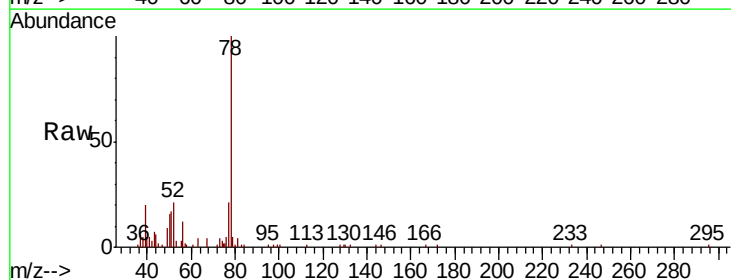
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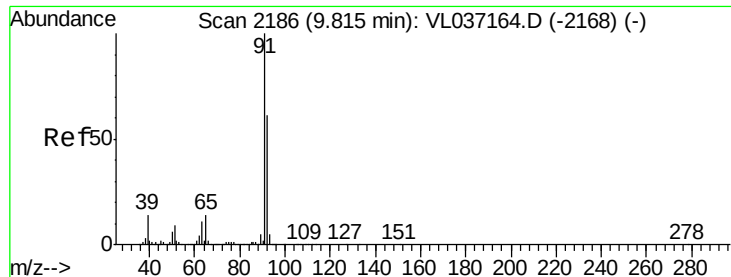
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#36
Benzene
Concen: 0.108 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL037250.D
Acq: 29 Jun 2021 15:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.7	19.0	28.6
50	15.1	15.7	23.5#





#53

Toluene

Concen: 0.121 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL037250.D

Acq: 29 Jun 2021 15:41

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL

Tot Ion: 91 Resp: 60192

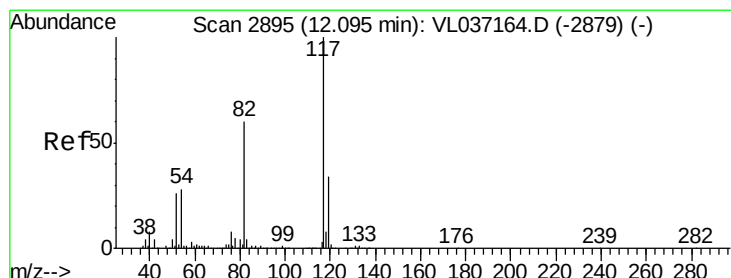
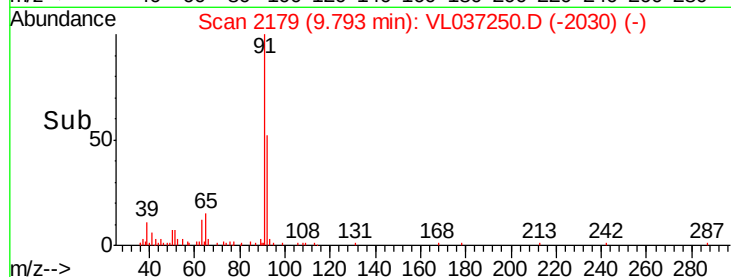
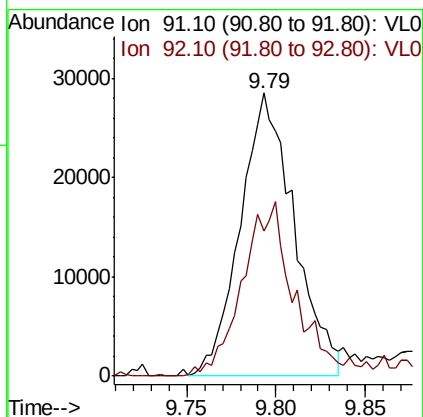
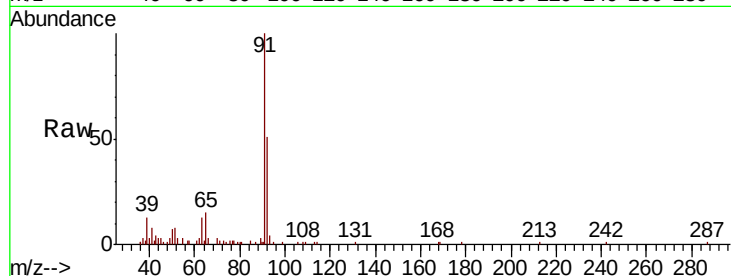
Ion Ratio Lower Upper

91 100

92 60.3 48.3 72.5

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.02 min

Lab File: VL037250.D

Acq: 29 Jun 2021 15:41

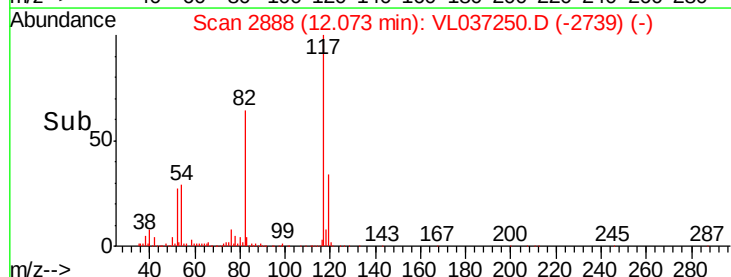
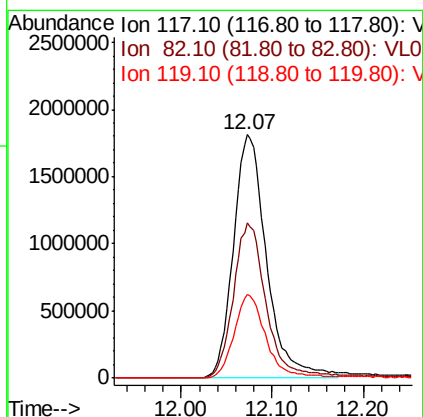
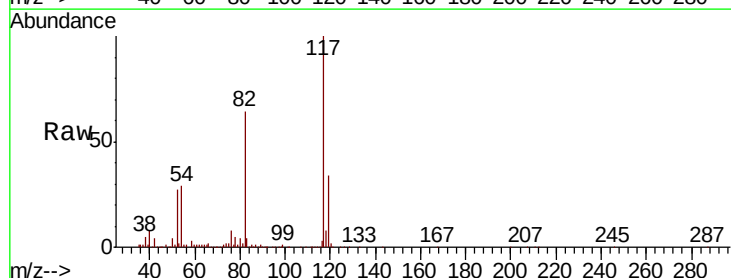
Tgt Ion: 117 Resp: 4602660

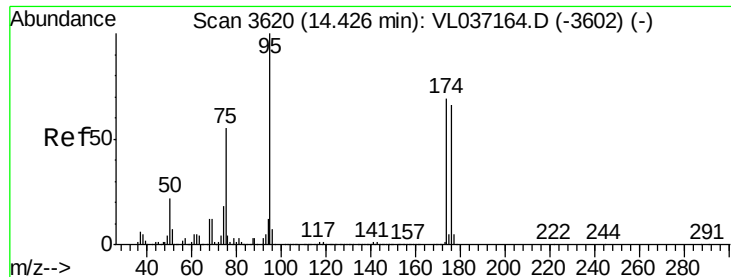
Ion Ratio Lower Upper

117 100

82 65.0 51.7 77.5

119 34.2 47.6 71.4#





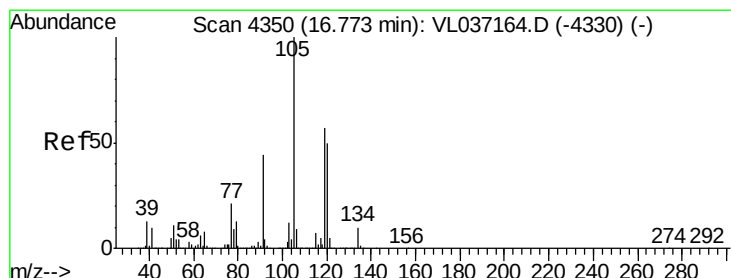
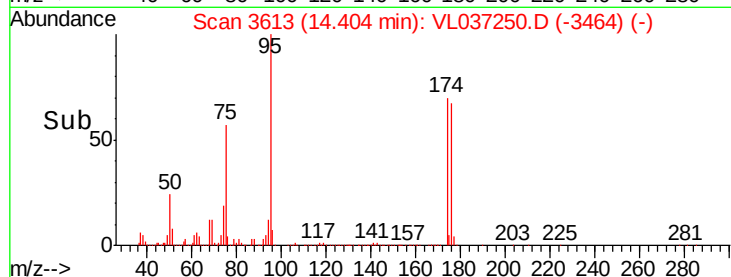
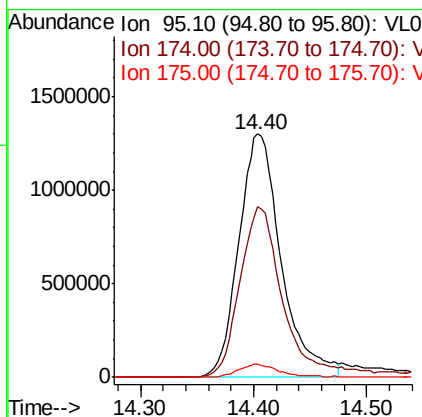
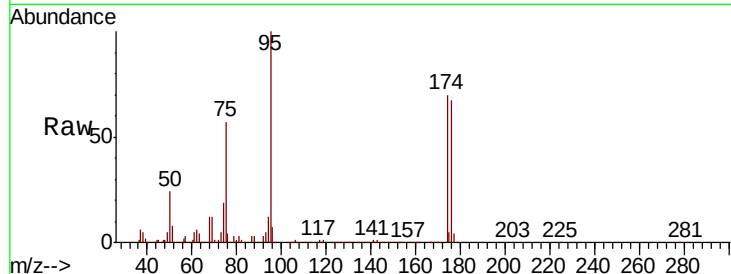
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.747 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. -0.02 min
 Lab File: VL037250.D
 Acq: 29 Jun 2021 15:41

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Tot Ion: 95 Resp: 3399616
 Ion Ratio Lower Upper
 95 100
 174 75.3 57.0 85.4
 175 5.6 4.4 6.6

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#74
 1,2,4-Trimethylbenzene
 Concen: 0.107 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. -0.03 min
 Lab File: VL037250.D
 Acq: 29 Jun 2021 15:41

Tgt Ion: 105 Resp: 61916
 Ion Ratio Lower Upper
 105 100
 120 40.8 39.8 59.8
 91 10.5 37.0 55.4#
 77 11.7 17.0 25.4#

