

Data File : VL035661.D
Acq On : 17 Sep 2020 18:06
Operator : SY/AP
Sample : L4016-01DL2 200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL2

Quant Time: Sep 18 02:32:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1162286	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4480922	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4451510	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3269812	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	16946	0.342	ppbv #	78
15) Acetone	3.86	43	269797	2.105	ppbv	96
16) 1,3-Butadiene	3.30	39	9938	0.208	ppbv #	6
20) Methylene Chloride	4.35	84	21451	0.225	ppbv	96
29) Chloroform	5.75	83	33869	0.130	ppbv	92
31) cis-1,2-Dichloroethene	5.55	61	7329	0.056	ppbv #	78
38) Trichloroethene	7.84	130	104252	0.619	ppbv	97
39) 1,2-Dichloropropane	7.18	63	870135	8.880	ppbv #	32
44) 2,2,4-Trimethylpentane	7.88	57	135010	0.354	ppbv #	93
52) Tetrachloroethene	11.24	164	4812109	28.398	ppbv	89
53) Toluene	9.82	91	17702	0.049	ppbv	94

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

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Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

SV-13DL2

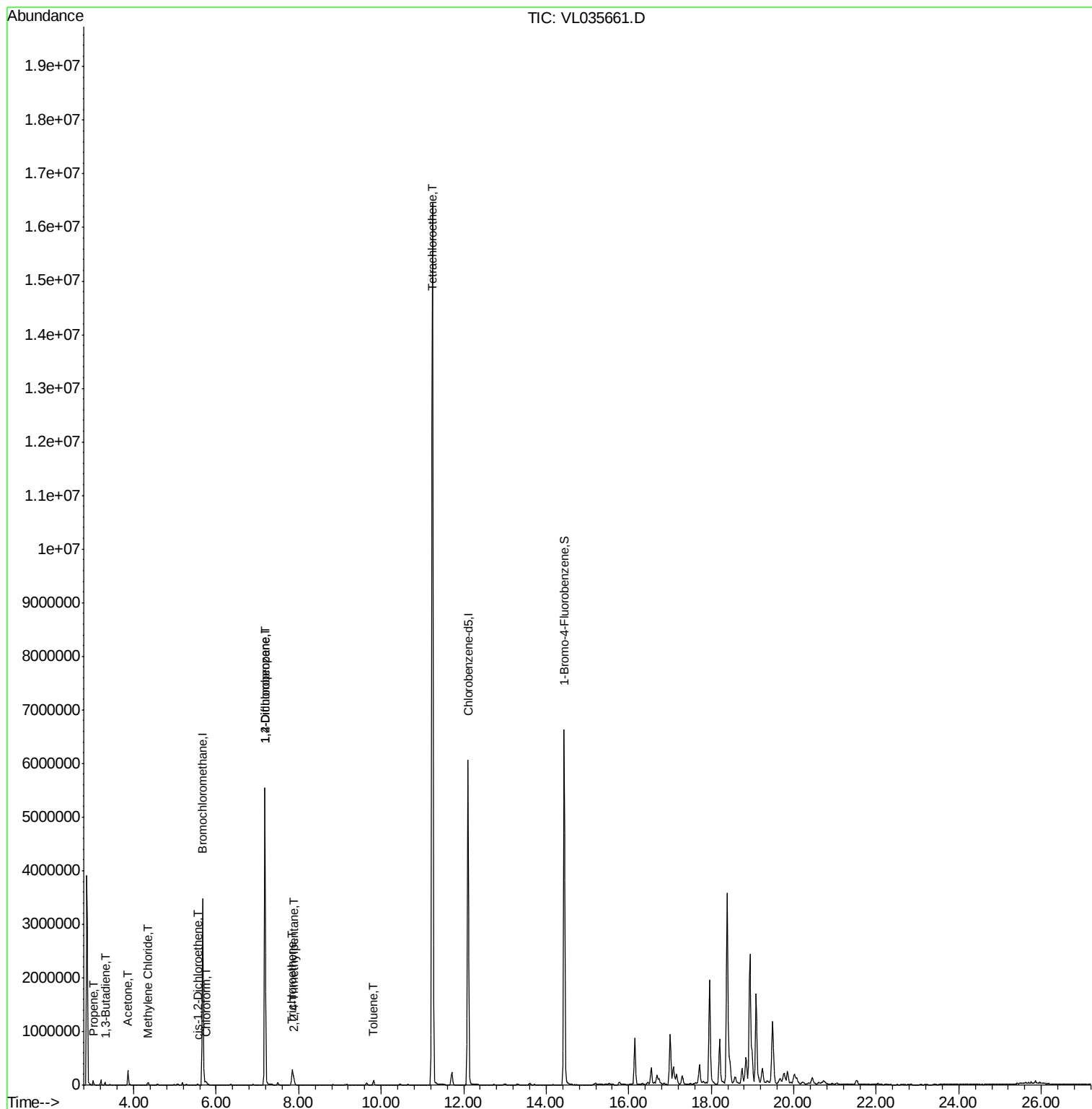
Quant Time: Sep 18 02:32:41 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020

QLast Update : Mon Sep 14 15:19:50 2020

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

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SV-13DL2

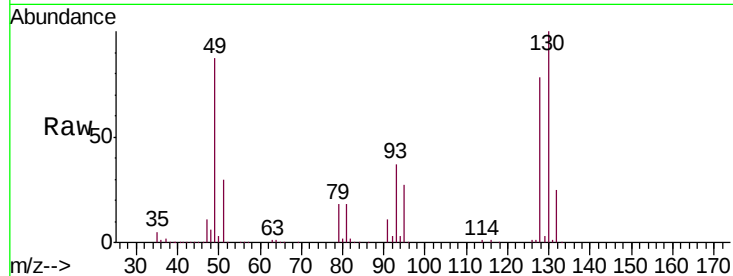
Tgt Ion: 49 Resp: 1162286

Ion Ratio Lower Upper

49 100

128 88.0 50.0 150.1

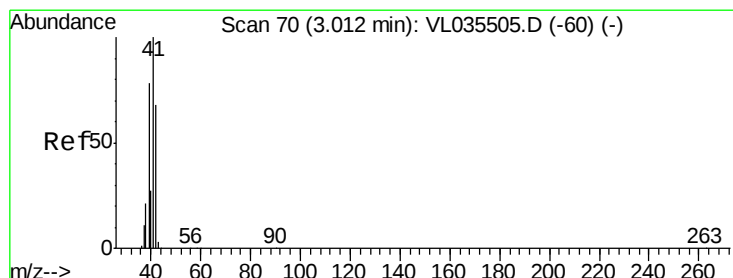
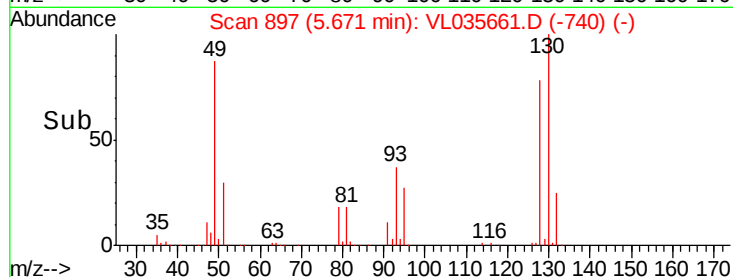
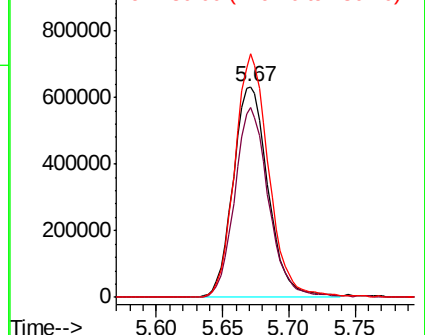
130 113.3 64.4 193.2



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



#9

Propene

Concen: 0.342 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL035661.D

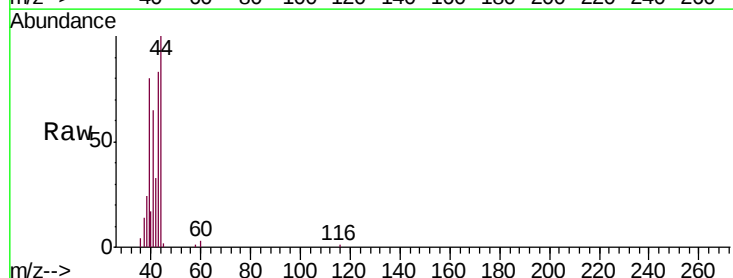
Acq: 17 Sep 2020 18:06

Tgt Ion: 41 Resp: 16946

Ion Ratio Lower Upper

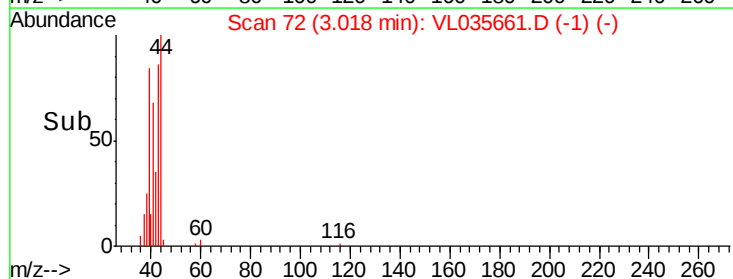
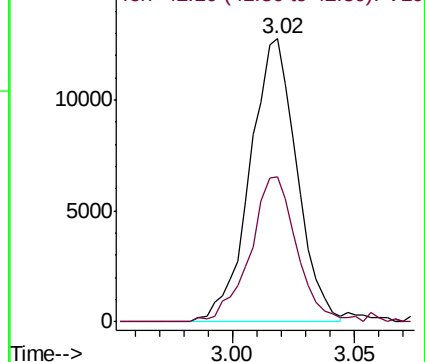
41 100

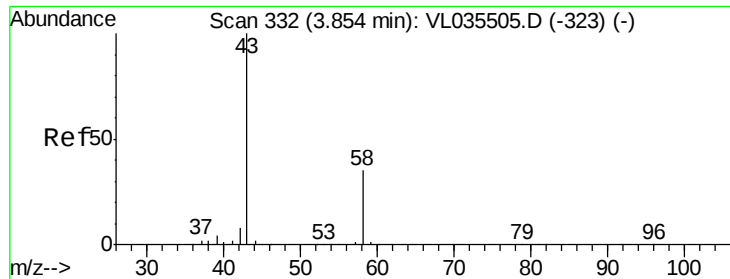
42 52.2 56.3 84.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 2.105 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL035661.D

Acq: 17 Sep 2020 18:06

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ClientSampleId :

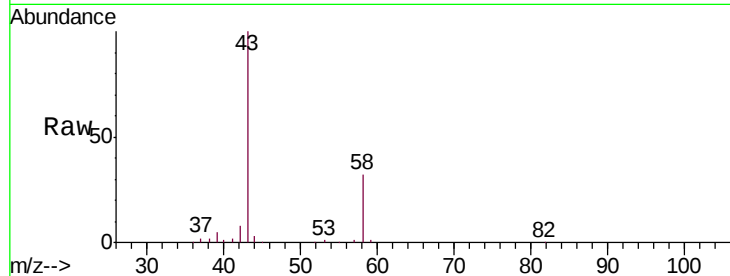
SV-13DL2

Tgt Ion: 43 Resp: 269797

Ion Ratio Lower Upper

43 100

58 37.7 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

200000

150000

100000

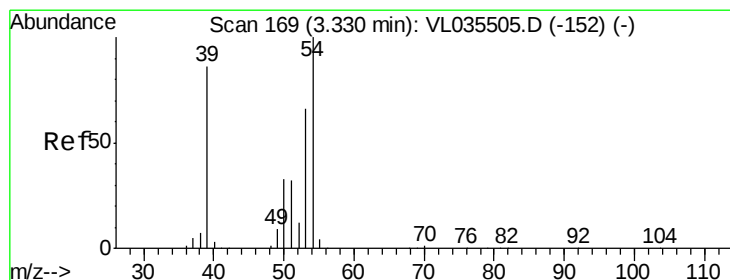
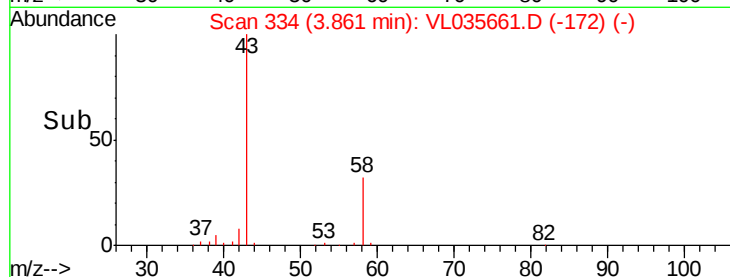
50000

0

3.86

3.80 3.85 3.90

Time-->



#16

1,3-Butadiene

Concen: 0.208 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.01 min

Lab File: VL035661.D

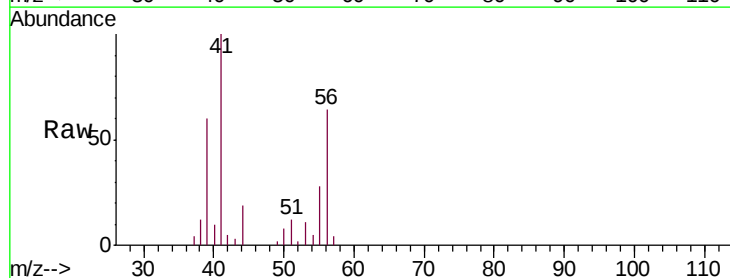
Acq: 17 Sep 2020 18:06

Tgt Ion: 39 Resp: 9938

Ion Ratio Lower Upper

39 100

54 10.7 88.4 132.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

10000

8000

6000

4000

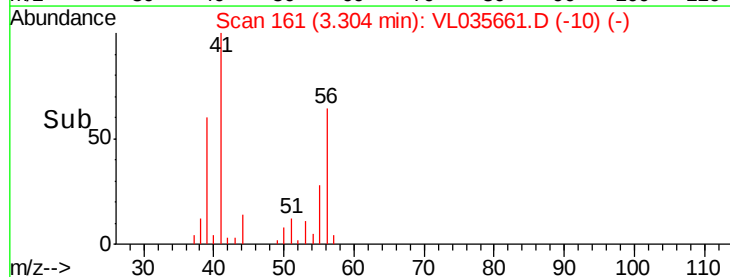
2000

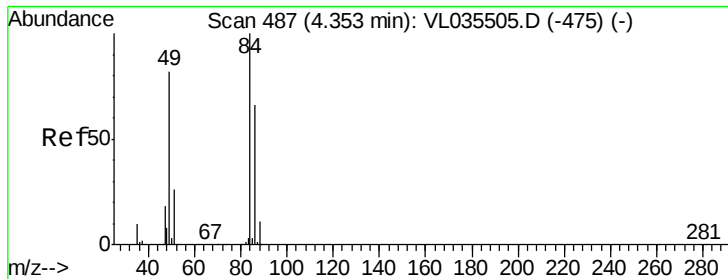
0

3.30

3.26 3.28 3.30 3.32 3.34

Time-->

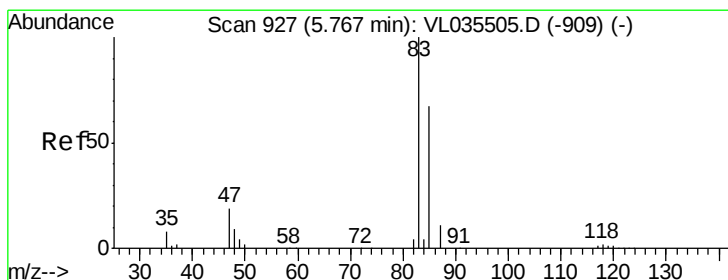
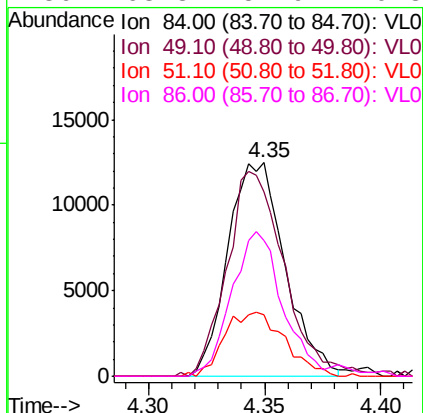
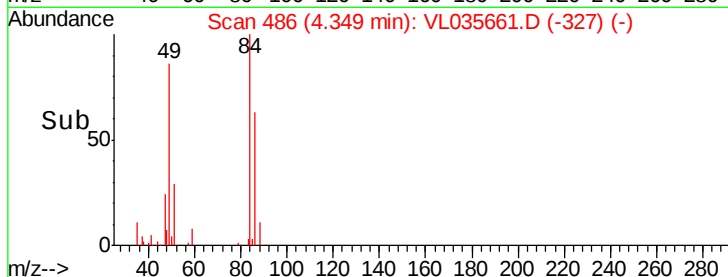
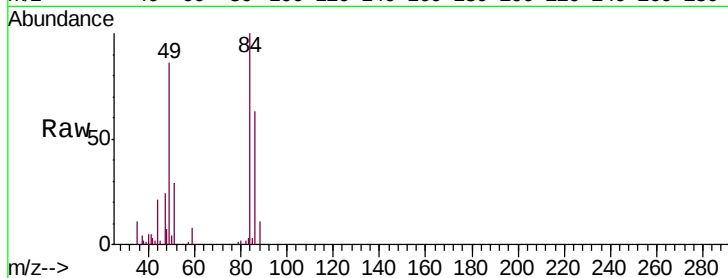




#20
Methylene Chloride
Concen: 0.225 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL035661.D
Acq: 17 Sep 2020 18:06

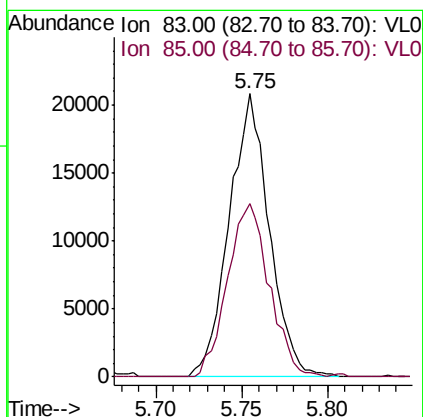
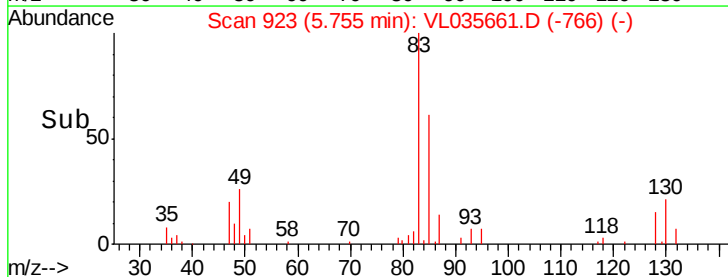
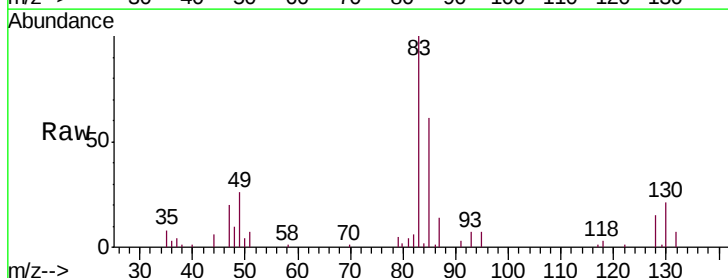
Instrument :
MSVOA_L
ClientSampleId :
SV-13DL2

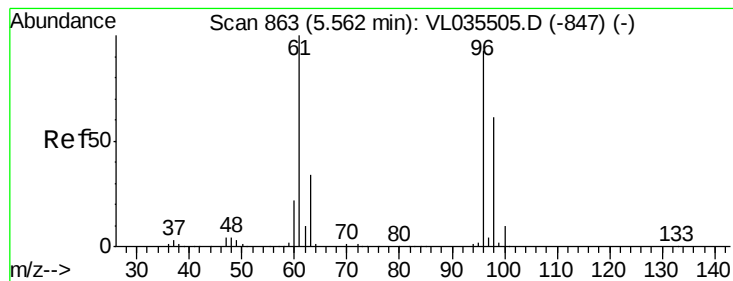
Tgt Ion:	84	Resp:	21451
Ion	Ratio	Lower	Upper
84	100		
49	86.3	65.4	98.0
51	28.8	21.5	32.3
86	63.3	52.9	79.3



#29
Chloroform
Concen: 0.130 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.01 min
Lab File: VL035661.D
Acq: 17 Sep 2020 18:06

Tgt Ion:	83	Resp:	33869
Ion	Ratio	Lower	Upper
83	100		
85	61.2	53.9	80.9



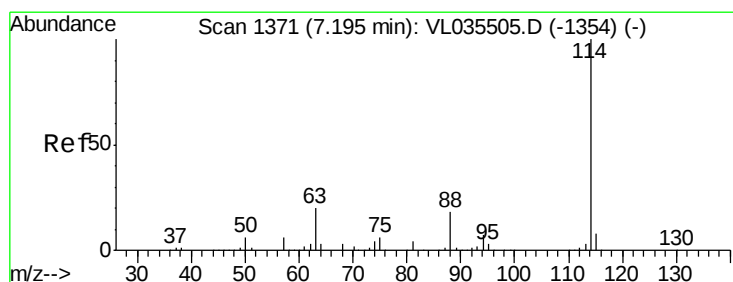
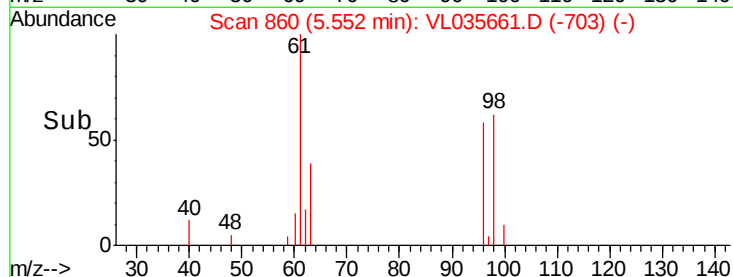
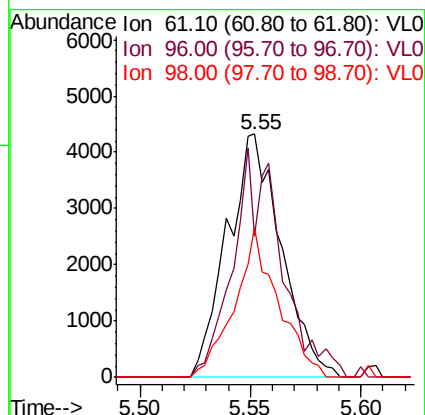
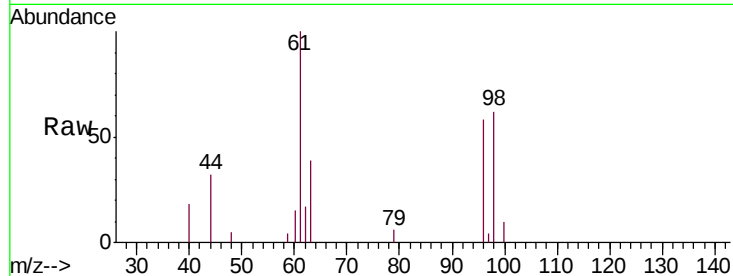


#31

cis-1,2-Dichloroethene
 Concen: 0.056 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VL035661.D
 Acq: 17 Sep 2020 18:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-13DL2

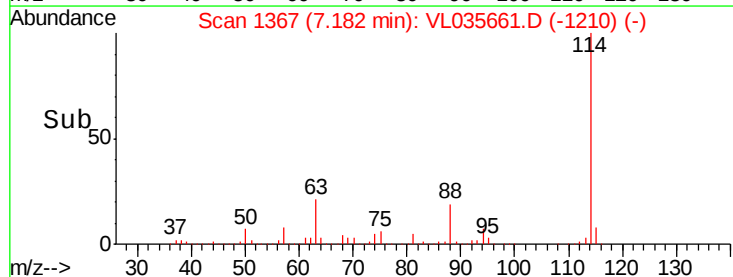
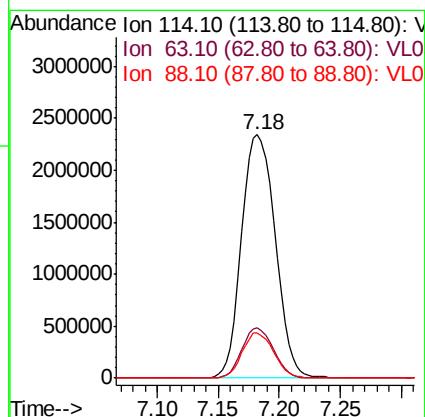
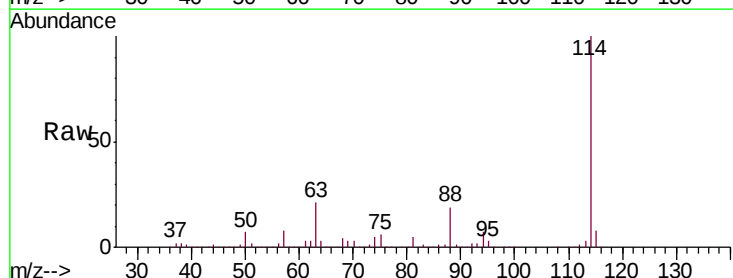
Tgt Ion: 61 Resp: 7329
 Ion Ratio Lower Upper
 61 100
 96 58.1 74.4 111.6#
 98 61.8 49.2 73.8

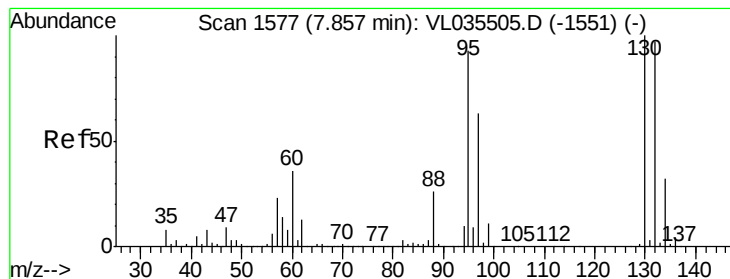


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL035661.D
 Acq: 17 Sep 2020 18:06

Tgt Ion: 114 Resp: 4480922
 Ion Ratio Lower Upper
 114 100
 63 19.5 14.7 22.1
 88 17.4 13.4 20.2





#38

Trichloroethene

Concen: 0.619 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VL035661.D

Acq: 17 Sep 2020 18:06

Instrument :

MSVOA_L

ClientSampleId :

SV-13DL2

Tgt Ion: 130 Resp: 104252

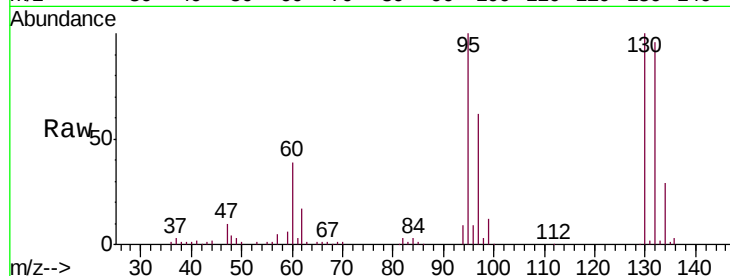
Ion Ratio Lower Upper

130 100

95 99.7 74.6 112.0

132 96.0 77.6 116.4

97 62.2 50.6 76.0

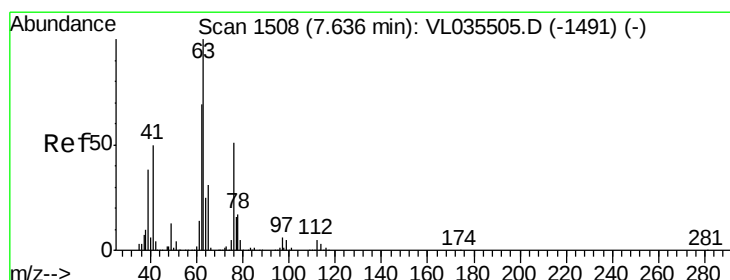
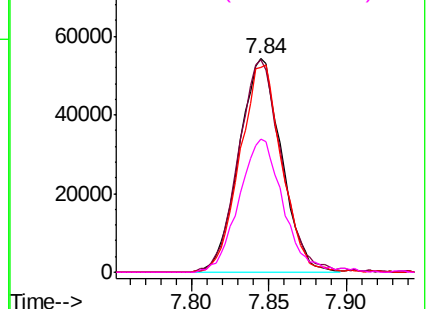
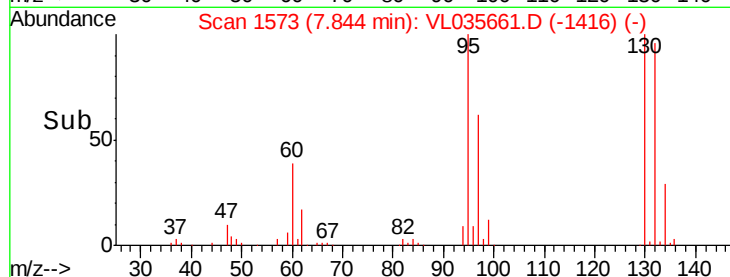


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 8.880 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.43 min

Lab File: VL035661.D

Acq: 17 Sep 2020 18:06

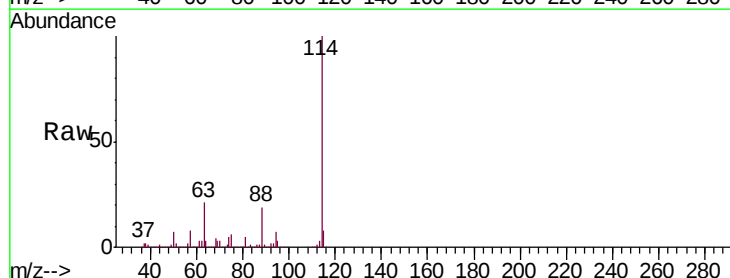
Tgt Ion: 63 Resp: 870135

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

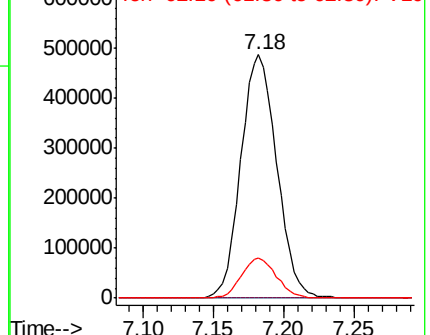
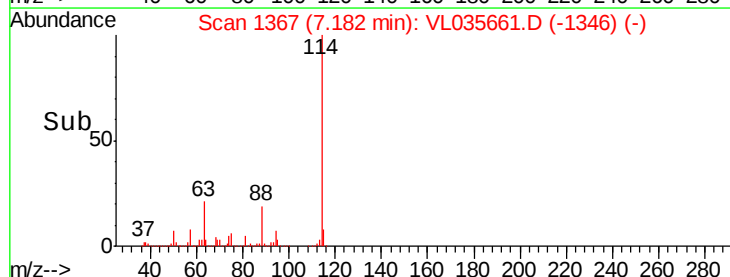
62 16.6 55.4 83.0#

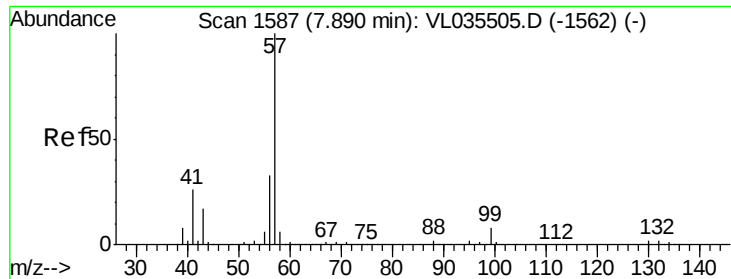


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.354 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VL035661.D

Acq: 17 Sep 2020 18:06

Instrument :

MSVOA_L

ClientSampleId :

SV-13DL2

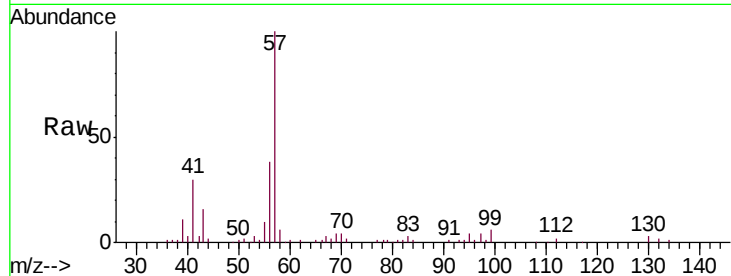
Tgt Ion: 57 Resp: 135010

Ion Ratio Lower Upper

57 100

41 30.9 20.5 30.7#

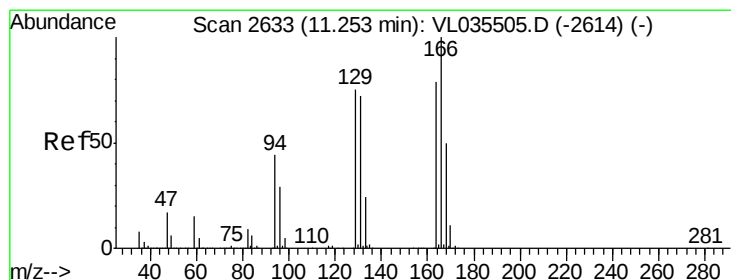
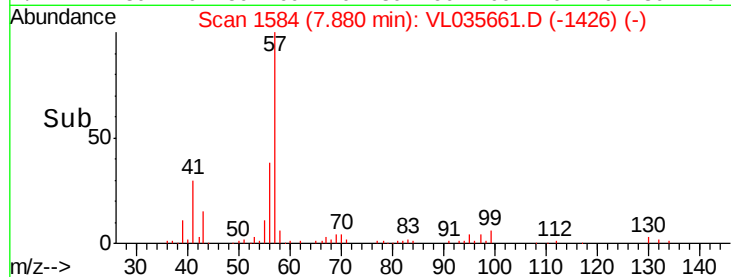
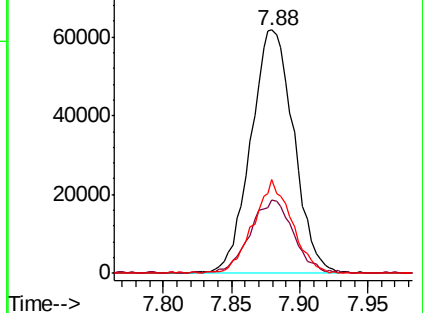
56 34.4 25.3 37.9



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#52

Tetrachloroethene

Concen: 28.398 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. 0.01 min

Lab File: VL035661.D

Acq: 17 Sep 2020 18:06

Tgt Ion: 164 Resp: 4812109

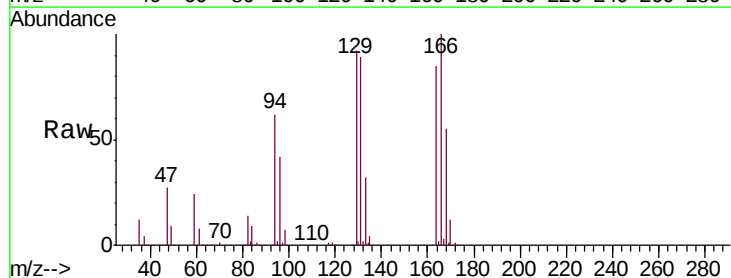
Ion Ratio Lower Upper

164 100

166 117.3 100.9 151.3

129 107.6 75.3 112.9

131 104.4 73.0 109.4

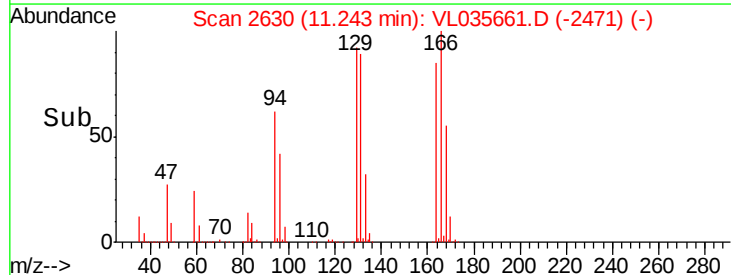
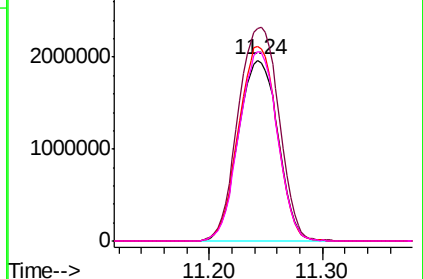


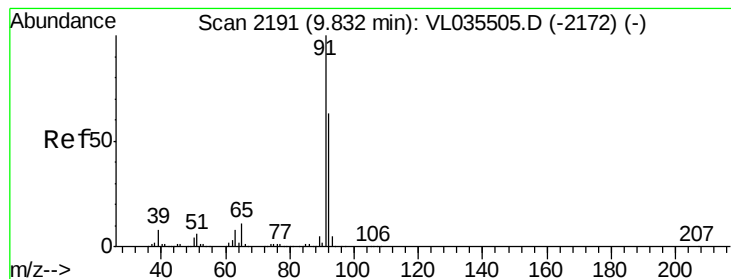
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.049 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.01 min

Lab File: VL035661.D

Acq: 17 Sep 2020 18:06

Instrument :

MSVOA_L

ClientSampleId :

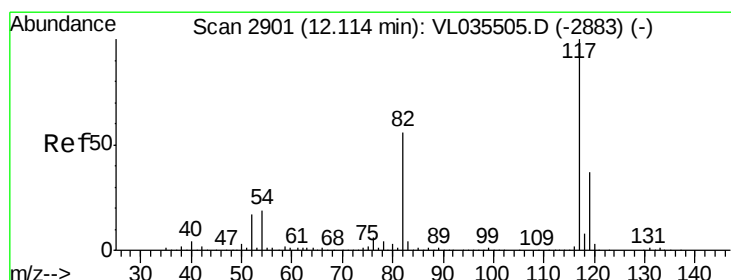
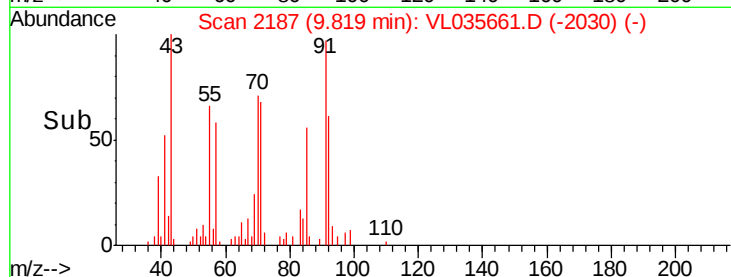
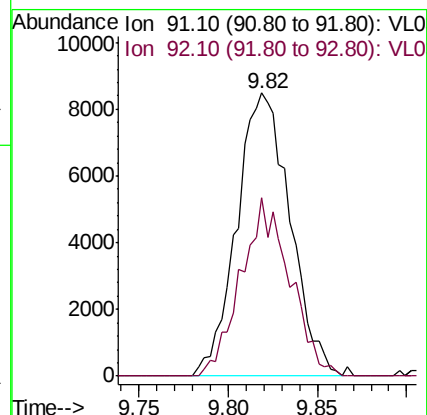
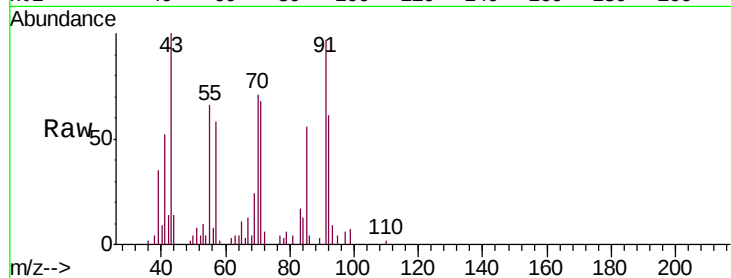
SV-13DL2

Tgt Ion: 91 Resp: 17702

Ion Ratio Lower Upper

91 100

92 57.5 49.8 74.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL035661.D

Acq: 17 Sep 2020 18:06

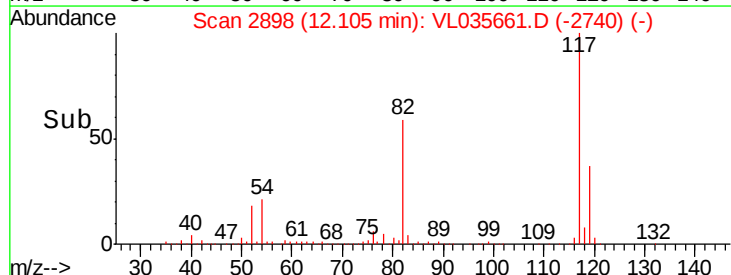
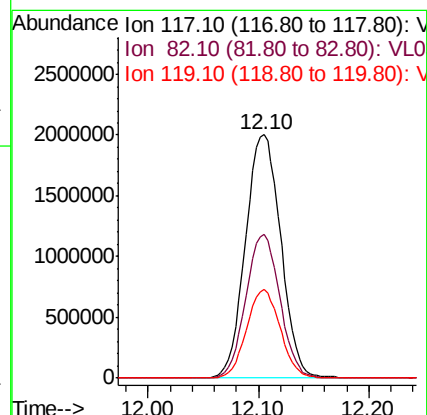
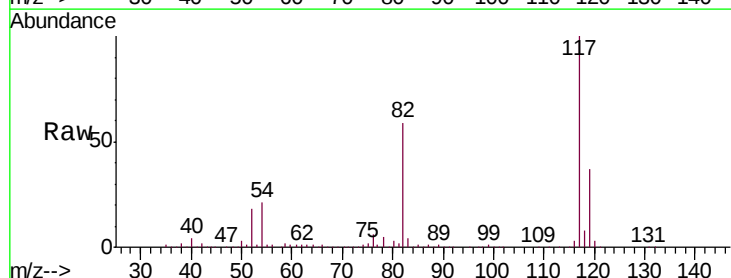
Tgt Ion: 117 Resp: 4451510

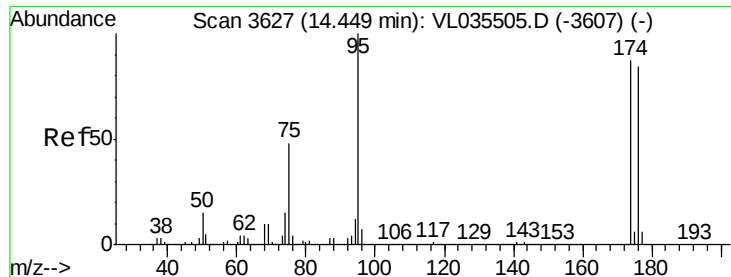
Ion Ratio Lower Upper

117 100

82 57.3 41.6 62.4

119 34.8 29.3 43.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.343 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. 0.01 min
 Lab File: VL035661.D
 Acq: 17 Sep 2020 18:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-13DL2

Tgt Ion: 95 Resp: 3269812
 Ion Ratio Lower Upper
 95 100
 174 78.2 69.6 104.4
 175 5.6 5.1 7.7

