

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121620\
 Data File : VL036181.D
 Acq On : 17 Dec 2020 00:28
 Operator : SY/AP
 Sample : L5084-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 03:42:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1506579	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2932250	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	2647178	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2366421	11.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.60%

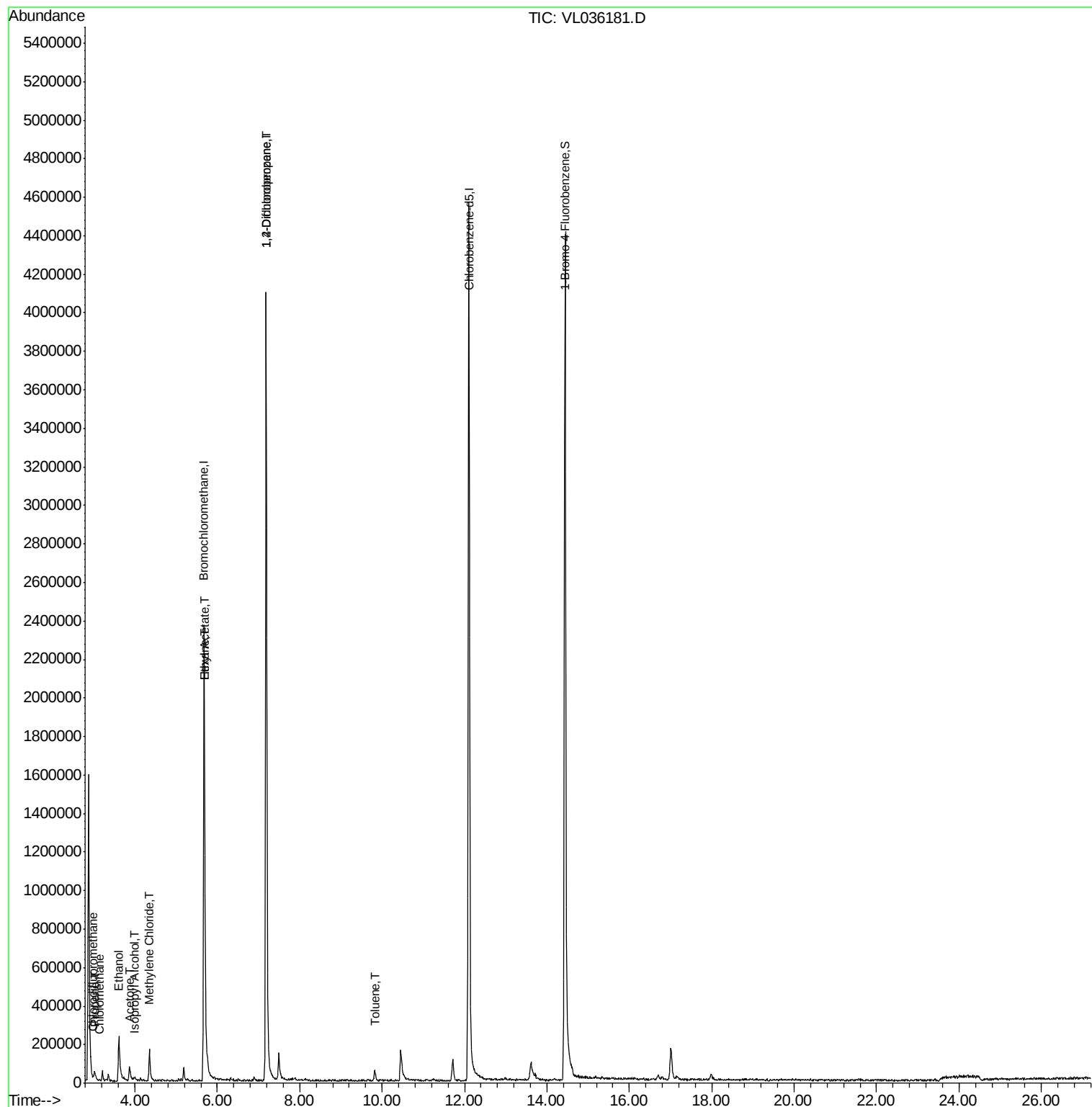
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	24497	0.143	ppbv #	82
4) Chloromethane	3.14	50	3711	0.044	ppbv #	83
9) Propene	3.01	41	3890	0.045	ppbv #	14
13) Ethanol	3.61	45	337470	28.429	ppbv	86
15) Acetone	3.86	43	33038	0.182	ppbv #	49
19) Isopropyl Alcohol	3.98	45	5162	0.047	ppbv #	100
20) Methylene Chloride	4.35	84	55790	0.752	ppbv	97
25) Ethyl Acetate	5.70	43	71119	0.197	ppbv #	82
26) Hexane	5.70	57	77984	0.479	ppbv #	37
39) 1,2-Dichloropropane	7.19	63	979905	9.985	ppbv #	25
53) Toluene	9.82	91	15027	0.054	ppbv #	1

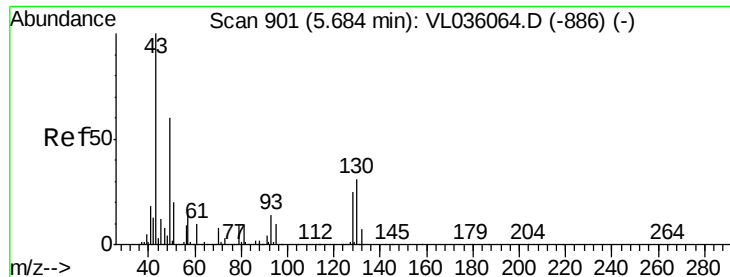
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121620\
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Quant Time: Dec 17 03:42:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL036181.D

Acq: 17 Dec 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

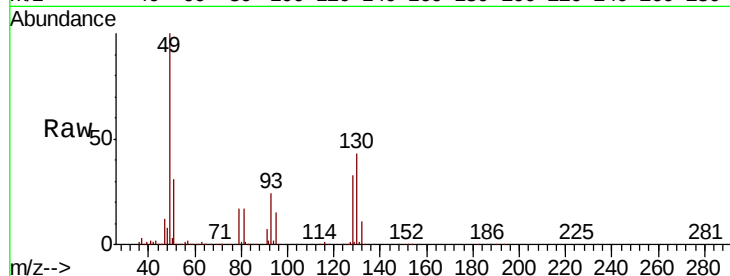
Tot Ion: 49 Resp: 1506579

Ion Ratio Lower Upper

49 100

128 35.1 21.1 63.1

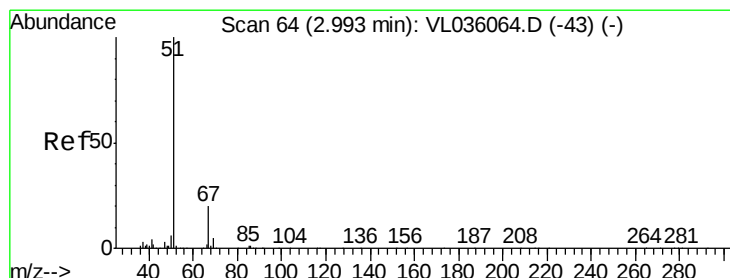
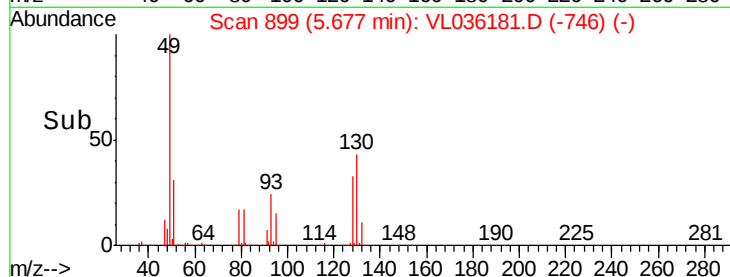
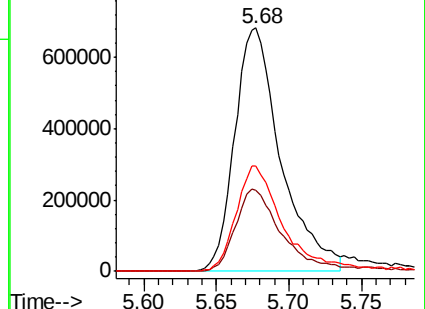
130 46.4 27.1 81.3



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



#3

Chlorodifluoromethane

Concen: 0.143 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036181.D

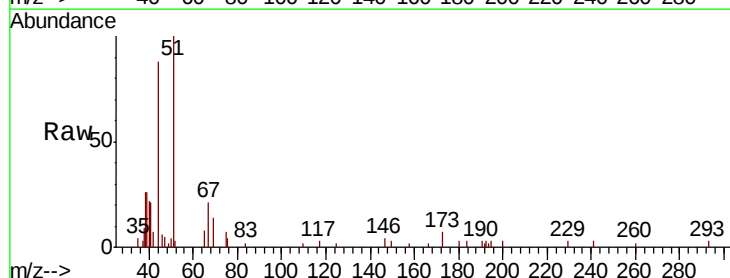
Acq: 17 Dec 2020 00:28

Tgt Ion: 51 Resp: 24497

Ion Ratio Lower Upper

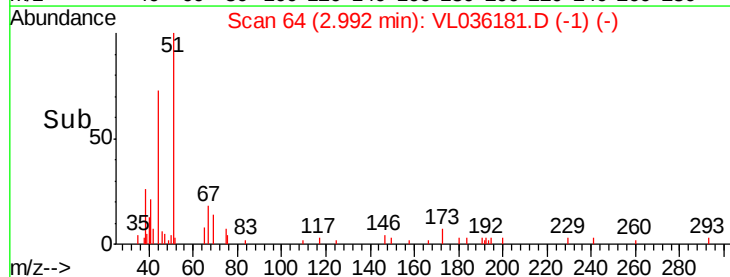
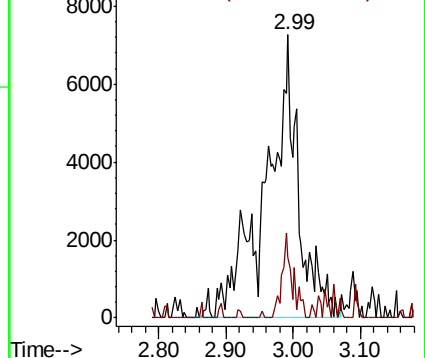
51 100

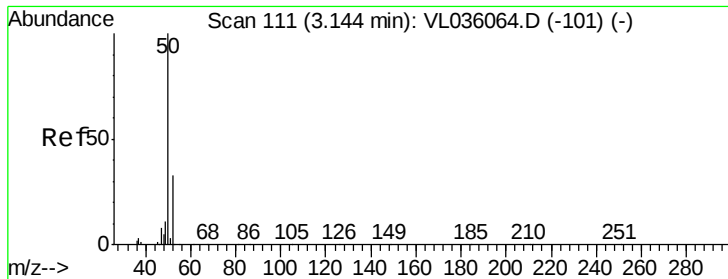
67 9.8 14.3 21.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.044 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL036181.D

Acq: 17 Dec 2020 00:28

Instrument :

MSVOA_L

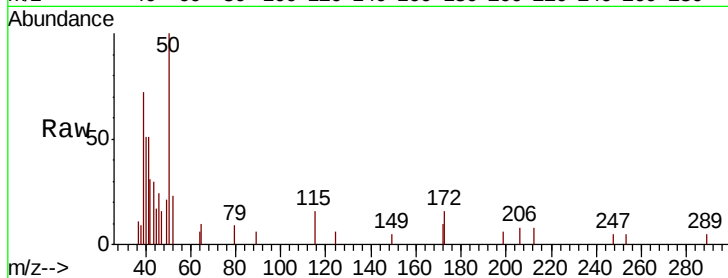
ClientSampleId :

Tot Ion: 50 Resp: 3711

Ion Ratio Lower Upper

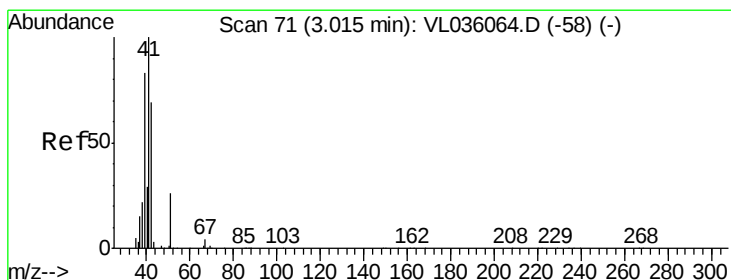
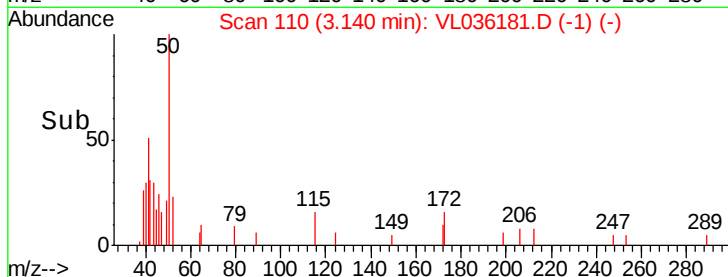
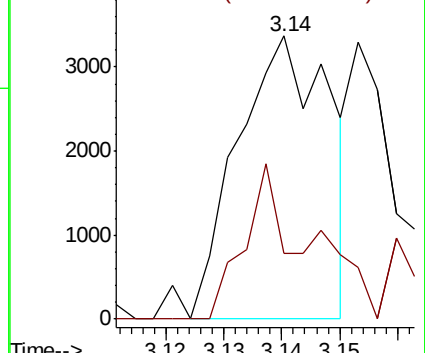
50 100

52 23.2 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.045 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VL036181.D

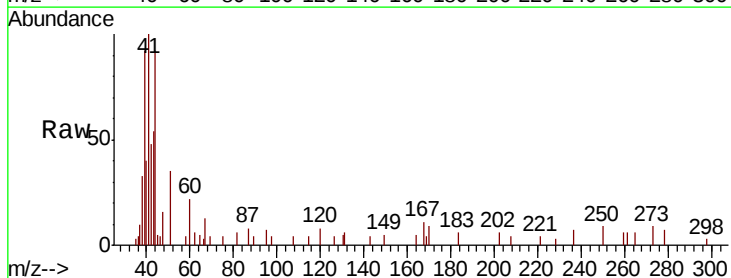
Acq: 17 Dec 2020 00:28

Tgt Ion: 41 Resp: 3890

Ion Ratio Lower Upper

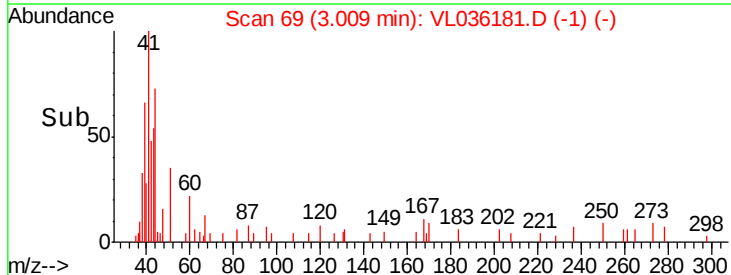
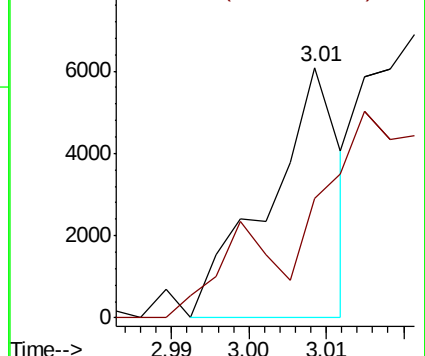
41 100

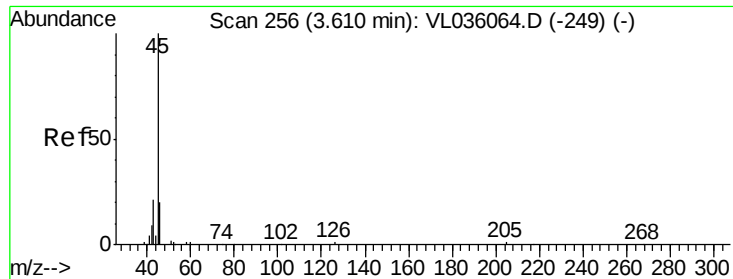
42 0.0 57.0 85.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 28.429 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL036181.D

Acq: 17 Dec 2020 00:28

Instrument :

MSVOA_L

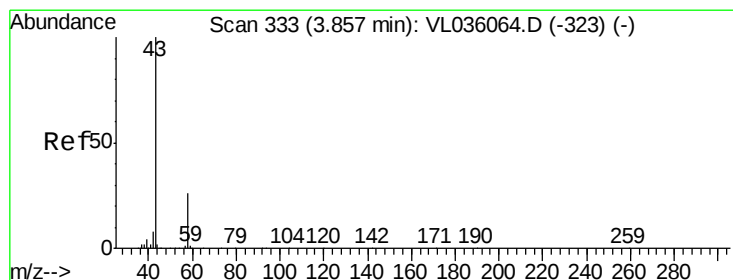
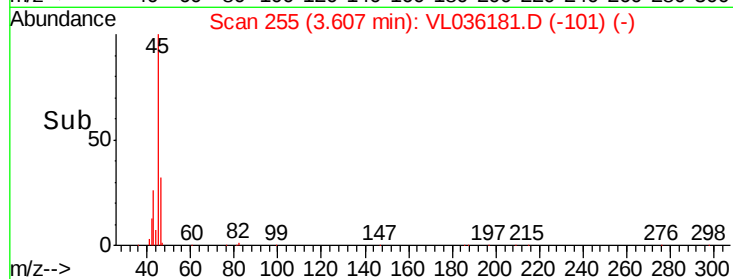
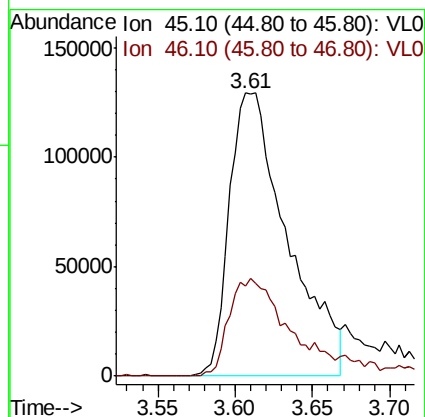
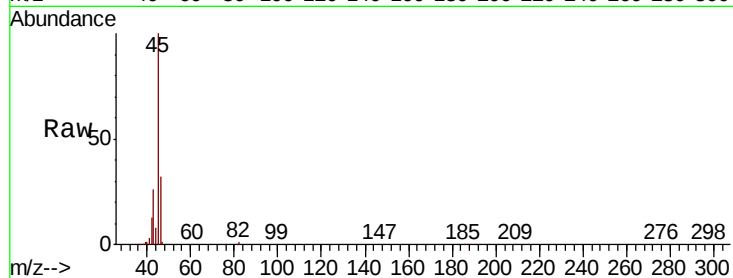
ClientSampled :

Tot Ion: 45 Resp: 337470

Ion Ratio Lower Upper

45 100

46 38.3 19.0 75.8



#15

Acetone

Concen: 0.182 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL036181.D

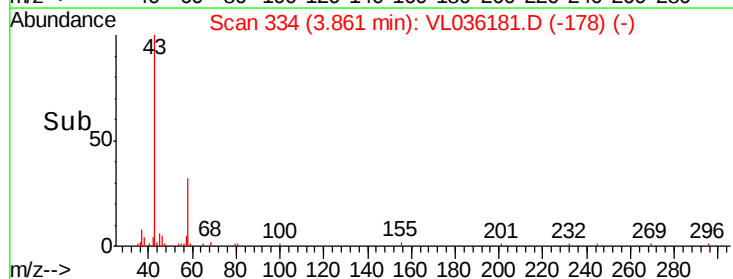
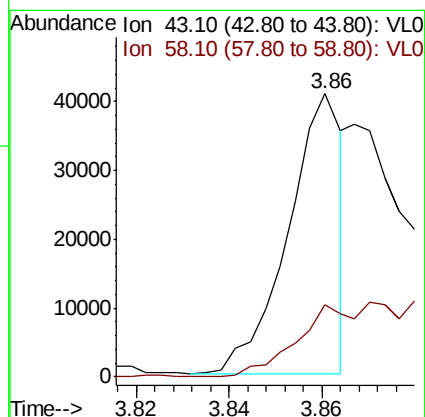
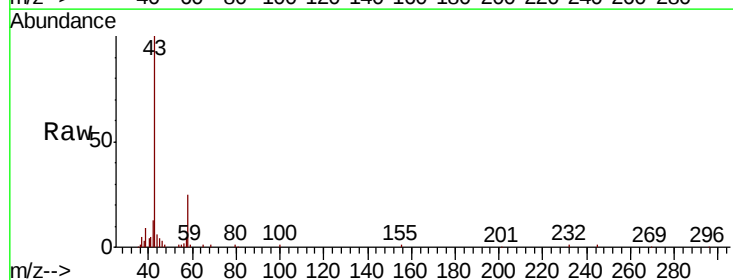
Acq: 17 Dec 2020 00:28

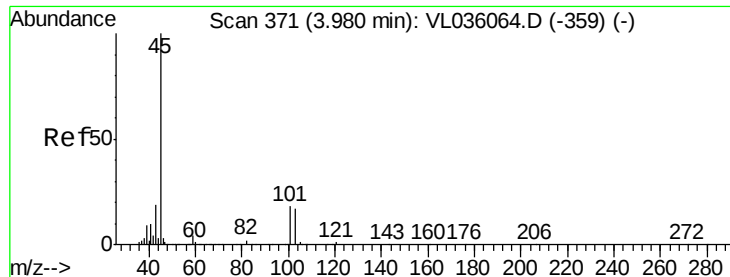
Tgt Ion: 43 Resp: 33038

Ion Ratio Lower Upper

43 100

58 0.0 20.9 31.3#





#19

Isopropyl Alcohol

Concen: 0.047 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.00 min

Lab File: VL036181.D

Acq: 17 Dec 2020 00:28

Instrument :

MSVOA_L

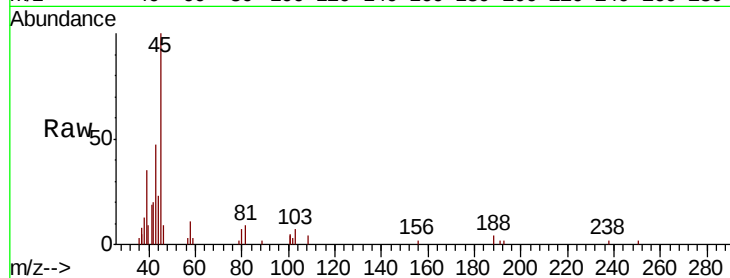
ClientSampleId :

Tot Ion: 45 Resp: 5162

Ion Ratio Lower Upper

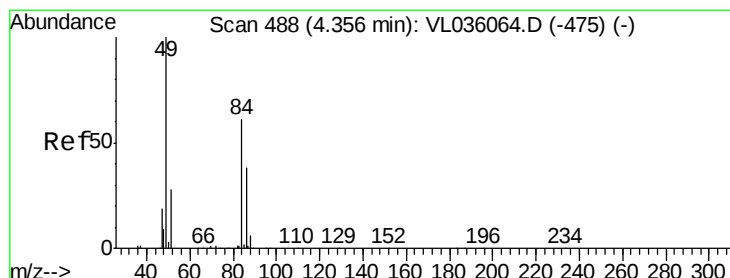
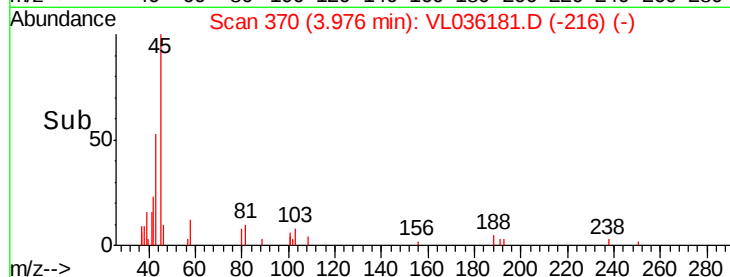
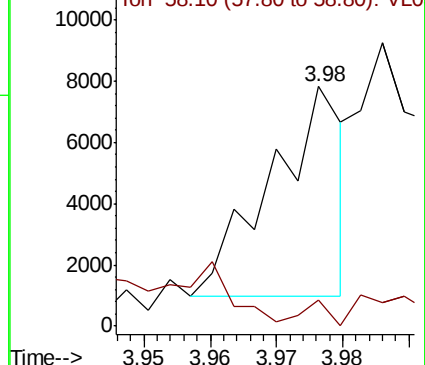
45 100

58 53.7 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.752 ppbv

RT: 4.35 min Scan# 487

Delta R.T. -0.00 min

Lab File: VL036181.D

Acq: 17 Dec 2020 00:28

Tgt Ion: 84 Resp: 55790

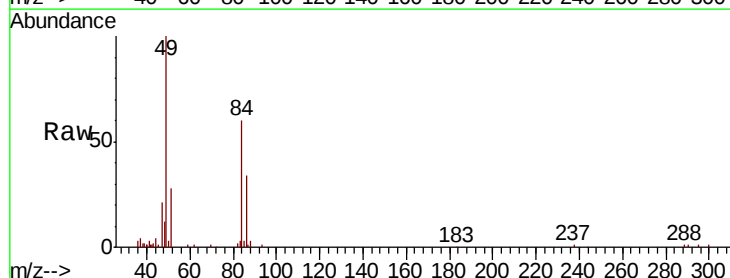
Ion Ratio Lower Upper

84 100

49 164.8 133.0 199.4

51 46.1 38.9 58.3

86 56.5 48.8 73.2

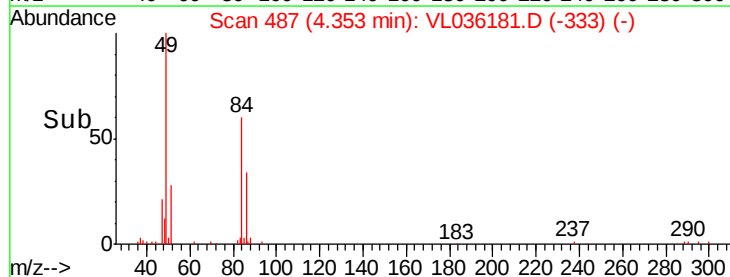
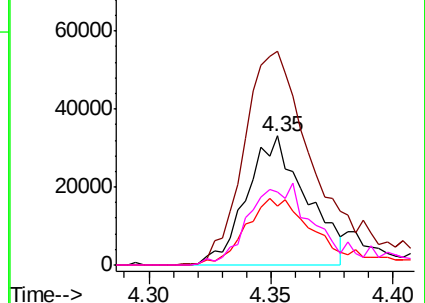


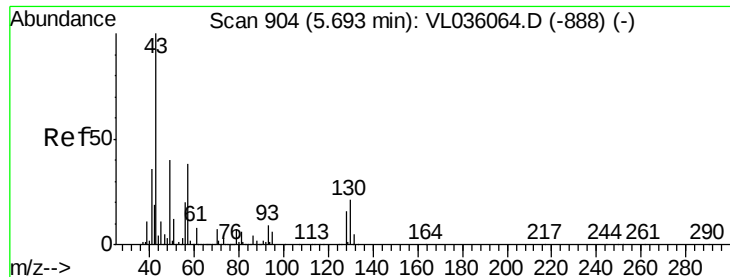
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

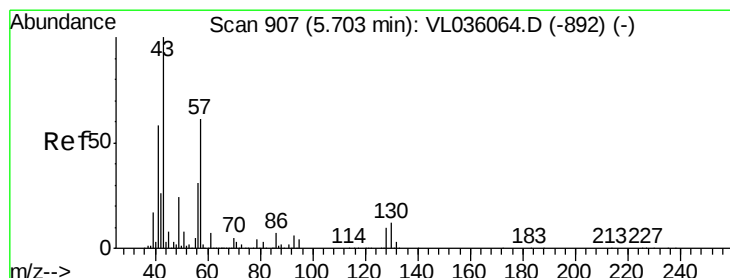
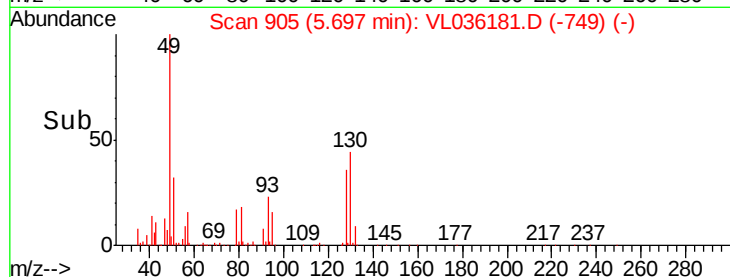
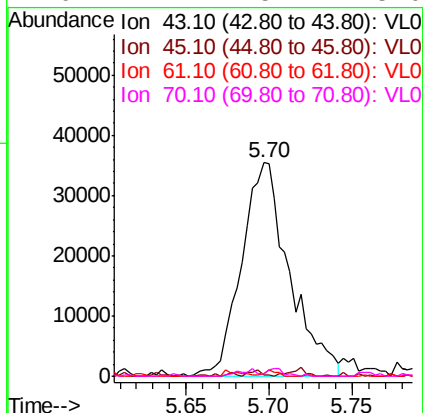
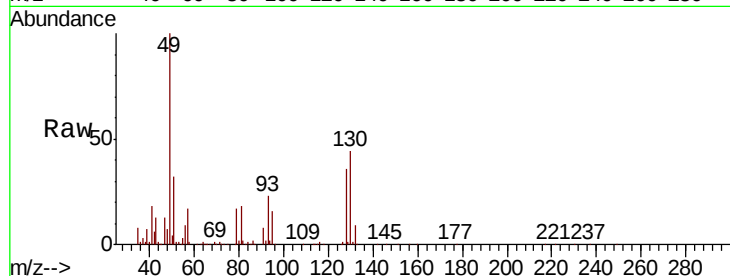




#25
Ethyl Acetate
Concen: 0.197 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL036181.D
Acq: 17 Dec 2020 00:28

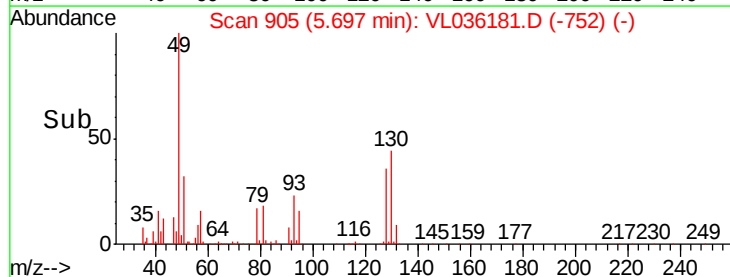
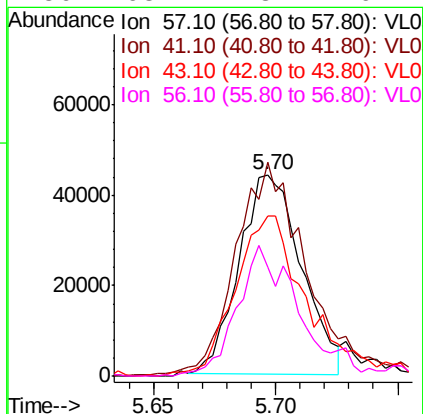
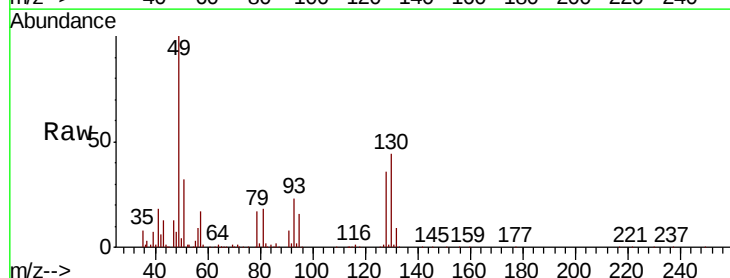
Instrument :
MSVOA_L
ClientSampled :

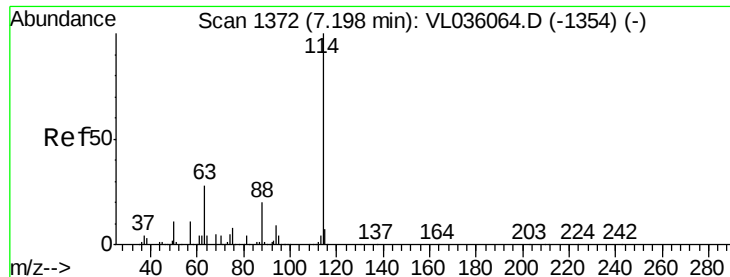
Tot Ion:	43	Resp:	71119
Ion	Ratio	Lower	Upper
43	100		
45	2.7	8.2	12.4#
61	1.7	7.4	11.2#
70	2.7	5.4	8.0#



#26
Hexane
Concen: 0.479 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL036181.D
Acq: 17 Dec 2020 00:28

Tgt Ion:	57	Resp:	77984
Ion	Ratio	Lower	Upper
57	100		
41	126.3	82.9	124.3#
43	94.7	199.9	299.9#
56	68.7	43.1	64.7#

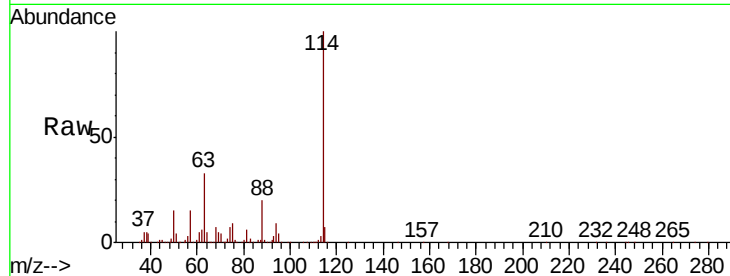




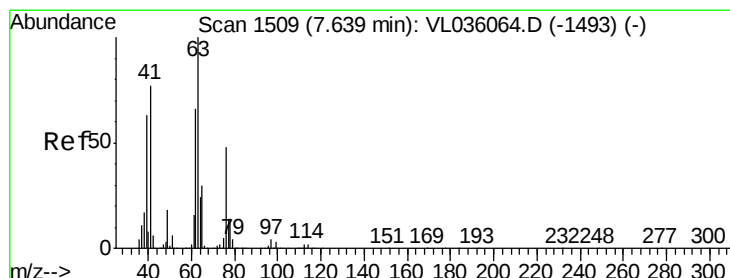
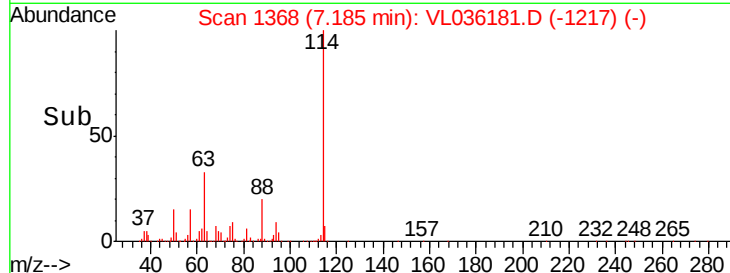
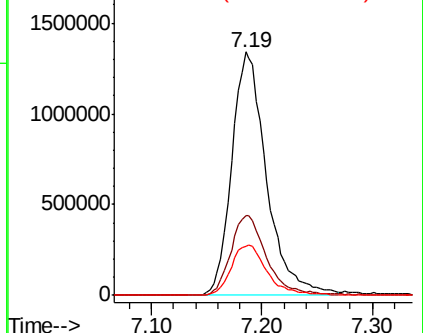
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VL036181.D
 Acq: 17 Dec 2020 00:28

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2932250
 Ion Ratio Lower Upper
 114 100
 63 34.2 23.6 35.4
 88 21.7 15.8 23.6

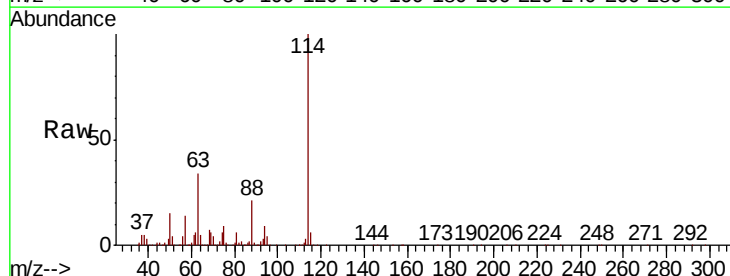


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

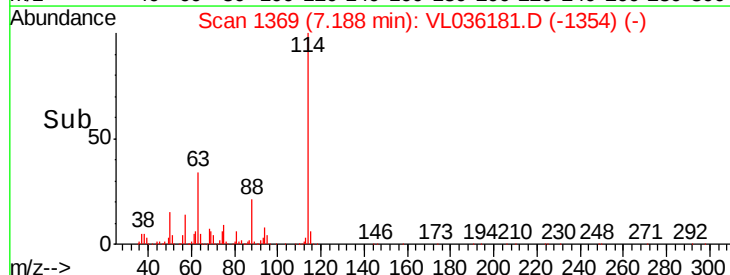
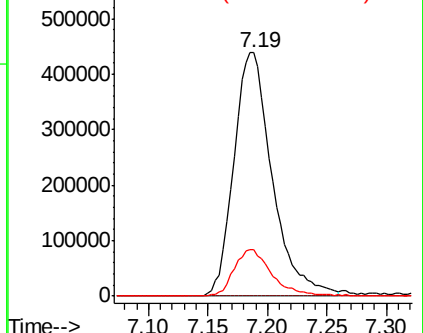


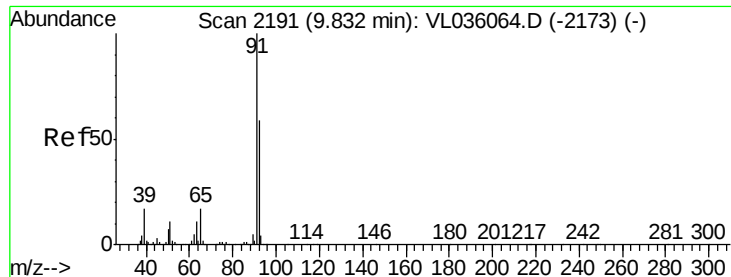
#39
 1,2-Dichloropropane
 Concen: 9.985 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.45 min
 Lab File: VL036181.D
 Acq: 17 Dec 2020 00:28

Tgt Ion: 63 Resp: 979905
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.9 92.9#
 62 18.8 52.5 78.7#



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





#53

Toluene

Concen: 0.054 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.01 min

Lab File: VL036181.D

Acq: 17 Dec 2020 00:28

Instrument :

MSVOA_L

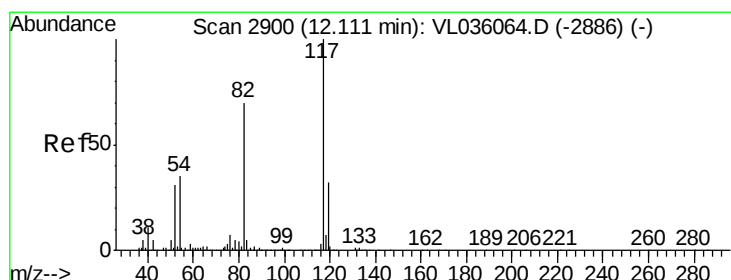
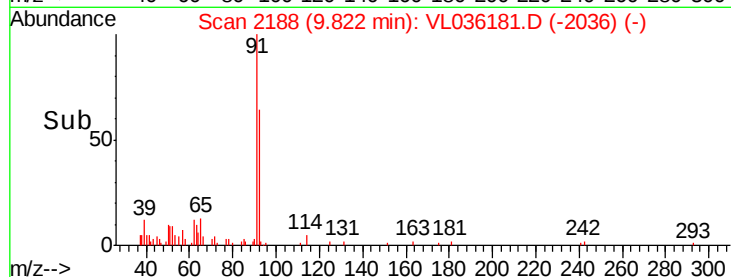
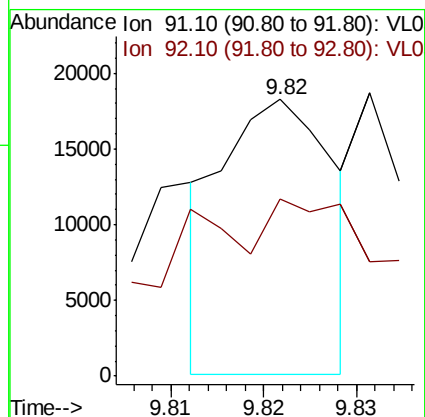
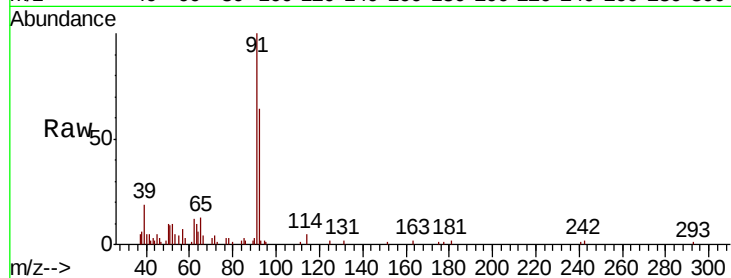
ClientSampleId :

Tot Ion: 91 Resp: 15027

Ion Ratio Lower Upper

91 100

92 169.1 48.2 72.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL036181.D

Acq: 17 Dec 2020 00:28

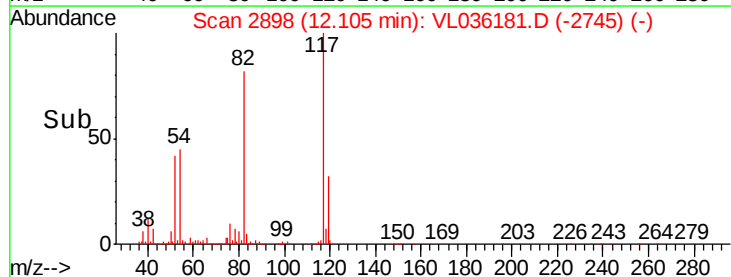
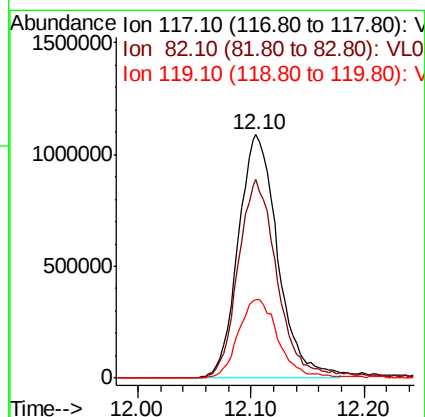
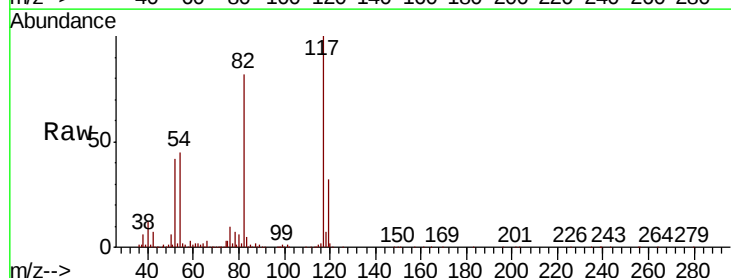
Tgt Ion: 117 Resp: 2647178

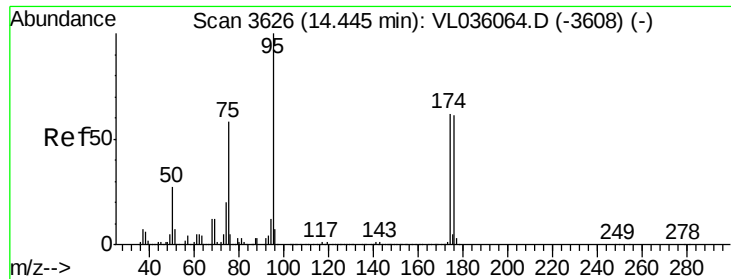
Ion Ratio Lower Upper

117 100

82 81.3 0.0 0.0#

119 33.2 0.0 0.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.258 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. -0.01 min
 Lab File: VL036181.D
 Acq: 17 Dec 2020 00:28

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 2366421
 Ion Ratio Lower Upper
 95 100
 174 54.2 50.7 76.1
 175 3.9 4.0 6.0#

