

Data File : VL034597.D
Acq On : 5 Feb 2020 2:27
Operator : SY/AP
Sample : L1391-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Quant Time: Feb 05 05:47:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	980656	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1993923	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2027036	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1732347	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	12552	0.058	ppbv	91
4) Chloromethane	3.11	50	3378	0.047	ppbv #	82
9) Propene	2.97	41	12302	0.267	ppbv #	1
15) Acetone	3.84	43	81924	0.568	ppbv	92
16) 1,3-Butadiene	3.30	39	1876	0.033	ppbv #	1
20) Methylene Chloride	4.33	84	22302	0.406	ppbv	89
26) Hexane	5.68	57	4791	0.049	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	596836	8.119	ppbv #	21

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

Data File : VL034597.D

Acq On : 5 Feb 2020 2:27

Operator : SY/AP

Sample : L1391-01DL 10X

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL

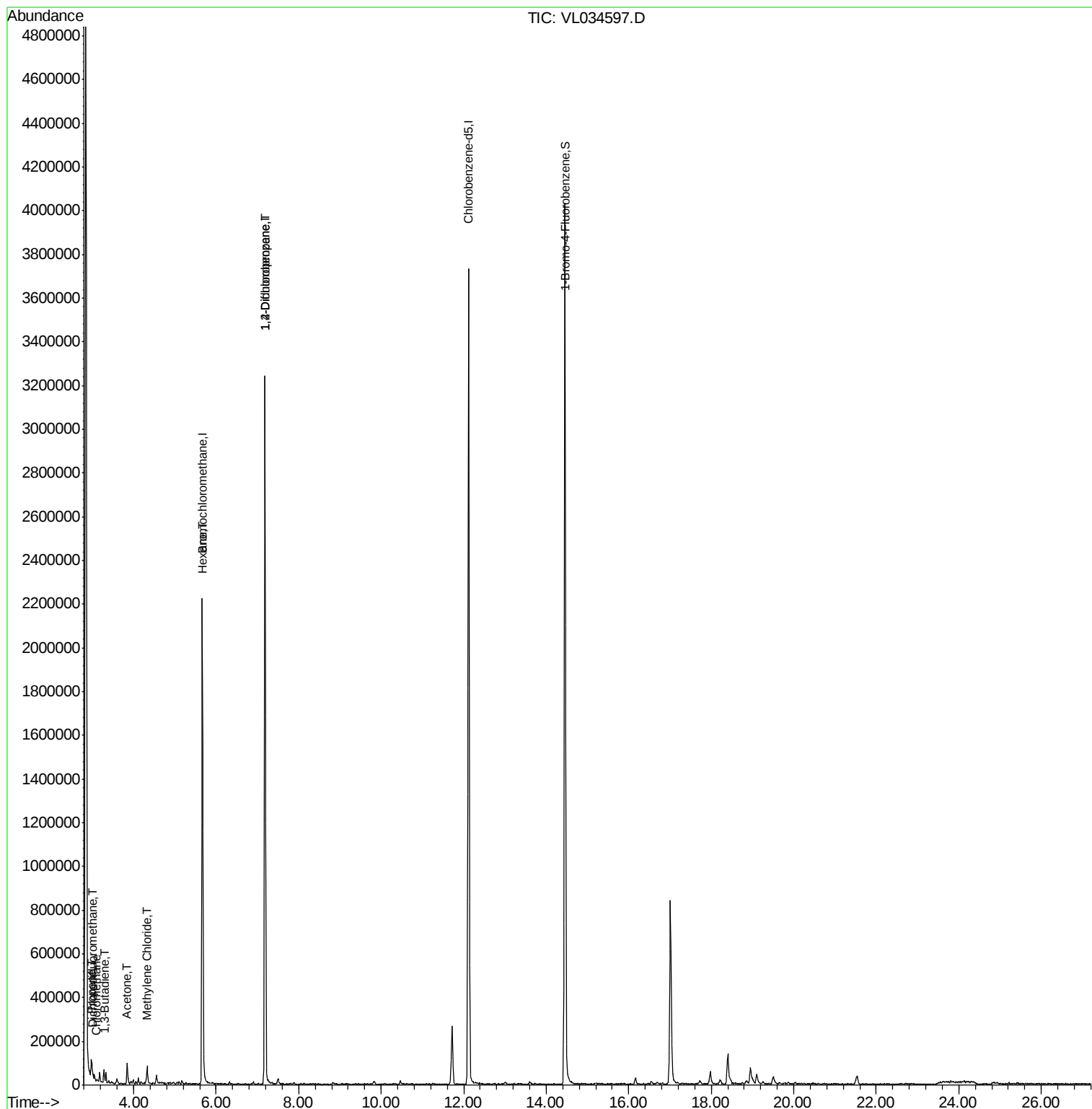
Quant Time: Feb 05 05:47:30 2020

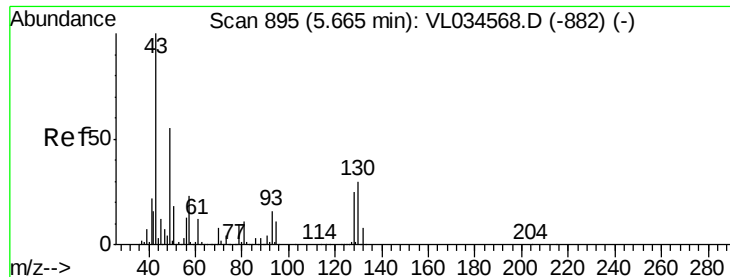
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020

QLast Update : Thu Jan 30 17:16:44 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL034597.D

Acq: 5 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL

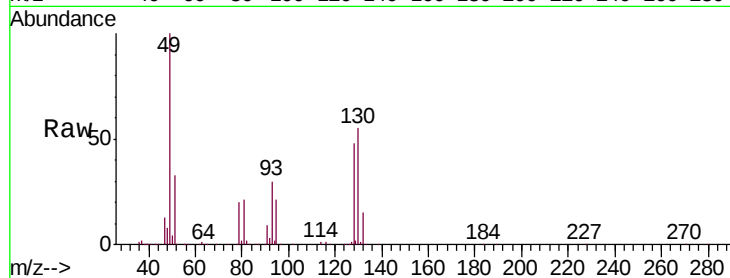
Tgt Ion: 49 Resp: 980656

Ion Ratio Lower Upper

49 100

128 46.5 22.7 68.1

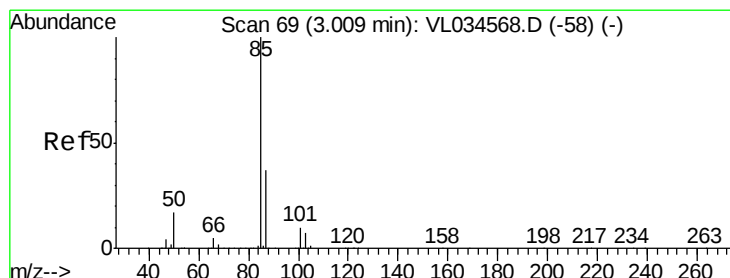
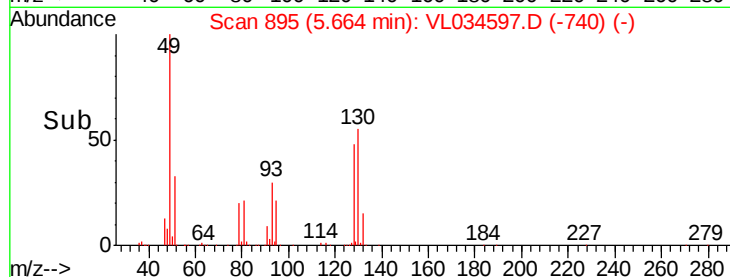
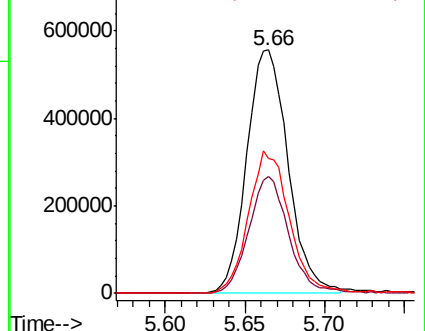
130 58.8 28.6 85.8



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



#2

Dichlorodifluoromethane

Concen: 0.058 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL034597.D

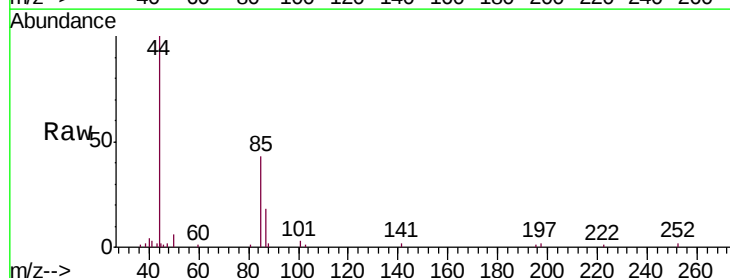
Acq: 5 Feb 2020 2:27

Tgt Ion: 85 Resp: 12552

Ion Ratio Lower Upper

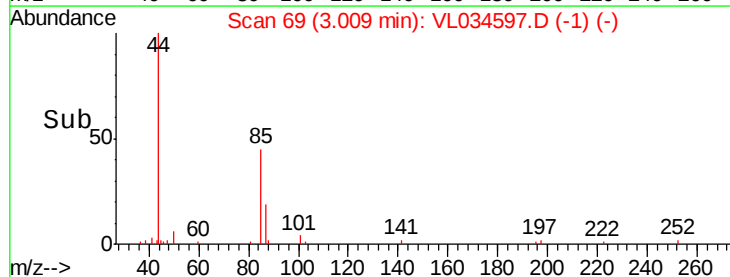
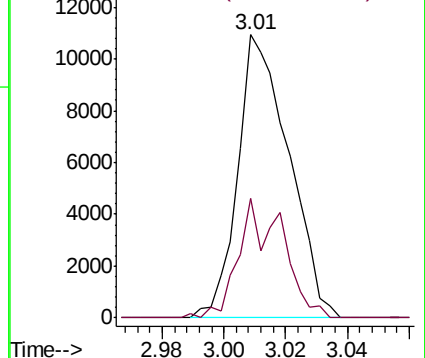
85 100

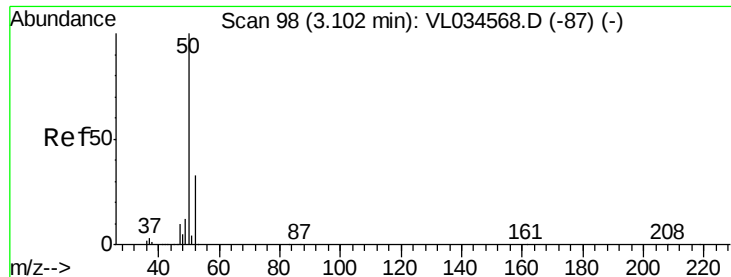
87 42.2 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.047 ppbv

RT: 3.11 min Scan# 101

Delta R.T. 0.01 min

Lab File: VL034597.D

Acq: 5 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampled :

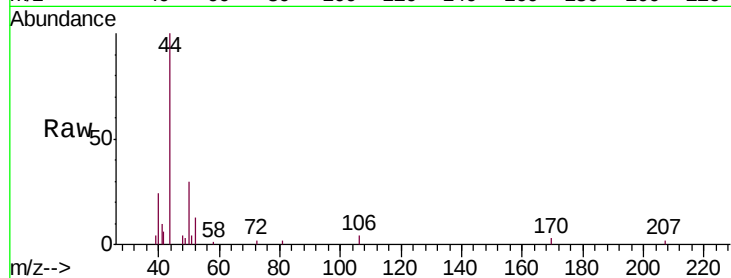
SV-1DL

Tgt Ion: 50 Resp: 3378

Ion Ratio Lower Upper

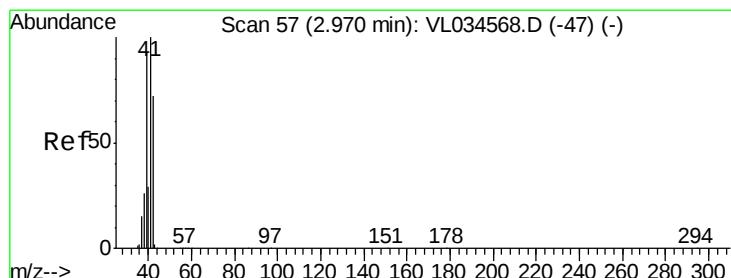
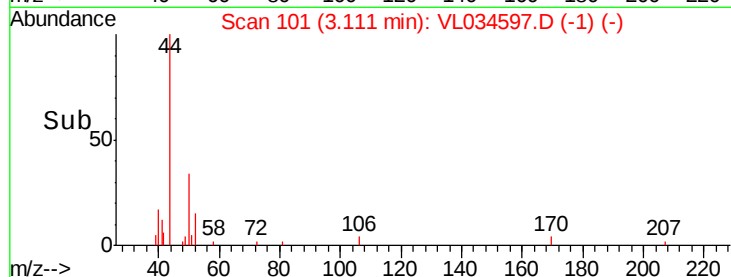
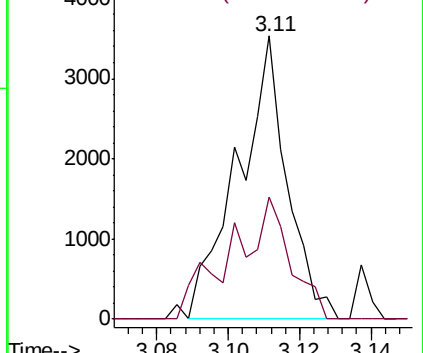
50 100

52 43.2 26.6 39.8#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.267 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034597.D

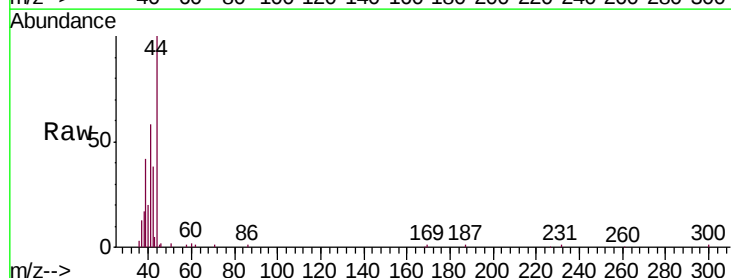
Acq: 5 Feb 2020 2:27

Tgt Ion: 41 Resp: 12302

Ion Ratio Lower Upper

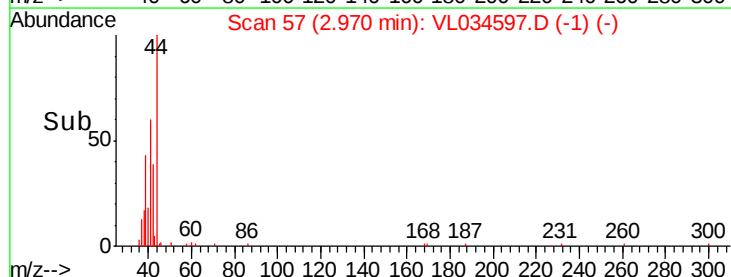
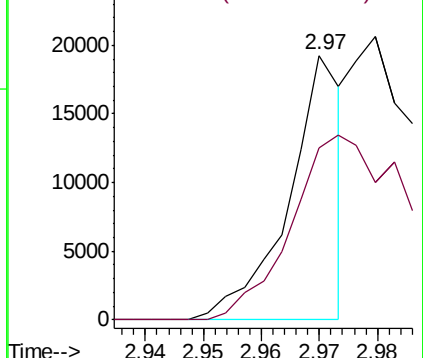
41 100

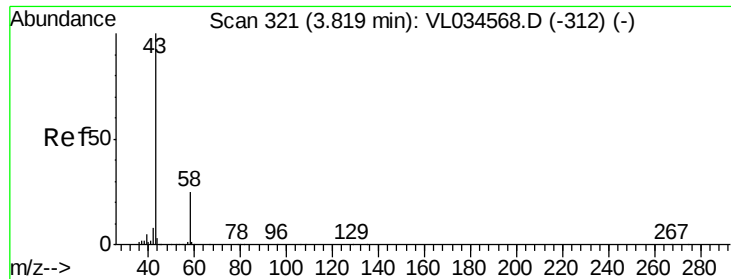
42 165.5 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.568 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.02 min

Lab File: VL034597.D

Acq: 5 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

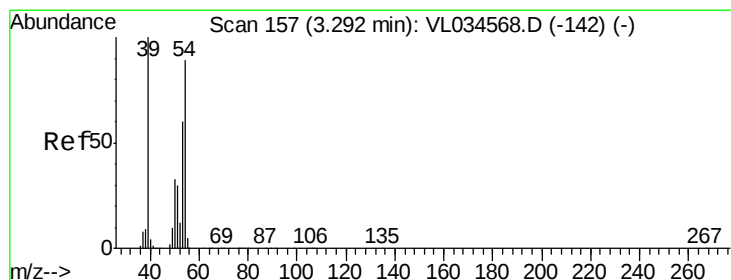
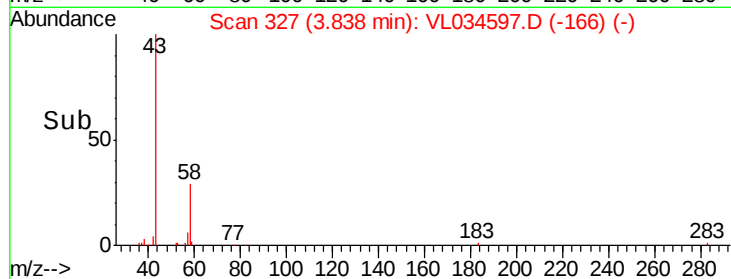
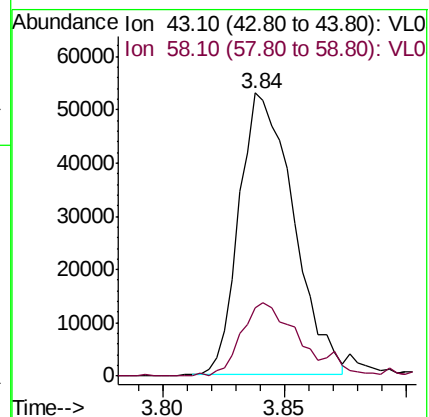
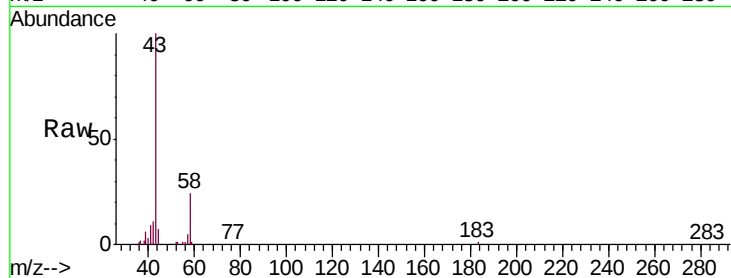
SV-1DL

Tgt Ion: 43 Resp: 81924

Ion Ratio Lower Upper

43 100

58 29.3 20.3 30.5



#16

1,3-Butadiene

Concen: 0.033 ppbv

RT: 3.30 min Scan# 160

Delta R.T. 0.01 min

Lab File: VL034597.D

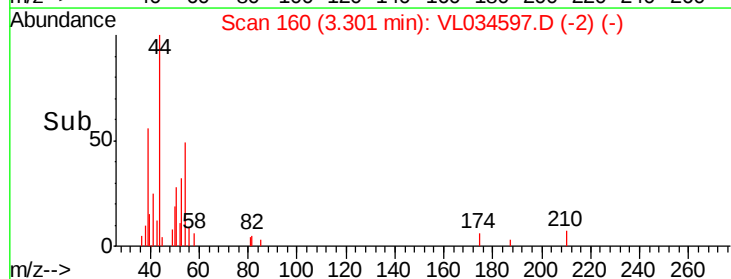
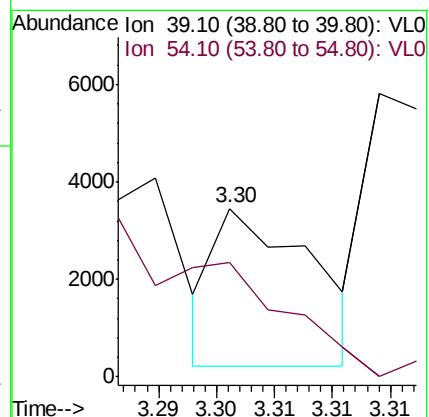
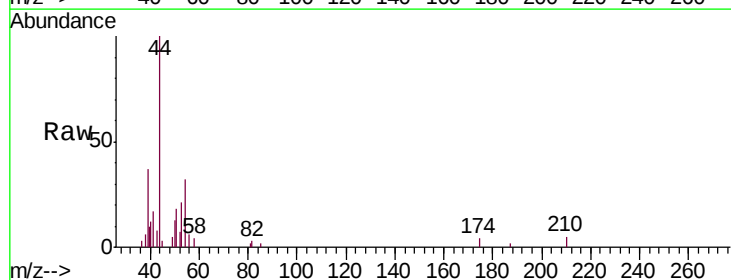
Acq: 5 Feb 2020 2:27

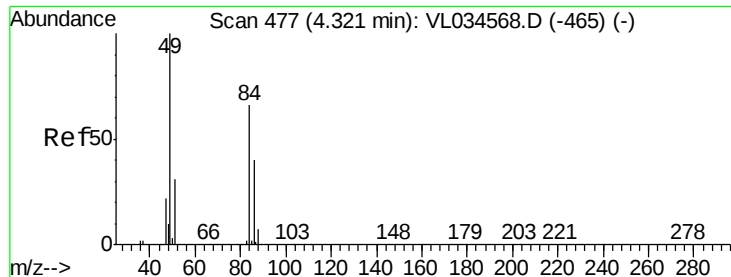
Tgt Ion: 39 Resp: 1876

Ion Ratio Lower Upper

39 100

54 246.3 66.7 100.1#

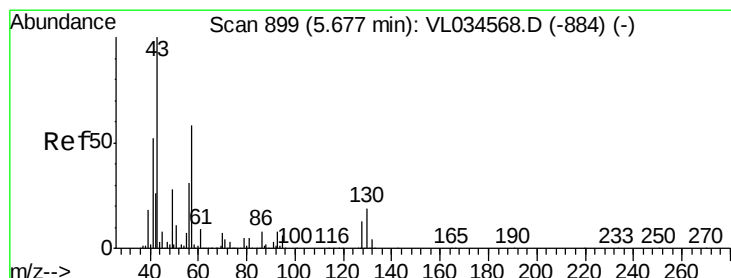
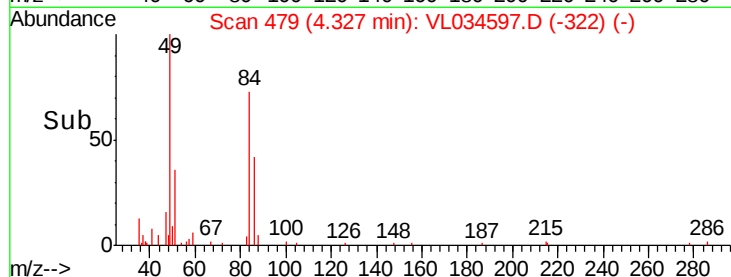
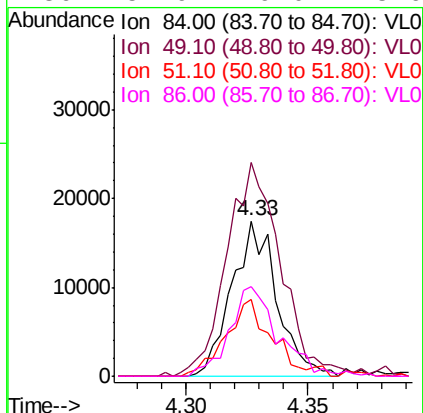
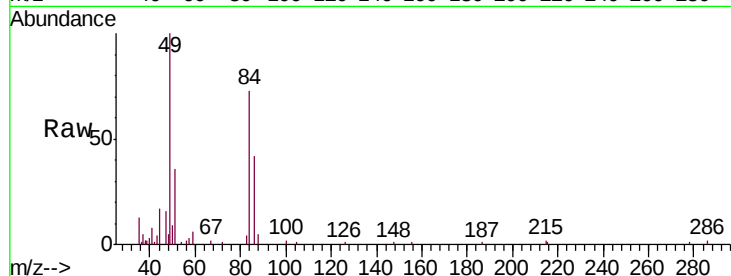




#20
Methylene Chloride
Concen: 0.406 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.01 min
Lab File: VL034597.D
Acq: 5 Feb 2020 2:27

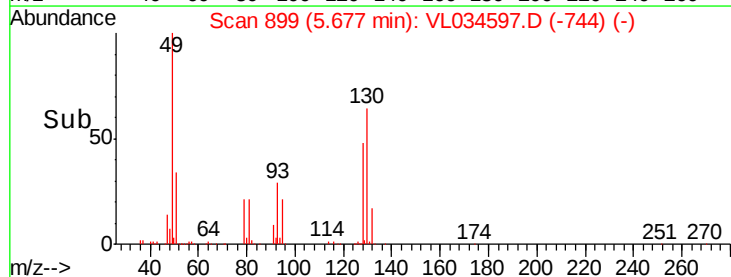
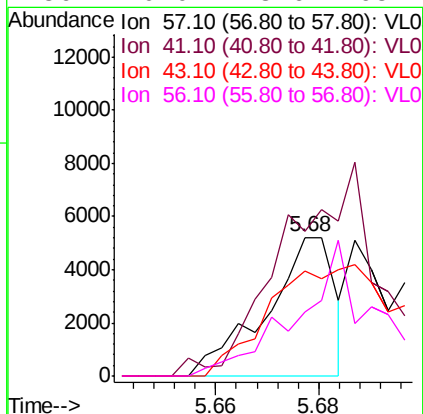
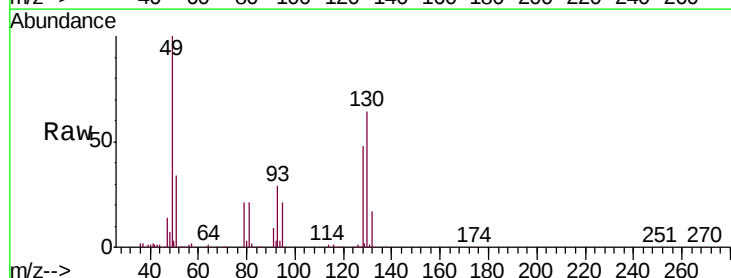
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

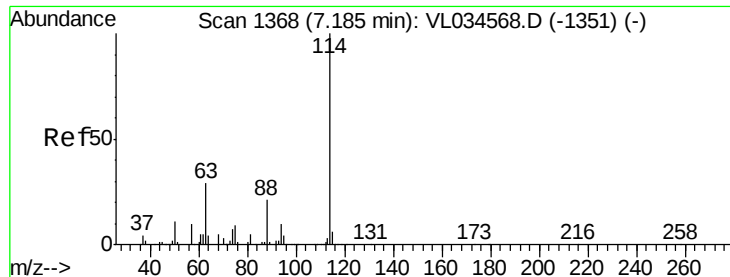
Tgt Ion:	84	Resp:	22302
Ion	Ratio	Lower	Upper
84	100		
49	131.8	122.4	183.6
51	49.5	38.6	57.8
86	57.9	49.0	73.6



#26
Hexane
Concen: 0.049 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034597.D
Acq: 5 Feb 2020 2:27

Tgt Ion:	57	Resp:	4791
Ion	Ratio	Lower	Upper
57	100		
41	0.0	76.2	114.2#
43	0.0	189.9	284.9#
56	0.0	43.6	65.4#

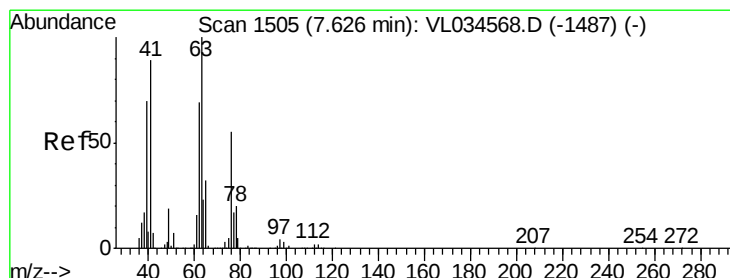
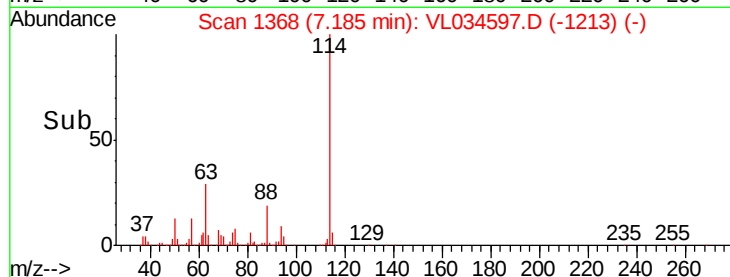
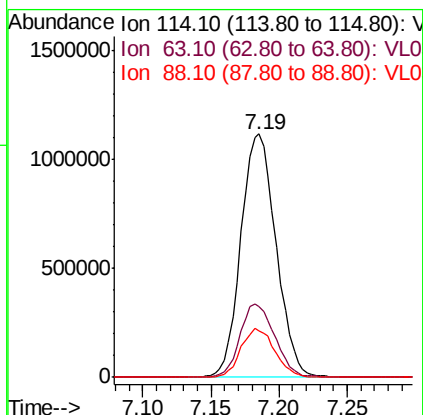
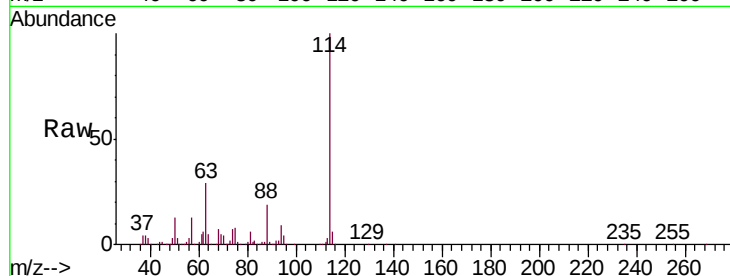




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL034597.D
 Acq: 5 Feb 2020 2:27

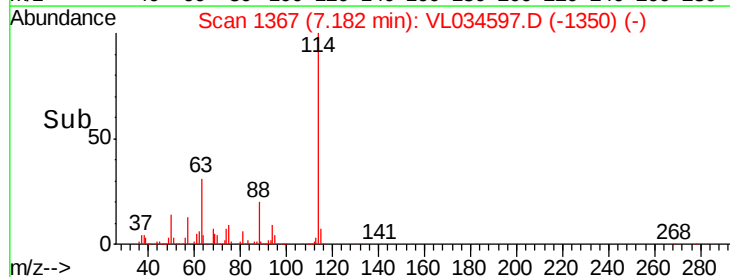
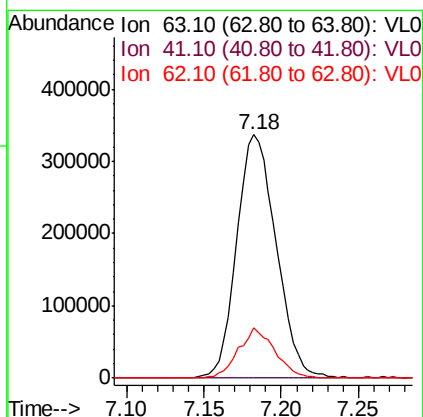
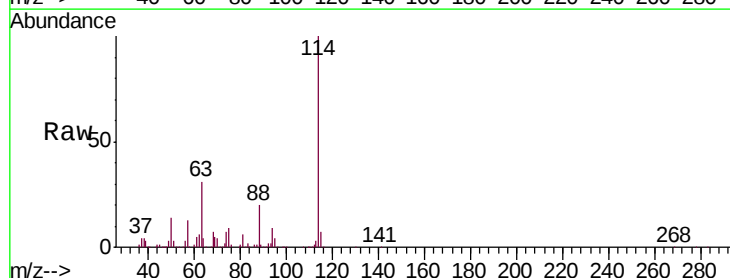
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

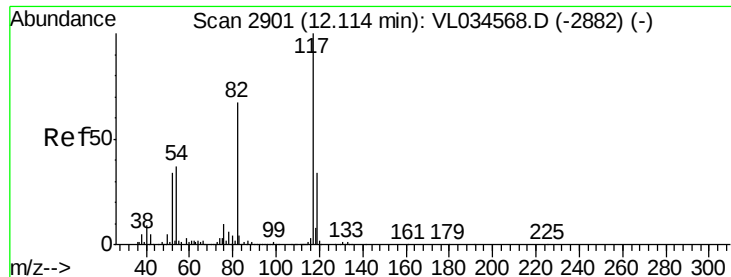
Tgt Ion: 114 Resp: 1993923
 Ion Ratio Lower Upper
 114 100
 63 30.1 24.1 36.1
 88 19.5 15.9 23.9



#39
 1,2-Dichloropropane
 Concen: 8.119 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.44 min
 Lab File: VL034597.D
 Acq: 5 Feb 2020 2:27

Tgt Ion: 63 Resp: 596836
 Ion Ratio Lower Upper
 63 100
 41 0.0 71.0 106.4#
 62 20.6 55.4 83.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. 0.00 min

Lab File: VL034597.D

Acq: 5 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampled :

SV-1DL

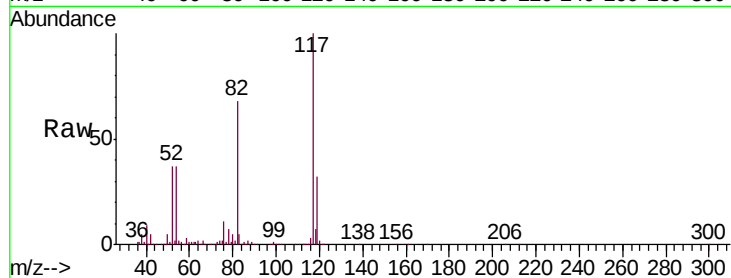
Tgt Ion:117 Resp: 2027036

Ion Ratio Lower Upper

117 100

82 70.9 54.2 81.4

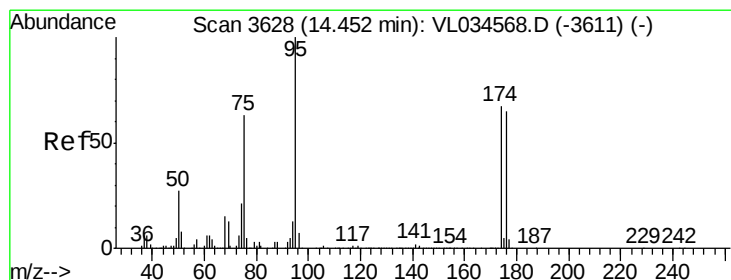
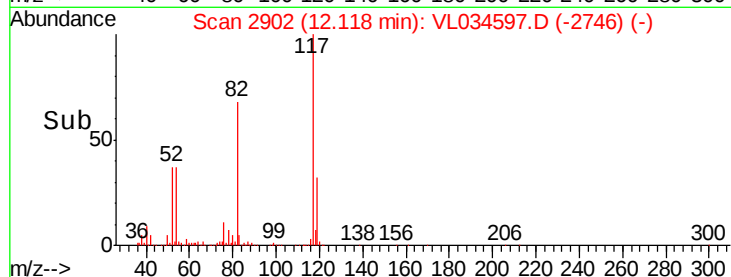
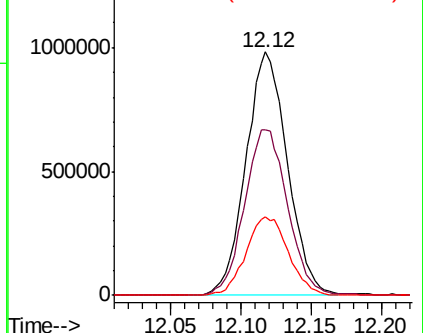
119 33.1 26.1 39.1



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.112 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. -0.00 min

Lab File: VL034597.D

Acq: 5 Feb 2020 2:27

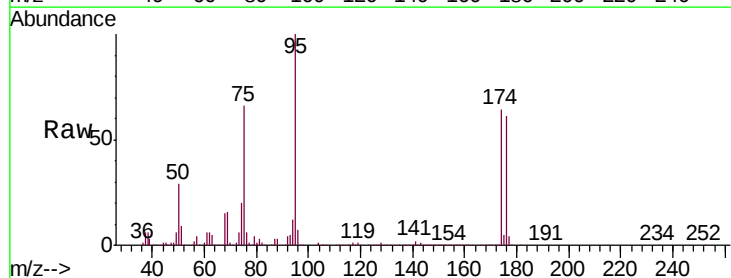
Tgt Ion: 95 Resp: 1732347

Ion Ratio Lower Upper

95 100

174 64.0 52.3 78.5

175 4.5 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

