

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034955.D
 Acq On : 7 May 2020 4:44
 Operator : SY/AP
 Sample : L2507-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 06:37:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1115966	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2537488	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2394093	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1992098	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

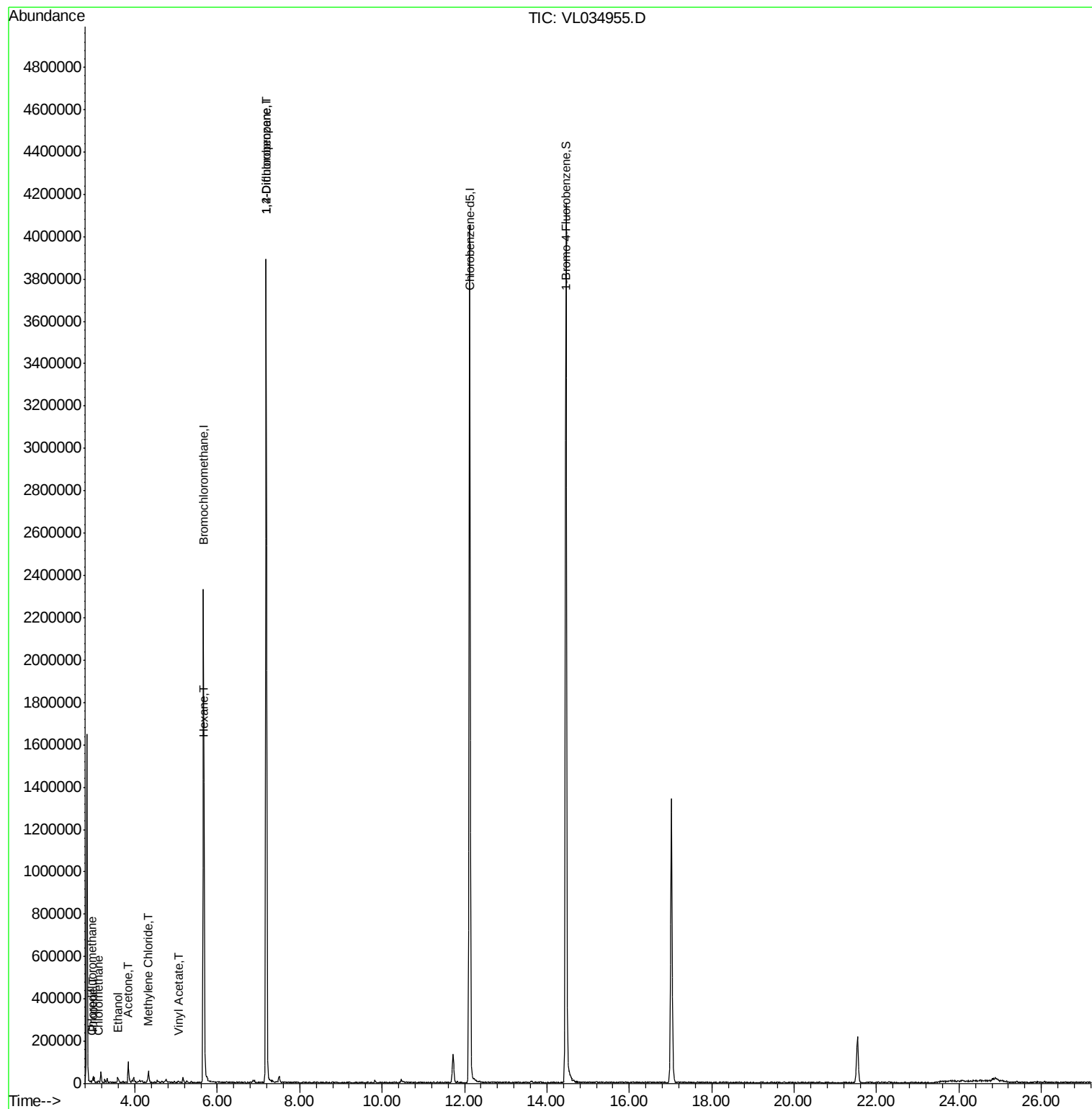
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.95	51	6541	0.051	ppbv	94
4) Chloromethane	3.11	50	2695	0.037	ppbv #	45
9) Propene	2.98	41	4671	0.084	ppbv	84
13) Ethanol	3.59	45	20320	1.114	ppbv	86
15) Acetone	3.84	43	86360	0.585	ppbv	90
20) Methylene Chloride	4.33	84	14507	0.297	ppbv #	89
23) Vinyl Acetate	5.06	43	6564	0.035	ppbv #	85
26) Hexane	5.69	57	2876	0.027	ppbv #	43
39) 1,2-Dichloropropane	7.19	63	704195	8.397	ppbv #	25

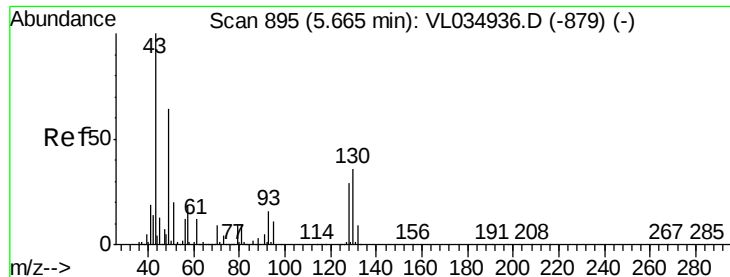
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
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QLast Update : Wed May 06 14:49:39 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: VL034955.D

Acq: 7 May 2020 4:44

Instrument :
MSVOA_L
ClientSampled :

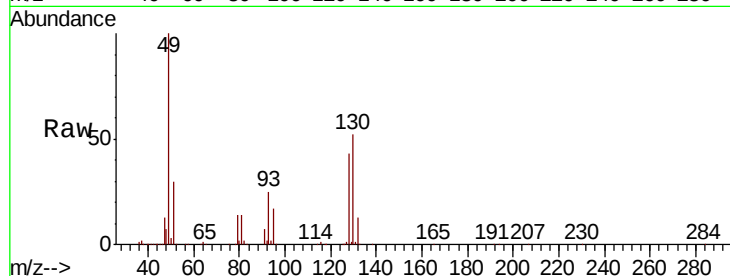
Tot Ion: 49 Resp: 1115966

Ion Ratio Lower Upper

49 100

128 45.4 22.1 66.5

130 56.9 29.1 87.3



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

5.66

800000

600000

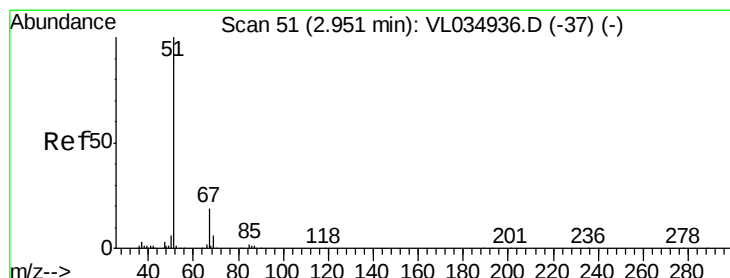
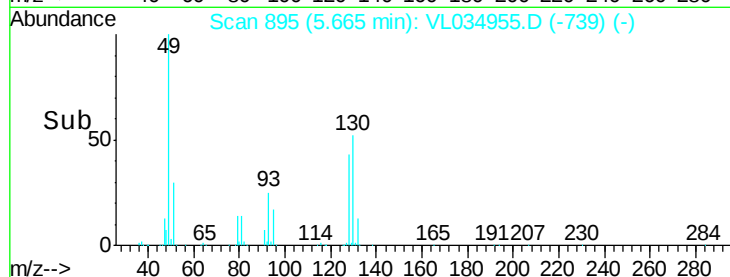
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#3

Chlorodifluoromethane

Concen: 0.051 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.00 min

Lab File: VL034955.D

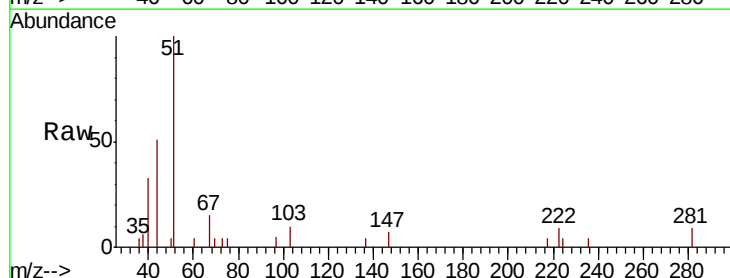
Acq: 7 May 2020 4:44

Tgt Ion: 51 Resp: 6541

Ion Ratio Lower Upper

51 100

67 15.9 15.0 22.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

6000

5000

4000

3000

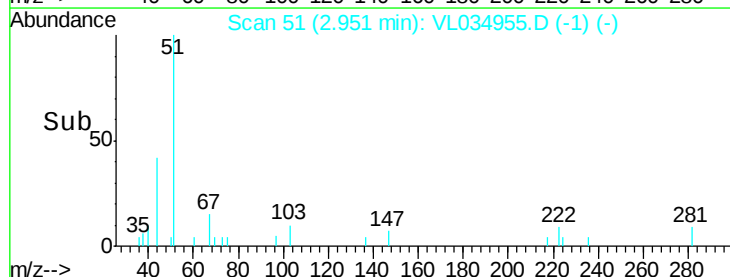
2000

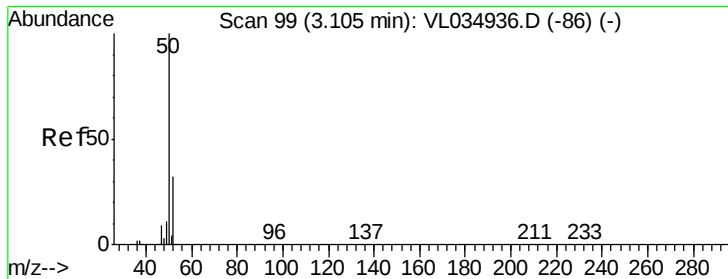
1000

0

2.85 2.90 2.95 3.00 3.05

Time-->





#4

Chloromethane

Concen: 0.037 ppbv

RT: 3.11 min Scan# 101

Delta R.T. 0.01 min

Lab File: VL034955.D

Acq: 7 May 2020 4:44

Instrument :

MSVOA_L

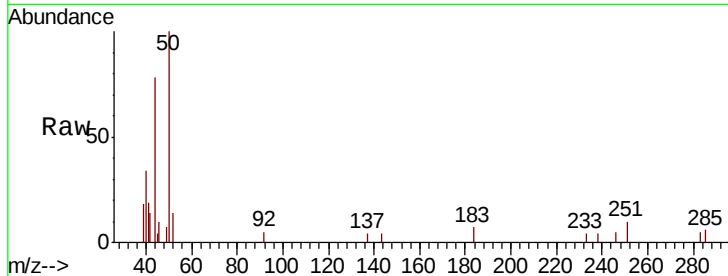
ClientSampleId :

Tot Ion: 50 Resp: 2695

Ion Ratio Lower Upper

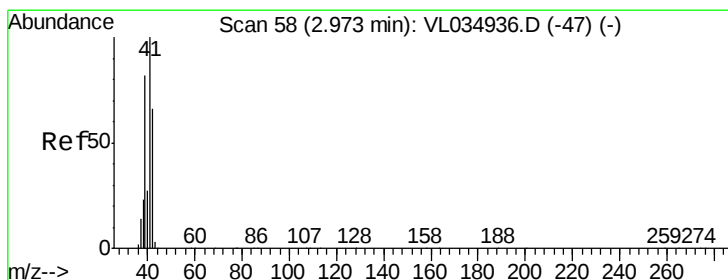
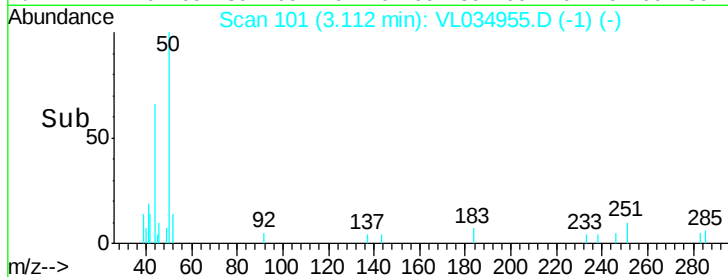
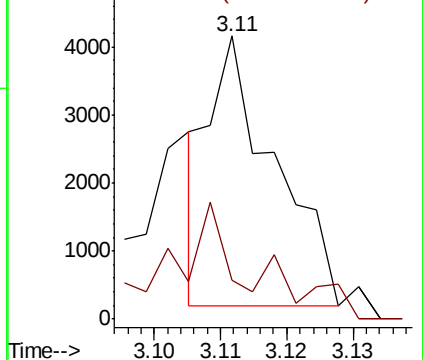
50 100

52 1.4 25.4 38.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.084 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL034955.D

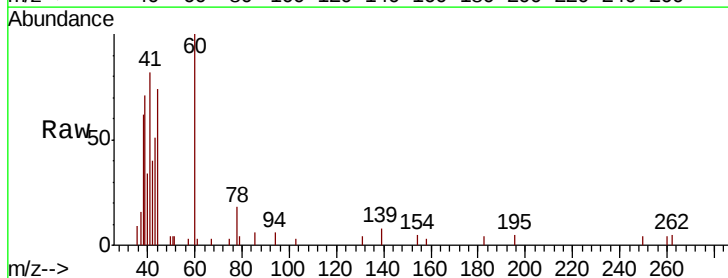
Acq: 7 May 2020 4:44

Tgt Ion: 41 Resp: 4671

Ion Ratio Lower Upper

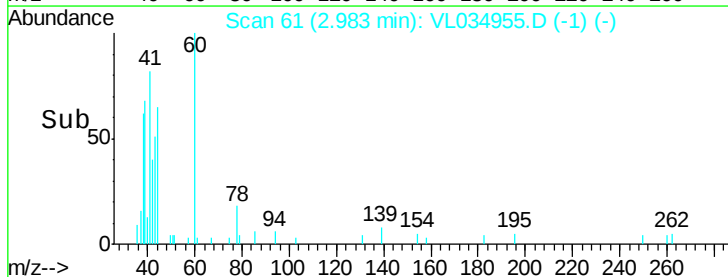
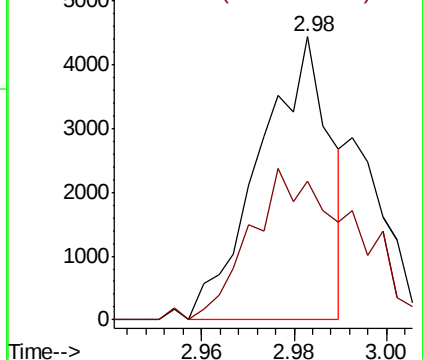
41 100

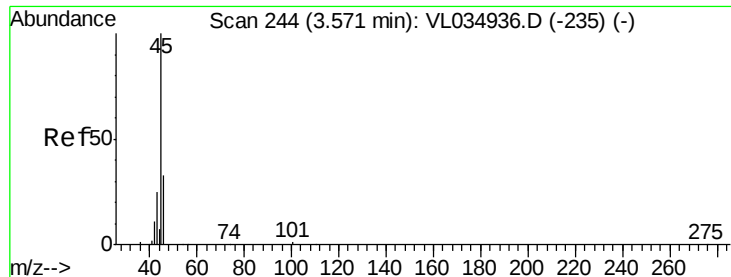
42 80.8 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

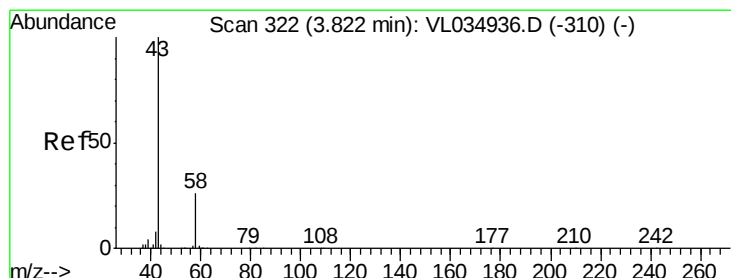
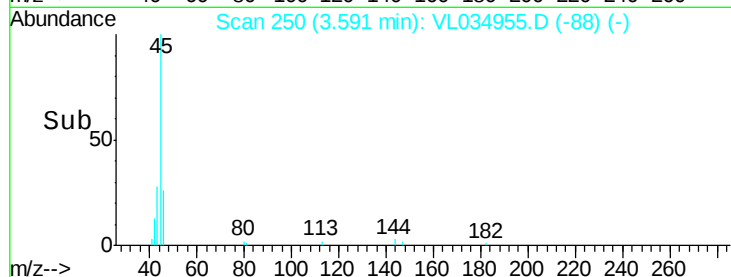
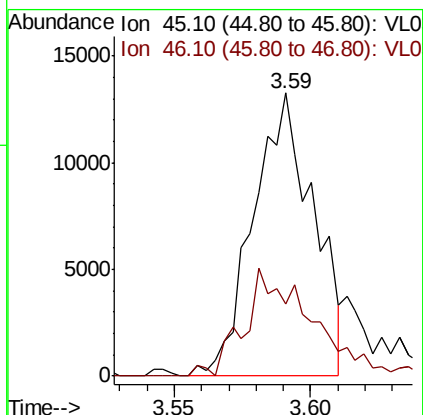
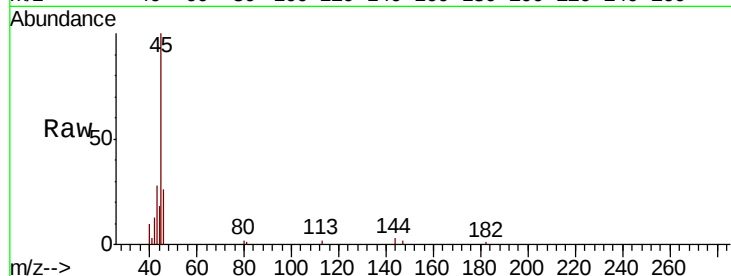




#13
Ethanol
Concen: 1.114 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.02 min
Lab File: VL034955.D
Acq: 7 May 2020 4:44

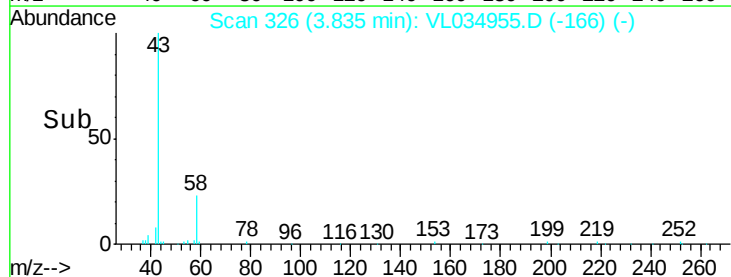
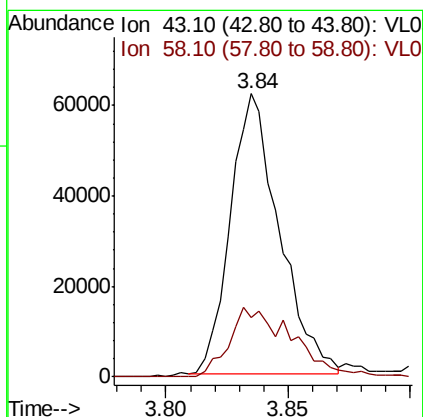
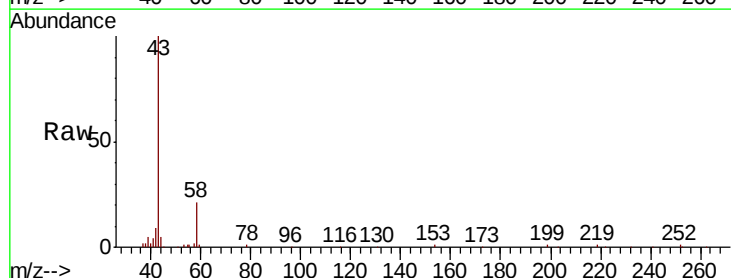
Instrument :
MSVOA_L
ClientSampled :

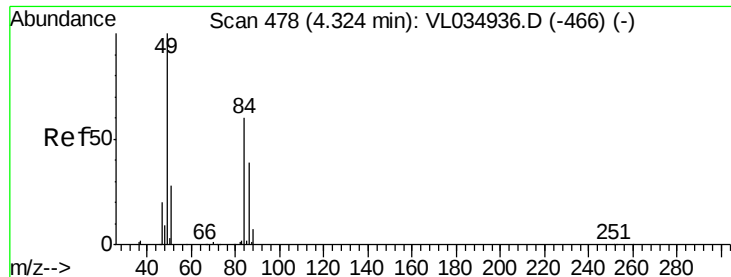
Tot Ion: 45 Resp: 20320
Ion Ratio Lower Upper
45 100
46 44.0 14.3 57.3



#15
Acetone
Concen: 0.585 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.01 min
Lab File: VL034955.D
Acq: 7 May 2020 4:44

Tgt Ion: 43 Resp: 86360
Ion Ratio Lower Upper
43 100
58 32.1 21.7 32.5

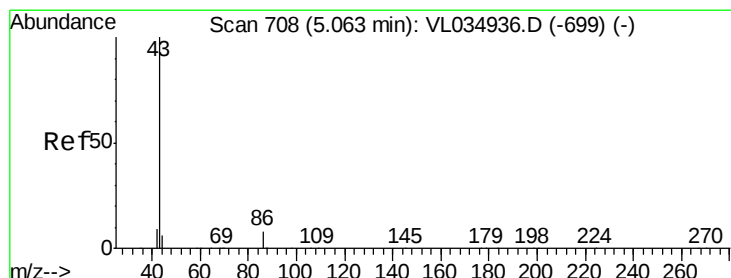
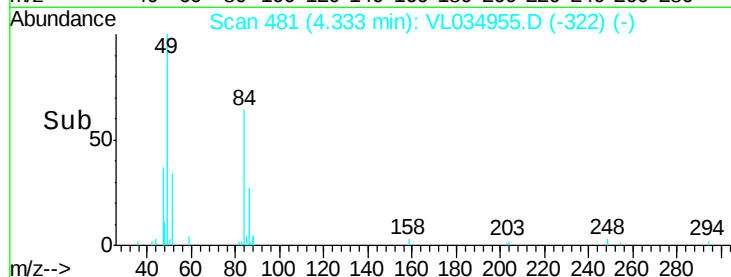
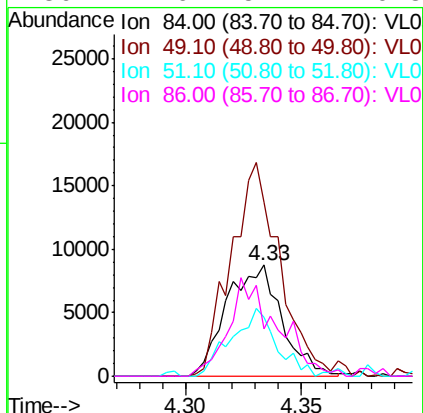
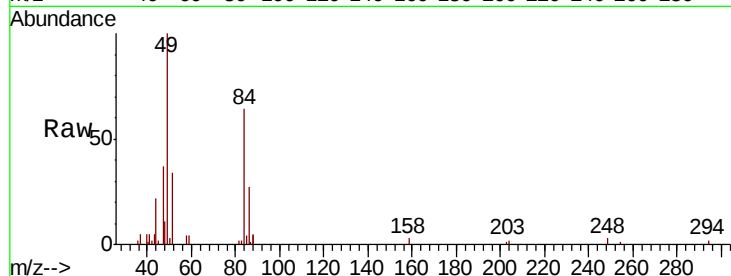




#20
Methylene Chloride
Concen: 0.297 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL034955.D
Acq: 7 May 2020 4:44

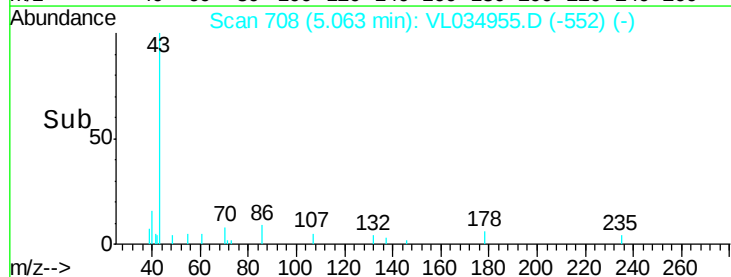
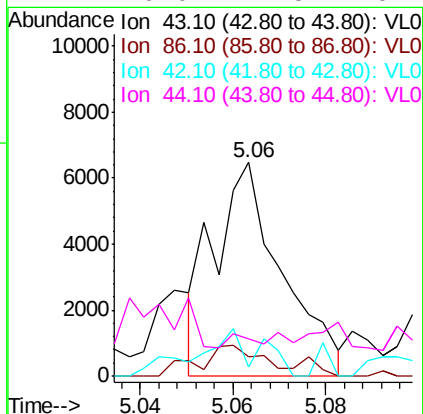
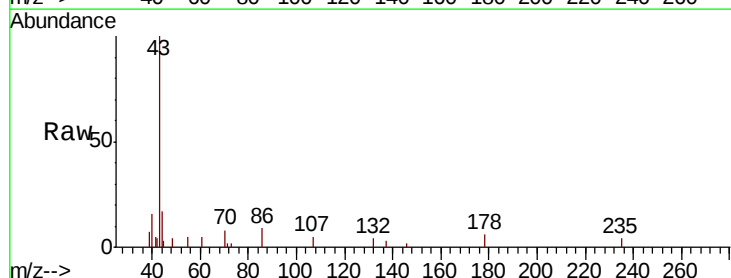
Instrument :
MSVOA_L
ClientSampleId :

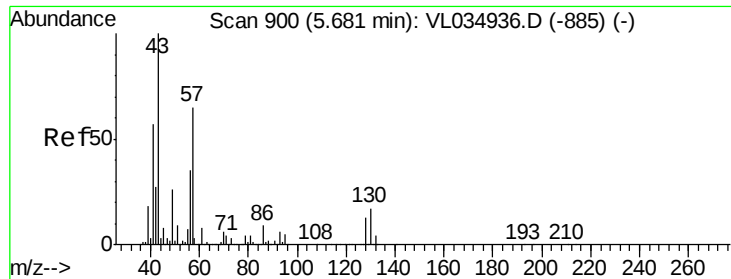
Tot Ion: 84 Resp: 14507
Ion Ratio Lower Upper
84 100
49 156.5 132.5 198.7
51 53.2 38.4 57.6
86 44.6 51.2 76.8#



#23
Vinyl Acetate
Concen: 0.035 ppbv
RT: 5.06 min Scan# 708
Delta R.T. 0.00 min
Lab File: VL034955.D
Acq: 7 May 2020 4:44

Tgt Ion: 43 Resp: 6564
Ion Ratio Lower Upper
43 100
86 14.1 5.5 8.3#
42 6.5 8.0 12.0#
44 0.0 4.5 6.7#

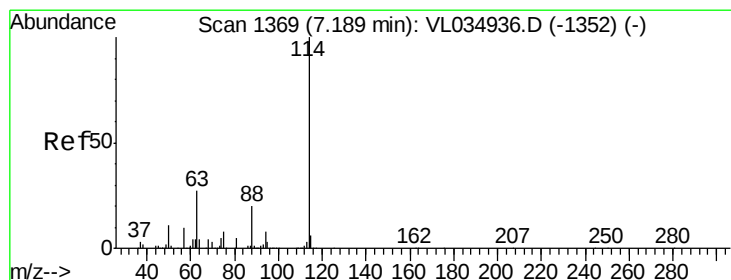
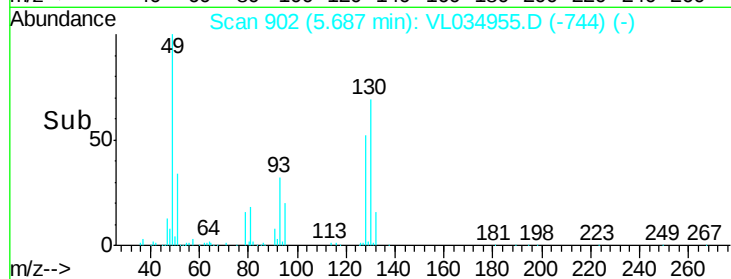
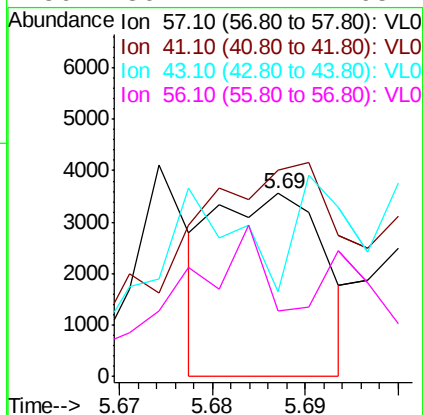
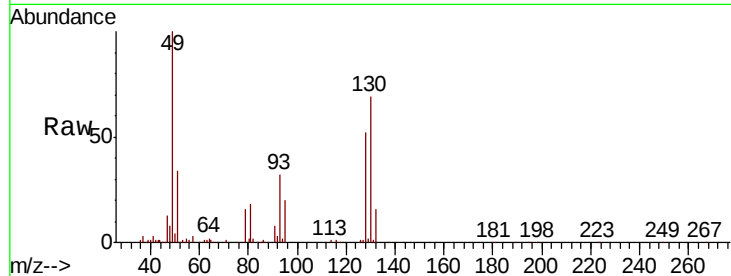




#26
Hexane
Concen: 0.027 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034955.D
Acq: 7 May 2020 4:44

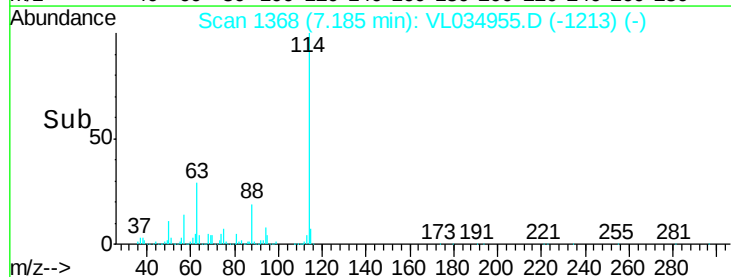
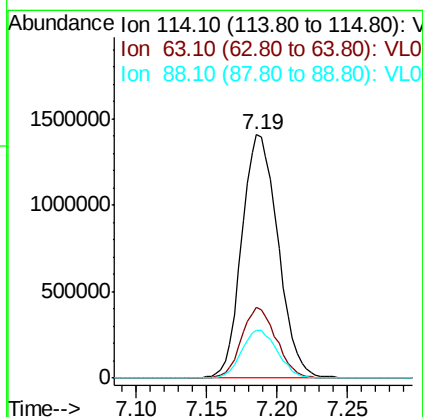
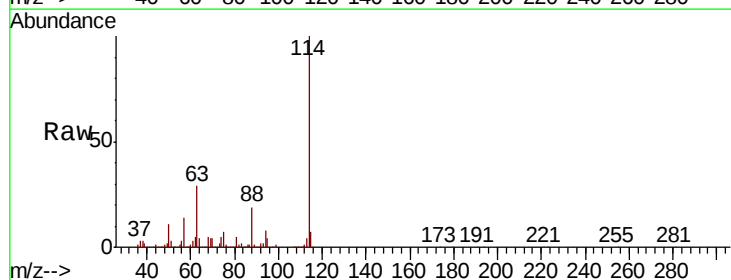
Instrument :
MSVOA_L
ClientSampleId :

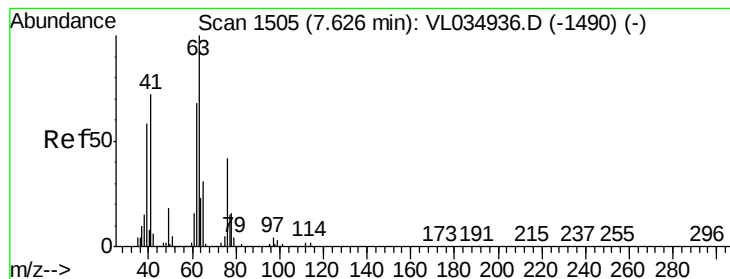
Tot Ion: 57 Resp: 2876
Ion Ratio Lower Upper
57 100
41 246.4 72.7 109.1#
43 228.4 182.1 273.1
56 136.1 42.2 63.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VL034955.D
Acq: 7 May 2020 4:44

Tgt Ion:114 Resp: 2537488
Ion Ratio Lower Upper
114 100
63 27.9 22.2 33.4
88 19.5 15.5 23.3





#39

1,2-Dichloropropane

Concen: 8.397 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.44 min

Lab File: VL034955.D

Acq: 7 May 2020 4:44

Instrument :

MSVOA_L

ClientSampled :

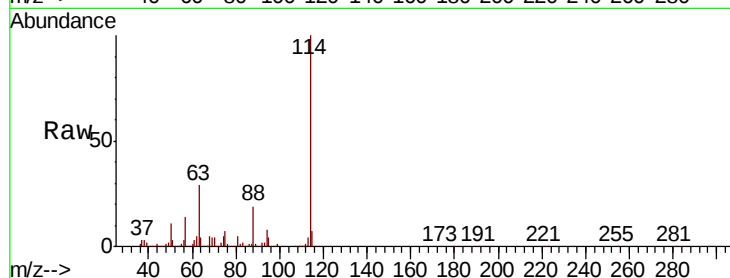
Tot Ion: 63 Resp: 704195

Ion Ratio Lower Upper

63 100

41 0.1 57.8 86.8#

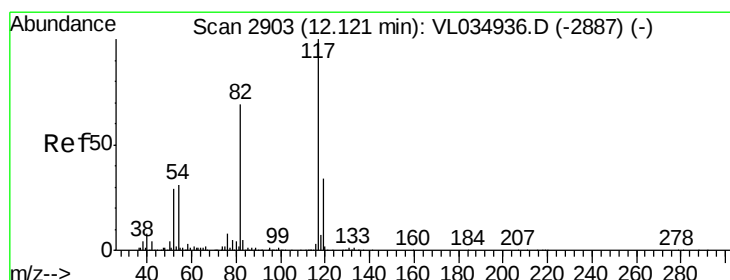
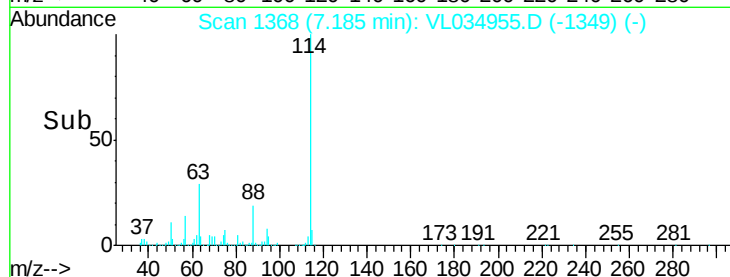
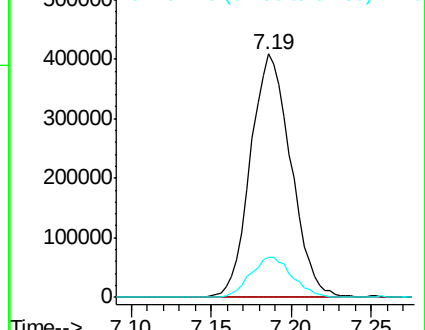
62 16.7 54.2 81.2#



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VL034955.D

Acq: 7 May 2020 4:44

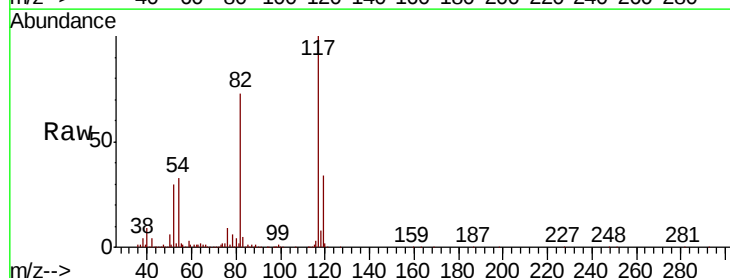
Tgt Ion: 117 Resp: 2394093

Ion Ratio Lower Upper

117 100

82 70.4 53.1 79.7

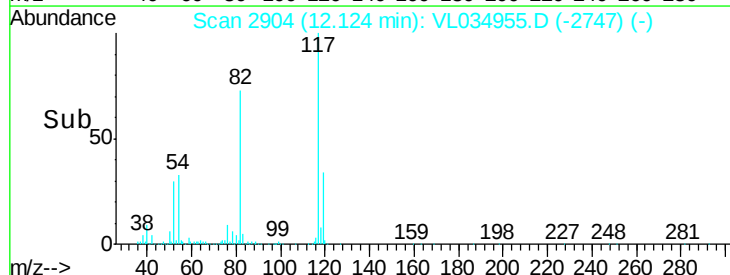
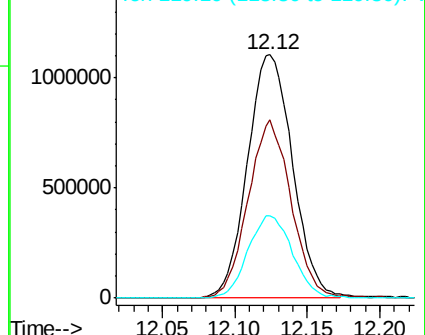
119 33.8 26.7 40.1

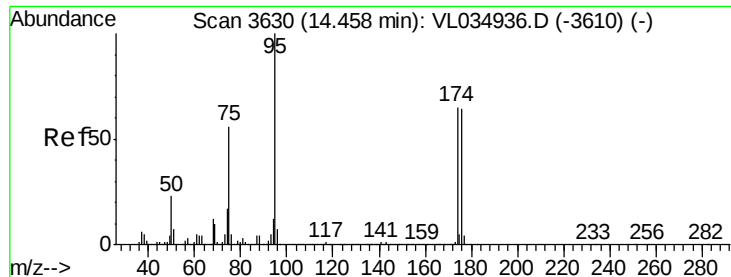


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.280 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.00 min

Lab File: VL034955.D

Acq: 7 May 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

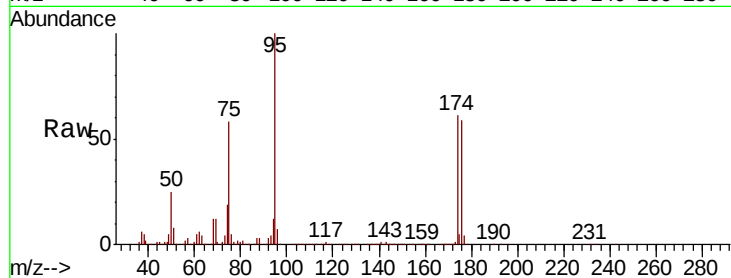
Tot Ion: 95 Resp: 1992098

Ion Ratio Lower Upper

95 100

174 64.1 51.5 77.3

175 4.4 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

1200000 Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

