

Data File : VL034941.D
Acq On : 6 May 2020 13:20
Operator : SY/AP
Sample : VSTDIC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Quant Time: May 06 13:52:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed May 06 12:36:21 2020
QLast Update : Wed May 06 12:36:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1172336	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2666582	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2492525	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2041236	10.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

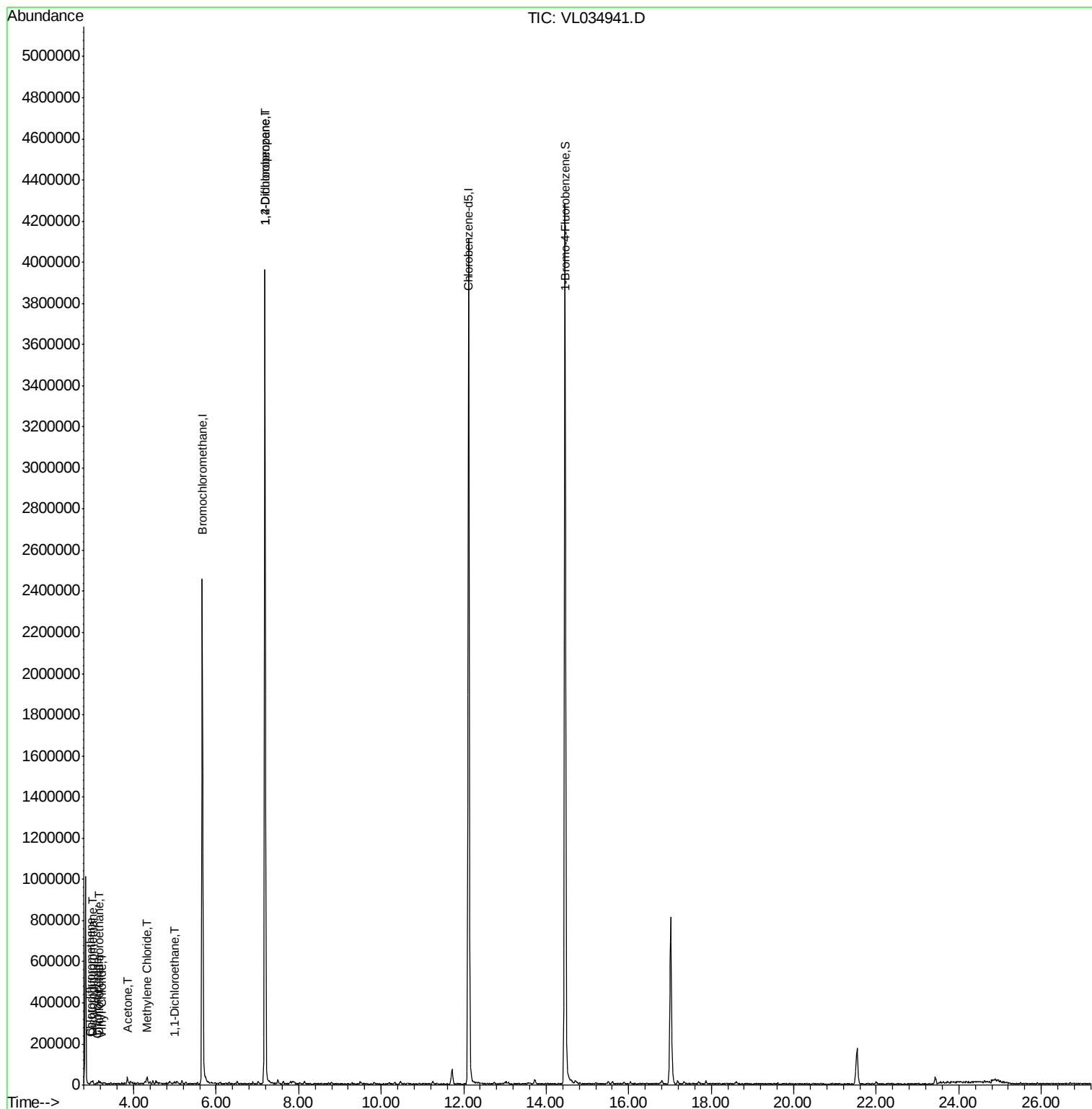
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	7087	0.044	ppbv #	85
3) Chlorodifluoromethane	2.95	51	5254	0.040	ppbv	92
4) Chloromethane	3.11	50	3719	0.050	ppbv #	82
5) Vinyl Chloride	3.22	62	2682	0.038	ppbv	96
8) Dichlorotetrafluoroethane	3.15	85	6582	0.039	ppbv	99
15) Acetone	3.85	43	24016	0.158	ppbv #	66
20) Methylene Chloride	4.33	84	8616	0.179	ppbv #	60
24) 1,1-Dichloroethane	5.00	63	6630	0.044	ppbv #	90
39) 1,2-Dichloropropane	7.18	63	747172	7.934	ppbv #	25

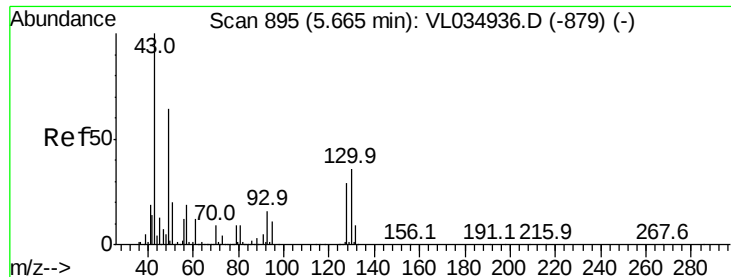
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: May 06 13:52:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
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QLast Update : Wed May 06 12:36:21 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL034941.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

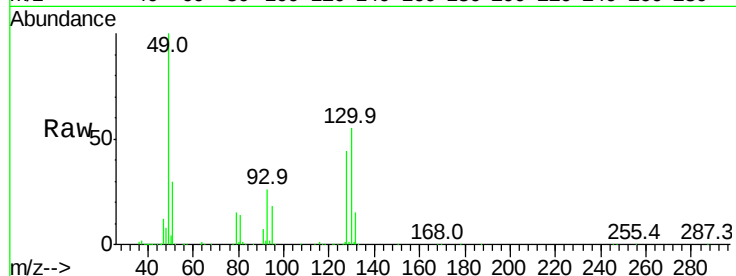
Tgt Ion: 49 Resp: 1172336

Ion Ratio Lower Upper

49 100

128 45.2 22.1 66.5

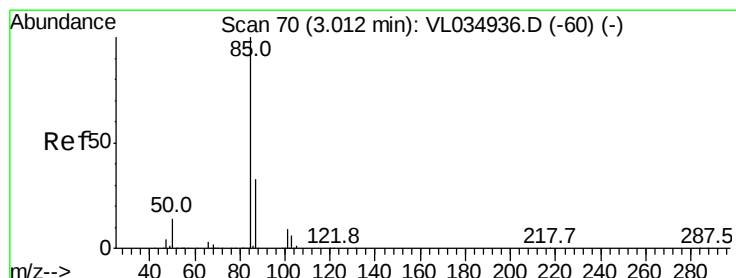
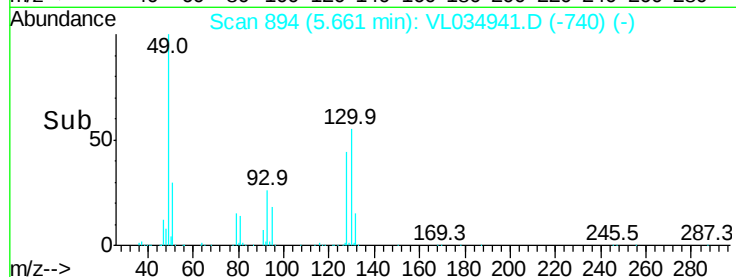
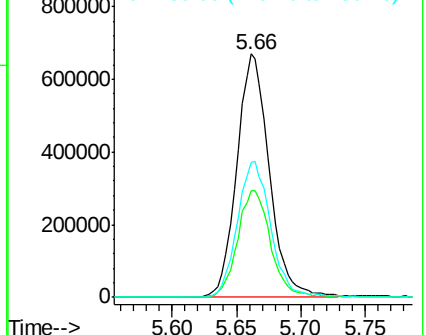
130 57.5 29.1 87.3



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



#2

Dichlorodifluoromethane

Concen: 0.044 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL034941.D

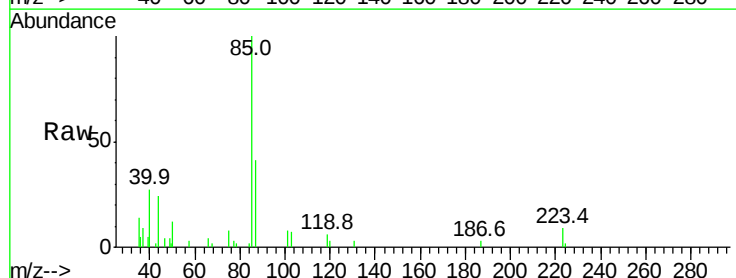
Acq: 6 May 2020 13:20

Tgt Ion: 85 Resp: 7087

Ion Ratio Lower Upper

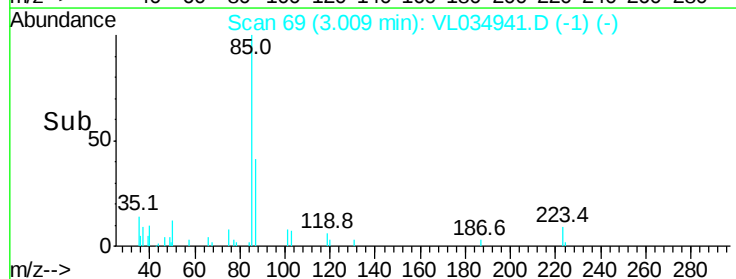
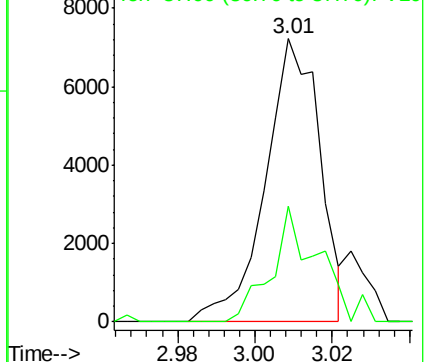
85 100

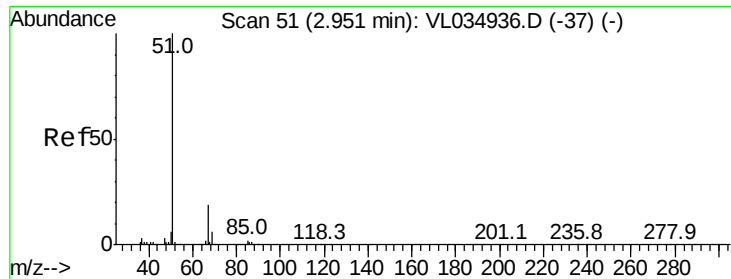
87 40.9 26.2 39.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.040 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.00 min

Lab File: VL034941.D

Acq: 6 May 2020 13:20

Instrument :

MSVOA_L

ClientSampleId :

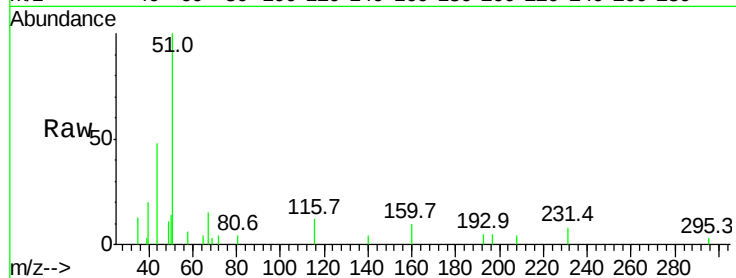
VSTDIC0.03

Tgt Ion: 51 Resp: 5254

Ion Ratio Lower Upper

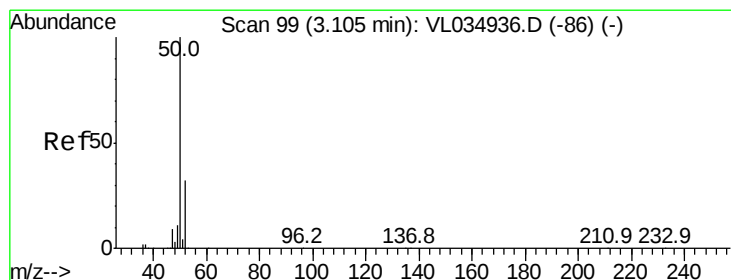
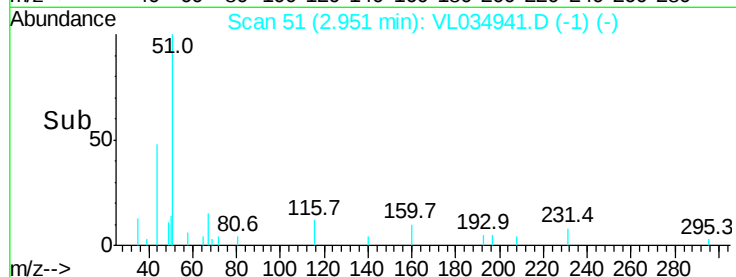
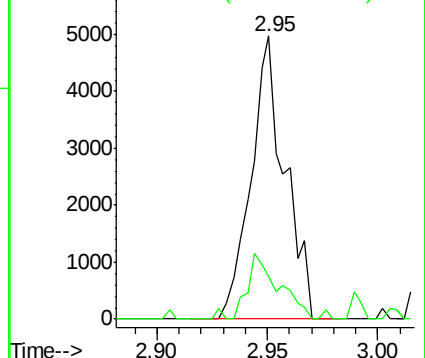
51 100

67 22.4 15.0 22.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.050 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.00 min

Lab File: VL034941.D

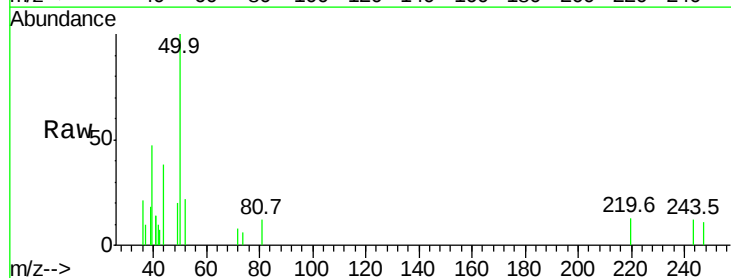
Acq: 6 May 2020 13:20

Tgt Ion: 50 Resp: 3719

Ion Ratio Lower Upper

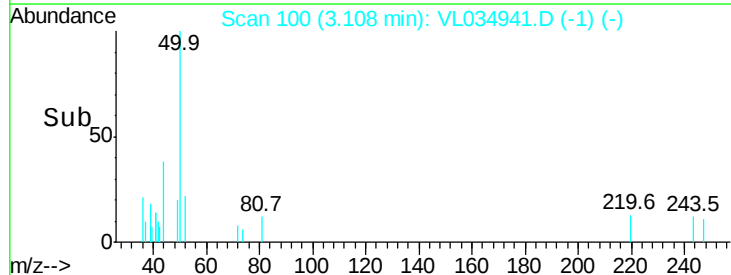
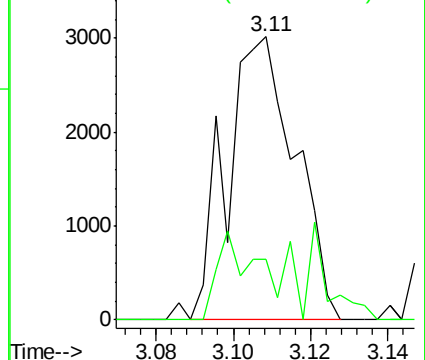
50 100

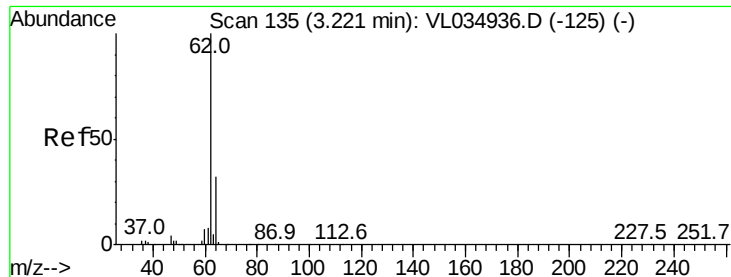
52 21.6 25.4 38.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.038 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL034941.D

Acq: 6 May 2020 13:20

Instrument :

MSVOA_L

ClientSampleId :

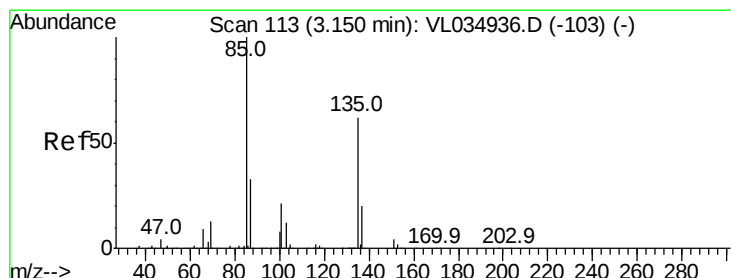
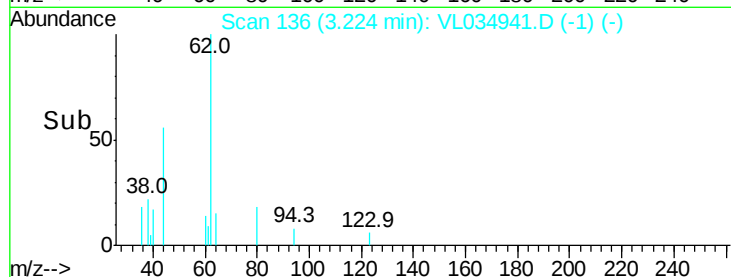
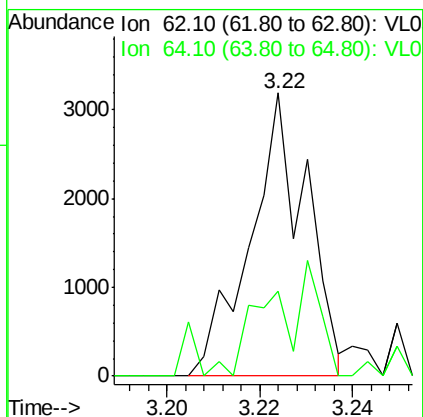
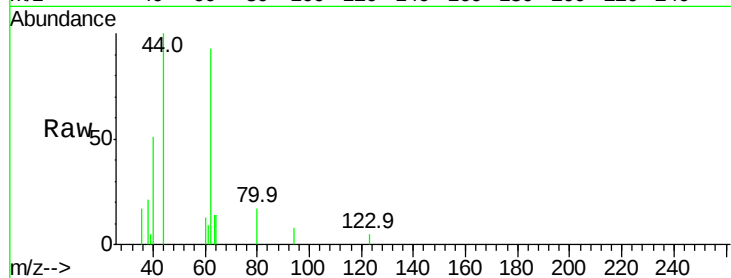
VSTDIC0.03

Tgt Ion: 62 Resp: 2682

Ion Ratio Lower Upper

62 100

64 29.8 25.7 38.5



#8

Dichlorotetrafluoroethane

Concen: 0.039 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL034941.D

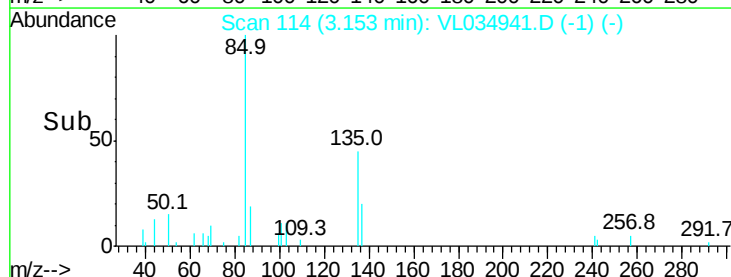
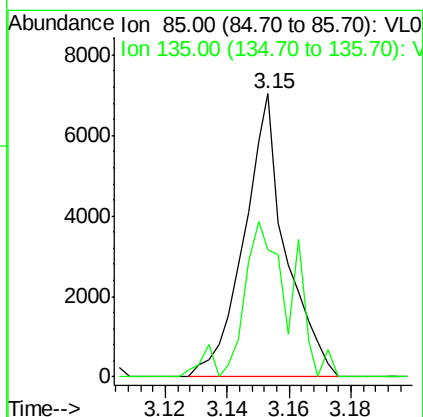
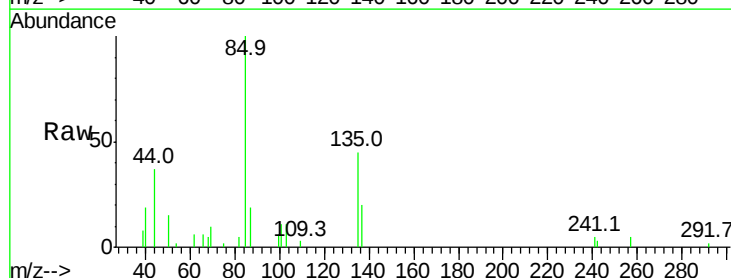
Acq: 6 May 2020 13:20

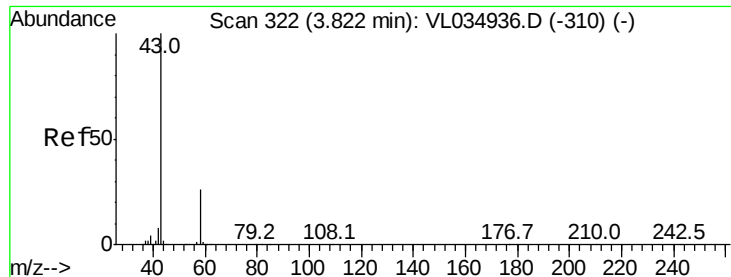
Tgt Ion: 85 Resp: 6582

Ion Ratio Lower Upper

85 100

135 63.1 50.9 76.3





#15

Acetone

Concen: 0.158 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.03 min

Lab File: VL034941.D

Acq: 6 May 2020 13:20

Instrument :

MSVOA_L

ClientSampleId :

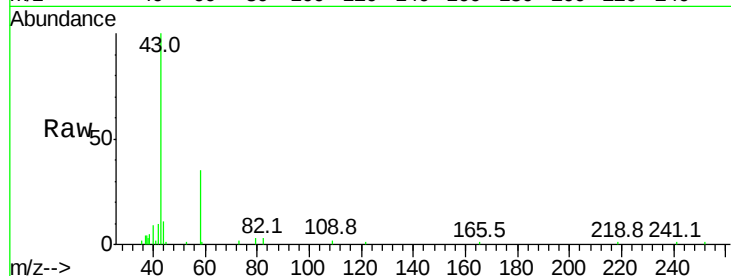
VSTDIC0.03

Tgt Ion: 43 Resp: 24016

Ion Ratio Lower Upper

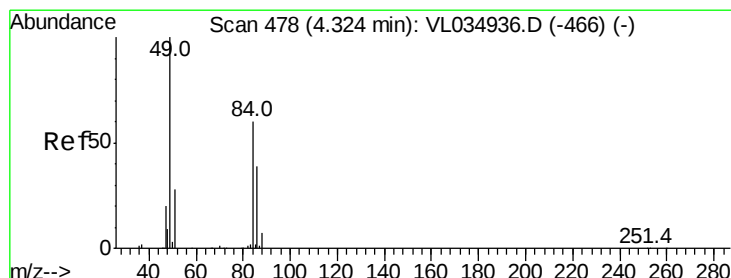
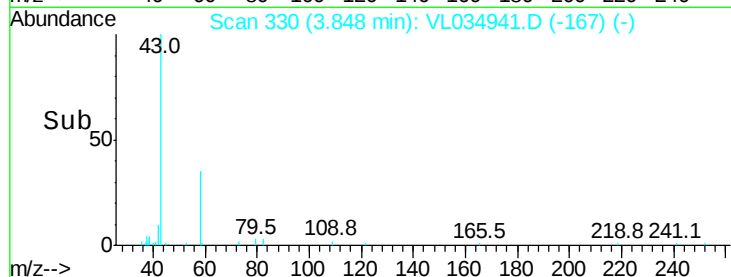
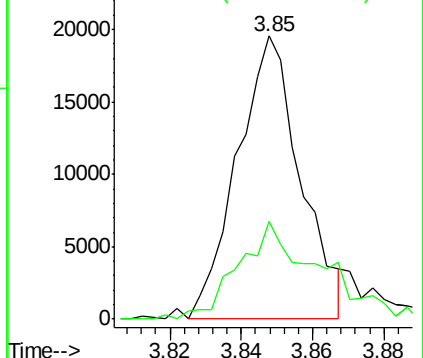
43 100

58 44.7 21.7 32.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.179 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.01 min

Lab File: VL034941.D

Acq: 6 May 2020 13:20

Tgt Ion: 84 Resp: 8616

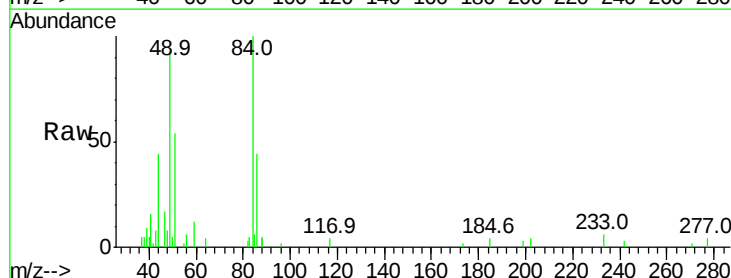
Ion Ratio Lower Upper

84 100

49 92.8 132.5 198.7#

51 56.3 38.4 57.6

86 46.2 51.2 76.8#

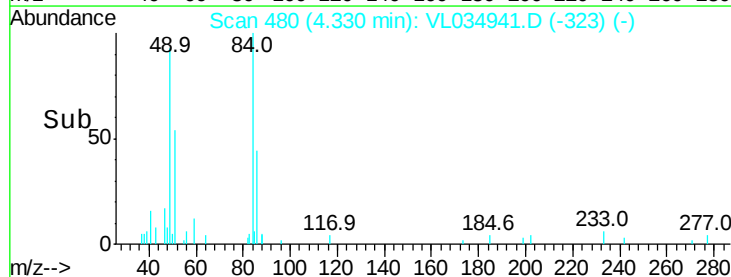
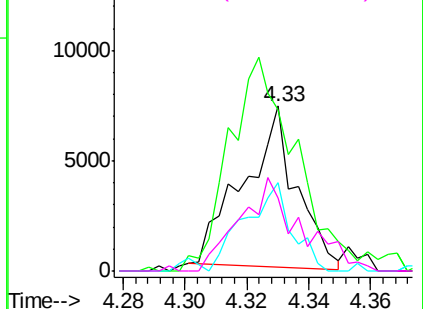


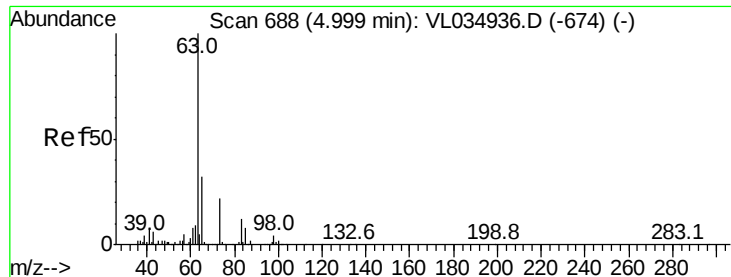
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#24

1,1-Dichloroethane

Concen: 0.044 ppbv

RT: 5.00 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL034941.D

Acq: 6 May 2020 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

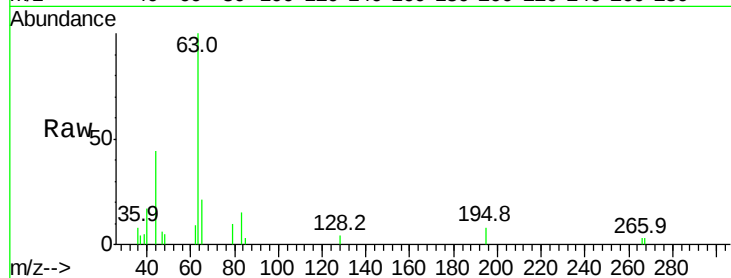
Tgt Ion: 63 Resp: 6630

Ion Ratio Lower Upper

63 100

98 0.0 2.0 6.0#

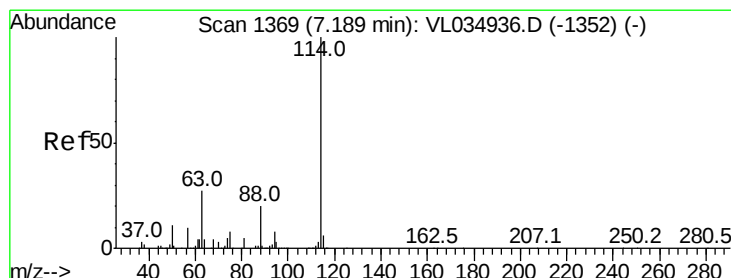
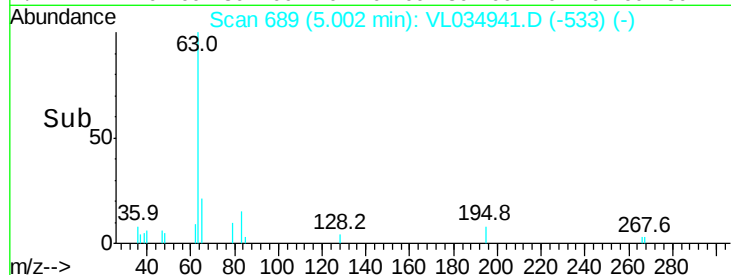
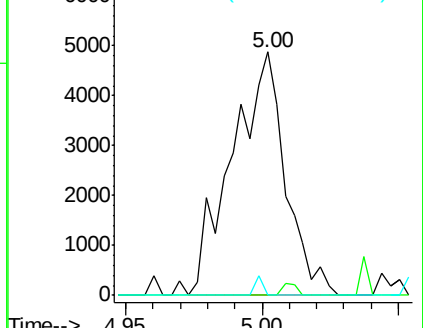
100 0.0 1.1 3.5#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VL034941.D

Acq: 6 May 2020 13:20

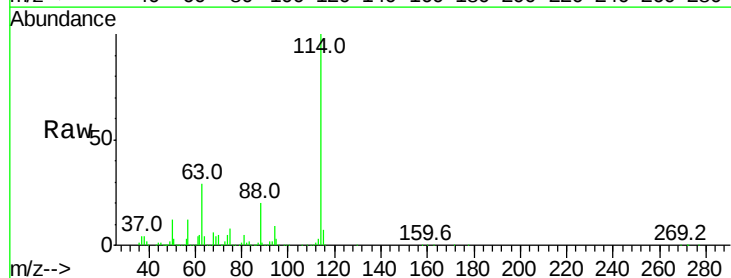
Tgt Ion: 114 Resp: 2666582

Ion Ratio Lower Upper

114 100

63 28.2 22.2 33.4

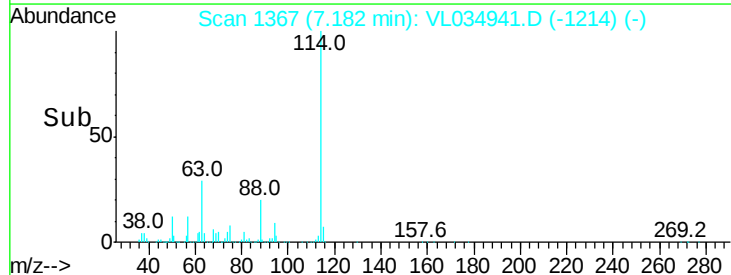
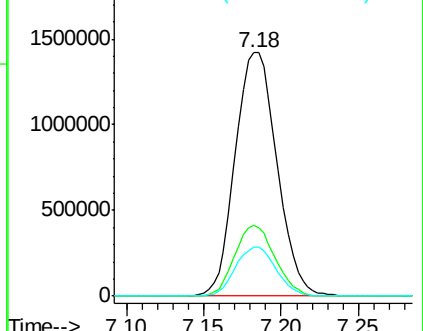
88 19.5 15.5 23.3

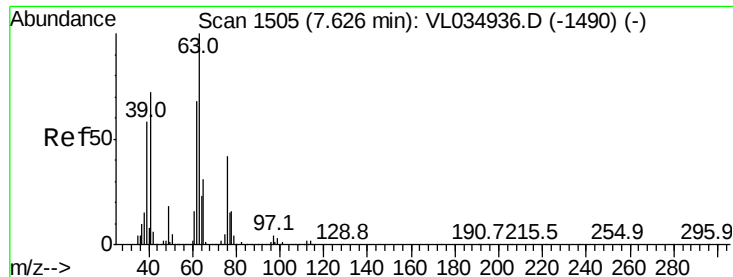


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 7.934 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.44 min

Lab File: VL034941.D

Acq: 6 May 2020 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

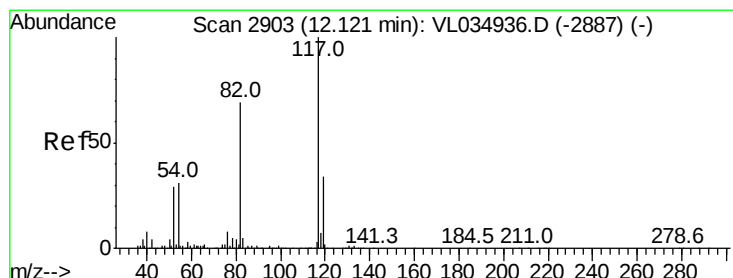
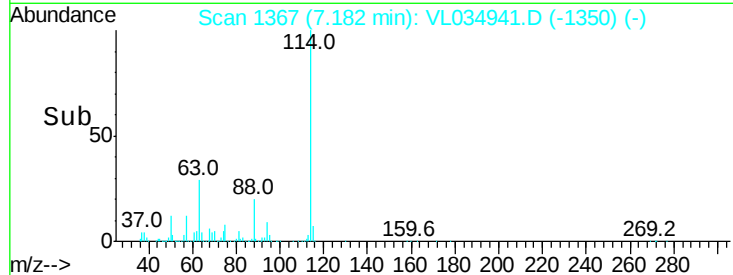
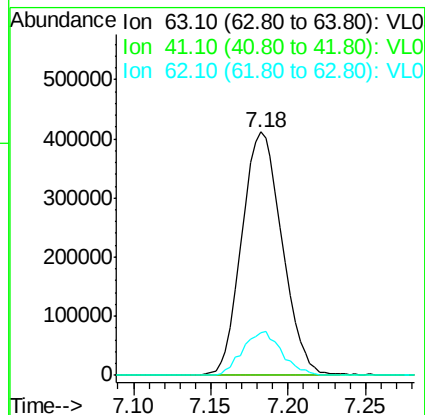
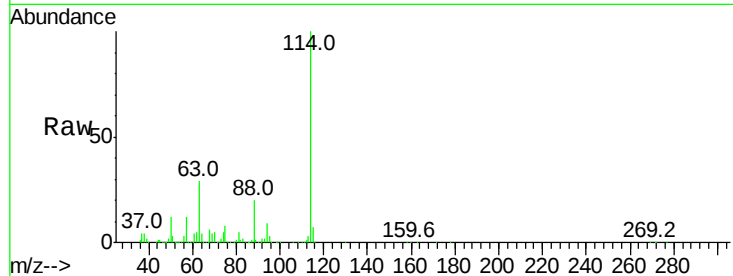
Tgt Ion: 63 Resp: 747172

Ion Ratio Lower Upper

63 100

41 0.0 57.8 86.8#

62 17.8 54.2 81.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.00 min

Lab File: VL034941.D

Acq: 6 May 2020 13:20

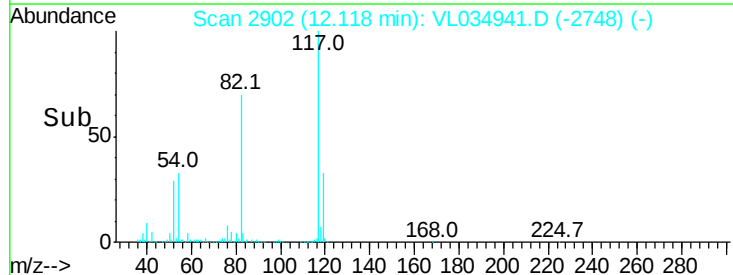
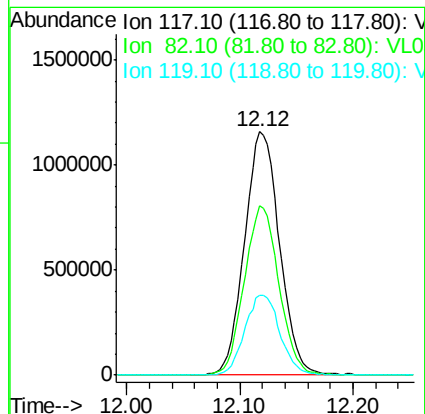
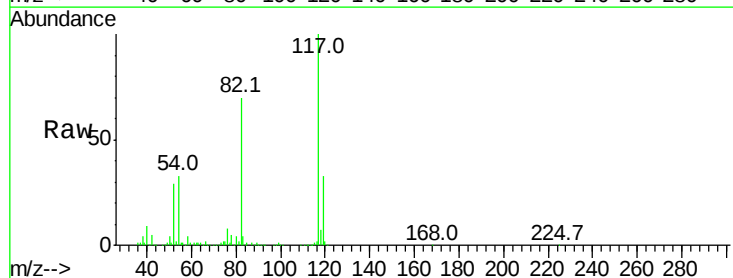
Tgt Ion: 117 Resp: 2492525

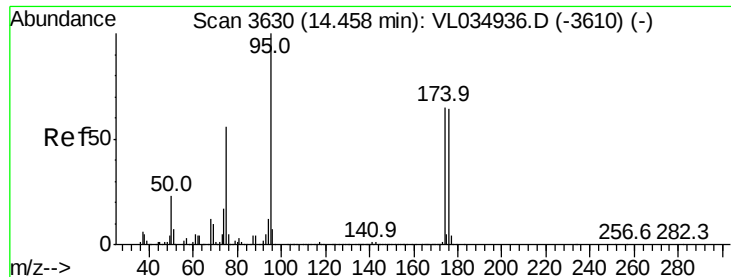
Ion Ratio Lower Upper

117 100

82 69.2 53.1 79.7

119 33.2 26.7 40.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.501 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. -0.00 min

Lab File: VL034941.D

Acq: 6 May 2020 13:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 95 Resp: 2041236

Ion Ratio Lower Upper

95 100

174 65.5 51.5 77.3

175 4.8 3.8 5.8

