

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010220\
 Data File : VL034544.D
 Acq On : 2 Jan 2020 12:44
 Operator : SY/AP
 Sample : VL0102ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABL01

Quant Time: Jan 03 01:10:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	907602	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1814872	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	1784195	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1482032	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

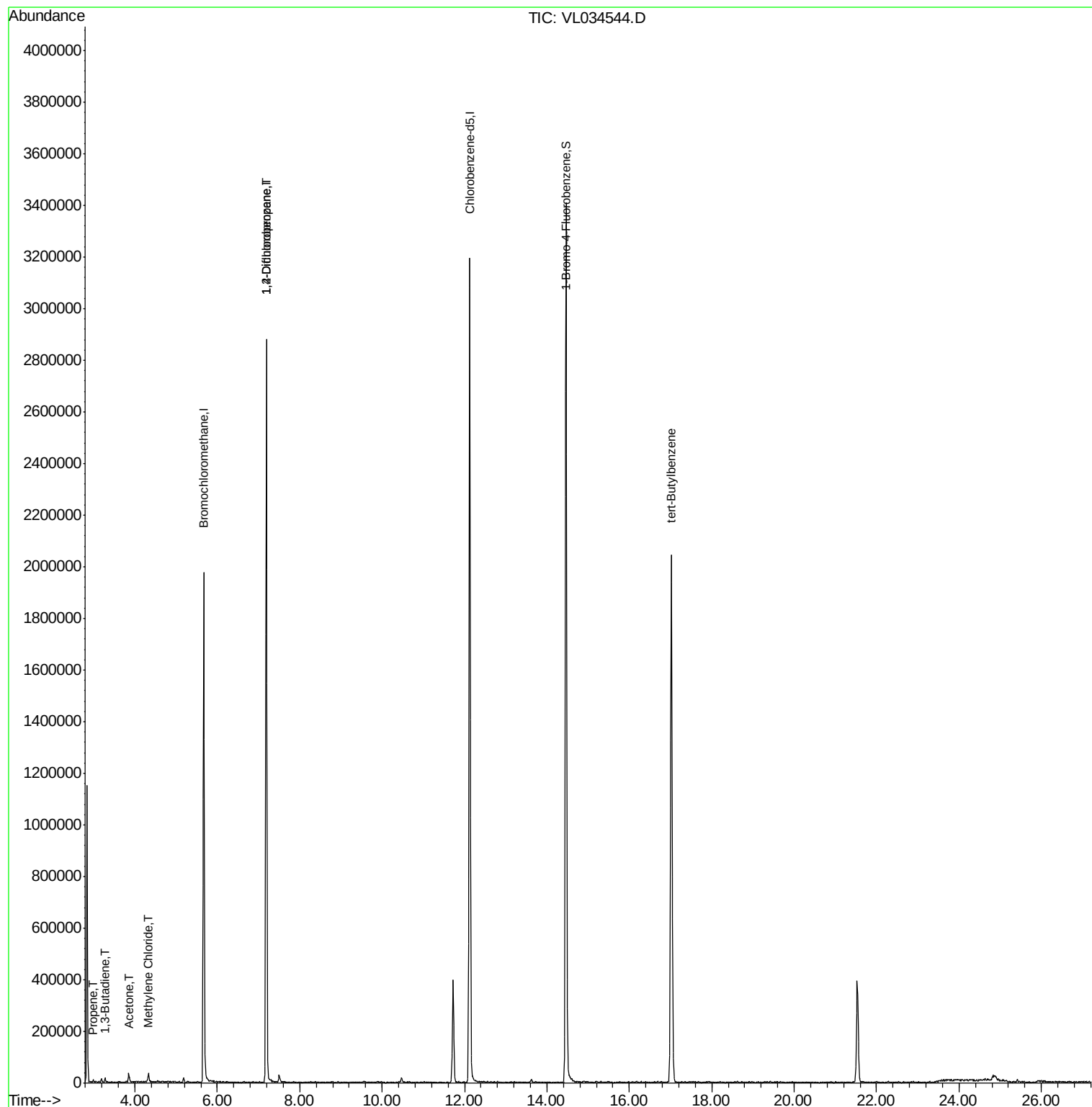
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	2.98	41	1543	0.037	ppbv #	15
15) Acetone	3.85	43	30016	0.227	ppbv #	68
16) 1,3-Butadiene	3.28	39	2084	0.041	ppbv #	16
20) Methylene Chloride	4.32	84	4304	0.083	ppbv	88
39) 1,2-Dichloropropane	7.19	63	535667	8.234	ppbv #	22
65) tert-Butylbenzene	17.01	119	11568	0.046	ppbv #	3

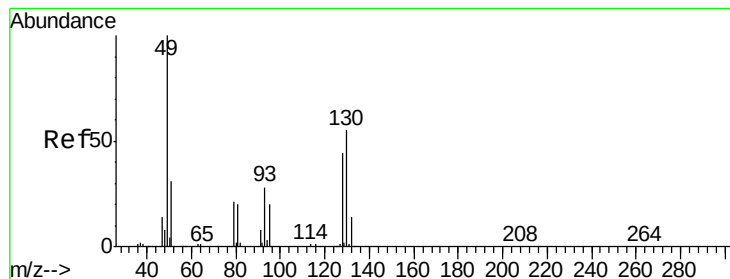
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL034544.D

Acq: 2 Jan 2020 12:44

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABL01

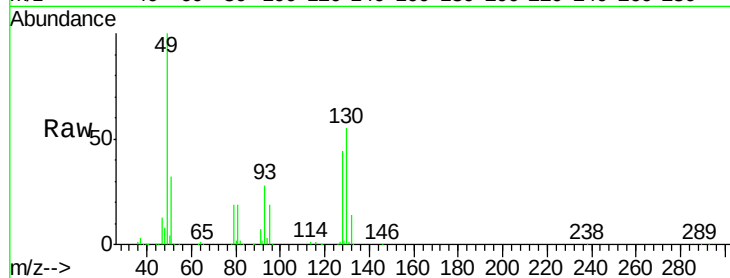
Tgt Ion: 49 Resp: 907602

Ion Ratio Lower Upper

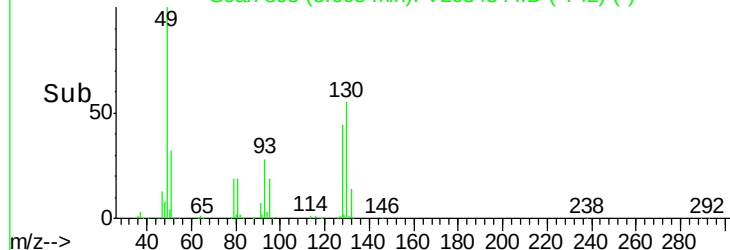
49 100

128 44.2 22.4 67.2

130 56.8 28.3 85.0



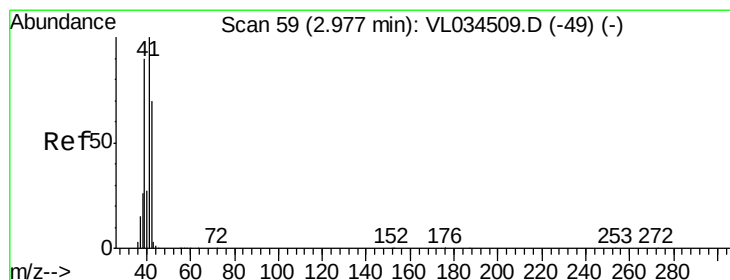
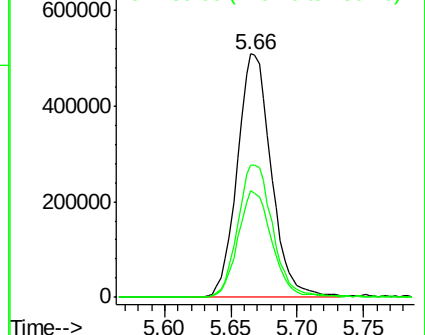
Scan 895 (5.665 min): VL034544.D (-742) (-)



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



#9

Propene

Concen: 0.037 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL034544.D

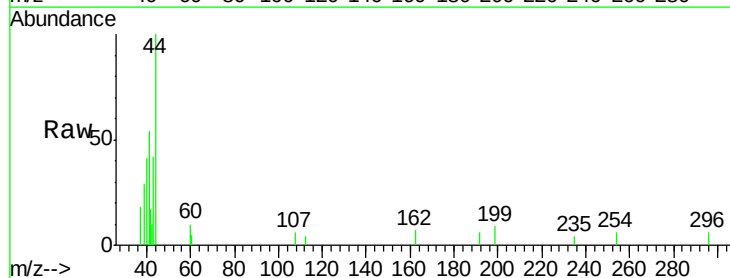
Acq: 2 Jan 2020 12:44

Tgt Ion: 41 Resp: 1543

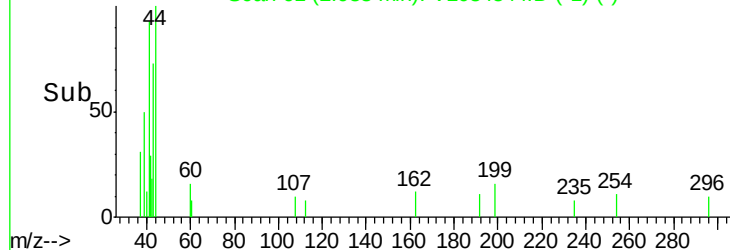
Ion Ratio Lower Upper

41 100

42 0.0 55.8 83.6#

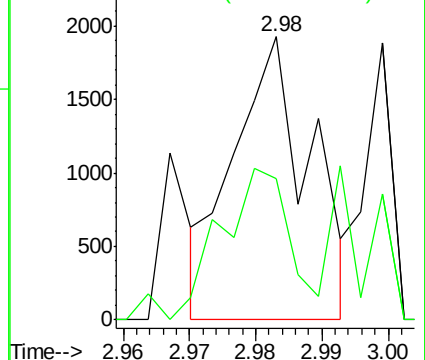


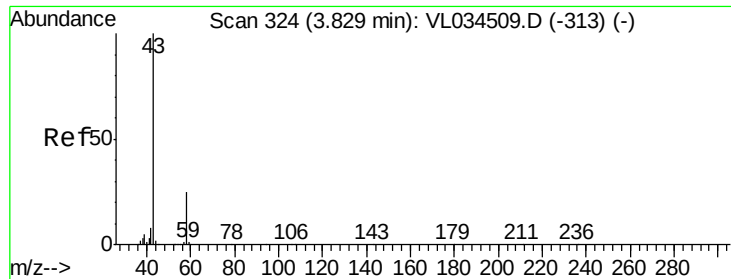
Scan 61 (2.983 min): VL034544.D (-1) (-)



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.227 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.02 min

Lab File: VL034544.D

Acq: 2 Jan 2020 12:44

Instrument :

MSVOA_L

ClientSampleId :

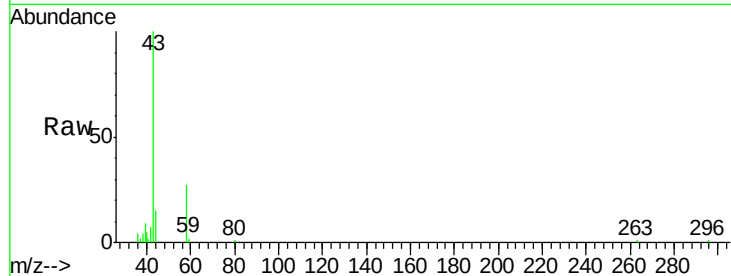
VL0102ABL01

Tgt Ion: 43 Resp: 30016

Ion Ratio Lower Upper

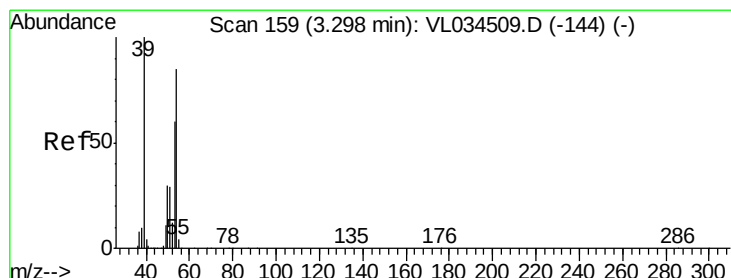
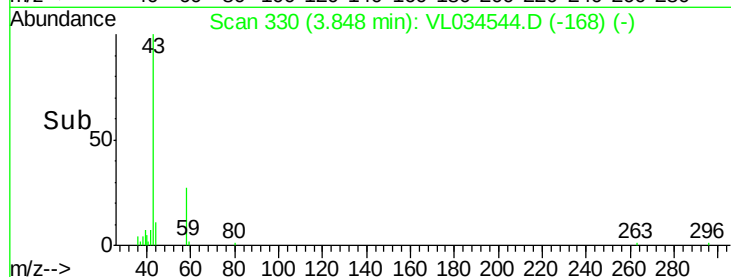
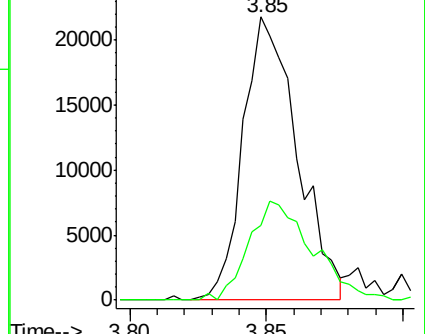
43 100

58 41.5 20.4 30.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.041 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.02 min

Lab File: VL034544.D

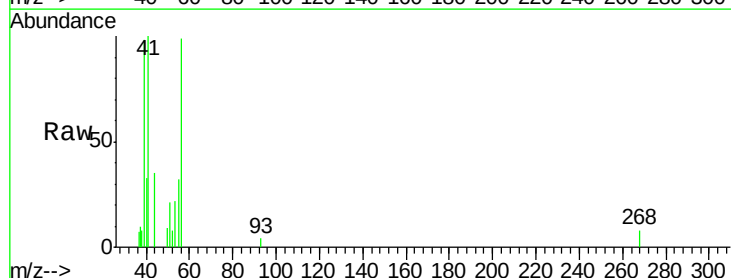
Acq: 2 Jan 2020 12:44

Tgt Ion: 39 Resp: 2084

Ion Ratio Lower Upper

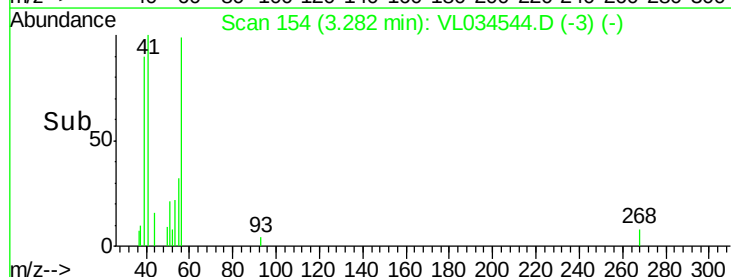
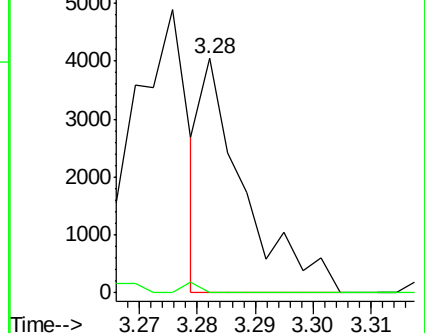
39 100

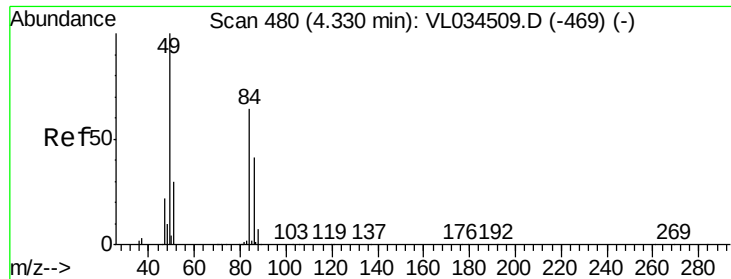
54 7.6 66.2 99.2#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

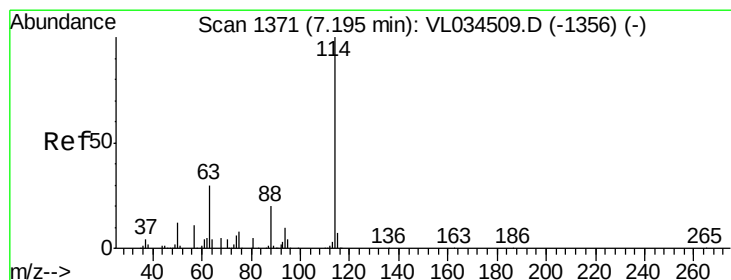
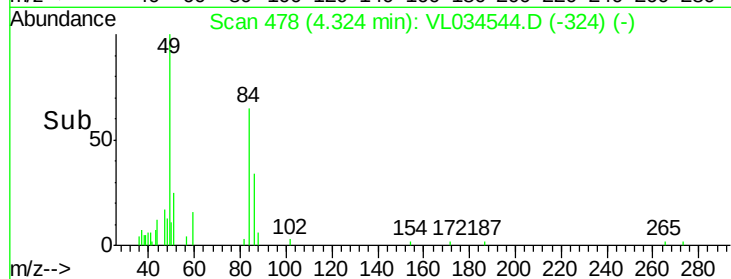
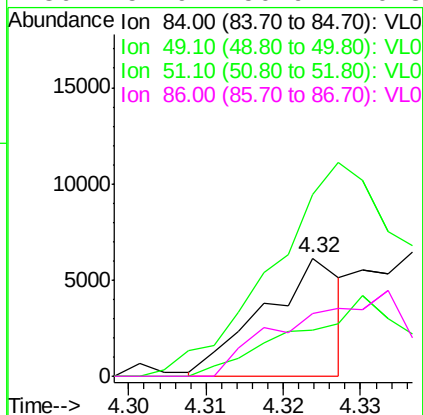
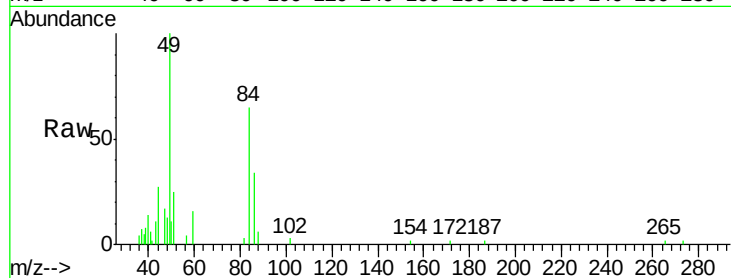




#20
Methylene Chloride
Concen: 0.083 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.01 min
Lab File: VL034544.D
Acq: 2 Jan 2020 12:44

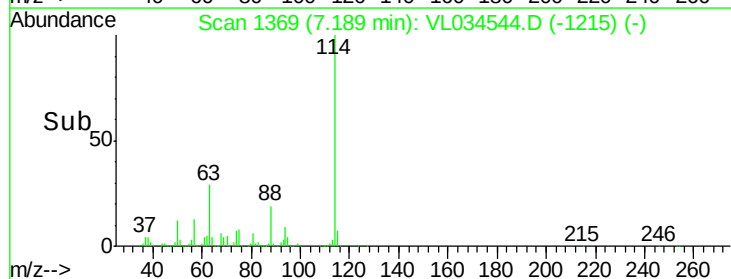
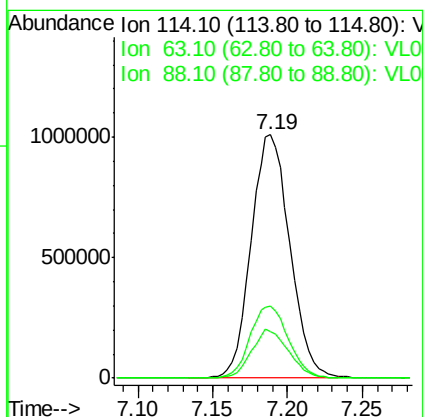
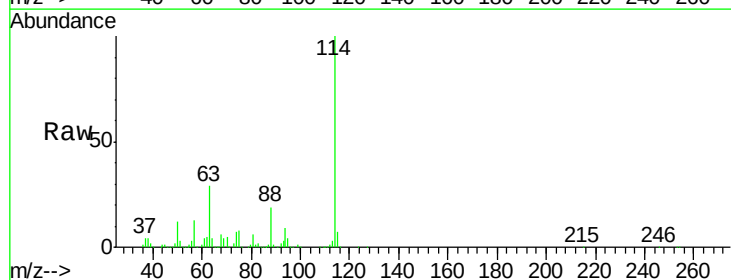
Instrument :
MSVOA_L
ClientSampleId :
VL0102ABL01

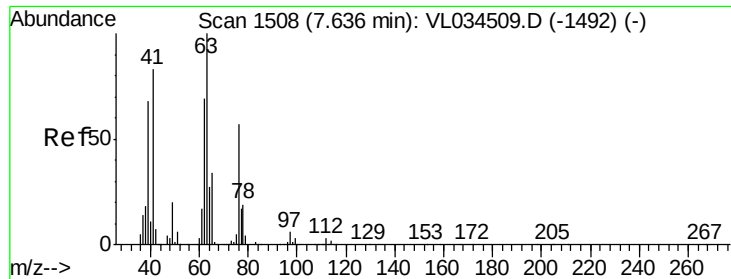
Tgt Ion:	84	Resp:	4304
Ion	Ratio	Lower	Upper
84	100		
49	137.6	124.4	186.6
51	40.7	37.0	55.6
86	54.9	50.9	76.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VL034544.D
Acq: 2 Jan 2020 12:44

Tgt Ion:	114	Resp:	1814872
Ion	Ratio	Lower	Upper
114	100		
63	29.7	24.1	36.1
88	19.1	15.7	23.5





#39

1,2-Dichloropropane

Concen: 8.234 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.45 min

Lab File: VL034544.D

Acq: 2 Jan 2020 12:44

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABL01

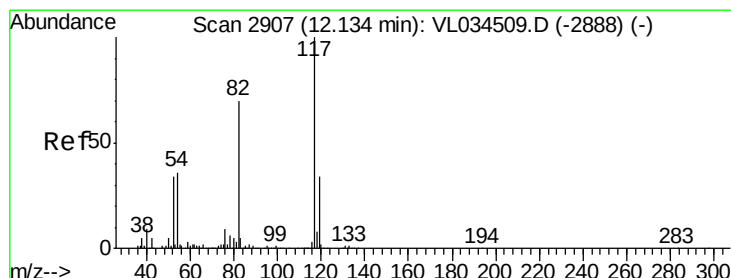
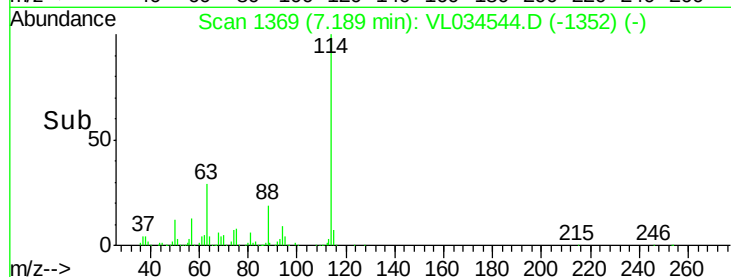
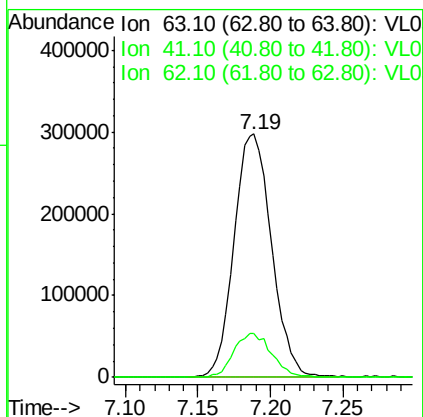
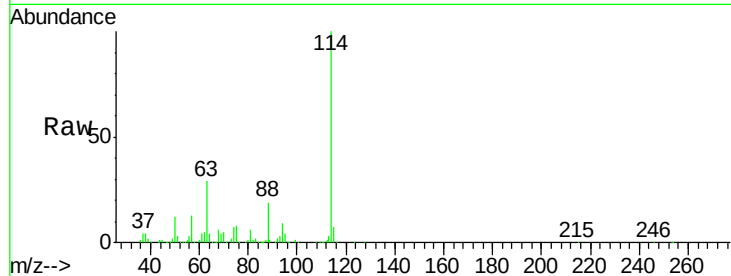
Tgt Ion: 63 Resp: 535667

Ion Ratio Lower Upper

63 100

41 0.0 66.1 99.1#

62 18.2 54.9 82.3#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL034544.D

Acq: 2 Jan 2020 12:44

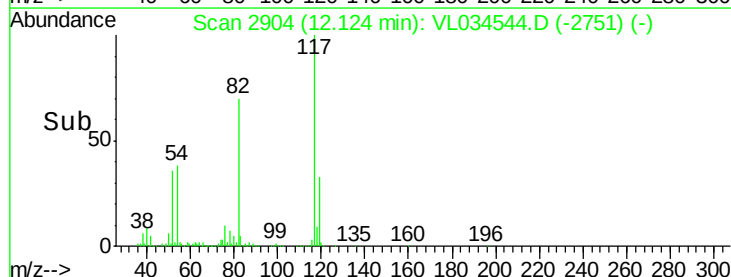
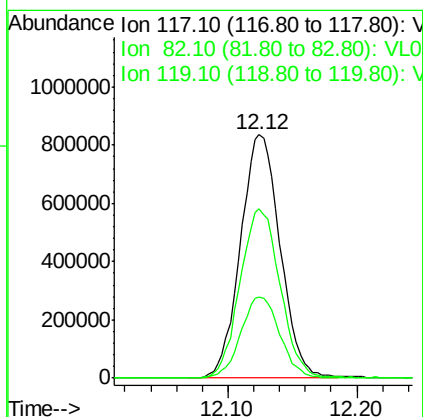
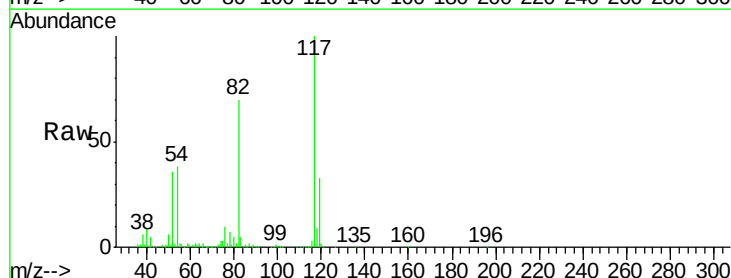
Tgt Ion: 117 Resp: 1784195

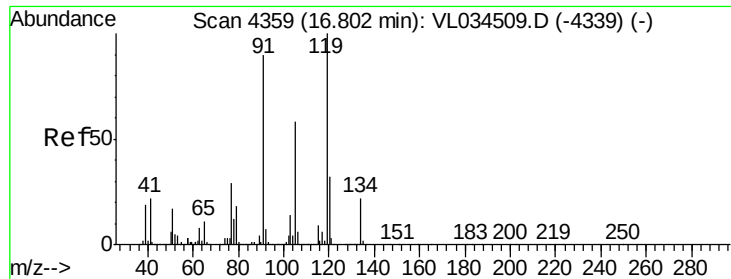
Ion Ratio Lower Upper

117 100

82 71.2 56.2 84.4

119 33.3 27.1 40.7





#65

tert-Butylbenzene

Concen: 0.046 ppbv

RT: 17.01 min Scan# 4422

Delta R.T. 0.20 min

Lab File: VL034544.D

Acq: 2 Jan 2020 12:44

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABL01

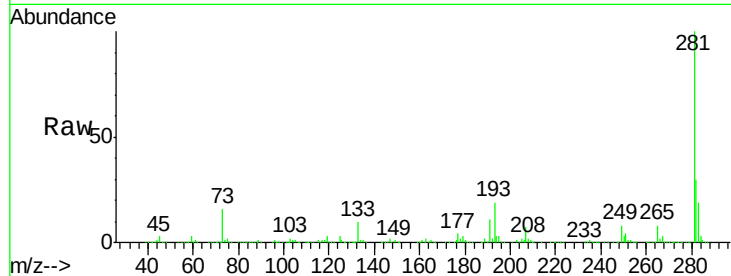
Tgt Ion: 119 Resp: 11568

Ion Ratio Lower Upper

119 100

91 0.8 72.0 108.0#

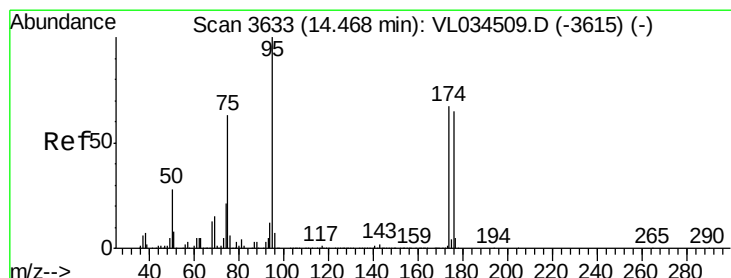
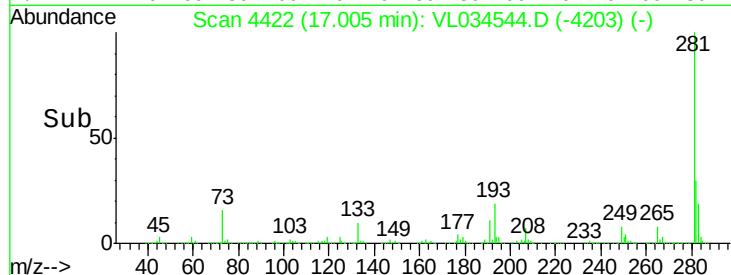
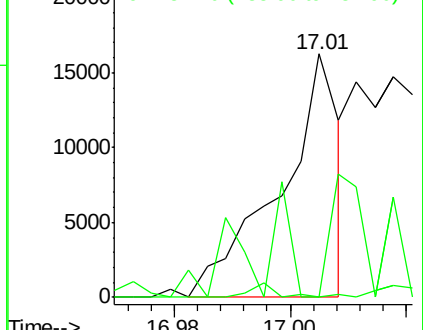
134 70.0 16.1 24.1#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.954 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. -0.01 min

Lab File: VL034544.D

Acq: 2 Jan 2020 12:44

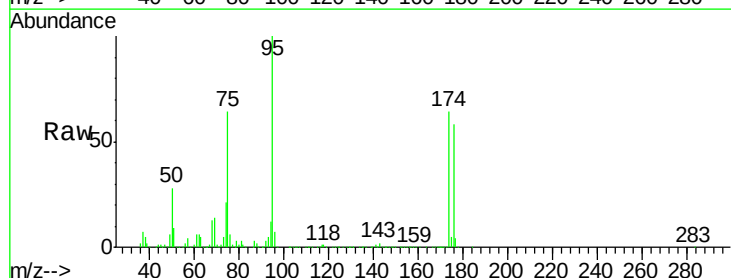
Tgt Ion: 95 Resp: 1482032

Ion Ratio Lower Upper

95 100

174 64.7 52.4 78.6

175 4.5 3.9 5.9



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

