

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111919\
 Data File : VL034395.D
 Acq On : 20 Nov 2019 1:30
 Operator : SY/AP
 Sample : K5924-02DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL2

Quant Time: Nov 20 04:07:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 20 03:30:54 2019
 QLast Update : Wed Nov 20 03:30:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	970991	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1889421	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1847292	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1572818	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

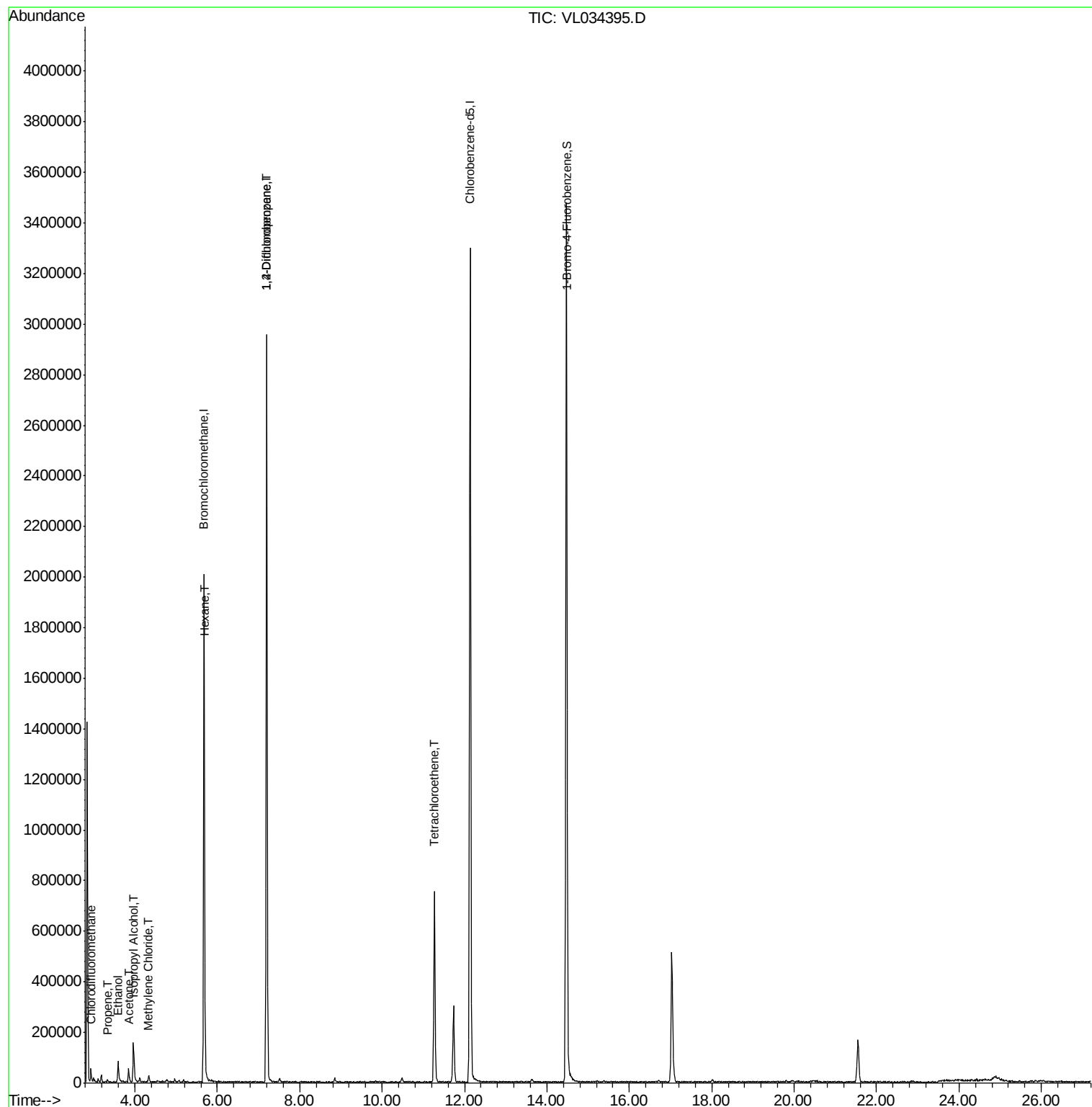
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.93	51	29224	0.241	ppbv #	57
9) Propene	3.34	41	1715	0.032	ppbv	97
13) Ethanol	3.59	45	82772	5.254	ppbv	97
15) Acetone	3.85	43	44715	0.322	ppbv #	88
19) Isopropyl Alcohol	3.96	45	166145	1.643	ppbv #	96
20) Methylene Chloride	4.34	84	6226	0.126	ppbv #	82
26) Hexane	5.69	57	3293	0.031	ppbv #	36
39) 1,2-Dichloropropane	7.20	63	558400	6.974	ppbv #	23
52) Tetrachloroethene	11.28	164	167290	2.047	ppbv	94

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL111919\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 20 03:30:54 2019
QLast Update : Wed Nov 20 03:30:54 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034395.D

Acq: 20 Nov 2019 1:30

Instrument :

MSVOA_L

ClientSampleId :

IA2DL2

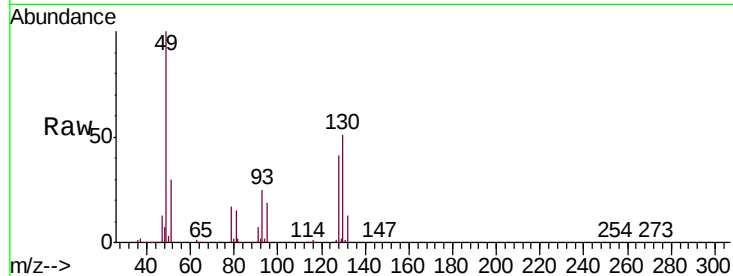
Tgt Ion: 49 Resp: 970991

Ion Ratio Lower Upper

49 100

128 42.8 21.8 65.3

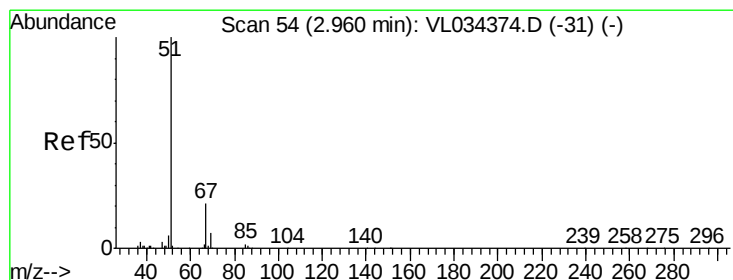
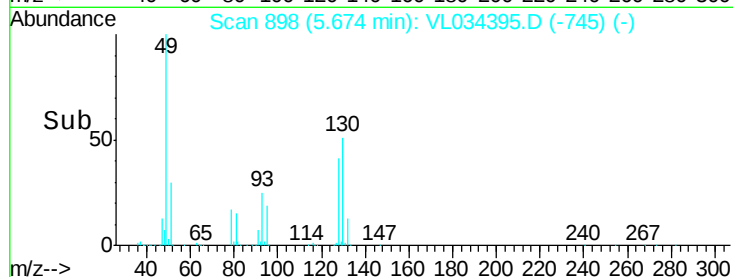
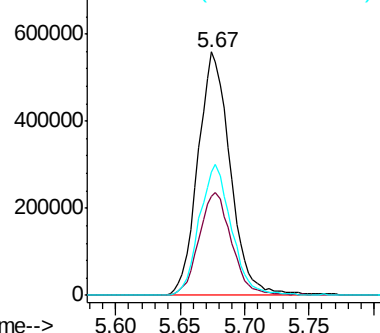
130 53.9 28.0 84.0



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: 0.241 ppbv

RT: 2.93 min Scan# 45

Delta R.T. -0.03 min

Lab File: VL034395.D

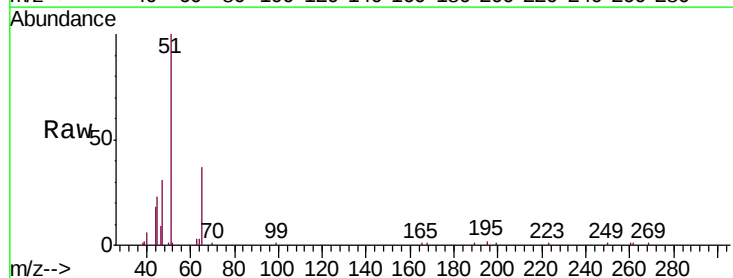
Acq: 20 Nov 2019 1:30

Tgt Ion: 51 Resp: 29224

Ion Ratio Lower Upper

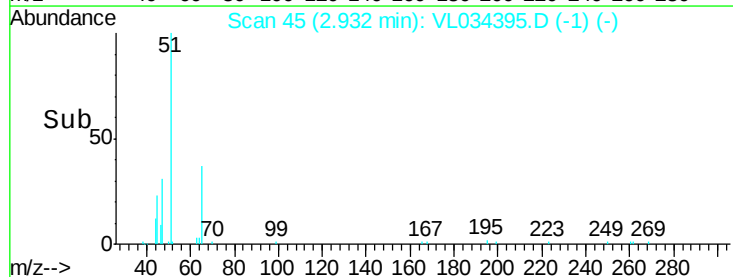
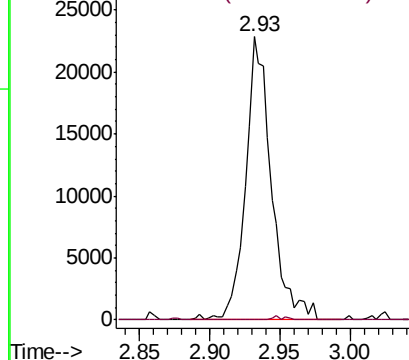
51 100

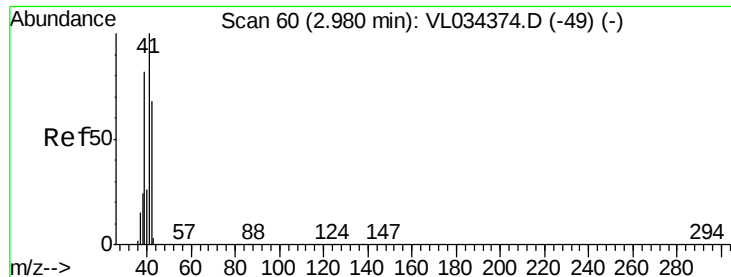
67 0.6 16.2 24.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.032 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.36 min

Lab File: VL034395.D

Acq: 20 Nov 2019 1:30

Instrument :

MSVOA_L

ClientSampleId :

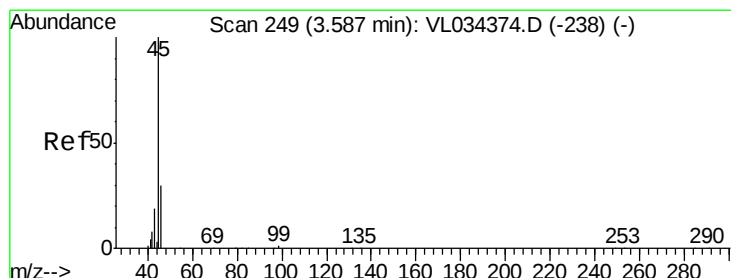
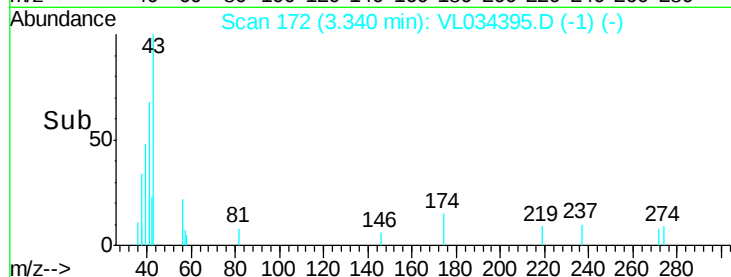
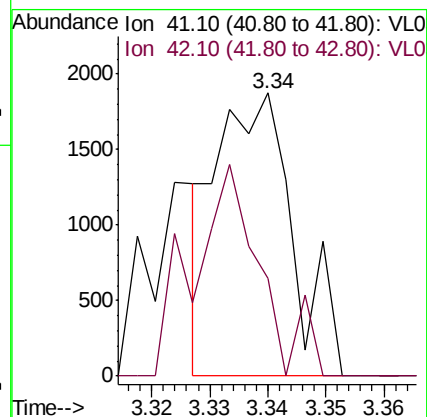
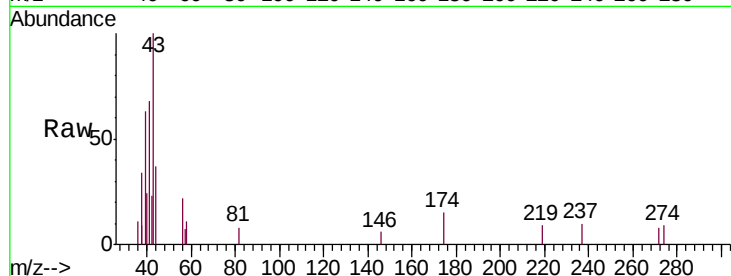
IA2DL2

Tgt Ion: 41 Resp: 1715

Ion Ratio Lower Upper

41 100

42 65.8 54.6 82.0



#13

Ethanol

Concen: 5.254 ppbv

RT: 3.59 min Scan# 249

Delta R.T. 0.00 min

Lab File: VL034395.D

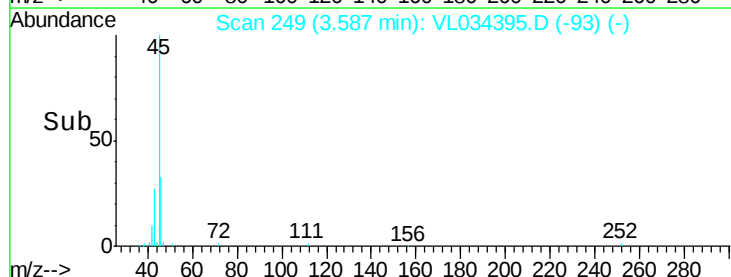
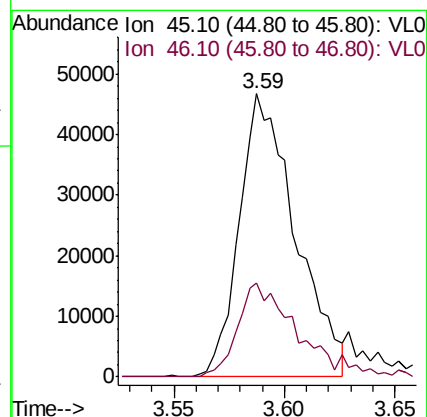
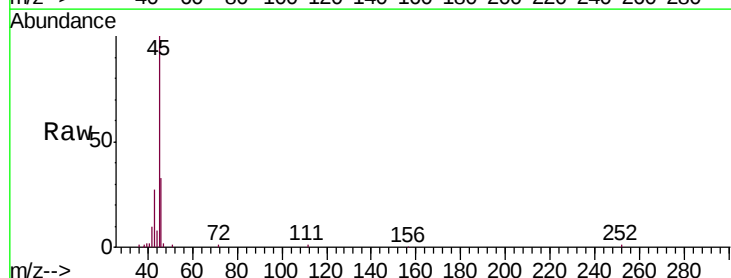
Acq: 20 Nov 2019 1:30

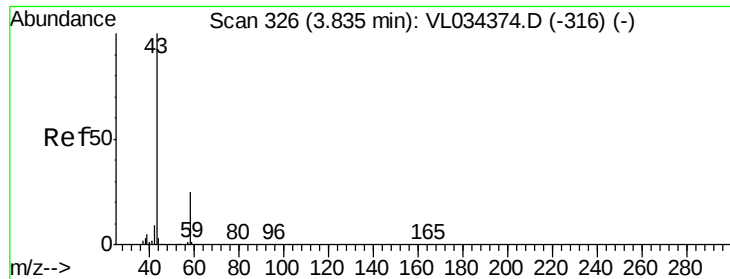
Tgt Ion: 45 Resp: 82772

Ion Ratio Lower Upper

45 100

46 36.3 13.8 55.4





#15

Acetone

Concen: 0.322 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL034395.D

Acq: 20 Nov 2019 1:30

Instrument :

MSVOA_L

ClientSampleId :

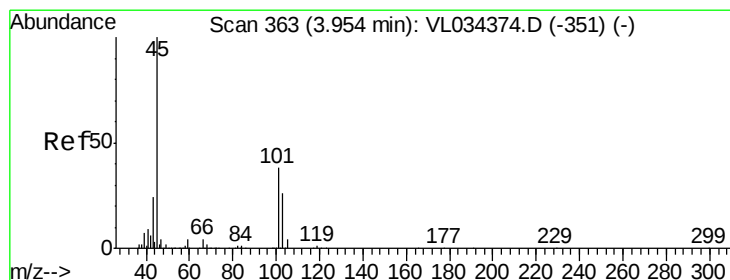
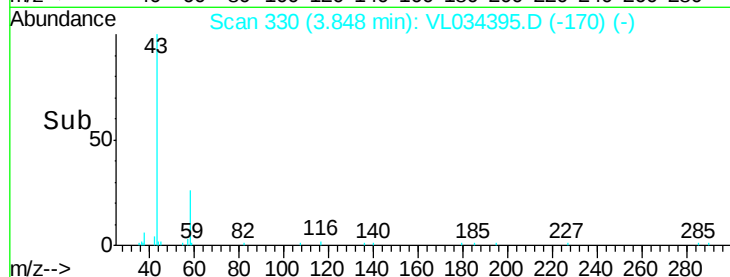
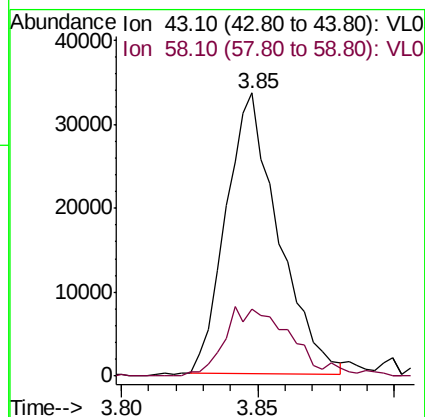
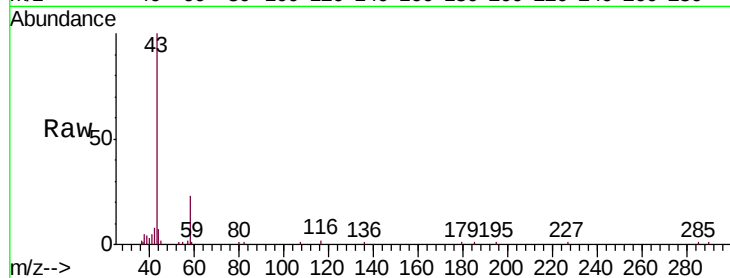
IA2DL2

Tgt Ion: 43 Resp: 44715

Ion Ratio Lower Upper

43 100

58 31.3 20.2 30.4#



#19

Isopropyl Alcohol

Concen: 1.643 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL034395.D

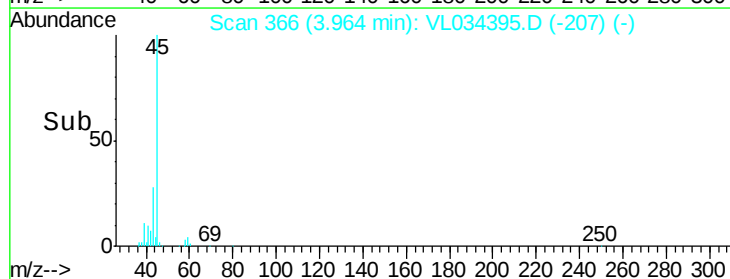
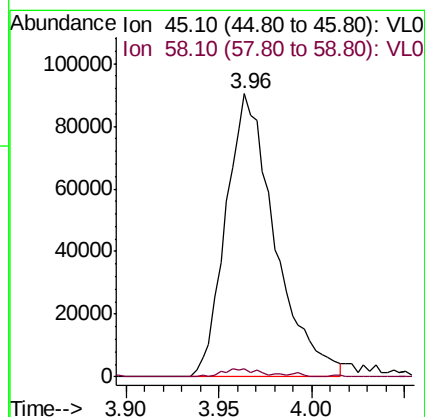
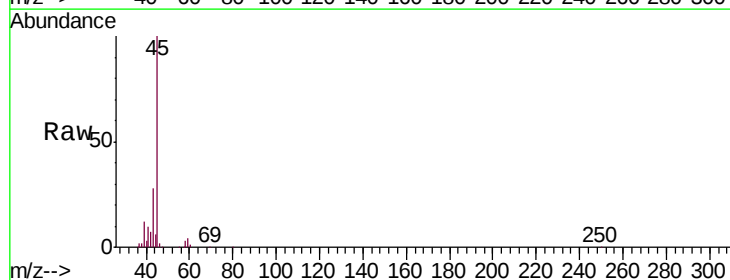
Acq: 20 Nov 2019 1:30

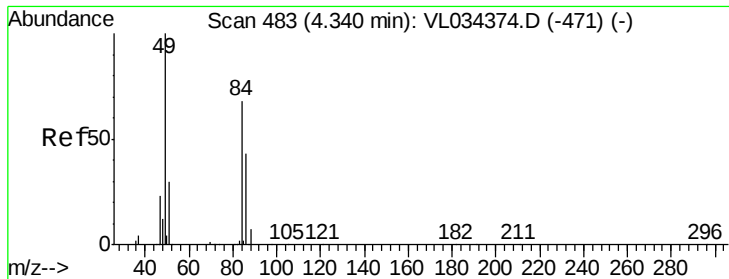
Tgt Ion: 45 Resp: 166145

Ion Ratio Lower Upper

45 100

58 2.9 1.3 1.9#

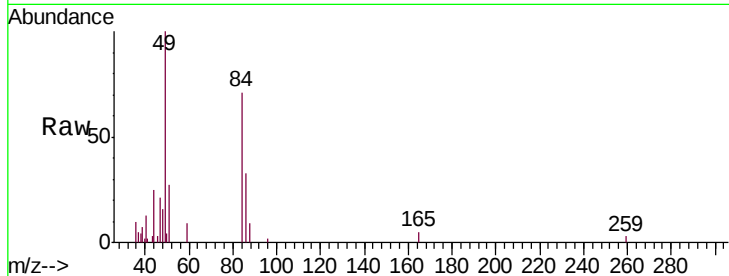




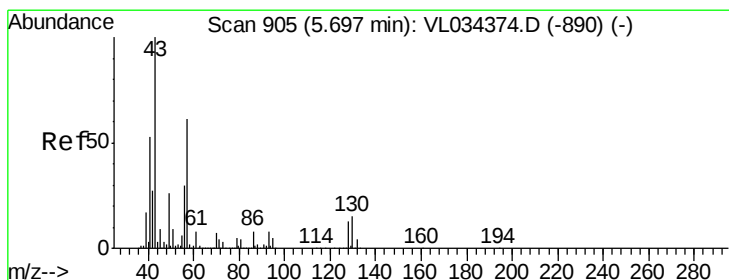
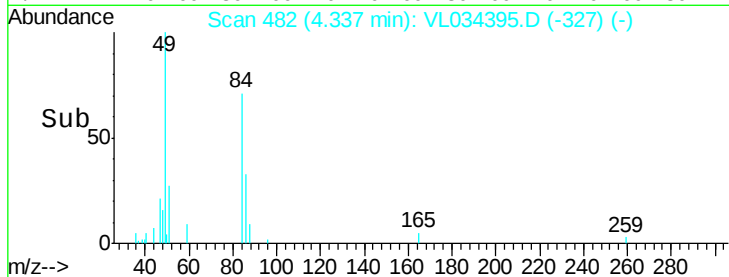
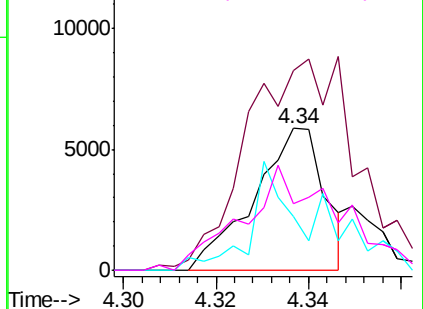
#20
Methylene Chloride
Concen: 0.126 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034395.D
Acq: 20 Nov 2019 1:30

Instrument :
MSVOA_L
ClientSampleId :
IA2DL2

Tgt Ion: 84 Resp: 6226
Ion Ratio Lower Upper
84 100
49 134.4 116.8 175.2
51 29.4 35.6 53.4#
86 36.6 50.7 76.1#

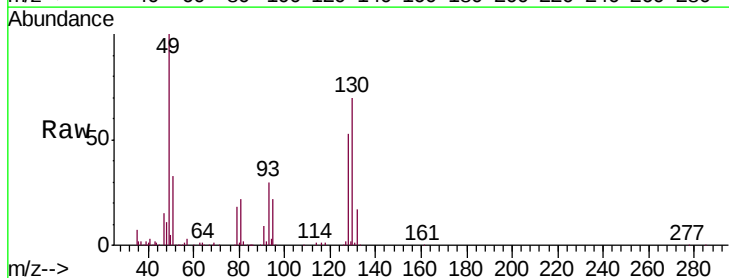


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

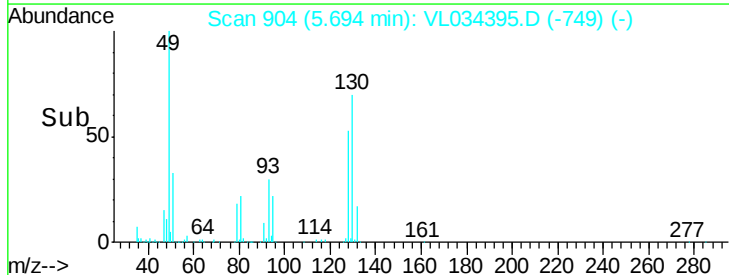
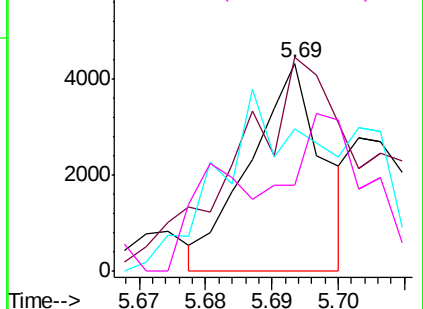


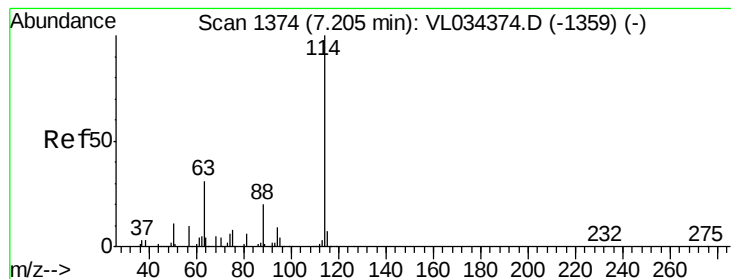
#26
Hexane
Concen: 0.031 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034395.D
Acq: 20 Nov 2019 1:30

Tgt Ion: 57 Resp: 3293
Ion Ratio Lower Upper
57 100
41 195.2 75.0 112.4#
43 174.1 186.6 279.8#
56 132.4 41.5 62.3#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.01 min

Lab File: VL034395.D

Acq: 20 Nov 2019 1:30

Instrument :

MSVOA_L

ClientSampleId :

IA2DL2

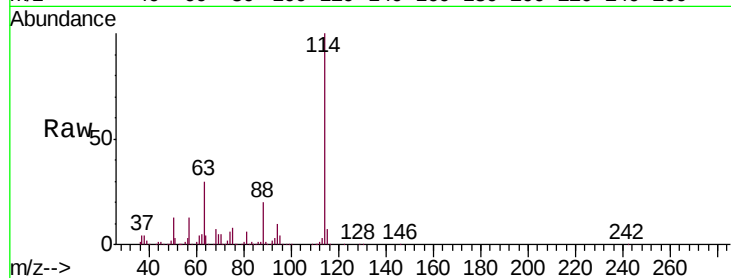
Tgt Ion: 114 Resp: 1889421

Ion Ratio Lower Upper

114 100

63 29.7 24.2 36.4

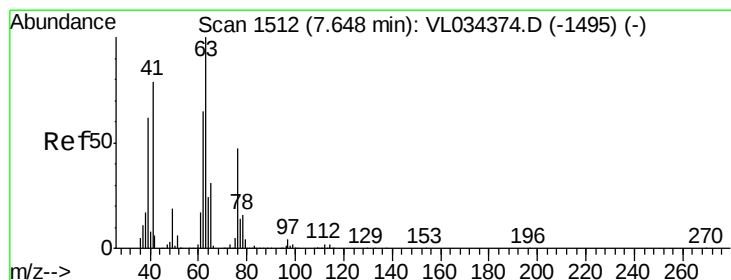
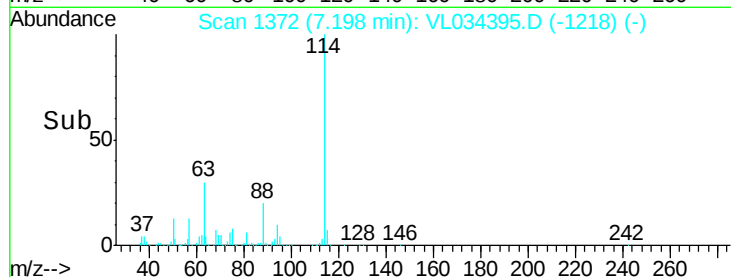
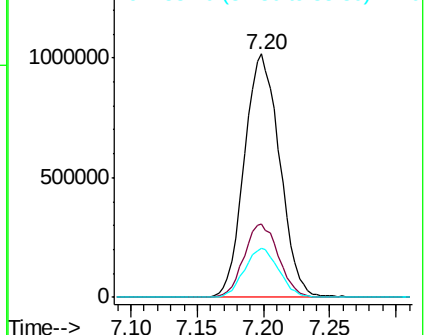
88 19.7 15.9 23.9



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: 6.974 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.45 min

Lab File: VL034395.D

Acq: 20 Nov 2019 1:30

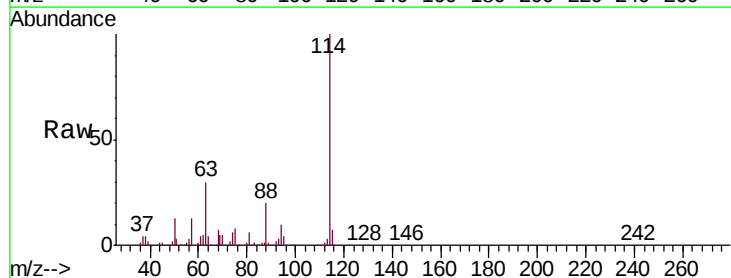
Tgt Ion: 63 Resp: 558400

Ion Ratio Lower Upper

63 100

41 0.0 63.1 94.7#

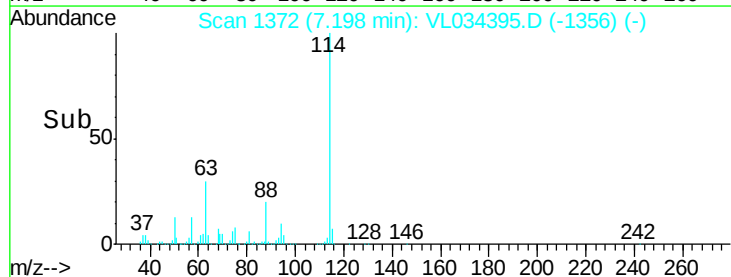
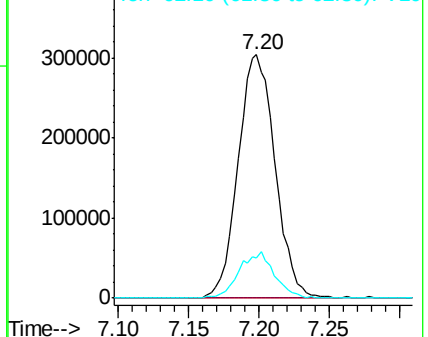
62 16.7 52.3 78.5#

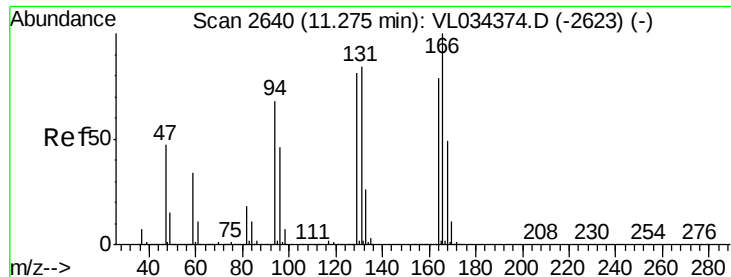


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 2.047 ppbv

RT: 11.28 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VL034395.D

Acq: 20 Nov 2019 1:30

Instrument :

MSVOA_L

ClientSampleId :

IA2DL2

Tgt Ion:164 Resp: 167290

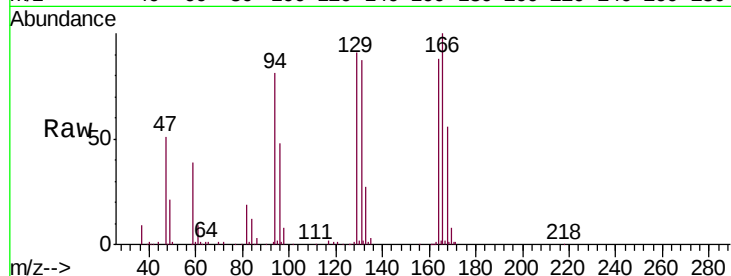
Ion Ratio Lower Upper

164 100

166 114.3 101.7 152.5

129 103.6 82.6 123.8

131 99.6 85.2 127.8



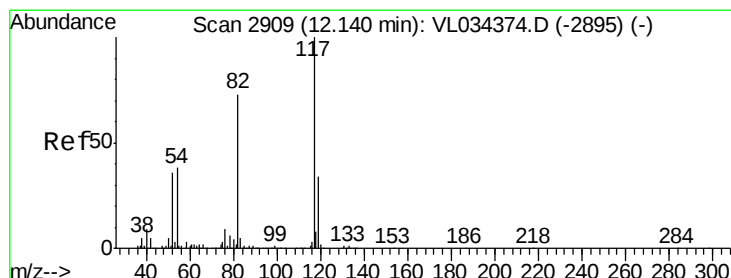
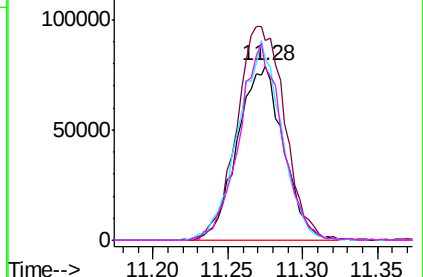
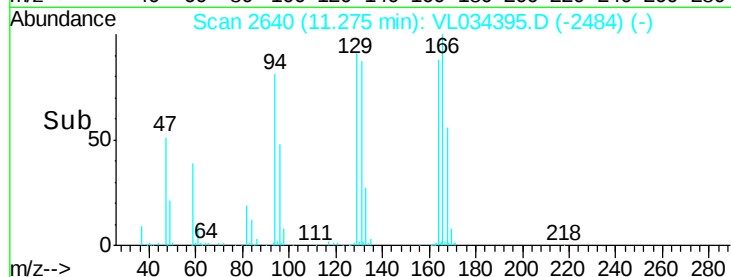
Abundance Ion 163.90 (163.60 to 164.60): V

150000 Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL034395.D

Acq: 20 Nov 2019 1:30

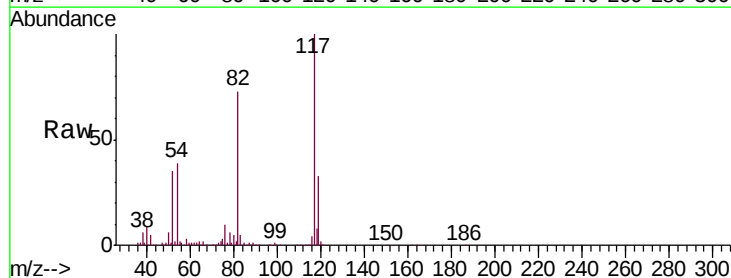
Tgt Ion:117 Resp: 1847292

Ion Ratio Lower Upper

117 100

82 73.3 57.5 86.3

119 33.2 25.4 38.2

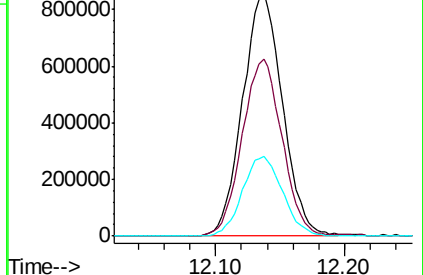
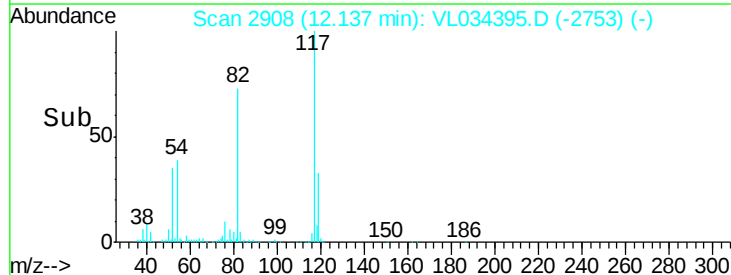


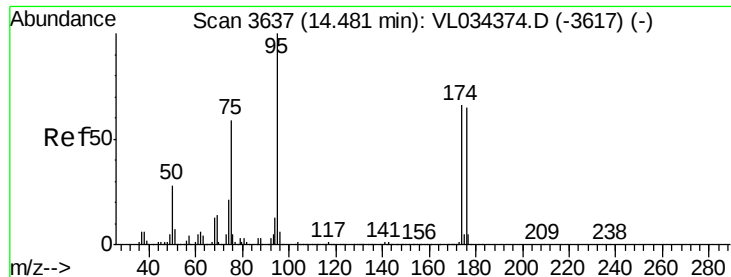
Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V

Time-->





#68

1-Bromo-4-Fluorobenzene

Concen: 10.121 ppbv

RT: 14.47 min Scan# 3635

Delta R.T. -0.01 min

Lab File: VL034395.D

Acq: 20 Nov 2019 1:30

Instrument :

MSVOA_L

ClientSampleId :

IA2DL2

Tgt Ion: 95 Resp: 1572818

Ion Ratio Lower Upper

95 100

174 65.9 52.2 78.2

175 4.6 3.8 5.8

