

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
 Data File : VL034474.D
 Acq On : 9 Dec 2019 21:27
 Operator : SY/AP
 Sample : K6195-04DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-HWDL

Quant Time: Dec 10 03:41:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	908042	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1774775	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1783365	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1517490	10.11	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

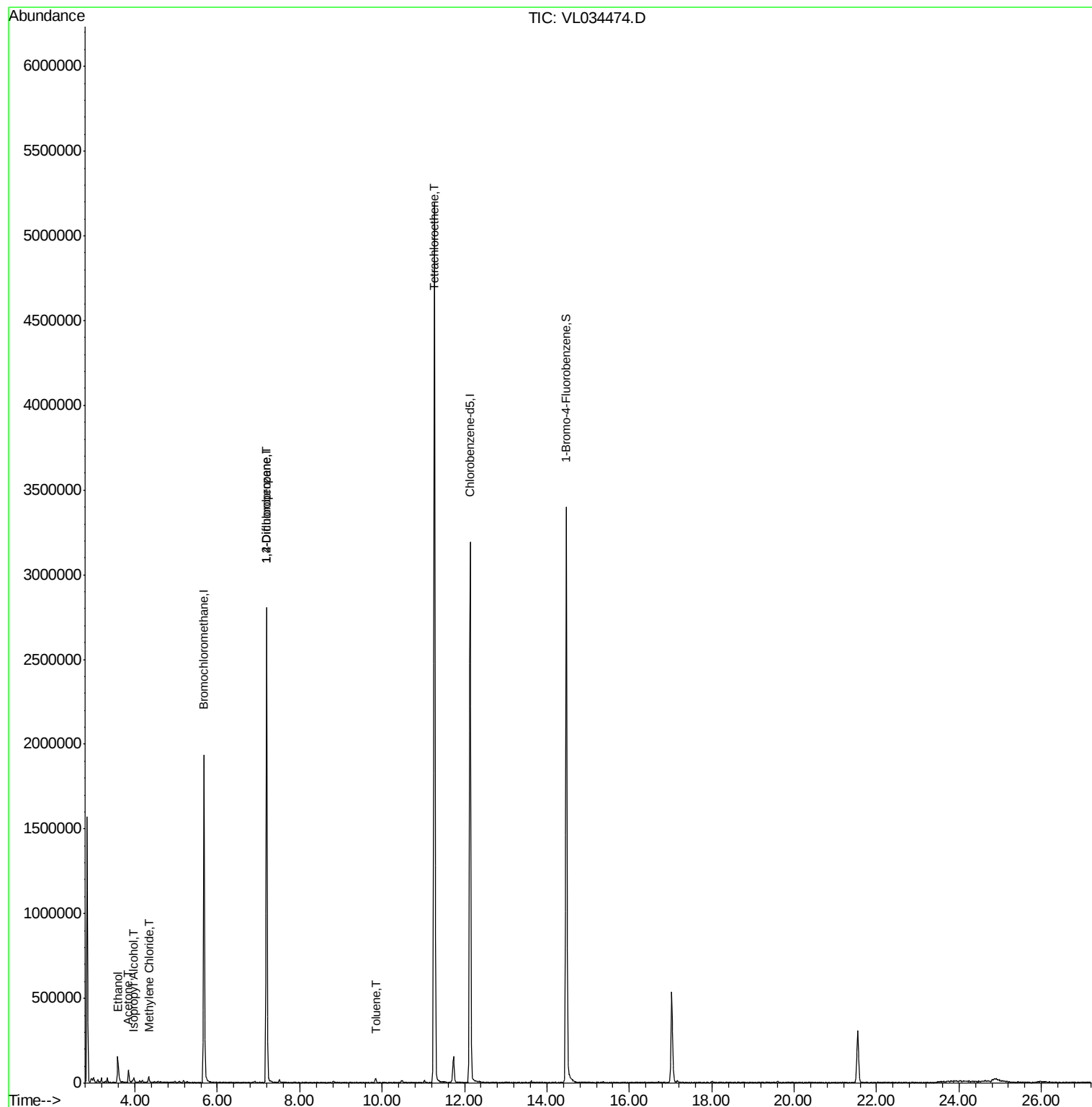
Target Compounds						Qvalue
13) Ethanol	3.58	45	160830	11.478	ppbv	96
15) Acetone	3.84	43	65716	0.505	ppbv	94
19) Isopropyl Alcohol	3.98	45	7073	0.085	ppbv #	60
20) Methylene Chloride	4.33	84	5296	0.115	ppbv	94
39) 1,2-Dichloropropane	7.20	63	532606	7.792	ppbv #	24
52) Tetrachloroethene	11.27	164	1198078	15.608	ppbv	97
53) Toluene	9.84	91	12122	0.060	ppbv #	44

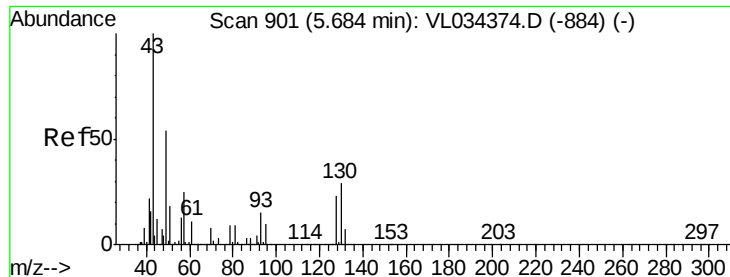
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

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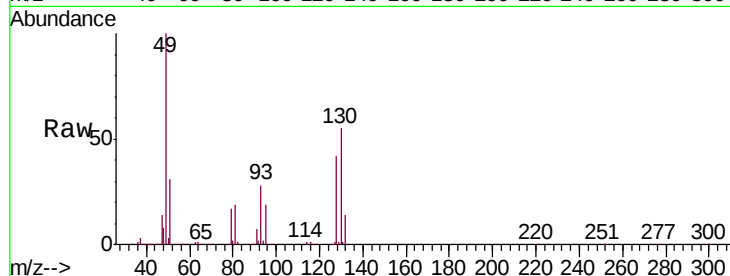
Tgt Ion: 49 Resp: 908042

Ion Ratio Lower Upper

49 100

128 43.0 21.8 65.3

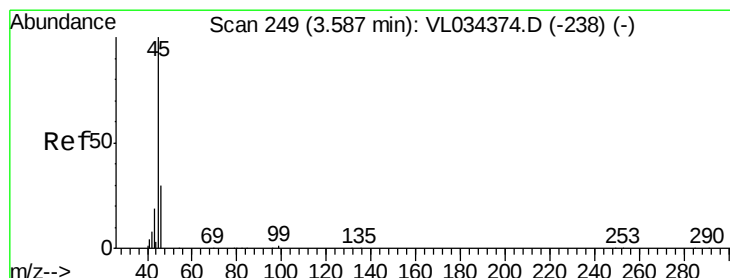
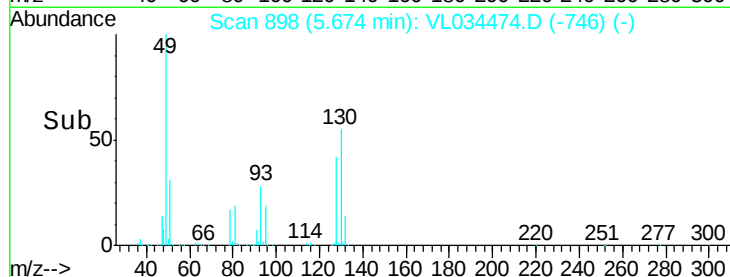
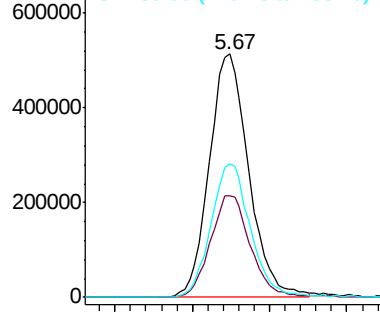
130 56.0 28.0 84.0



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



#13

Ethanol

Concen: 11.478 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.00 min

Lab File: VL034474.D

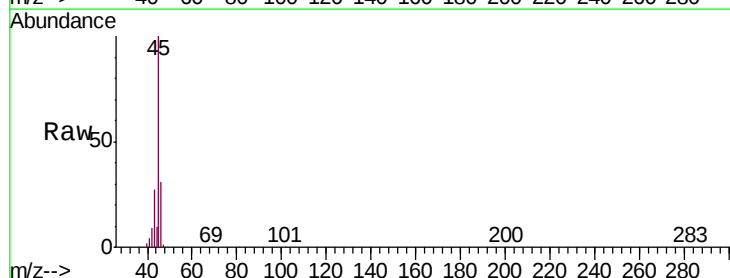
Acq: 9 Dec 2019 21:27

Tgt Ion: 45 Resp: 160830

Ion Ratio Lower Upper

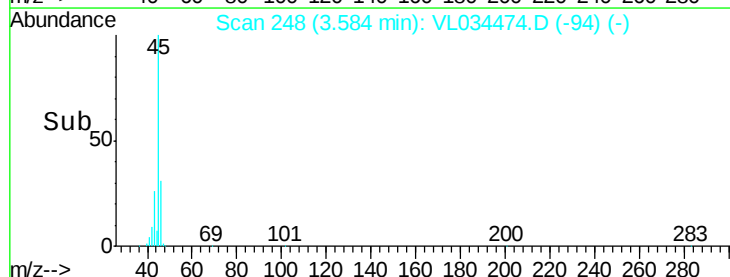
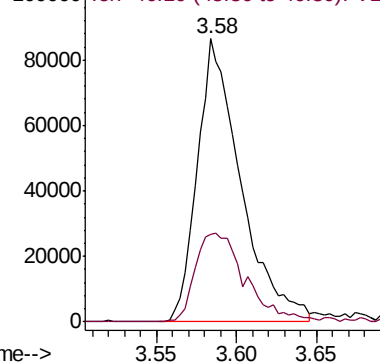
45 100

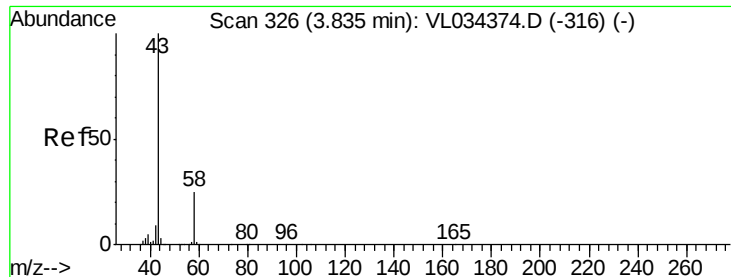
46 36.7 13.8 55.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.505 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL034474.D

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Instrument :

MSVOA_L

ClientSampleId :

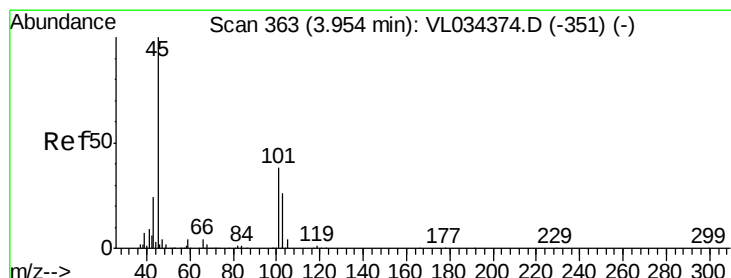
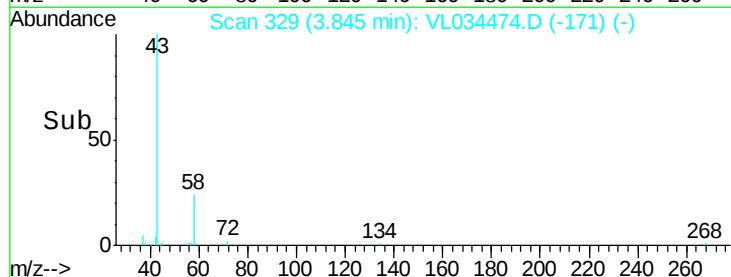
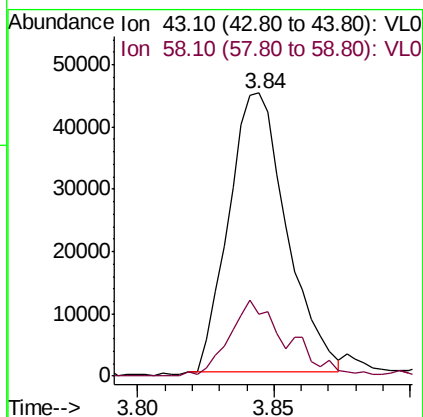
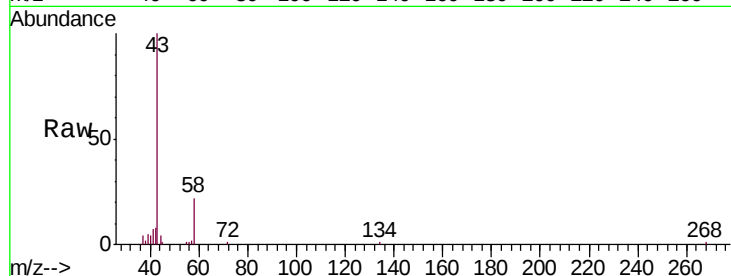
IA-HWDL

Tgt Ion: 43 Resp: 65716

Ion Ratio Lower Upper

43 100

58 28.1 20.2 30.4



#19

Isopropyl Alcohol

Concen: 0.085 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.03 min

Lab File: VL034474.D

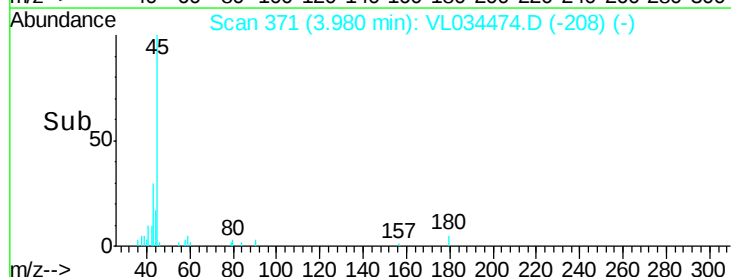
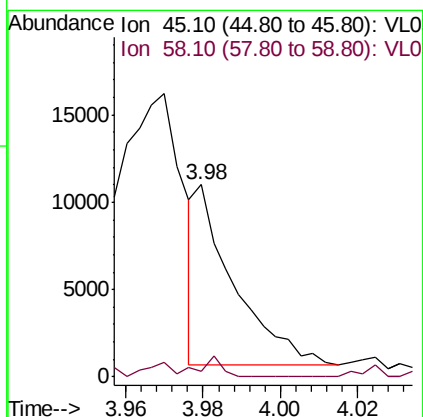
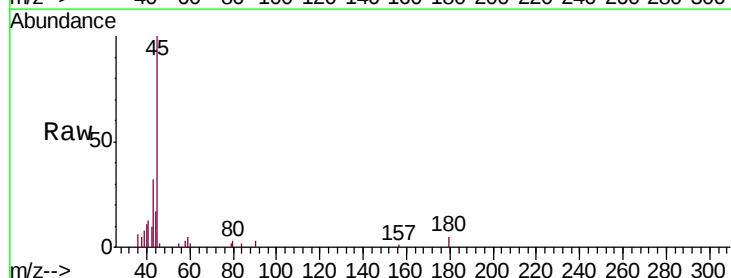
Acq: 9 Dec 2019 21:27

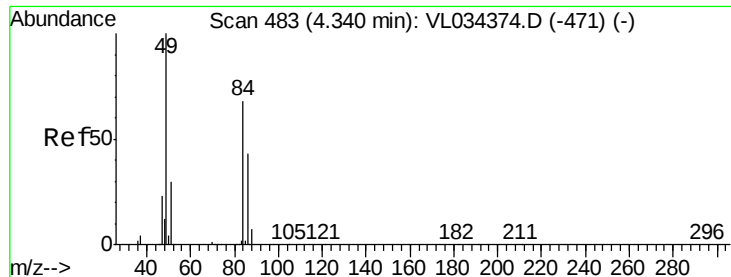
Tgt Ion: 45 Resp: 7073

Ion Ratio Lower Upper

45 100

58 16.7 1.3 1.9#

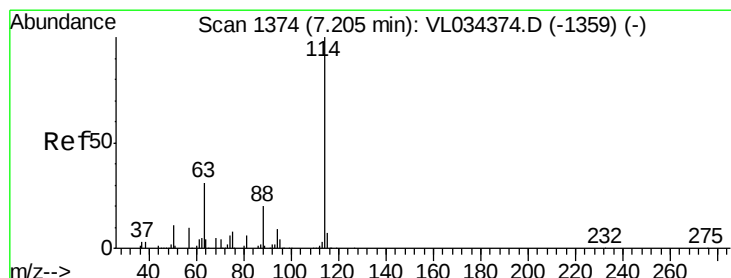
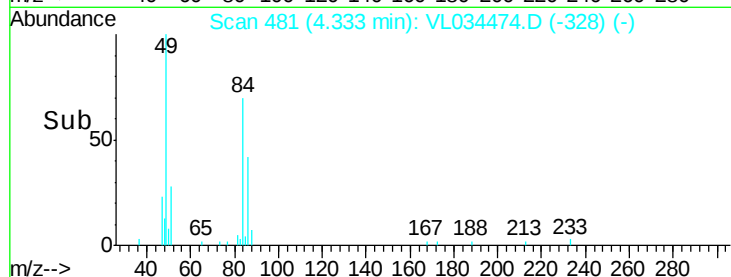
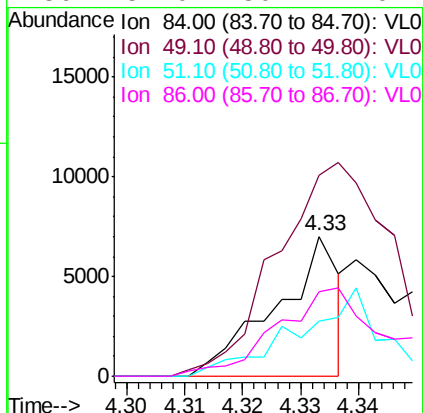
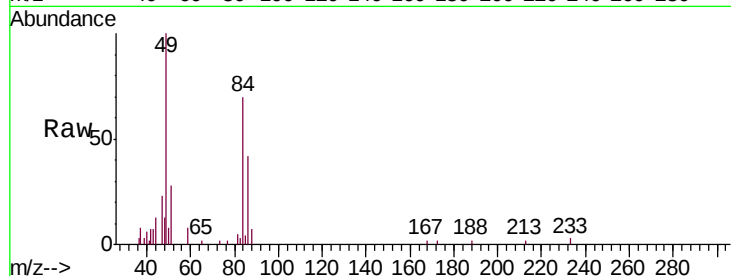




#20
Methylene Chloride
Concen: 0.115 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL034474.D
Acq: 9 Dec 2019 21:27

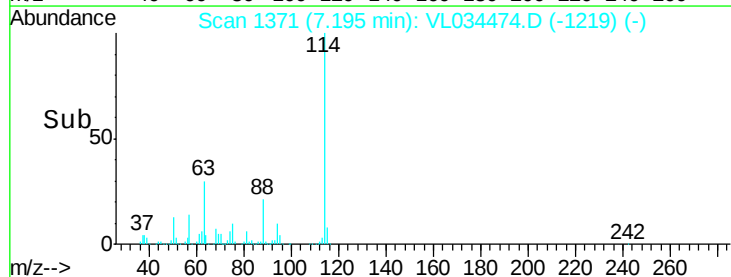
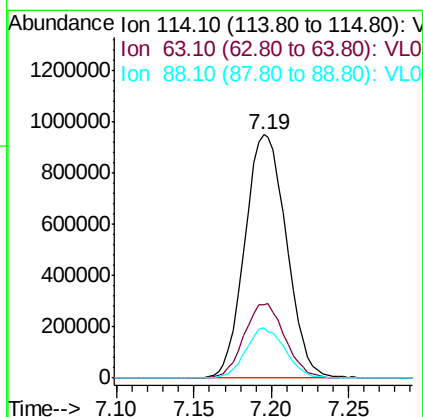
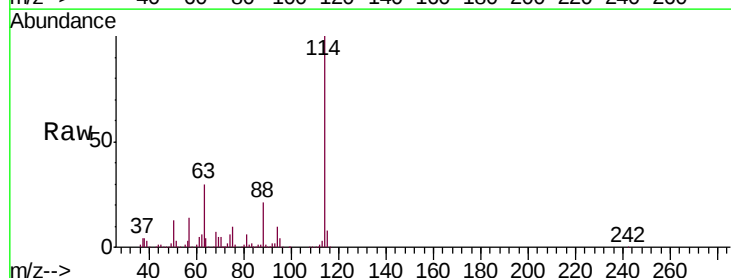
Instrument :
MSVOA_L
ClientSampleId :
IA-HWDL

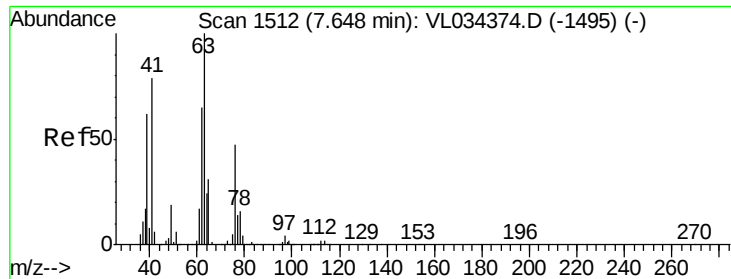
Tgt Ion:	84	Resp:	5296
Ion	Ratio	Lower	Upper
84	100		
49	139.4	116.8	175.2
51	39.6	35.6	53.4
86	57.0	50.7	76.1



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. -0.01 min
Lab File: VL034474.D
Acq: 9 Dec 2019 21:27

Tgt Ion:	114	Resp:	1774775
Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.2	36.4
88	19.5	15.9	23.9

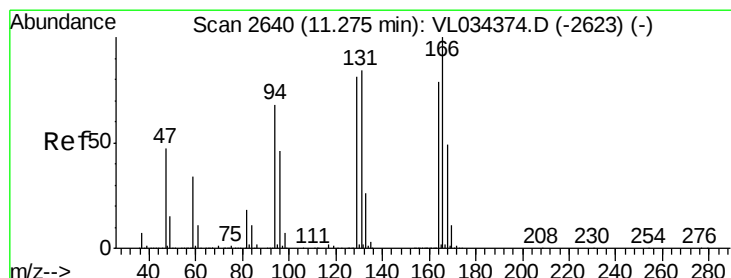
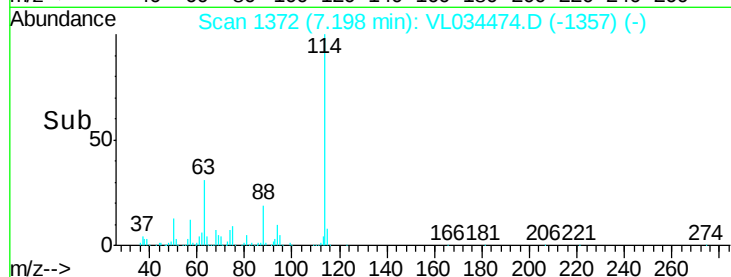
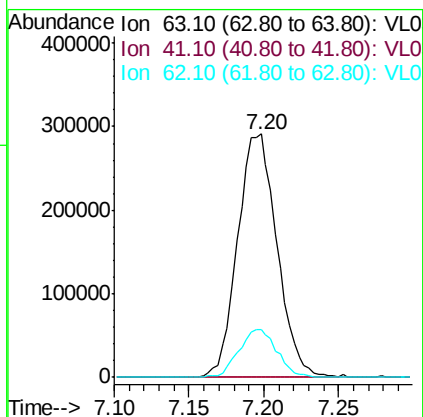
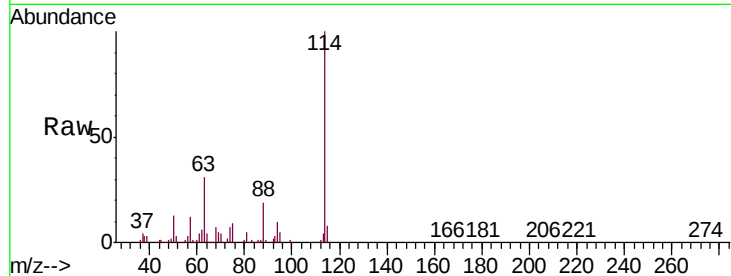




#39
 1,2-Dichloropropane
 Concen: 7.792 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.45 min
 Lab File: VL034474.D
 Acq: 9 Dec 2019 21:27

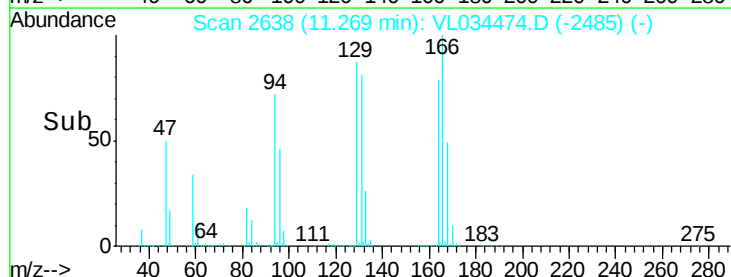
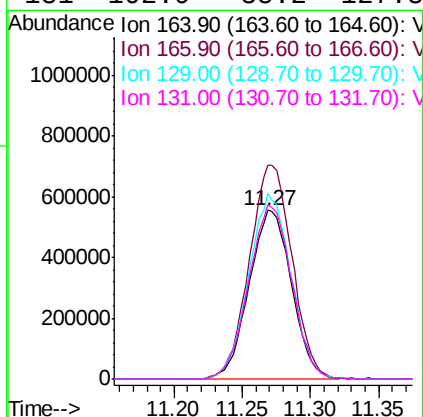
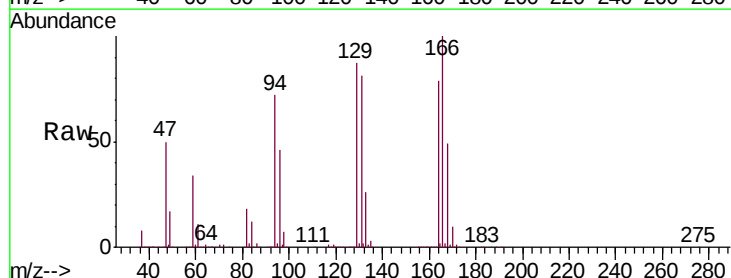
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-HWDL

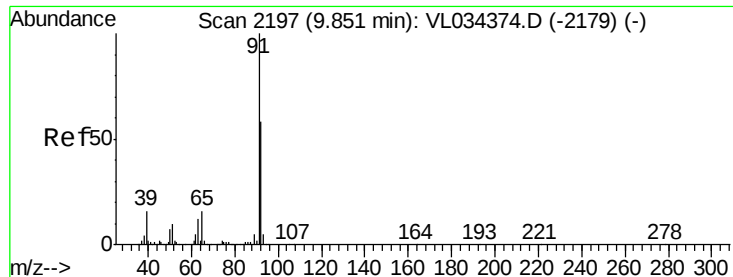
Tgt Ion: 63 Resp: 532606
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.1 94.7#
 62 19.5 52.3 78.5#



#52
 Tetrachloroethene
 Concen: 15.608 ppbv
 RT: 11.27 min Scan# 2638
 Delta R.T. -0.01 min
 Lab File: VL034474.D
 Acq: 9 Dec 2019 21:27

Tgt Ion: 164 Resp: 1198078
 Ion Ratio Lower Upper
 164 100
 166 126.3 101.7 152.5
 129 109.7 82.6 123.8
 131 102.9 85.2 127.8





#53

Toluene

Concen: 0.060 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VL034474.D

Acq: 9 Dec 2019 21:27

Instrument :

MSVOA_L

ClientSampleId :

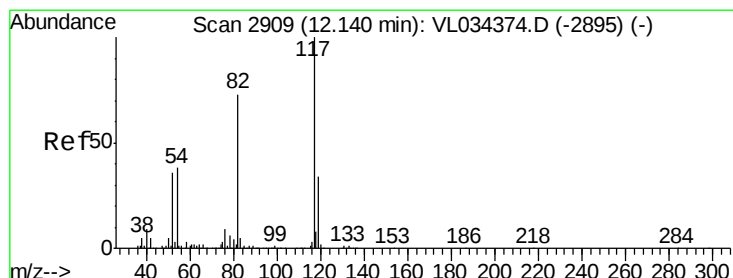
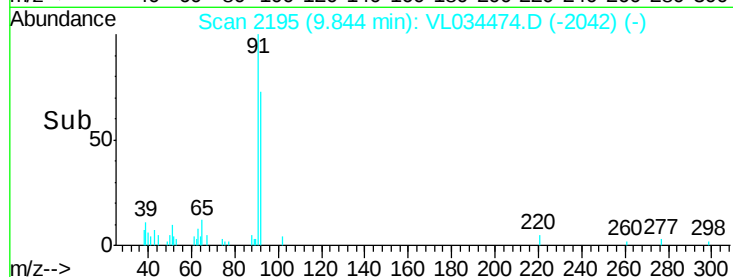
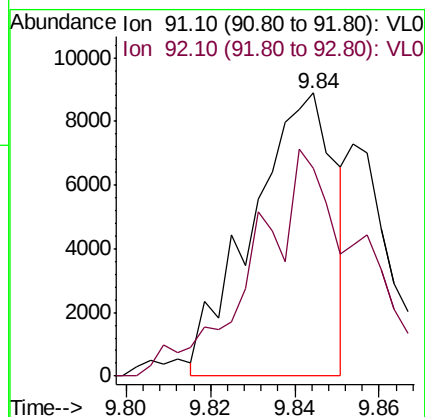
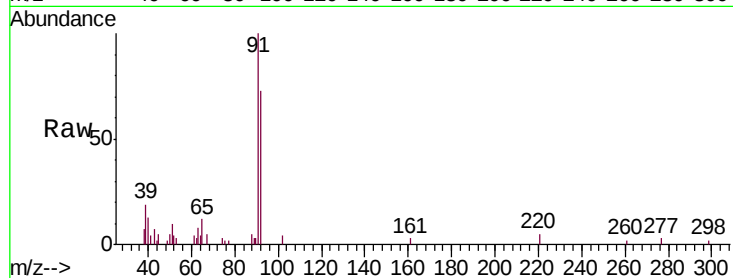
IA-HWDL

Tgt Ion: 91 Resp: 12122

Ion Ratio Lower Upper

91 100

92 102.5 47.9 71.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. -0.01 min

Lab File: VL034474.D

Acq: 9 Dec 2019 21:27

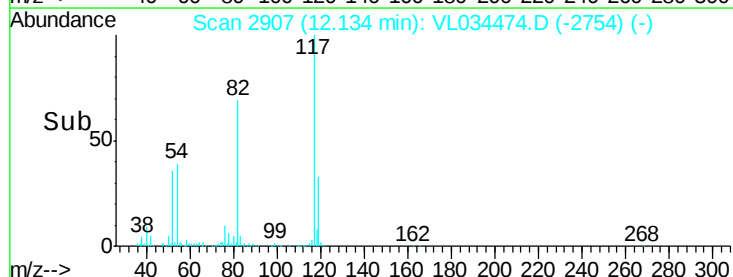
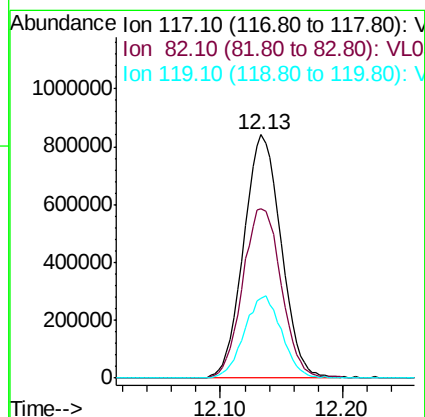
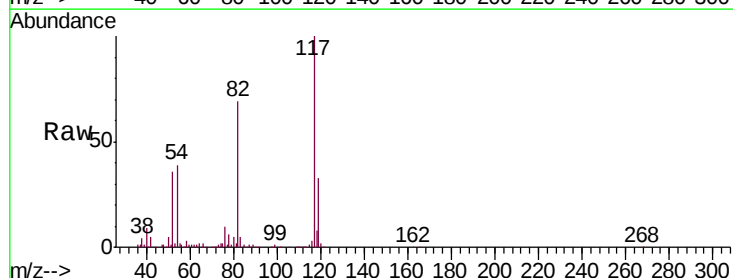
Tgt Ion: 117 Resp: 1783365

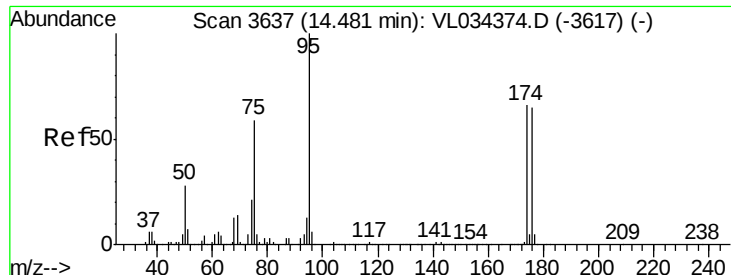
Ion Ratio Lower Upper

117 100

82 72.1 57.5 86.3

119 33.6 25.4 38.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.115 ppbv

RT: 14.47 min Scan# 3633

Delta R.T. -0.01 min

Lab File: VL034474.D

Acq: 9 Dec 2019 21:27

Instrument :

MSVOA_L

ClientSampleId :

IA-HWDL

Tgt Ion: 95 Resp: 1517490

Ion Ratio Lower Upper

95 100

174 64.6 52.2 78.2

175 4.7 3.8 5.8

