

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121719\
 Data File : VL034504.D
 Acq On : 17 Dec 2019 22:30
 Operator : SY/AP
 Sample : K6319-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA3DL

Manual Integrations
 APPROVED

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 12/19/2019 3:47:55 PM

Quant Time: Dec 18 05:32:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue 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	970395	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.19	114	1928303	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1924884	10.00	ppbv	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.46	95	1615959	9.98	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.14	43	40979m	0.295	ppbv	
13) Ethanol	3.58	45	1094746	73.112	ppbv	96
15) Acetone	3.84	43	217902	1.568	ppbv	97
19) Isopropyl Alcohol	3.96	45	107238m	1.204	ppbv	

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

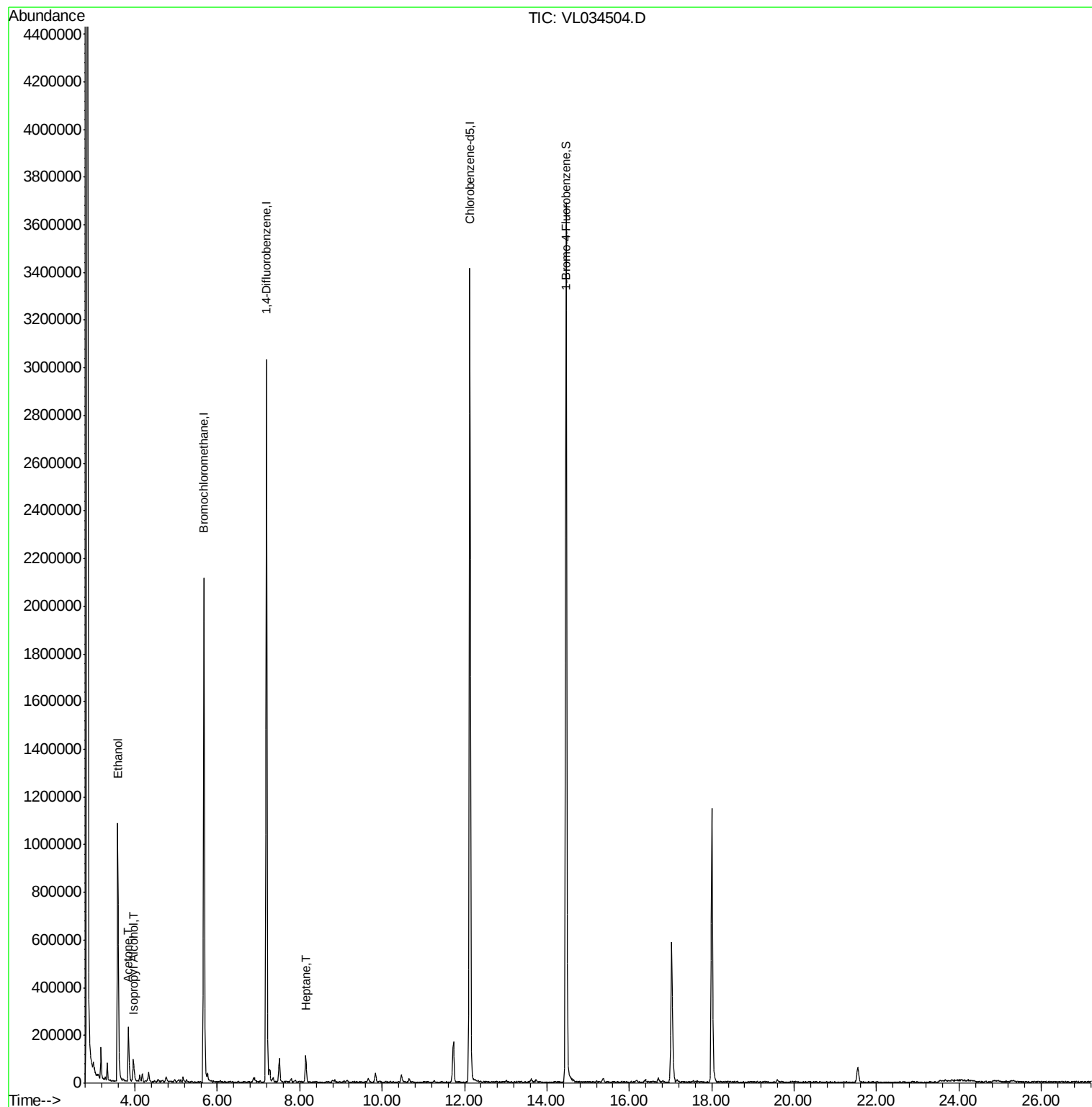
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL034504.D

Acq: 17 Dec 2019 22:30

Instrument :

MSVOA_L

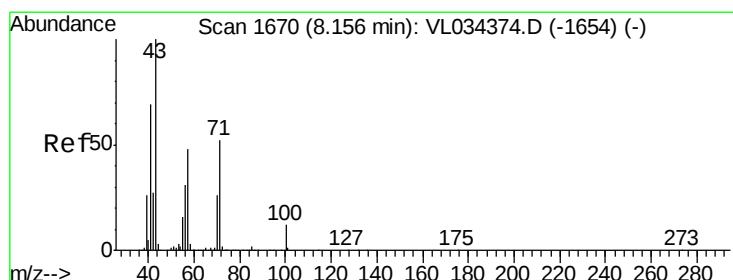
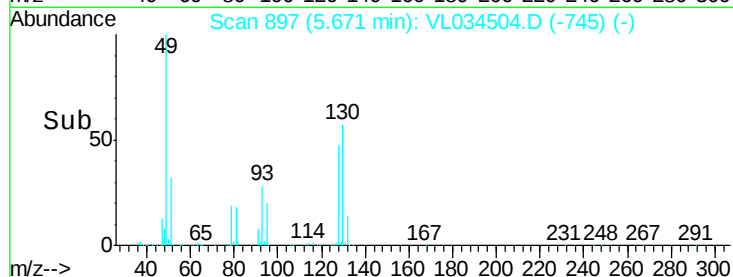
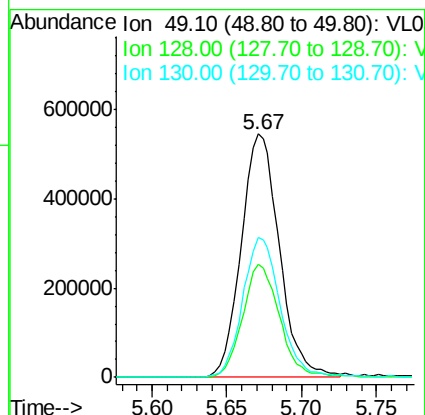
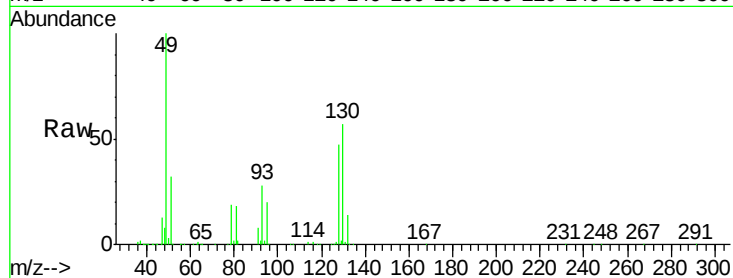
ClientSampleId :

LIHA-IA3DL

Tot Ion:	49	Resp:	970395
Ion	Ratio	Lower	Upper
49	100		
128	45.4	21.8	65.3
130	56.5	28.0	84.0

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#10

Heptane

Concen: 0.295 ppbv m

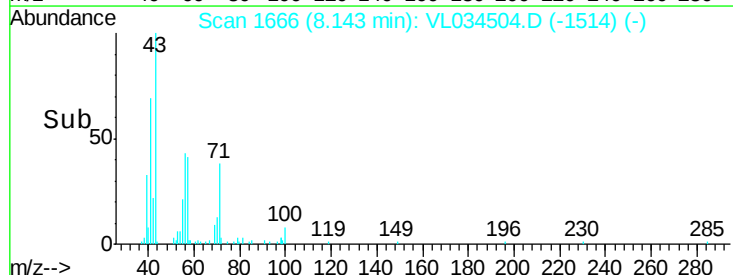
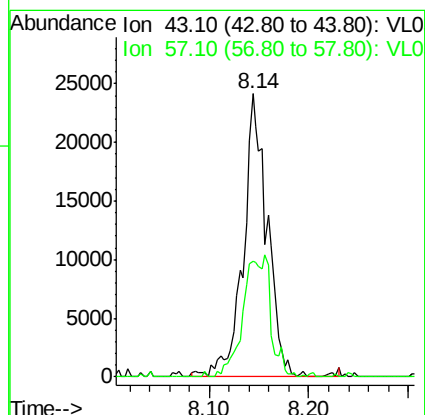
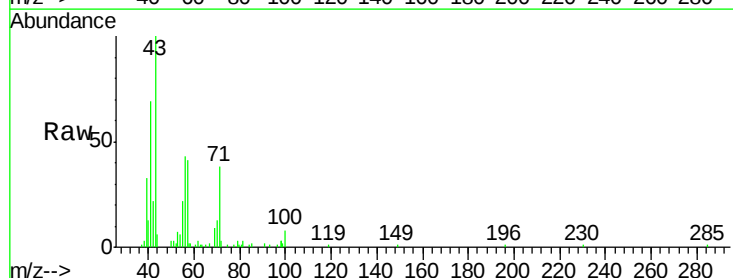
RT: 8.14 min Scan# 1666

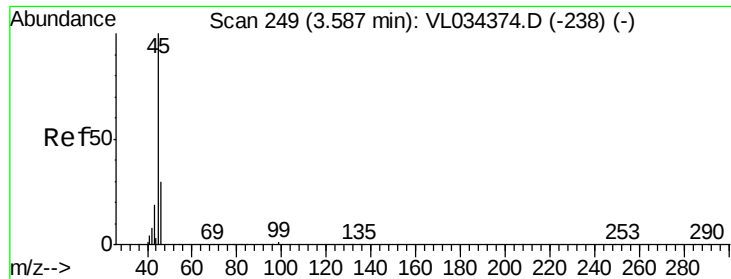
Delta R.T. -0.01 min

Lab File: VL034504.D

Acq: 17 Dec 2019 22:30

Tgt Ion:	43	Resp:	40979
Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.2	60.2#





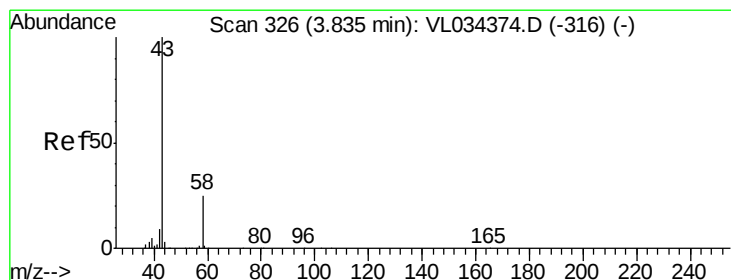
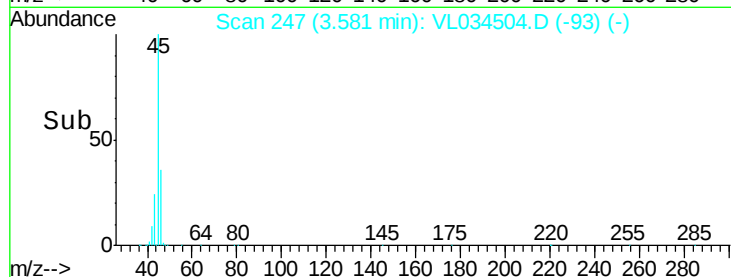
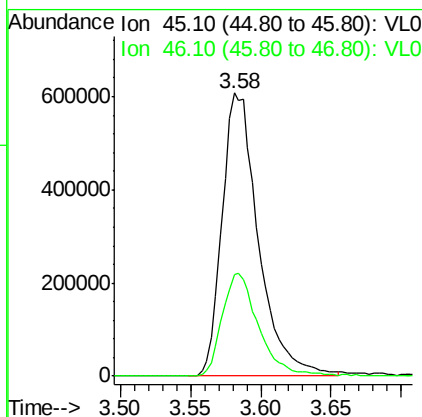
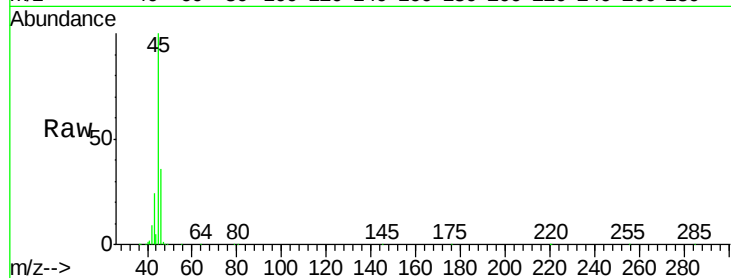
#13
Ethanol
Concen: 73.112 ppbv
RT: 3.58 min Scan# 247
Delta R.T. -0.01 min
Lab File: VL034504.D
Acq: 17 Dec 2019 22:30

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA3DL

Tot Ion: 45 Resp: 1094746
Ion Ratio Lower Upper
45 100
46 36.6 13.8 55.4

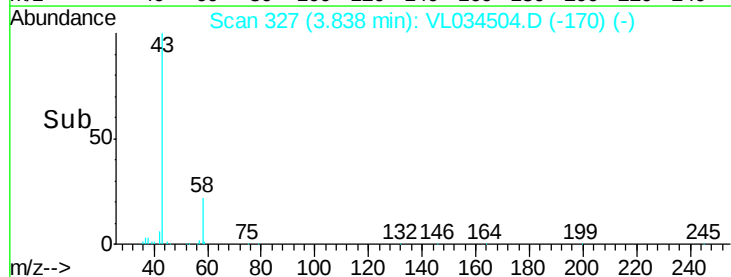
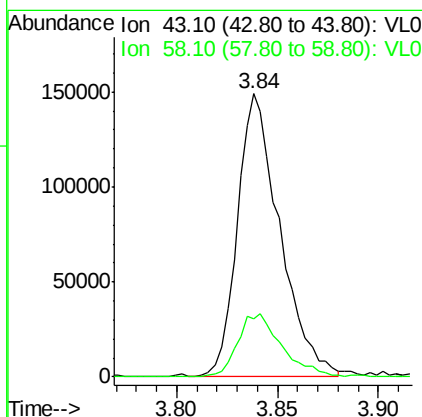
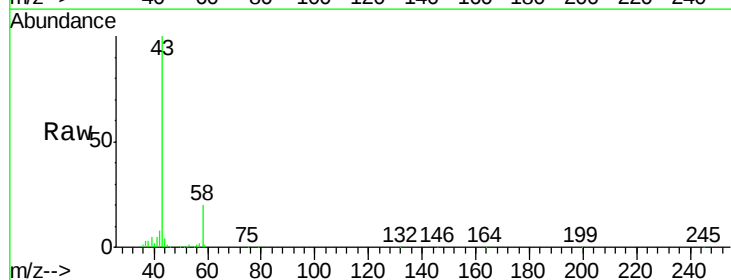
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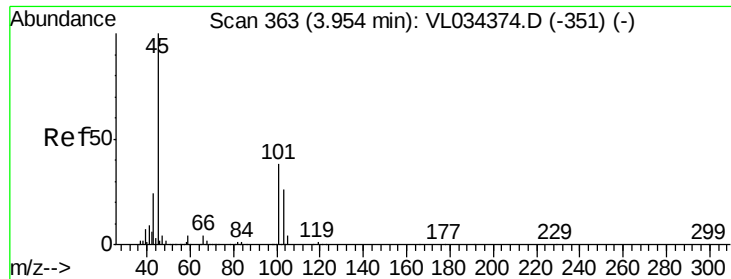
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#15
Acetone
Concen: 1.568 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL034504.D
Acq: 17 Dec 2019 22:30

Tgt Ion: 43 Resp: 217902
Ion Ratio Lower Upper
43 100
58 23.7 20.2 30.4





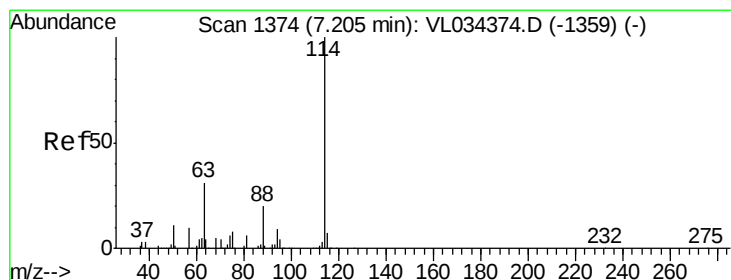
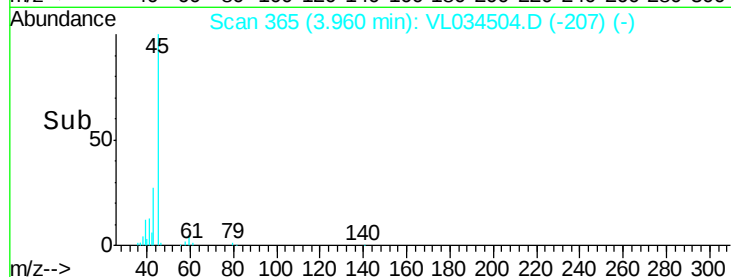
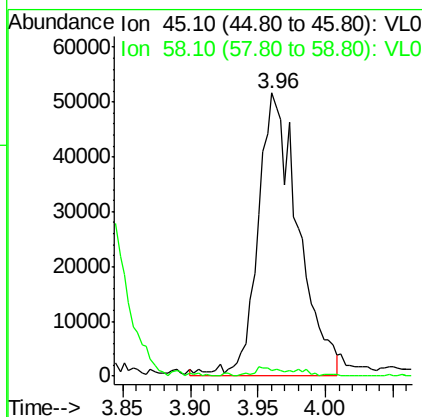
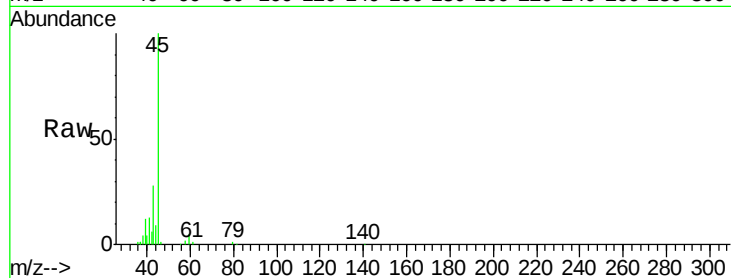
#19
Isopropyl Alcohol
Concen: 1.204 ppbv m
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VL034504.D
Acq: 17 Dec 2019 22:30

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA3DL

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.5	1.3	1.9#

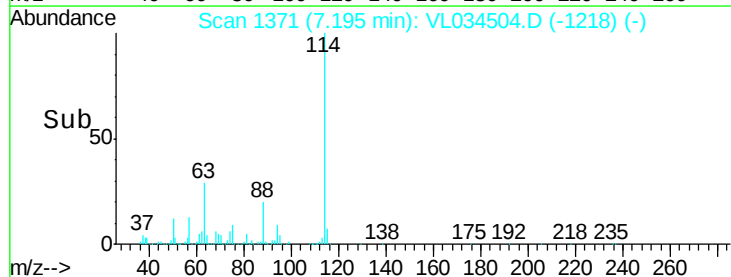
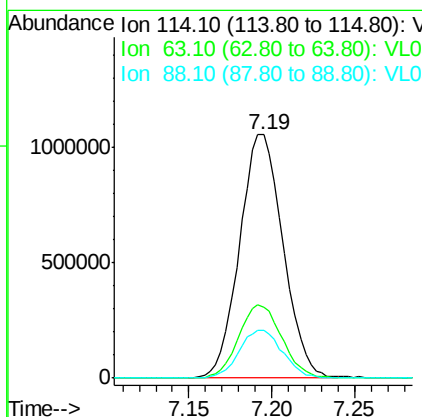
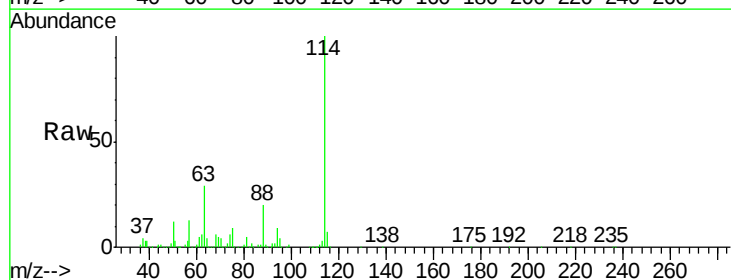
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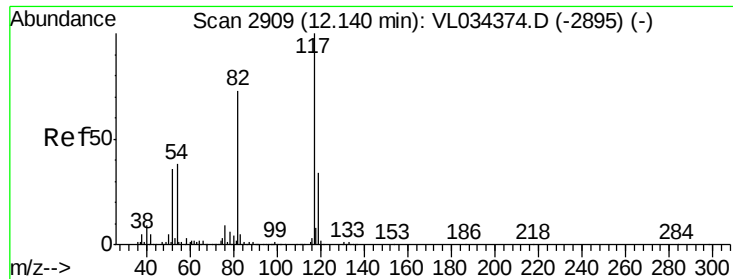
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. -0.01 min
Lab File: VL034504.D
Acq: 17 Dec 2019 22:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.2	36.4
88	19.7	15.9	23.9





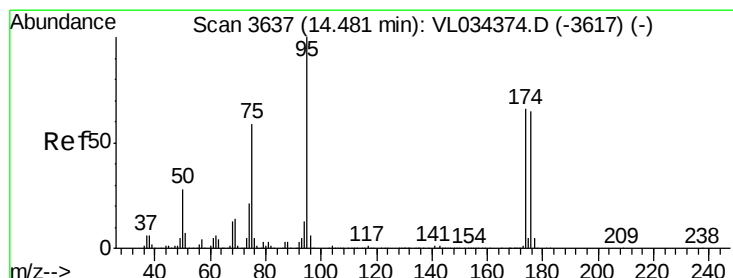
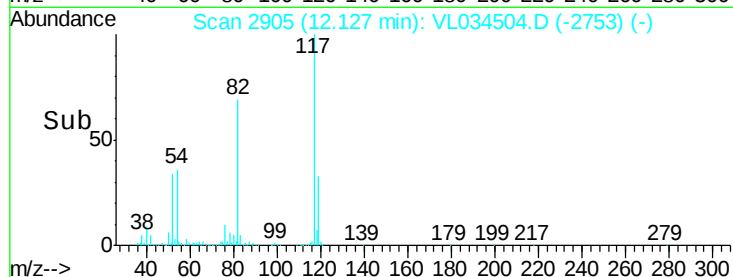
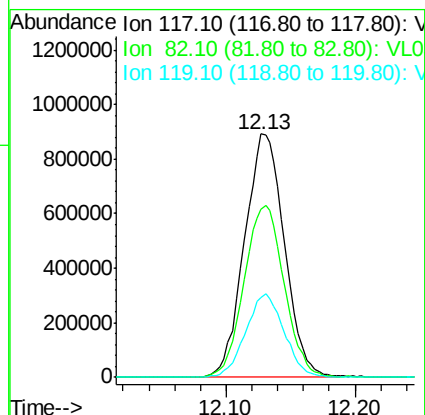
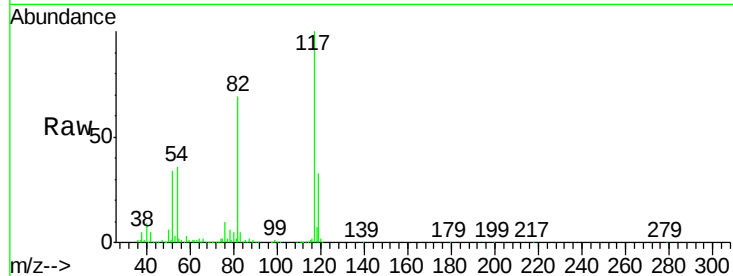
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL034504.D
Acq: 17 Dec 2019 22:30

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA3DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.3	57.5	86.3
119	33.2	25.4	38.2

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.979 ppbv
RT: 14.46 min Scan# 3632
Delta R.T. -0.02 min
Lab File: VL034504.D
Acq: 17 Dec 2019 22:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.4	52.2	78.2
175	4.7	3.8	5.8

