

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL123019\
 Data File : VL034532.D
 Acq On : 31 Dec 2019 4:25
 Operator : SY/AP
 Sample : K6470-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 27-2DL

Manual Integrations
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Quant Time: Dec 31 06:17:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 31 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	5.67	49	981596	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1915261	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1906638	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1586106	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	9401	0.208	ppbv	94
13) Ethanol	3.59	45	26765m	2.139	ppbv	
15) Acetone	3.84	43	110588	0.772	ppbv	99
19) Isopropyl Alcohol	3.98	45	15971m	0.172	ppbv	

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

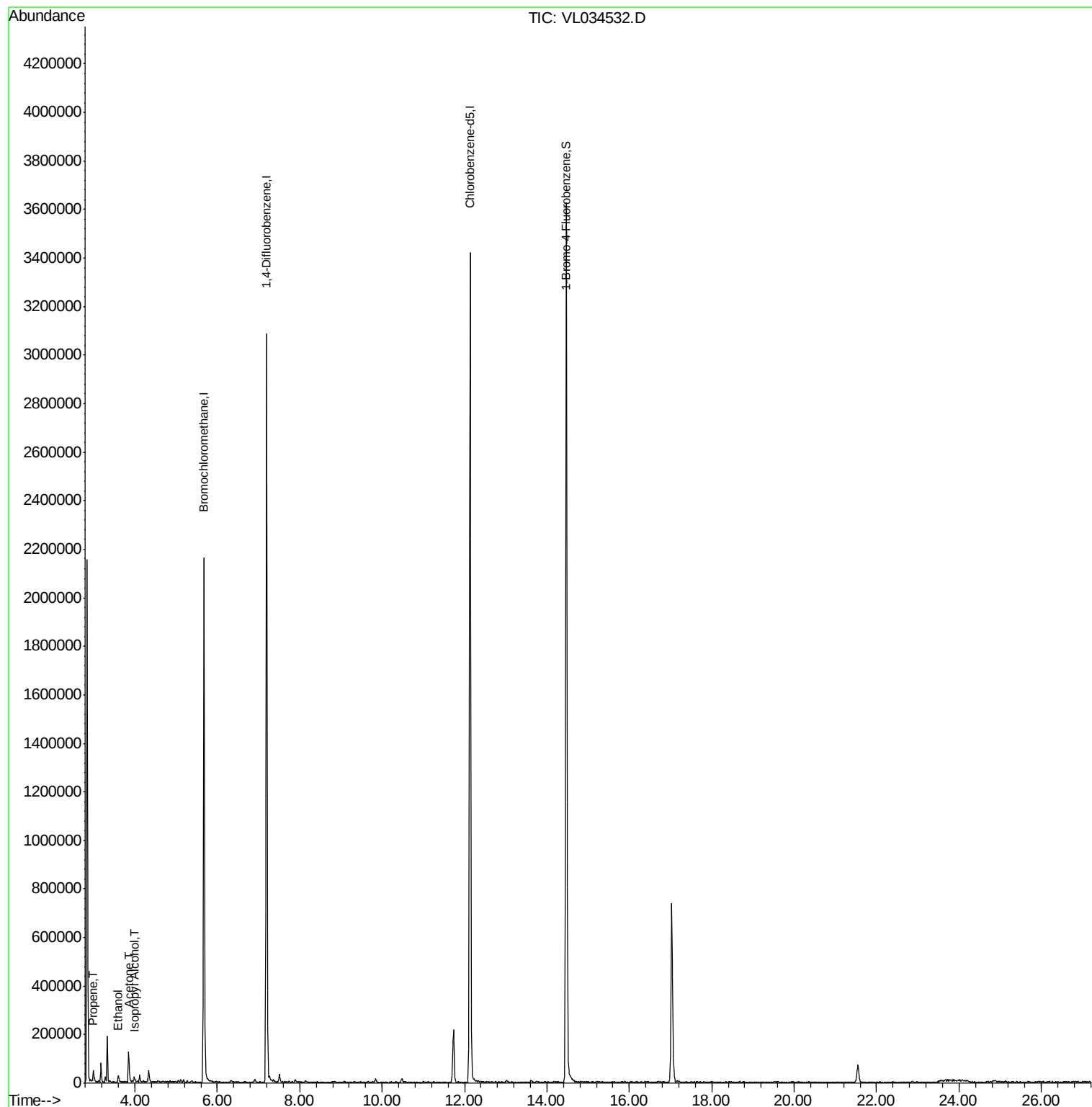
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL123019\
Data File : VL034532.D
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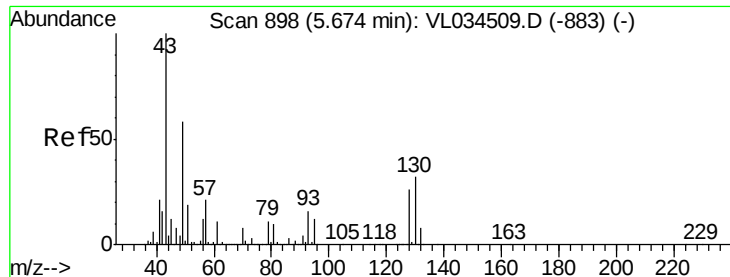
Instrument :
MSVOA_L
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Quant Time: Dec 31 06:17:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL034532.D

Acq: 31 Dec 2019 4:25

Instrument :

MSVOA_L

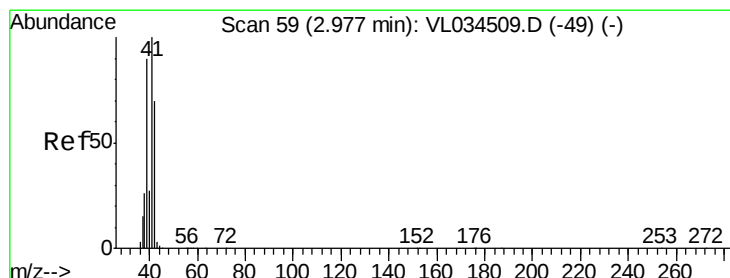
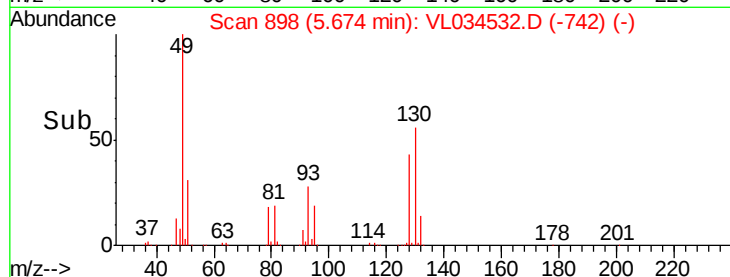
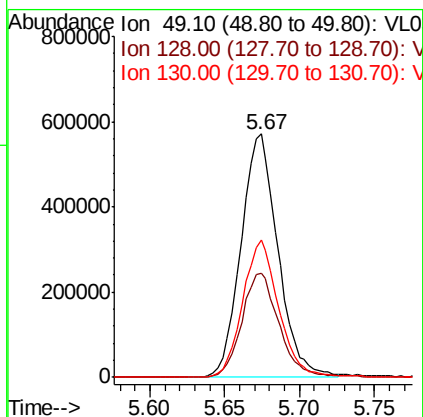
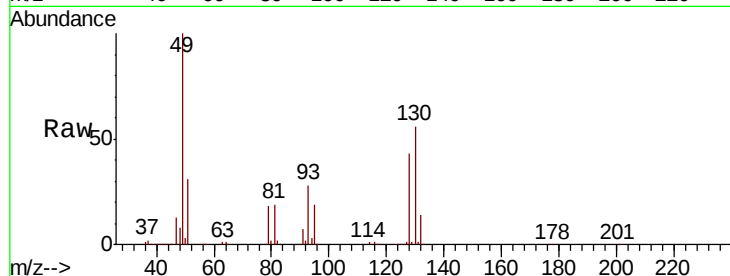
ClientSampled :

27-2DL

Tot Ion:	49	Resp:	981596
Ion Ratio	Lower	Upper	
49	100		
128	43.7	22.4	67.2
130	55.6	28.3	85.0

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#9

Propene

Concen: 0.208 ppbv

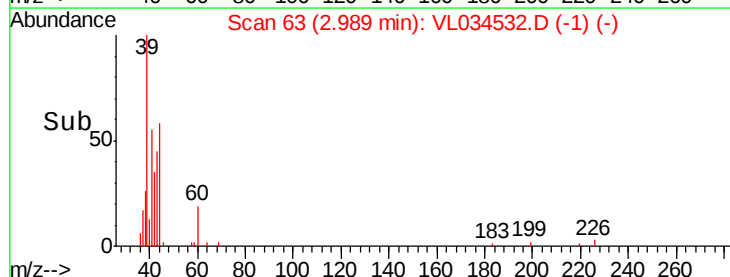
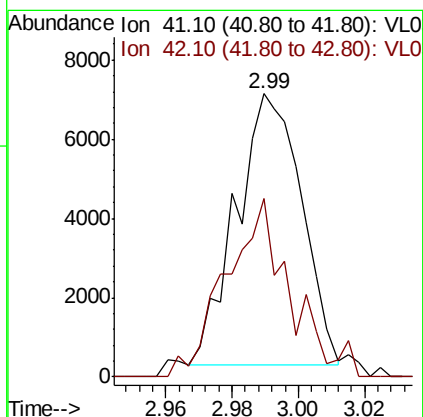
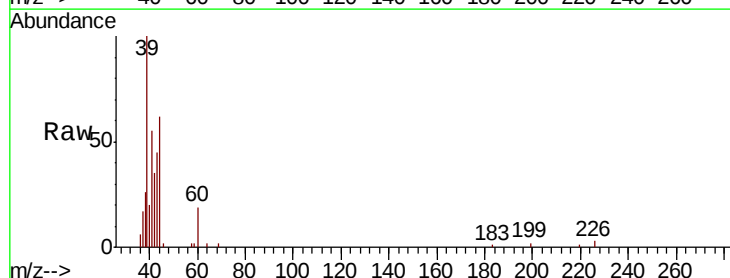
RT: 2.99 min Scan# 63

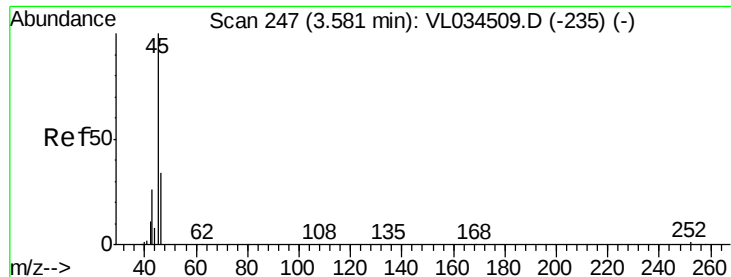
Delta R.T. 0.01 min

Lab File: VL034532.D

Acq: 31 Dec 2019 4:25

Tgt Ion:	41	Resp:	9401
Ion Ratio	Lower	Upper	
41	100		
42	64.7	55.8	83.6





#13

Ethanol

Concen: 2.139 ppbv m

RT: 3.59 min Scan# 251

Delta R.T. 0.01 min

Lab File: VL034532.D

Acq: 31 Dec 2019 4:25

Instrument :

MSVOA_L

ClientSampleId :

27-2DL

Tot Ion: 45 Resp: 26765

Ion Ratio Lower Upper

45 100

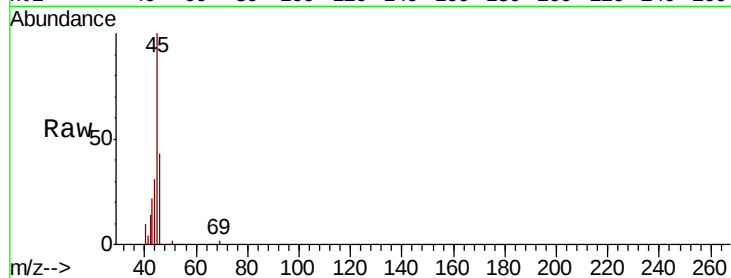
46 36.4 14.9 59.7

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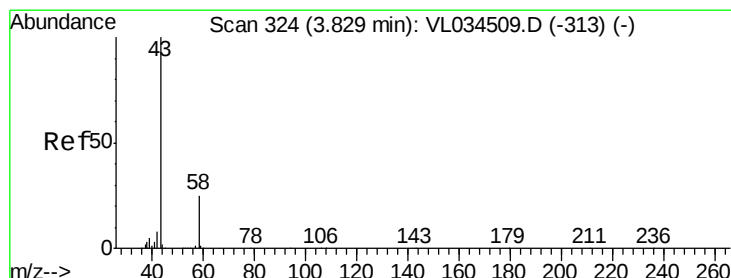
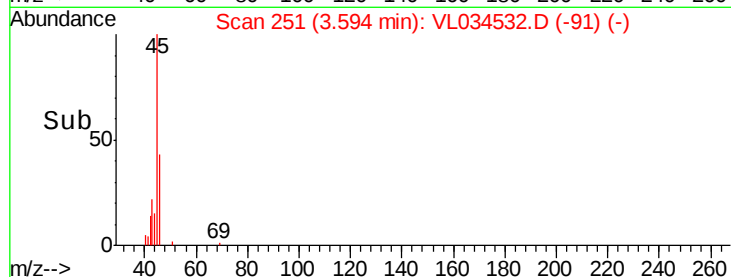
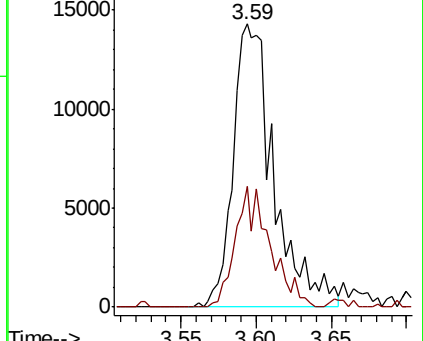
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.772 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.02 min

Lab File: VL034532.D

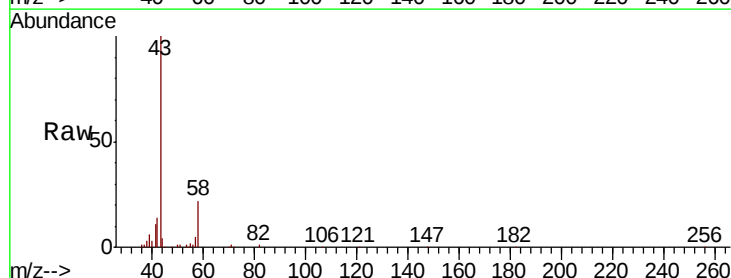
Acq: 31 Dec 2019 4:25

Tgt Ion: 43 Resp: 110588

Ion Ratio Lower Upper

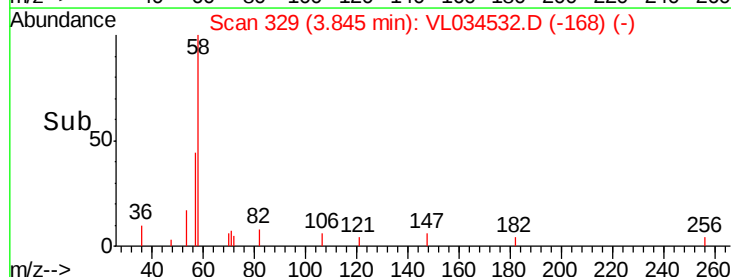
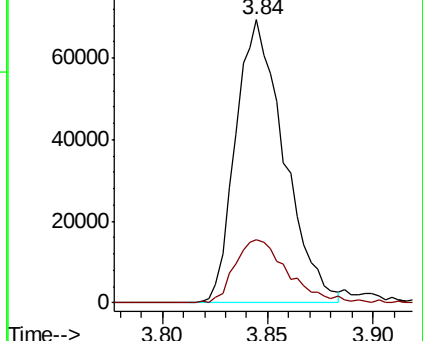
43 100

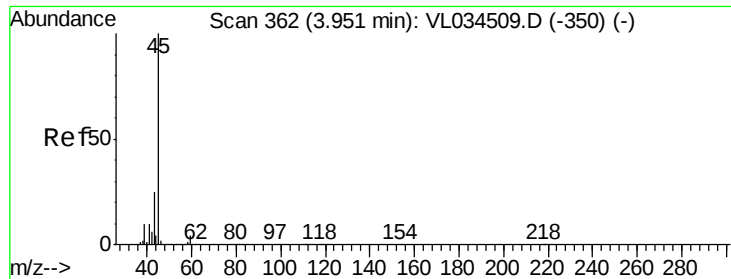
58 24.8 20.4 30.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#19

Isopropyl Alcohol

Concen: 0.172 ppbv m

RT: 3.98 min Scan# 371

Delta R.T. 0.03 min

Lab File: VL034532.D

Acq: 31 Dec 2019 4:25

Instrument :

MSVOA_L

ClientSampled :

27-2DL

Tot Ion: 45 Resp: 15971

Ion Ratio Lower Upper

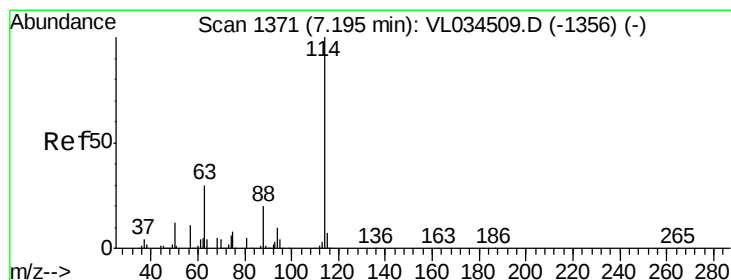
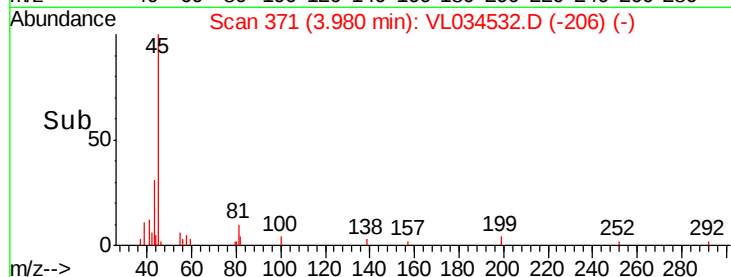
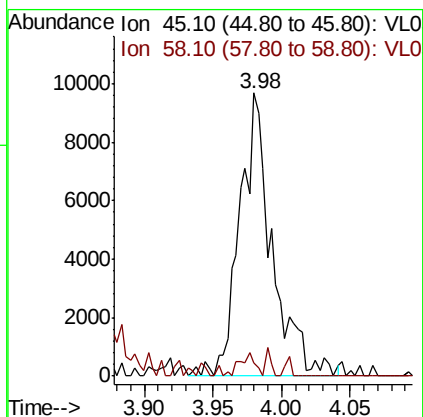
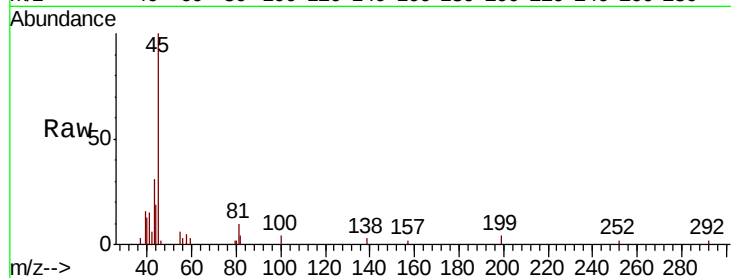
45 100

58 0.0 1.4 2.0#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VL034532.D

Acq: 31 Dec 2019 4:25

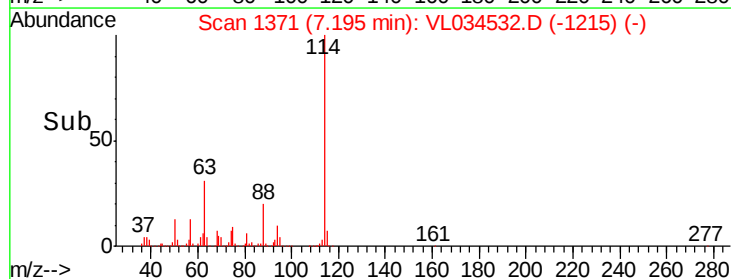
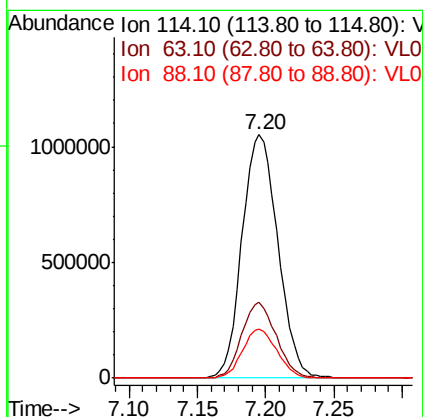
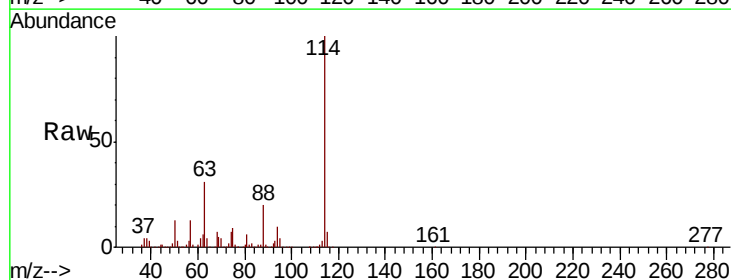
Tgt Ion: 114 Resp: 1915261

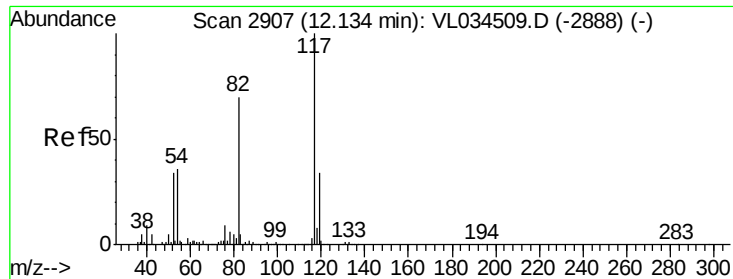
Ion Ratio Lower Upper

114 100

63 30.2 24.1 36.1

88 19.6 15.7 23.5





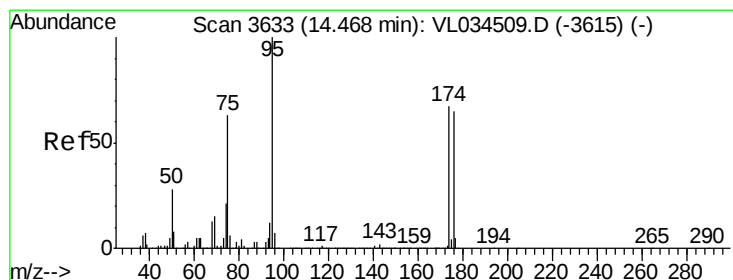
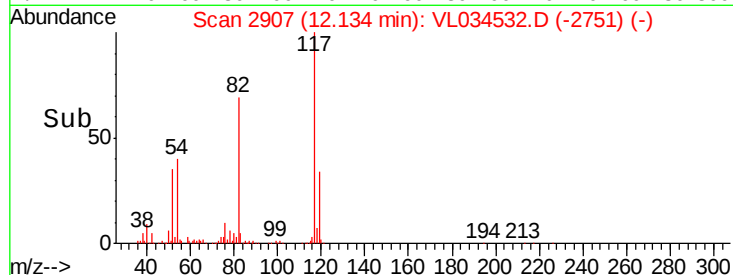
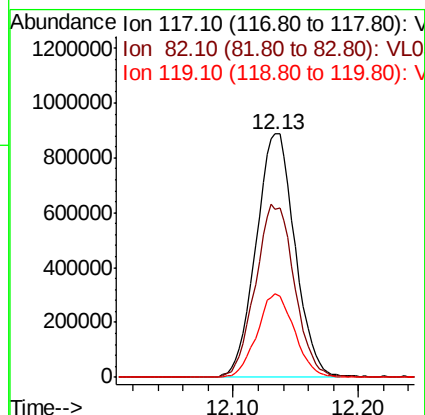
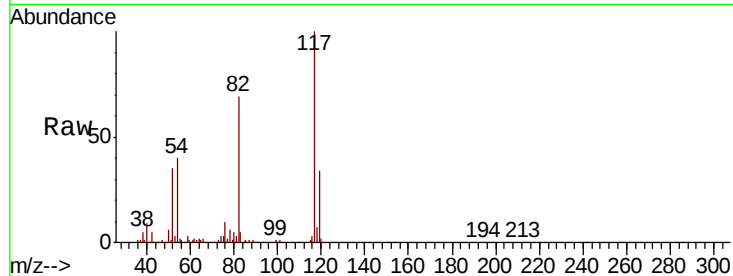
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Instrument :
MSVOA_L
ClientSampled :
27-2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.6	56.2	84.4
119	33.1	27.1	40.7

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.969 ppbv
RT: 14.47 min Scan# 3634
Delta R.T. 0.00 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.5	52.4	78.6
175	4.5	3.9	5.9

