

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101719\
 Data File : VL034332.D
 Acq On : 18 Oct 2019 1:19
 Operator : SY/AP
 Sample : K5409-03DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 2:56:03 PM

Quant Time: Oct 20 19:16:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 18 19:16:40 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	828145	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1783665	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1803644	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1478182	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	88379	2.054	ppbv	# 78
15) Acetone	3.85	43	358349	3.025	ppbv	98
52) Tetrachloroethene	11.28	164	788748	11.758	ppbv	94
53) Toluene	9.86	91	43551m	0.231	ppbv	

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

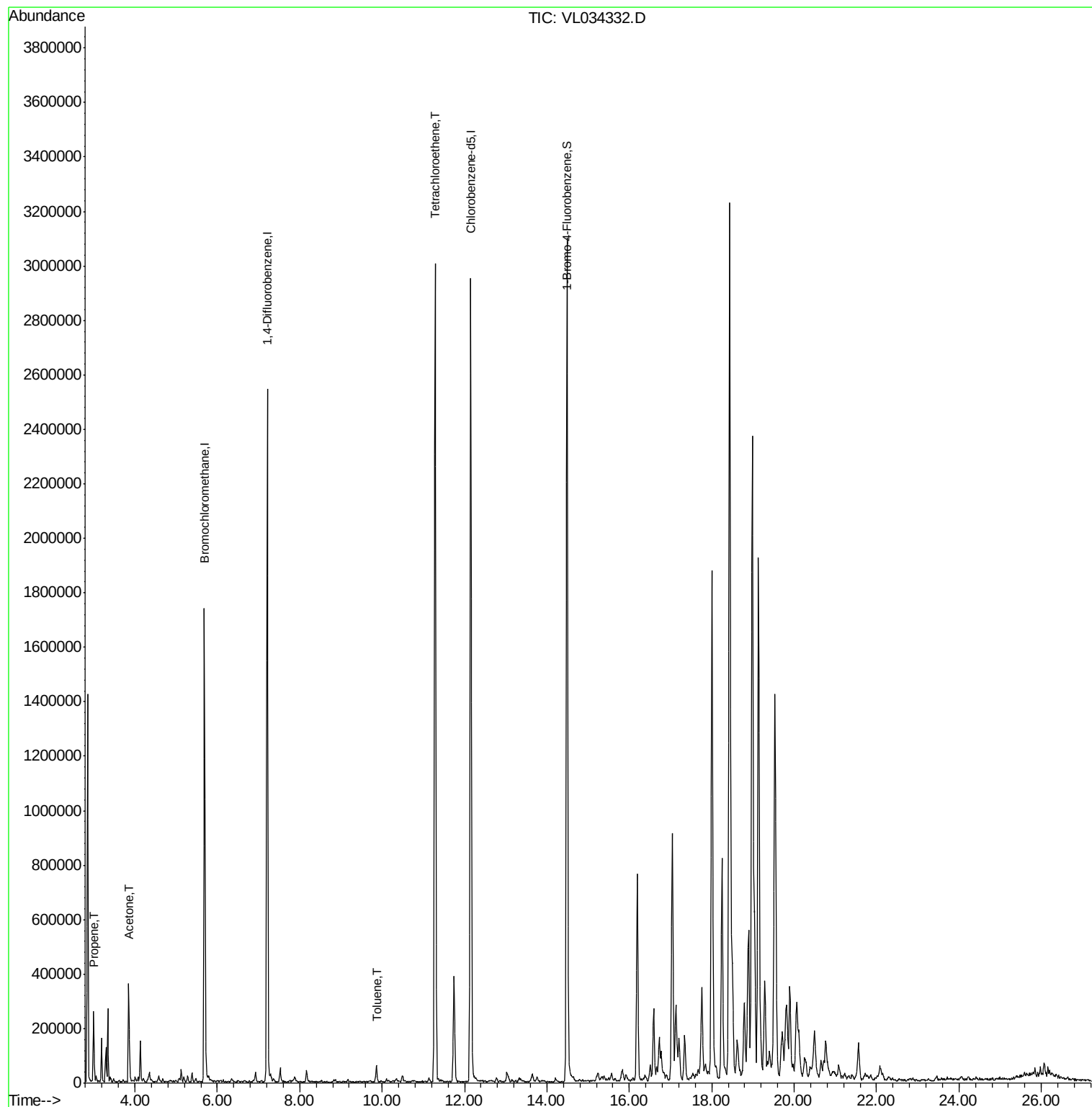
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101719\
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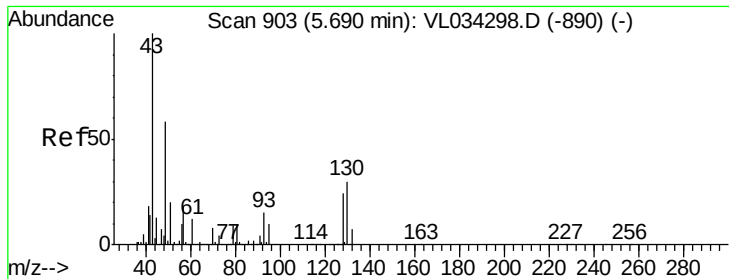
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

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Quant Time: Oct 20 19:16:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL034332.D

Acq: 18 Oct 2019 1:19

Instrument :

MSVOA_L

ClientSampled :

SV3DL

Tot Ion: 49 Resp: 828145

Ion Ratio Lower Upper

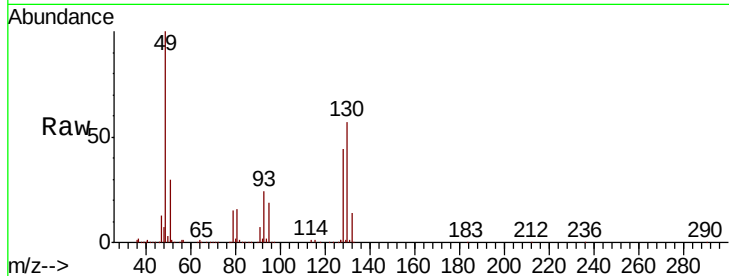
49 100

128 45.2 20.6 61.8

130 57.1 26.2 78.5

Manual Integrations
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.69

600000

500000

400000

300000

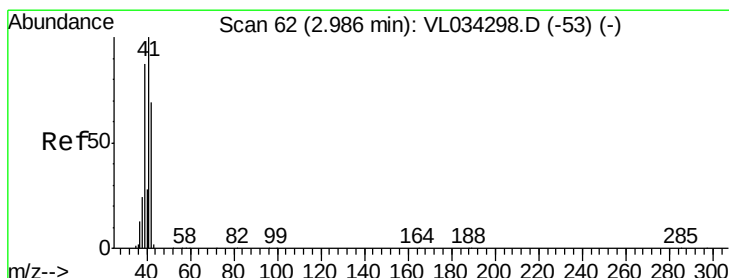
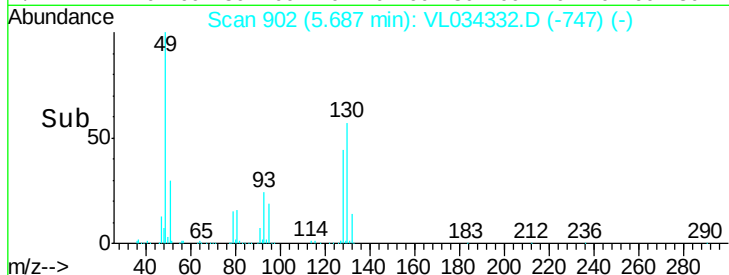
200000

100000

0

5.60 5.65 5.70 5.75

Time-->



#9

Propene

Concen: 2.054 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL034332.D

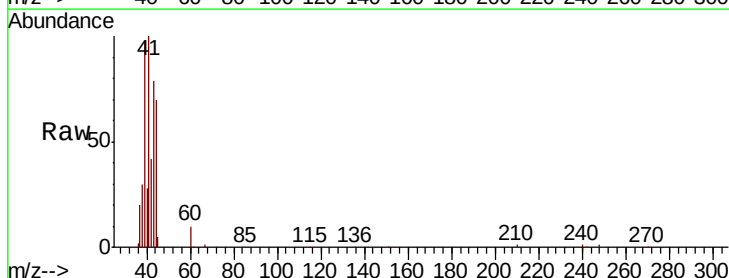
Acq: 18 Oct 2019 1:19

Tgt Ion: 41 Resp: 88379

Ion Ratio Lower Upper

41 100

42 49.6 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

60000

50000

40000

30000

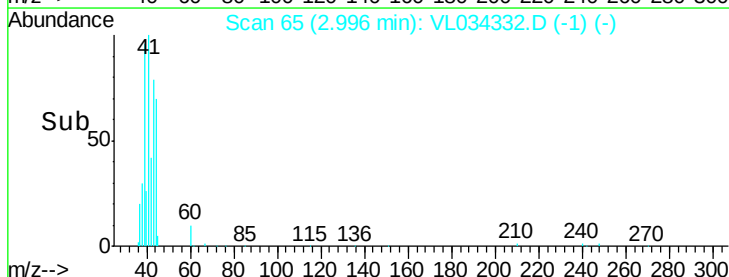
20000

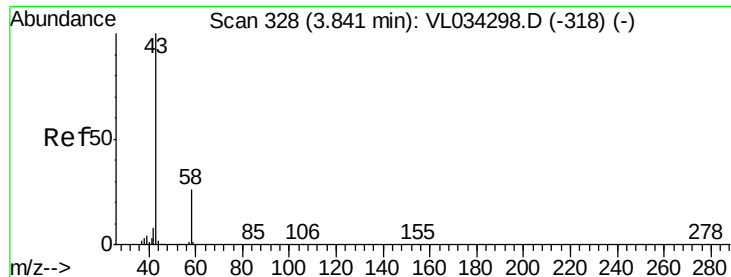
10000

0

2.95 3.00 3.05

Time-->





#15

Acetone

Concen: 3.025 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL034332.D

Acq: 18 Oct 2019 1:19

Instrument :

MSVOA_L

ClientSampled :

SV3DL

Tot Ion: 43 Resp: 358349

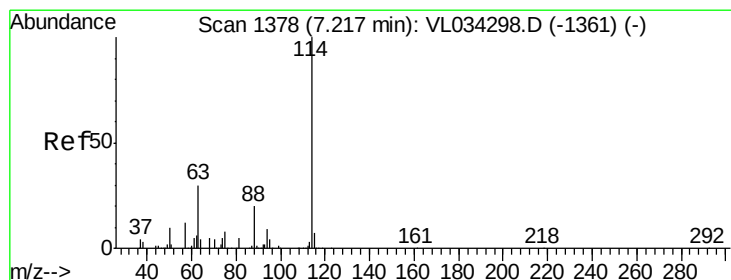
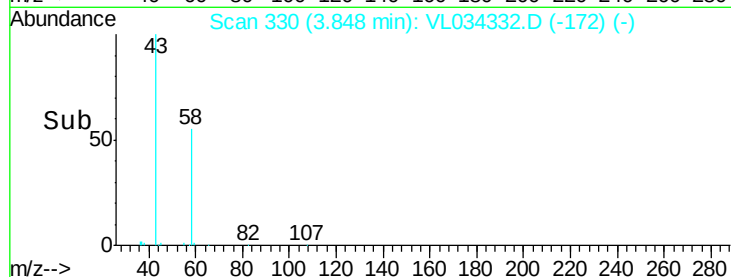
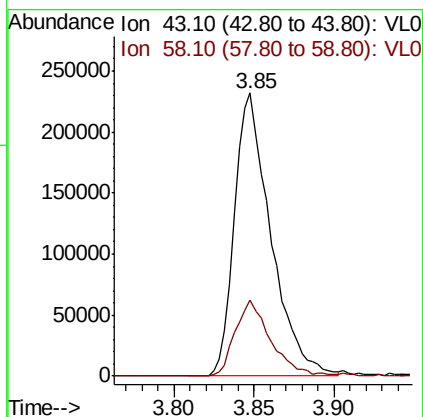
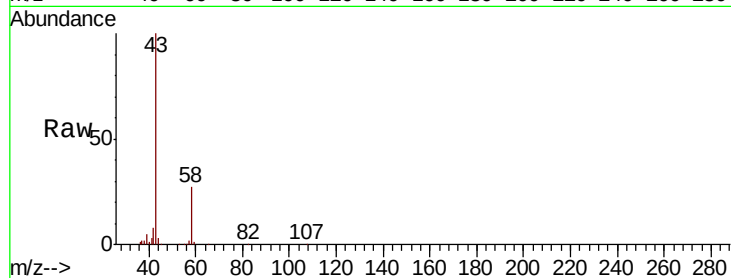
Ion Ratio Lower Upper

43 100

58 26.7 20.4 30.6

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.01 min

Lab File: VL034332.D

Acq: 18 Oct 2019 1:19

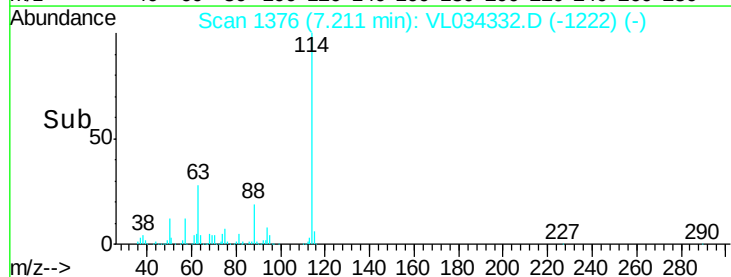
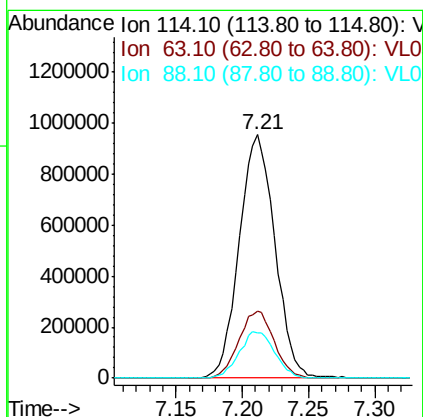
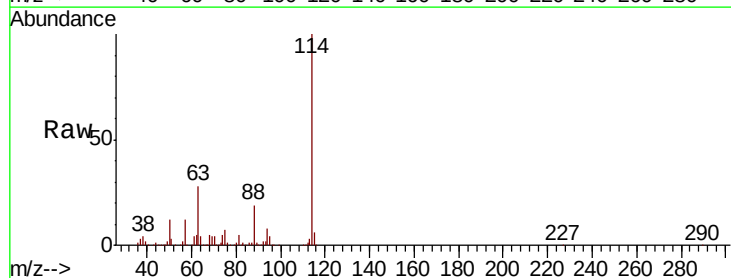
Tgt Ion: 114 Resp: 1783665

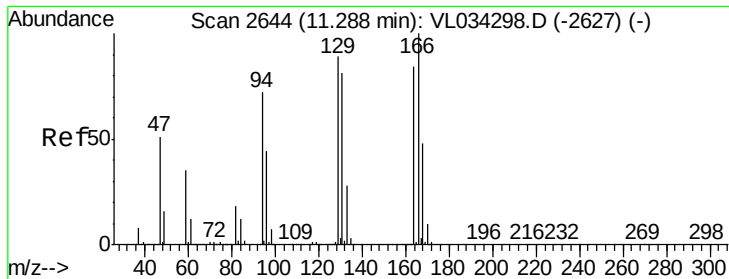
Ion Ratio Lower Upper

114 100

63 27.5 25.2 37.8

88 19.2 16.0 24.0





#52

Tetrachloroethene

Concen: 11.758 ppbv

RT: 11.28 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VL034332.D

Acq: 18 Oct 2019 1:19

Instrument :

MSVOA_L

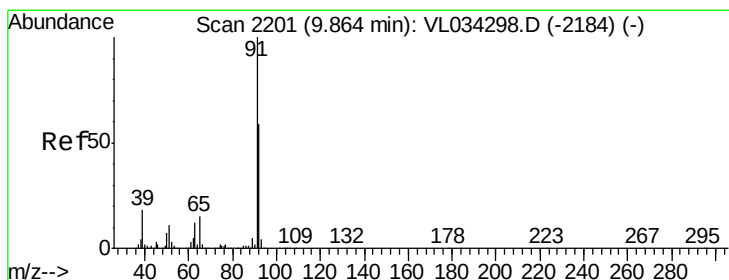
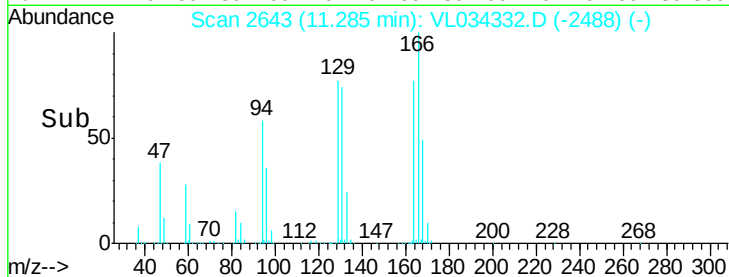
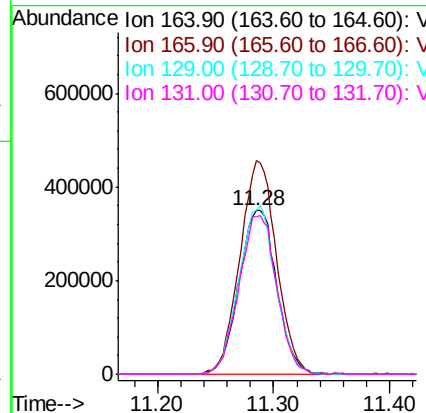
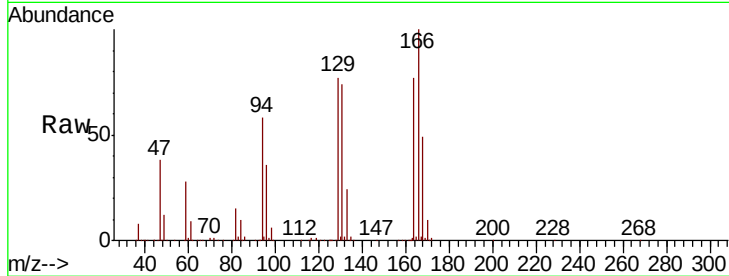
ClientSampled :

SV3DL

Tot Ion:	164	Resp:	788748
Ion Ratio	Lower	Upper	
164	100		
166	130.6	95.3	142.9
129	100.6	84.5	126.7
131	96.0	77.3	115.9

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#53

Toluene

Concen: 0.231 ppbv m

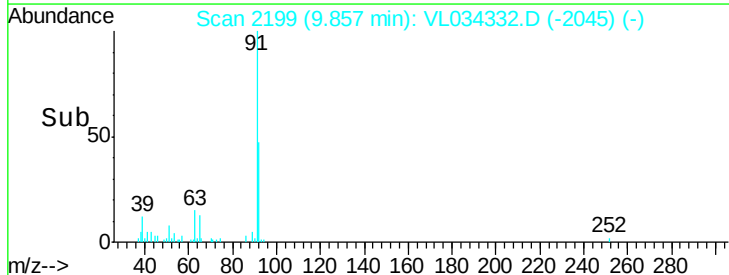
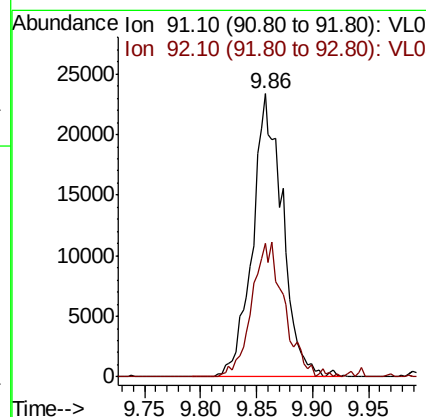
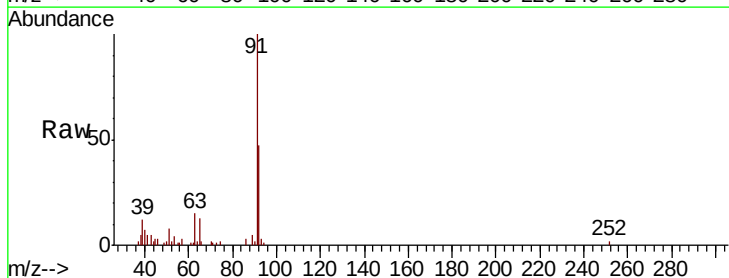
RT: 9.86 min Scan# 2199

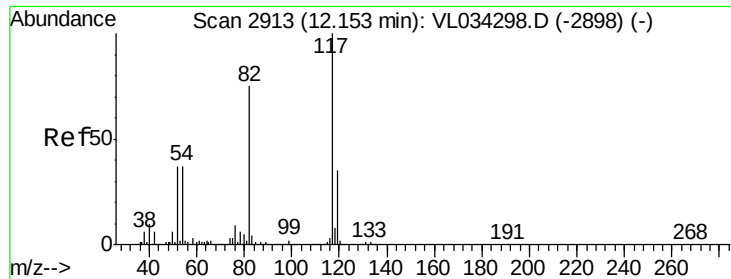
Delta R.T. -0.01 min

Lab File: VL034332.D

Acq: 18 Oct 2019 1:19

Tgt Ion:	91	Resp:	43551
Ion Ratio	Lower	Upper	
91	100		
92	0.0	48.4	72.6#





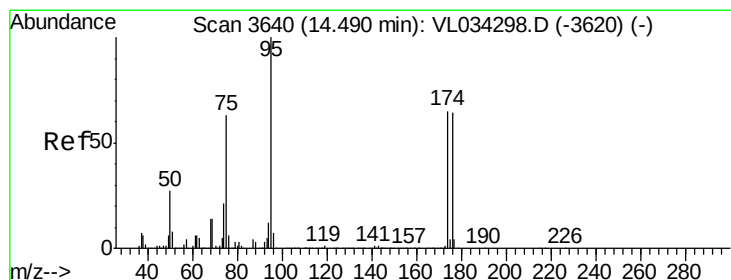
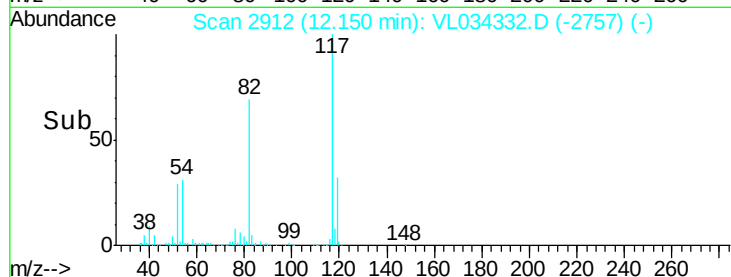
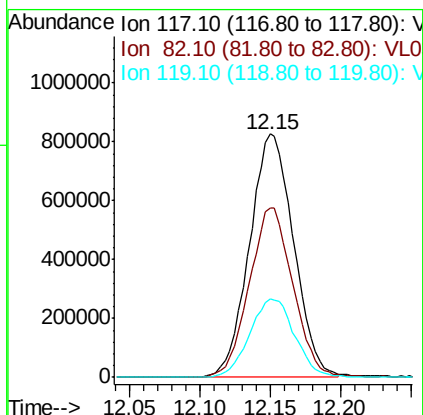
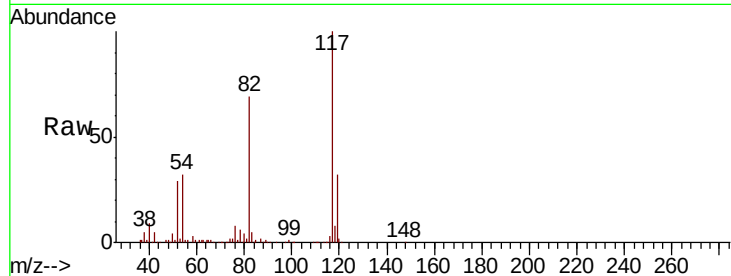
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL034332.D
Acq: 18 Oct 2019 1:19

Instrument :
MSVOA_L
ClientSampled :
SV3DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.5	55.5	83.3
119	33.1	26.5	39.7

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.677 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. 0.00 min
Lab File: VL034332.D
Acq: 18 Oct 2019 1:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.8	52.6	78.8
175	5.2	3.8	5.6

