

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052219\
 Data File : VL033760.D
 Acq On : 23 May 2019 1:18
 Operator : SY/AP
 Sample : K2929-08DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-DUP-01DL

Manual Integrations
 APPROVED

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 5/28/2019 2:51:22 AM

Quant Time: May 23 07:02:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 2019
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	923339	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2120466	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	2129555	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.57	95	1715028	9.93	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	196024	4.357	ppbv	92
13) Ethanol	3.65	45	37341m	2.568	ppbv	
15) Acetone	3.90	43	443012	3.458	ppbv	95
34) 2-Butanone	5.34	43	64840	0.493	ppbv	100
53) Toluene	9.94	91	58079	0.279	ppbv	95
74) 1,2,4-Trimethylbenzene	16.92	105	5722	0.019	ppbv #	75

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

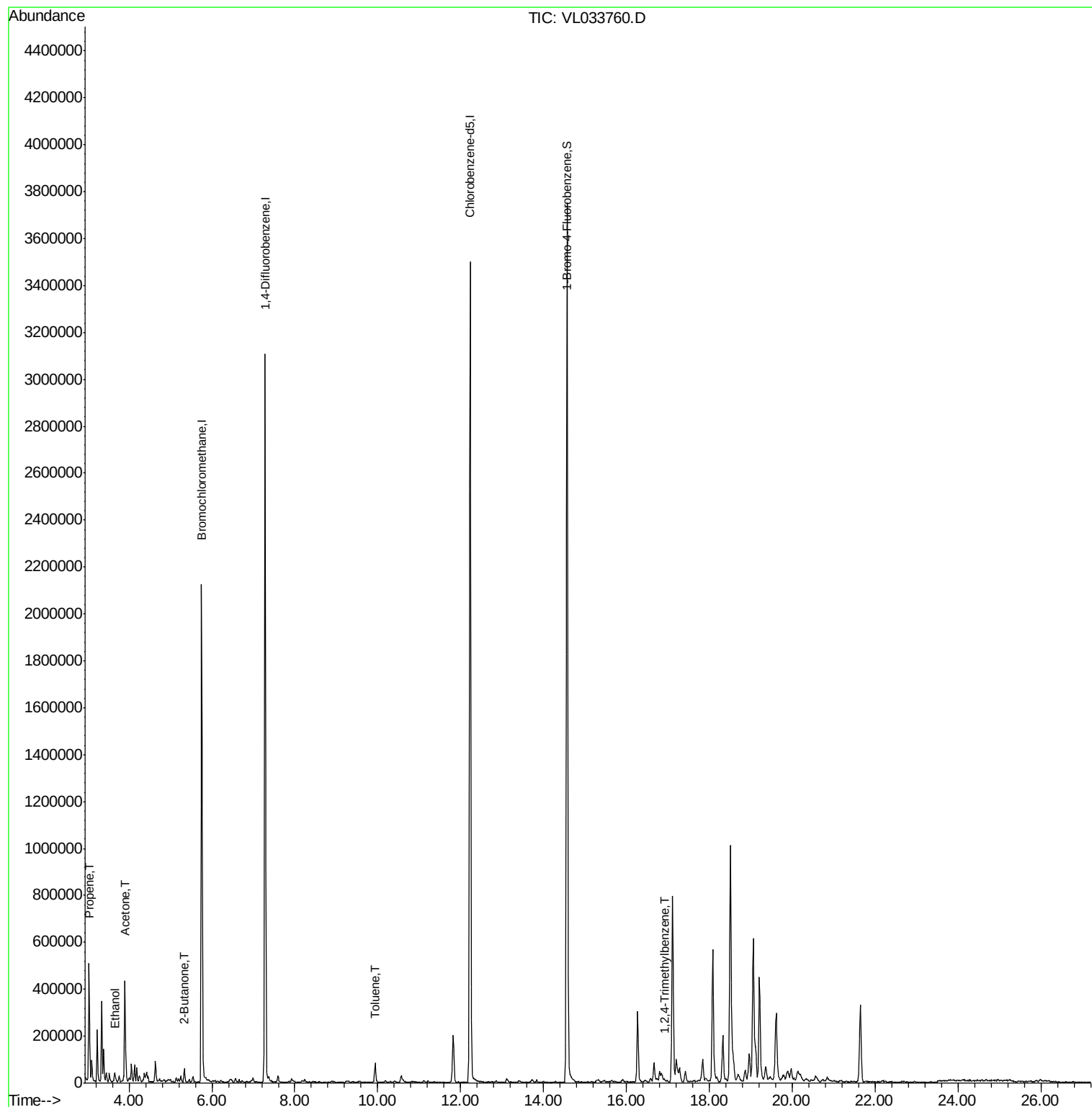
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052219\
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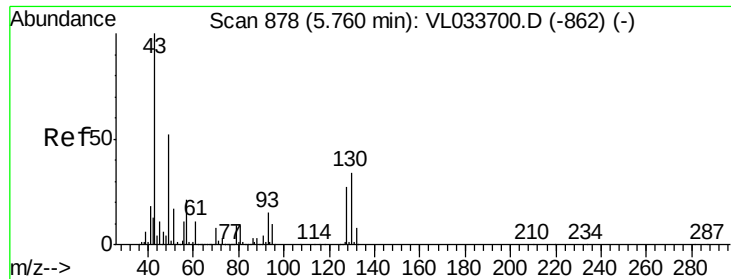
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QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033760.D

Acq: 23 May 2019 1:18

Instrument :

MSVOA_L

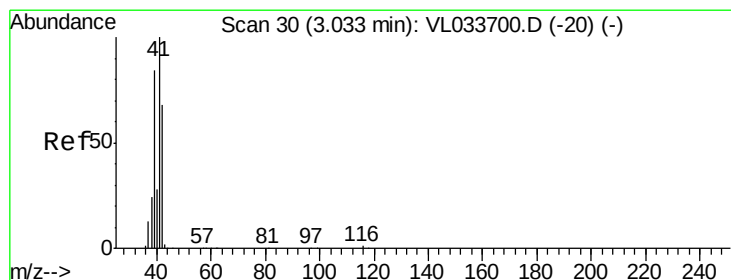
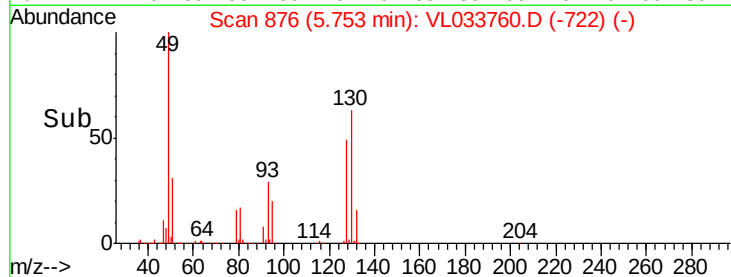
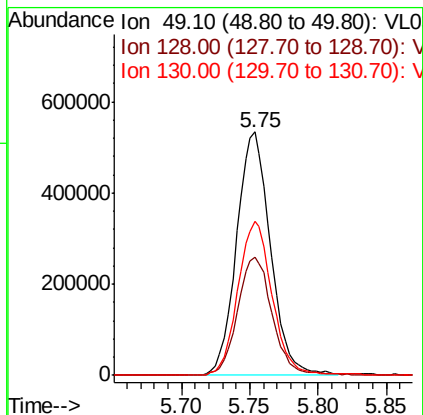
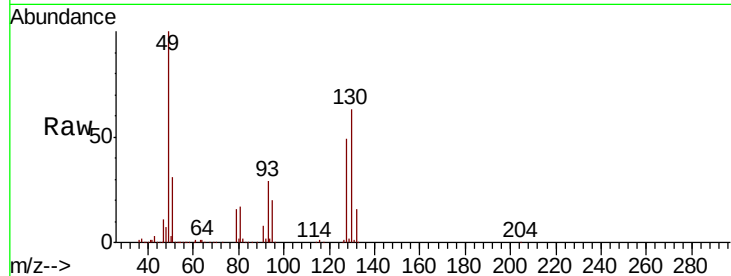
ClientSampleId :

BPS1-DUP-01DL

Tot Ion:	49	Resp:	923339
Ion	Ratio	Lower	Upper
49	100		
128	49.6	25.2	75.6
130	64.1	32.5	97.5

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#9

Propene

Concen: 4.357 ppbv

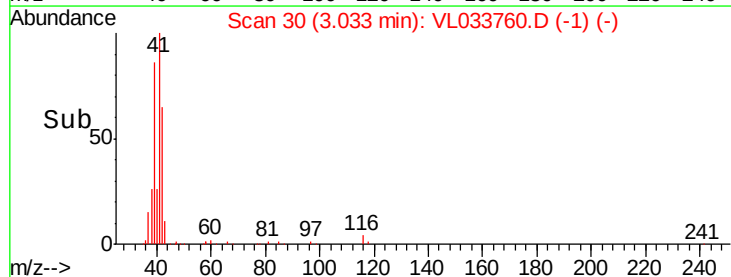
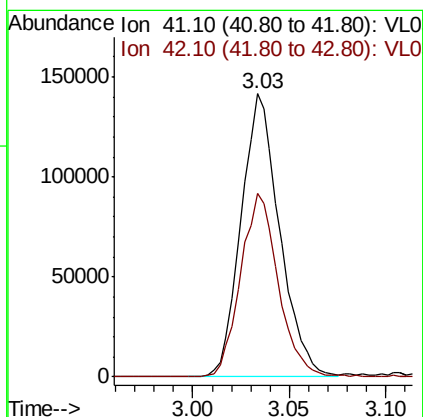
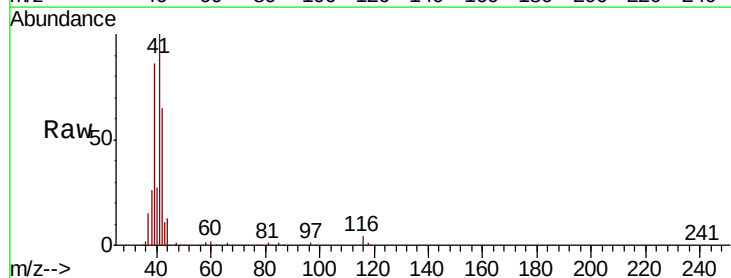
RT: 3.03 min Scan# 30

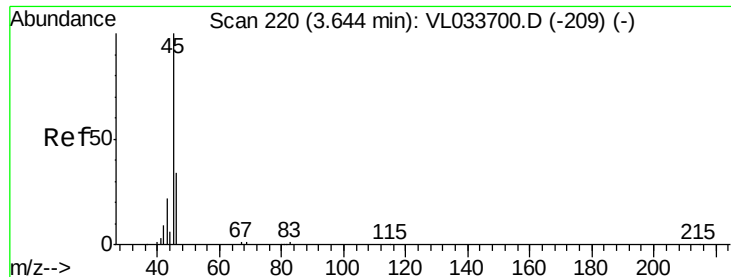
Delta R.T. 0.00 min

Lab File: VL033760.D

Acq: 23 May 2019 1:18

Tgt Ion:	41	Resp:	196024
Ion	Ratio	Lower	Upper
41	100		
42	63.3	56.1	84.1





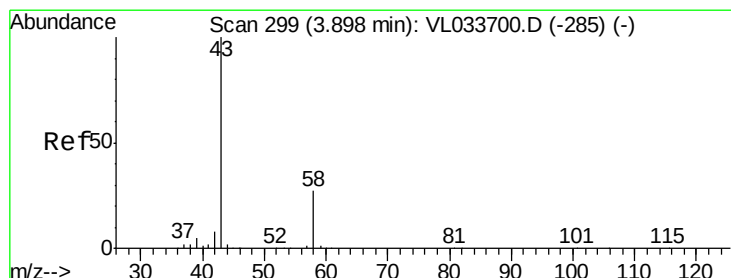
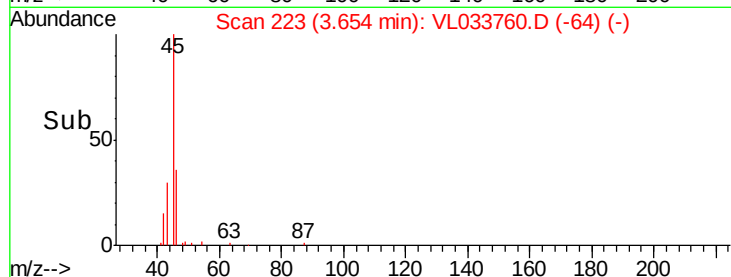
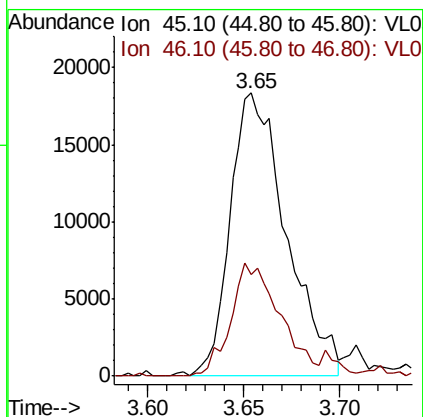
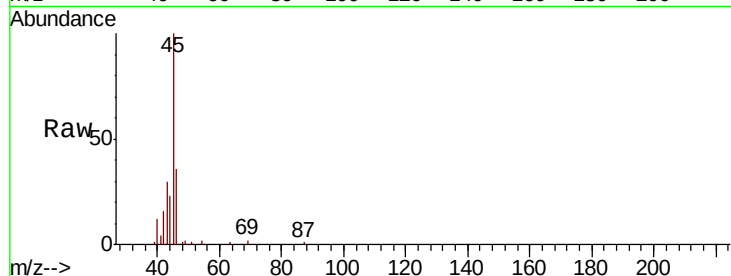
#13
Ethanol
Concen: 2.568 ppbv m
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01DL

Tot Ion	45	Resp	37341
Ion Ratio	100	Lower	Upper
46	39.6	14.8	59.0

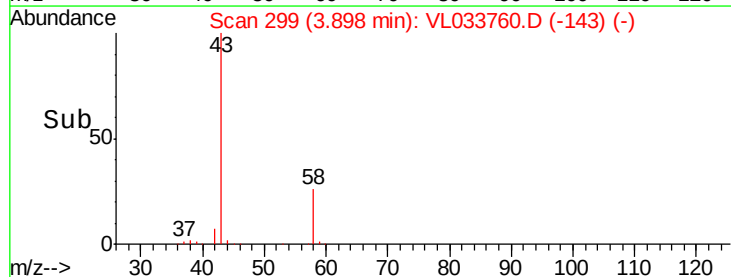
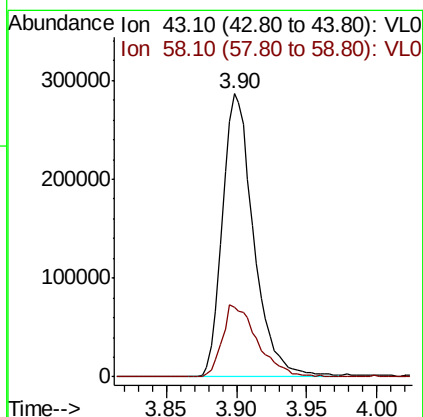
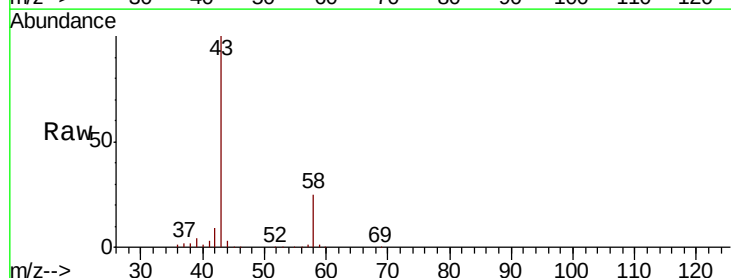
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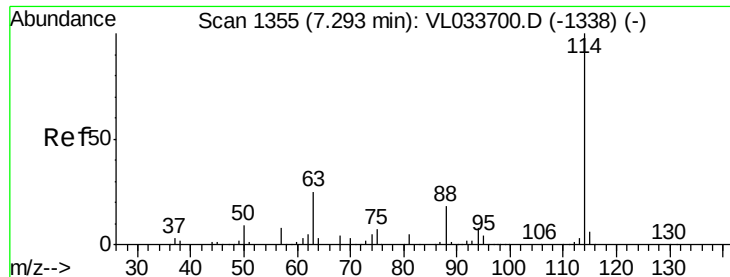
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#15
Acetone
Concen: 3.458 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Tgt Ion	43	Resp	443012
Ion Ratio	100	Lower	Upper
58	29.2	21.3	31.9





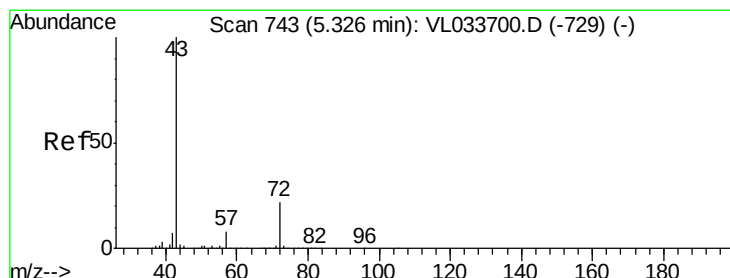
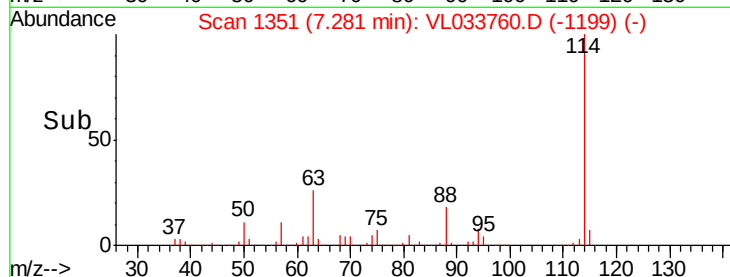
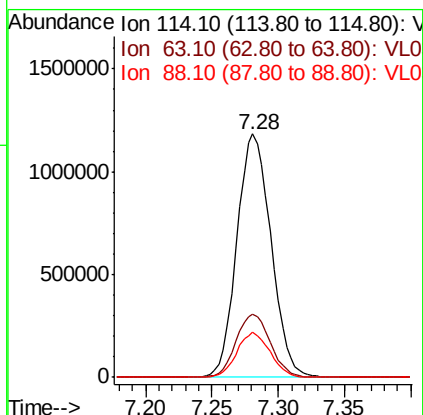
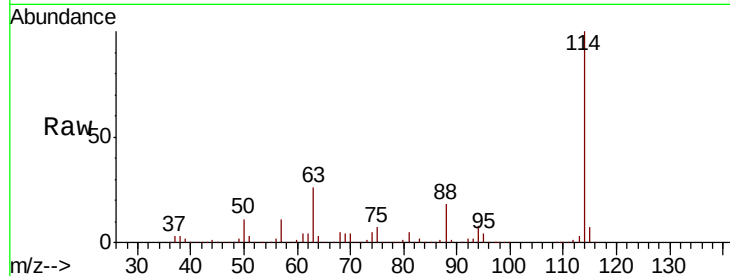
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VL033760.D
 Acq: 23 May 2019 1:18

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-DUP-01DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.9	31.3
88	18.1	14.3	21.5

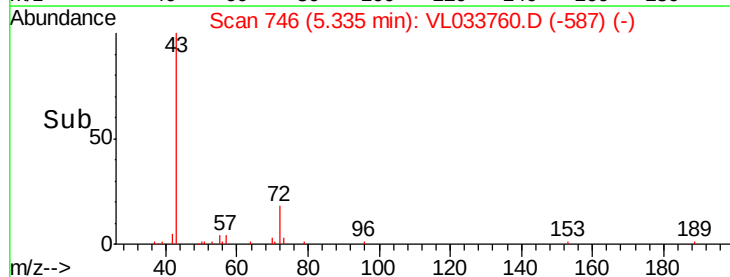
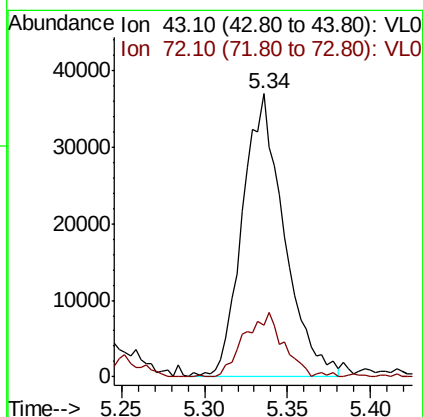
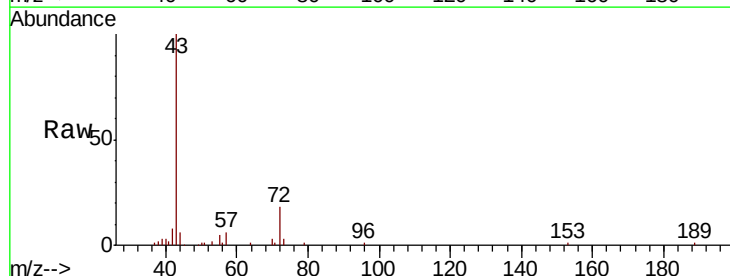
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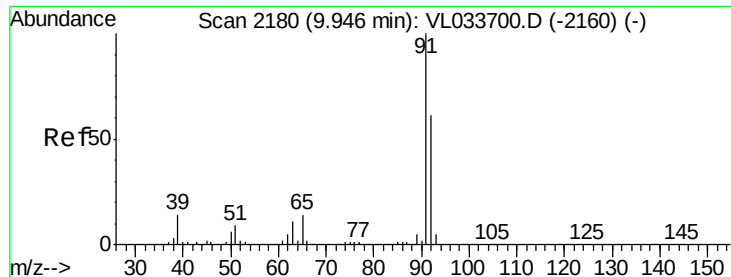
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#34
 2-Butanone
 Concen: 0.493 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VL033760.D
 Acq: 23 May 2019 1:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.8	26.6





#53

Toluene

Concen: 0.279 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033760.D

Acq: 23 May 2019 1:18

Instrument :

MSVOA_L

ClientSampleId :

BPS1-DUP-01DL

Tot Ion: 91 Resp: 58079

Ion Ratio Lower Upper

91 100

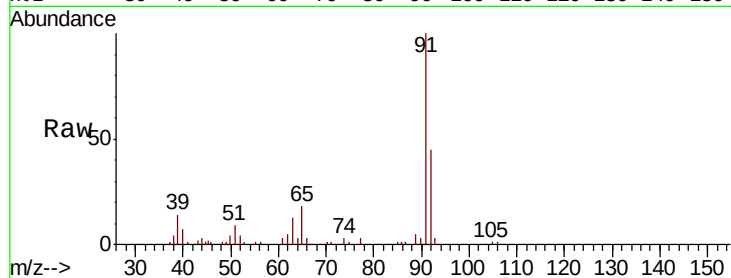
92 56.1 47.6 71.4

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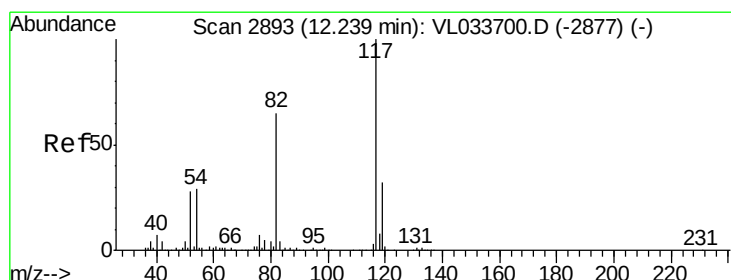
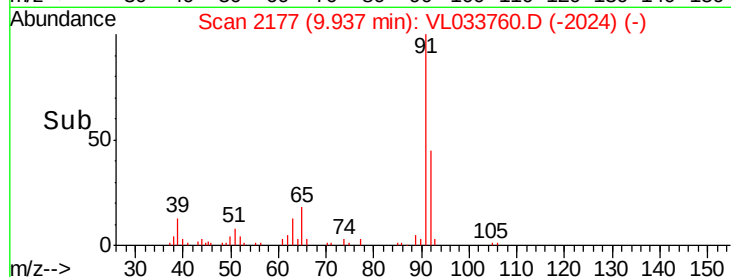
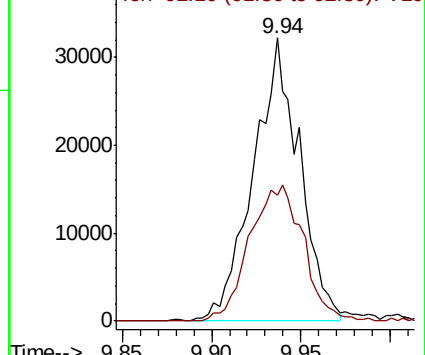
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL033760.D

Acq: 23 May 2019 1:18

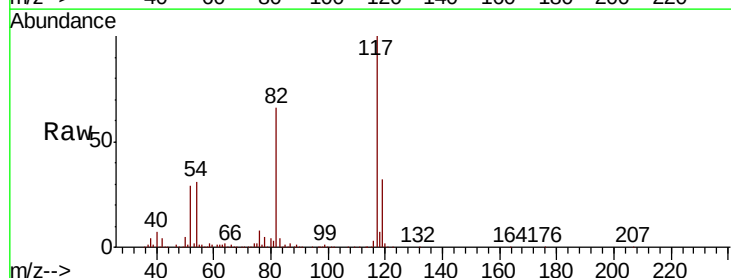
Tgt Ion: 117 Resp: 2129555

Ion Ratio Lower Upper

117 100

82 66.4 49.4 74.0

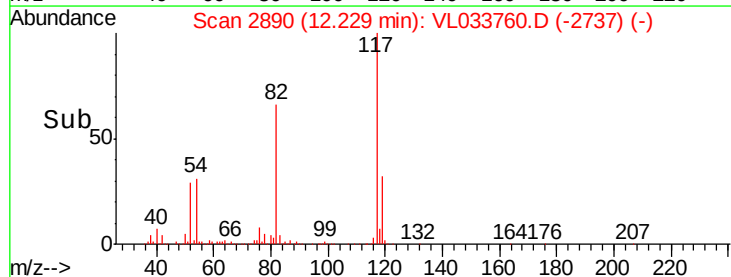
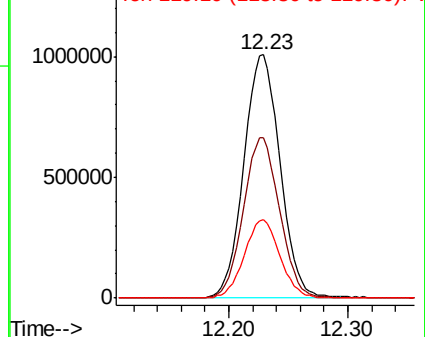
119 31.6 24.9 37.3

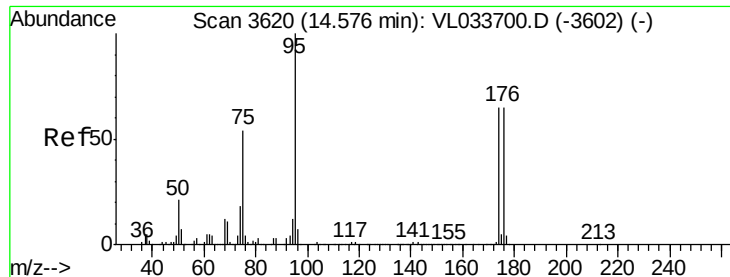


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





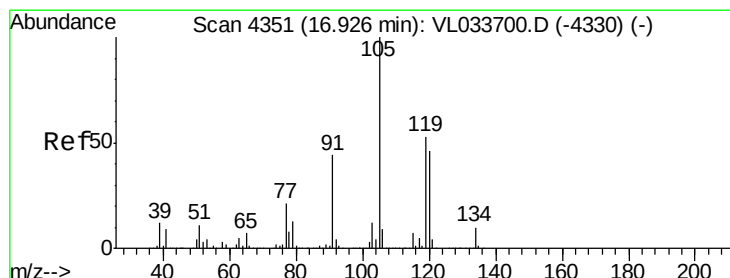
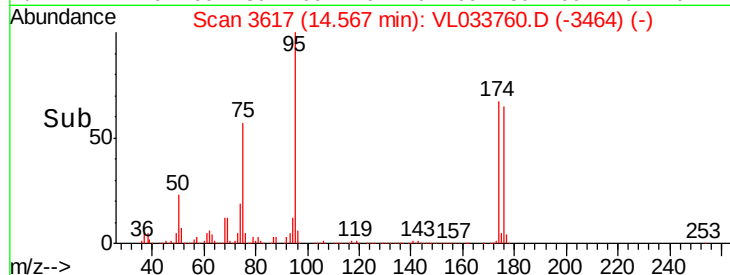
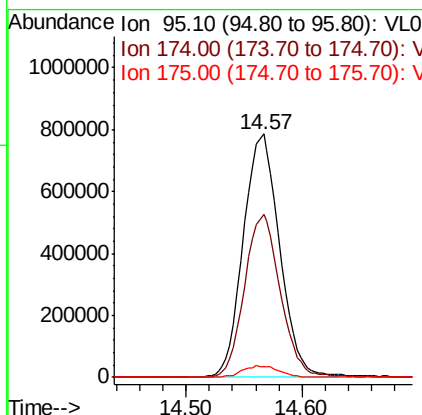
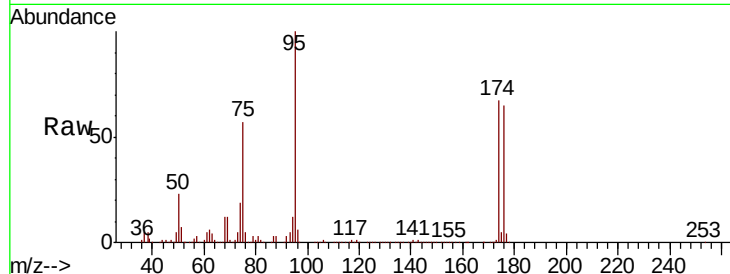
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.934 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL033760.D
 Acq: 23 May 2019 1:18

Instrument :
 MSVOA_L
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 BPS1-DUP-01DL

Tot Ion: 95 Resp: 1715028
 Ion Ratio Lower Upper
 95 100
 174 67.0 53.9 80.9
 175 4.8 3.8 5.8

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#74
 1,2,4-Trimethylbenzene
 Concen: 0.019 ppbv
 RT: 16.92 min Scan# 4348
 Delta R.T. -0.01 min
 Lab File: VL033760.D
 Acq: 23 May 2019 1:18

Tgt Ion: 105 Resp: 5722
 Ion Ratio Lower Upper
 105 100
 120 39.3 36.8 55.2
 91 23.6 35.4 53.0#
 77 0.0 16.8 25.2#

