

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030819\
 Data File : VL033268.D
 Acq On : 8 Mar 2019 22:08
 Operator : SY/AP
 Sample : 0.4 PPB MDL
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Manual Integrations
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MMDadoda
 3/11/2019 10:10:27 AM

Quant Time: Mar 09 05:05:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Mar 09 05:05:37 2019
 QLast Update : Sat Mar 09 03:32:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1046916	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2273790	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2285403	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1827994	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	8780m	0.579	ppbv	
40) 1,4-Dioxane	8.00	88	13040m	0.460	ppbv	
66) Benzyl Chloride	17.16	91	27223m	0.239	ppbv	
80) Naphthalene,2-methyl-	25.13	142	2844	0.038	ppbv #	83

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

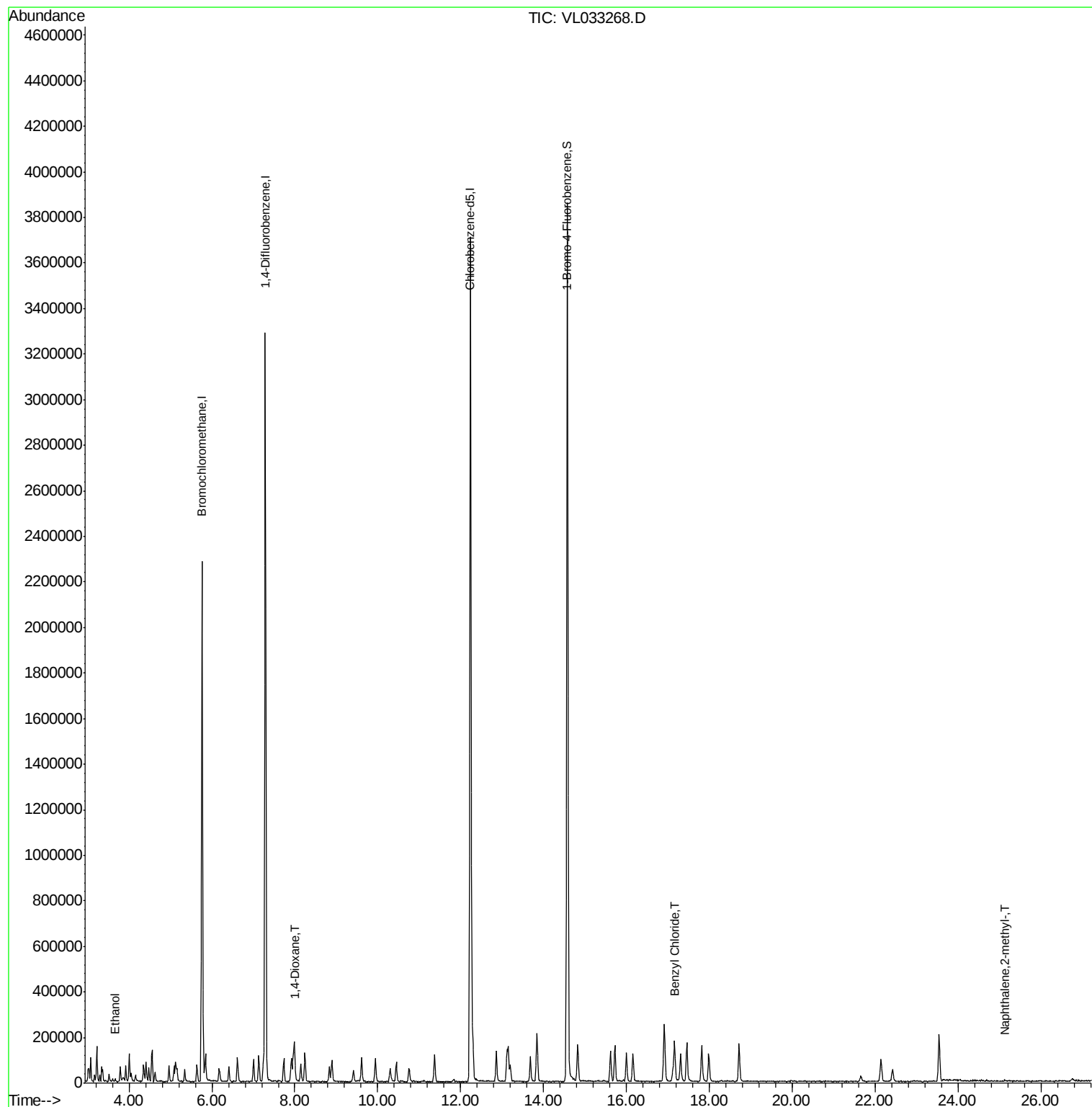
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030819\
Data File : VL033268.D
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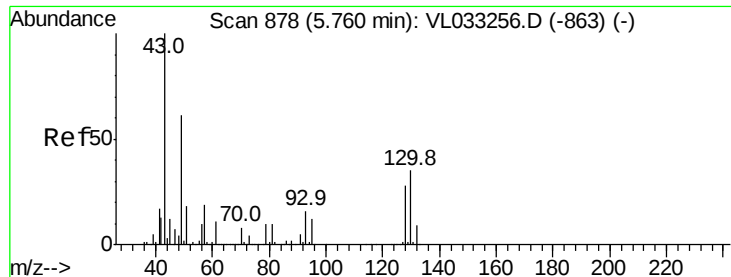
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

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3/11/2019 10:10:27 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Mar
QLast Update : Sat Mar 09 03:32:03 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033268.D

Acq: 8 Mar 2019 22:08

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

Tot Ion: 49 Resp: 1046916

Ion Ratio Lower Upper

49 100

128 46.1 22.5 67.5

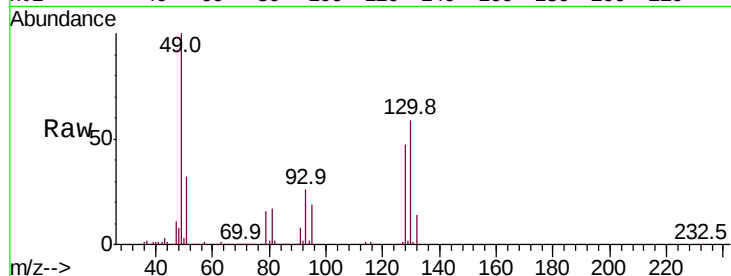
130 59.4 29.1 87.4

Manual Integrations

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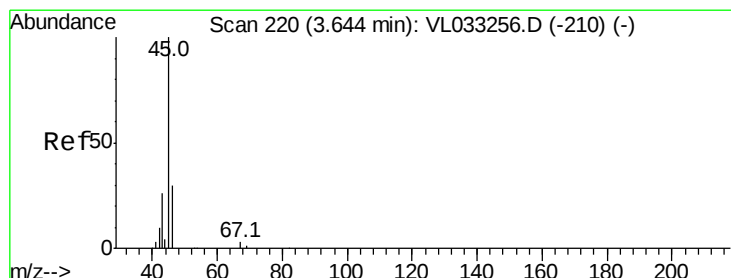
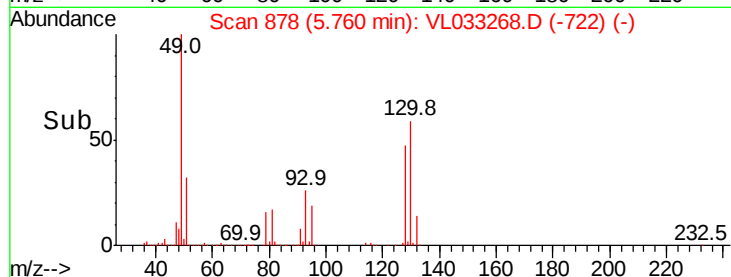
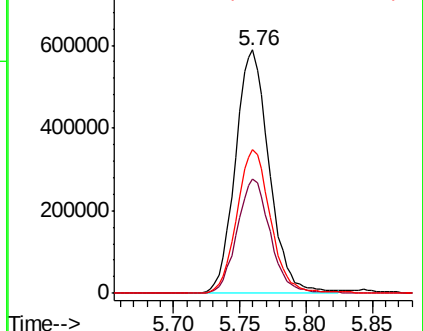
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 0.579 ppbv m

RT: 3.66 min Scan# 225

Delta R.T. 0.02 min

Lab File: VL033268.D

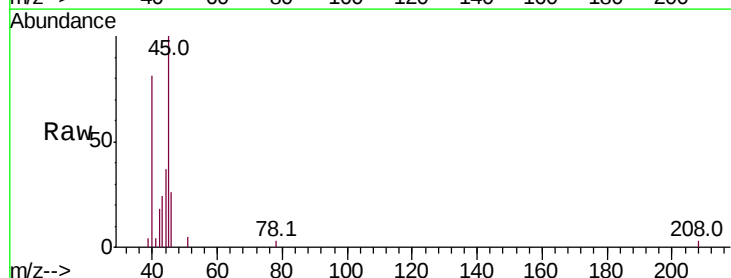
Acq: 8 Mar 2019 22:08

Tgt Ion: 45 Resp: 8780

Ion Ratio Lower Upper

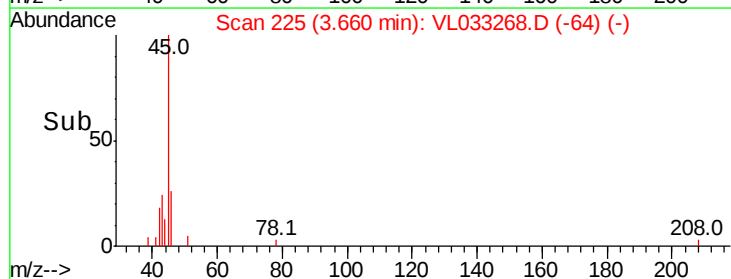
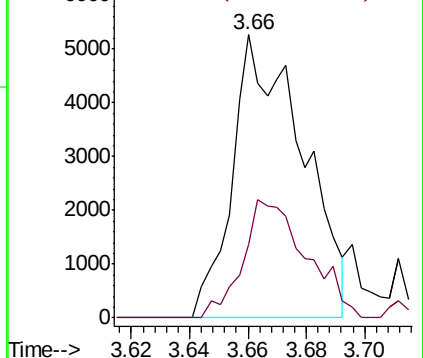
45 100

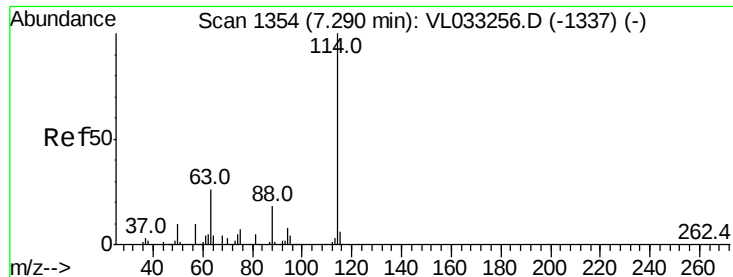
46 39.3 14.9 59.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





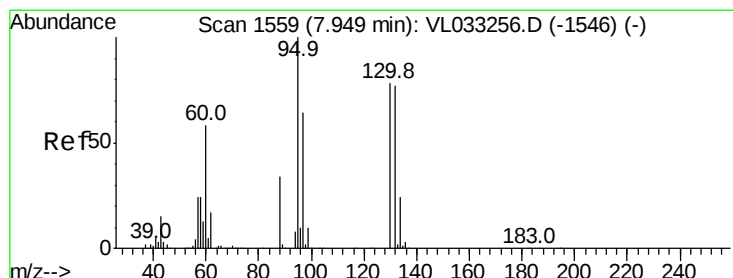
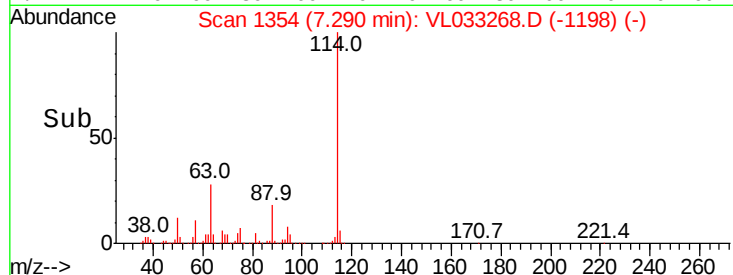
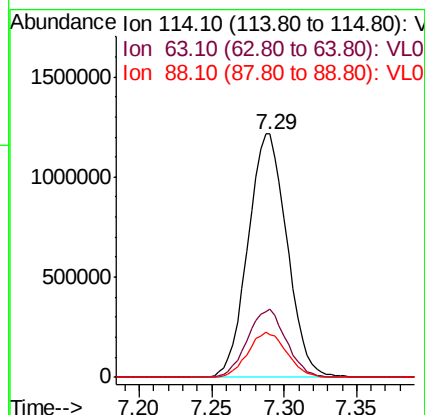
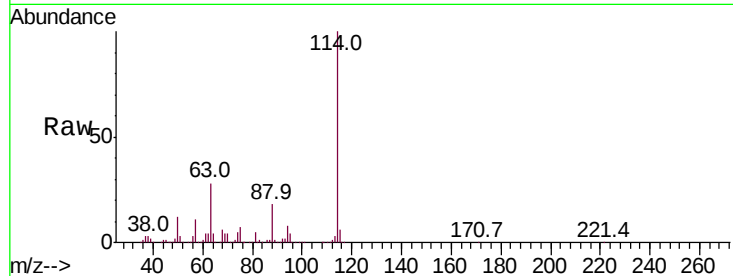
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. 0.00 min
 Lab File: VL033268.D
 Acq: 8 Mar 2019 22:08

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.2	33.2
88	18.6	14.6	22.0

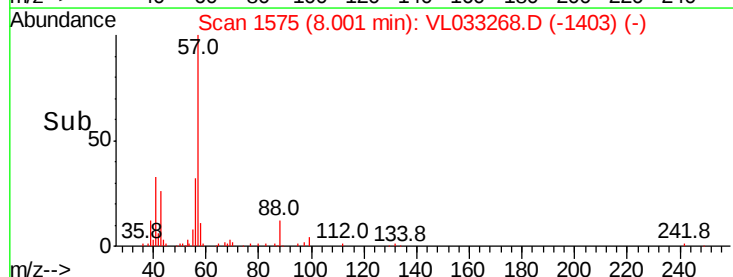
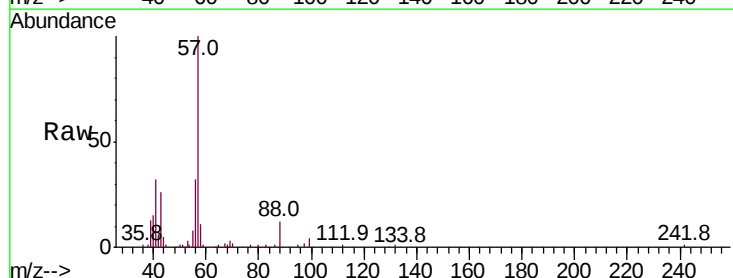
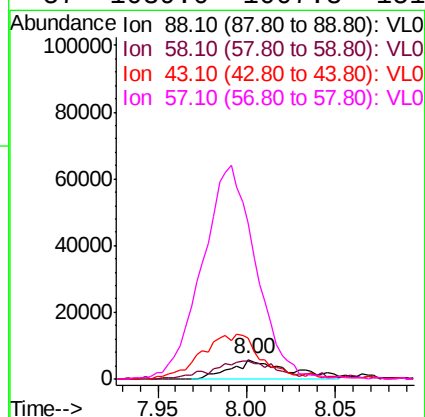
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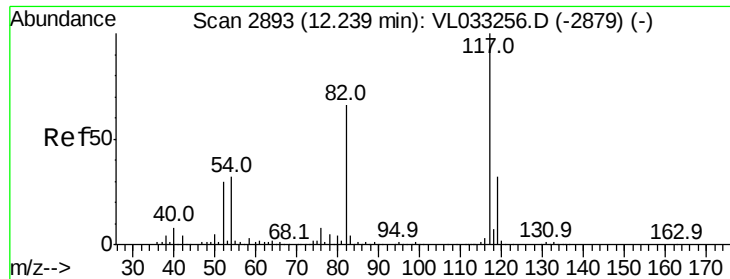
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#40
 1,4-Dioxane
 Concen: 0.460 ppbv m
 RT: 8.00 min Scan# 1575
 Delta R.T. 0.05 min
 Lab File: VL033268.D
 Acq: 8 Mar 2019 22:08

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	108.4	162.6#
43	253.6	232.3	348.5
57	1039.0	1007.8	1511.8





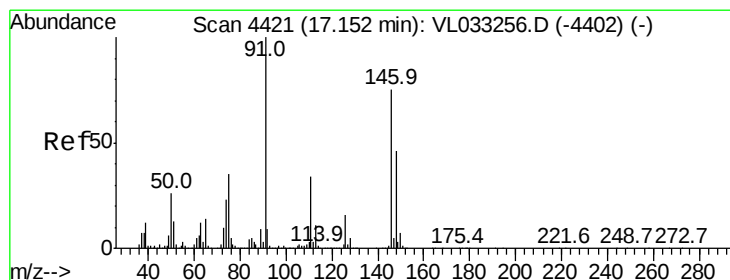
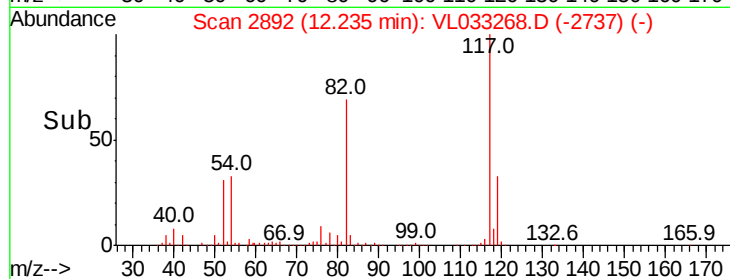
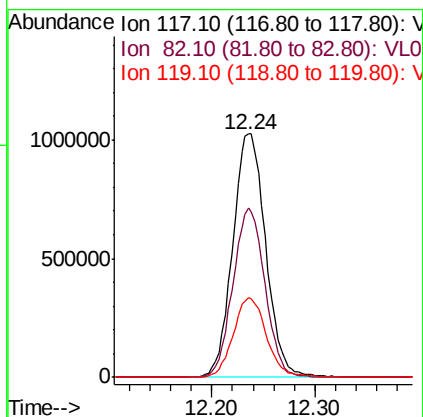
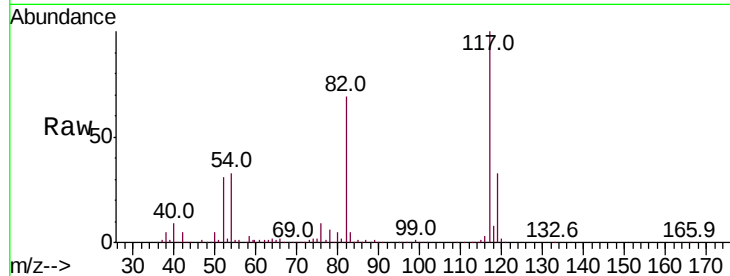
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033268.D
Acq: 8 Mar 2019 22:08

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Tot Ion:117 Resp: 2285403
Ion Ratio Lower Upper
117 100
82 67.7 52.2 78.4
119 33.1 43.4 65.2#

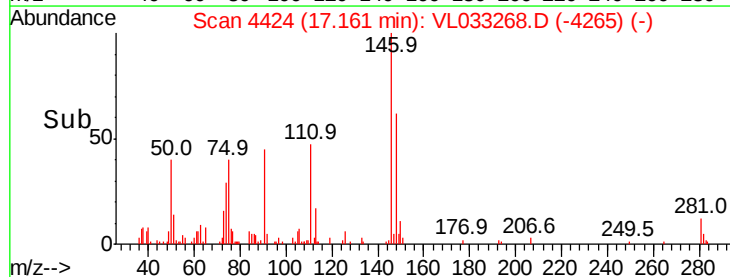
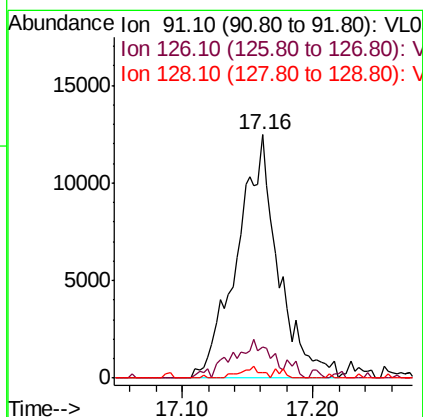
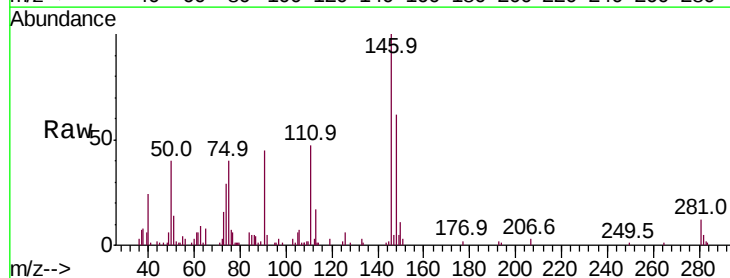
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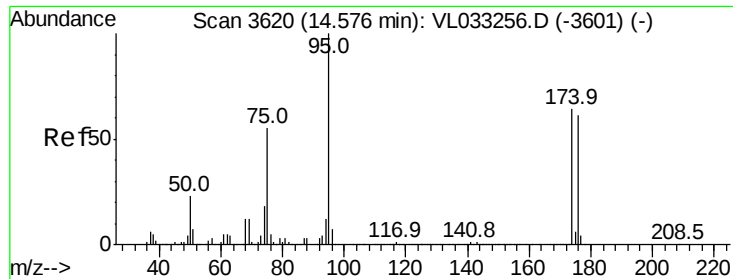
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#66
Benzyl Chloride
Concen: 0.239 ppbv m
RT: 17.16 min Scan# 4424
Delta R.T. 0.01 min
Lab File: VL033268.D
Acq: 8 Mar 2019 22:08

Tgt Ion: 91 Resp: 27223
Ion Ratio Lower Upper
91 100
126 18.0 13.0 19.6
128 2.2 4.2 6.2#





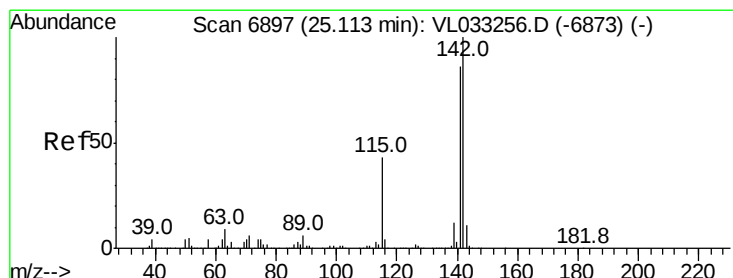
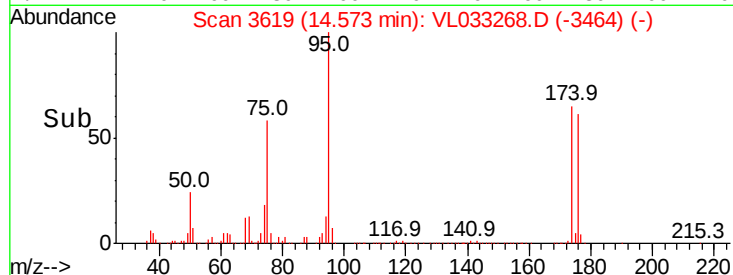
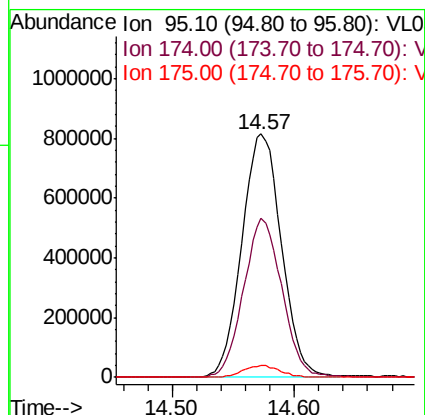
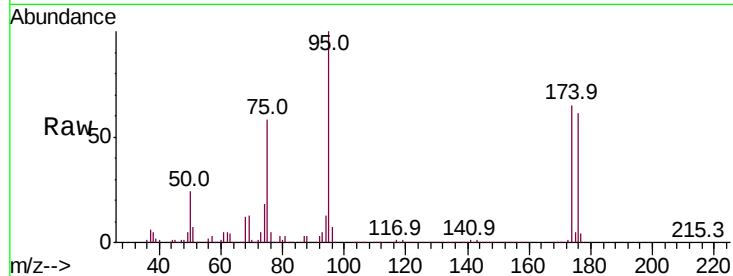
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.966 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL033268.D
 Acq: 8 Mar 2019 22:08

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Tot Ion: 95 Resp: 1827994
 Ion Ratio Lower Upper
 95 100
 174 63.8 51.7 77.5
 175 4.7 3.8 5.8

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#80
 Naphthalene, 2-methyl-
 Concen: 0.038 ppbv
 RT: 25.13 min Scan# 6902
 Delta R.T. 0.02 min
 Lab File: VL033268.D
 Acq: 8 Mar 2019 22:08

Tgt Ion: 142 Resp: 2844
 Ion Ratio Lower Upper
 142 100
 141 66.4 67.6 101.4#
 115 34.7 33.9 50.9

