

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030819\
 Data File : VL033267.D
 Acq On : 8 Mar 2019 21:31
 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
 APPROVED

MMDadoda
 3/11/2019 10:10:25 AM

Quant Time: Mar 09 05:02:58 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 05:02:58 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	1022796	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2273486	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2254690	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1807715	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	7499	0.506	ppbv	66
40) 1,4-Dioxane	8.01	88	10433m	0.368	ppbv	
66) Benzyl Chloride	17.16	91	26705	0.237	ppbv #	97
80) Naphthalene,2-methyl-	25.12	142	3500	0.048	ppbv #	40

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

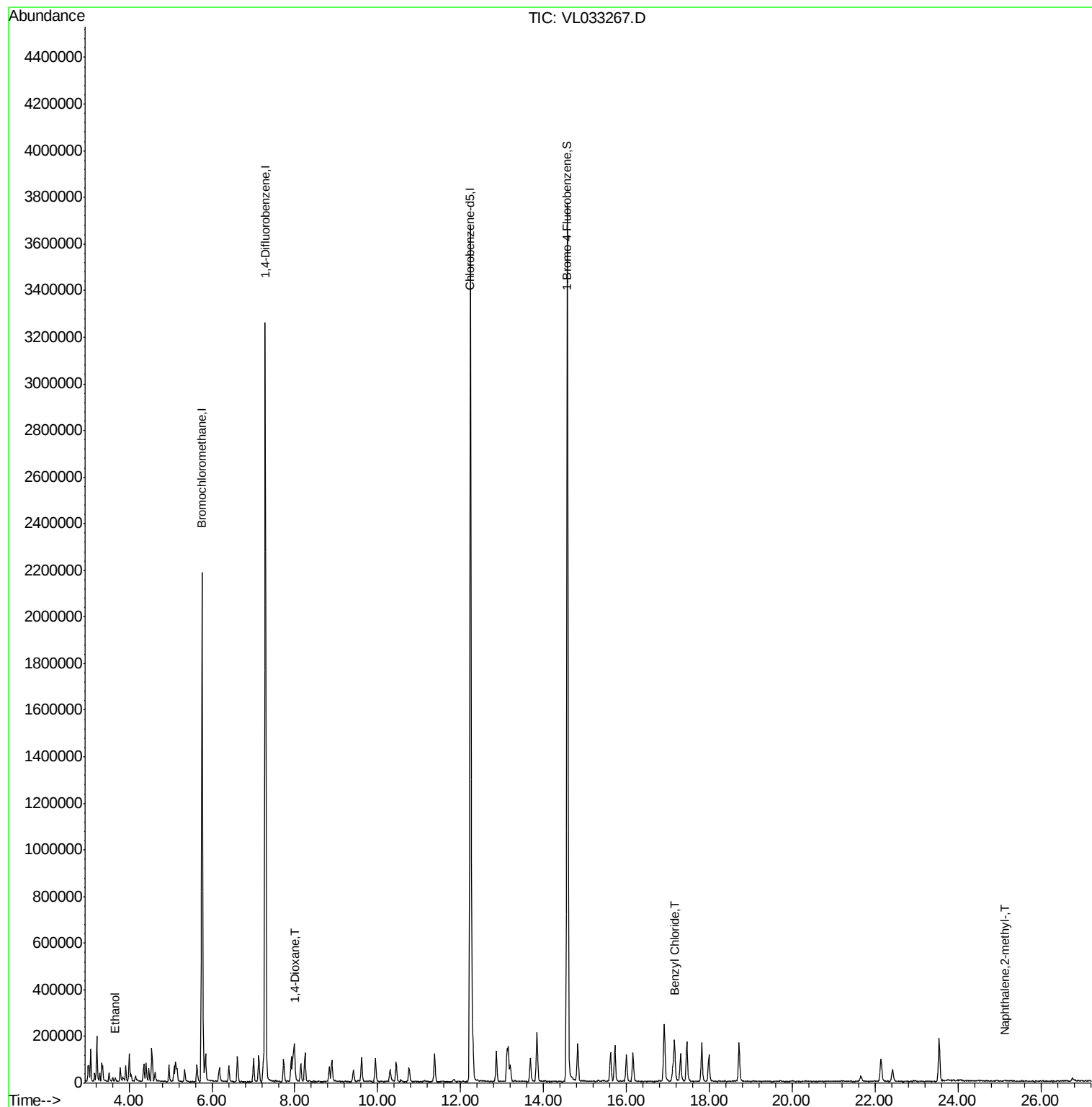
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030819\
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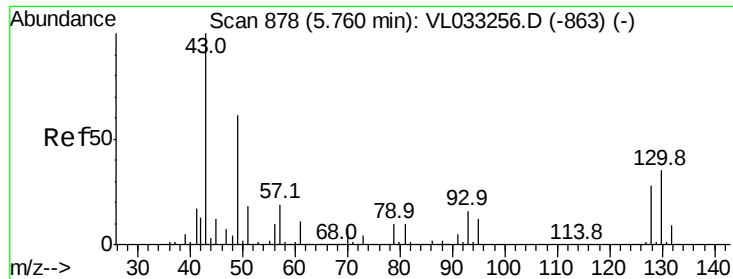
Instrument :
MSVOA_L
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030819AIR.M
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QLast Update : Sat Mar 09 03:32:03 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

Tot Ion: 49 Resp: 1022796

Ion Ratio Lower Upper

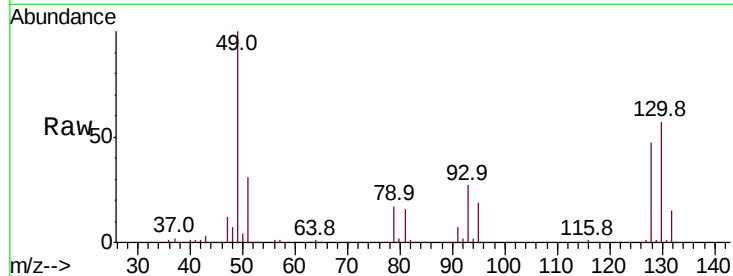
49 100

128 45.5 22.5 67.5

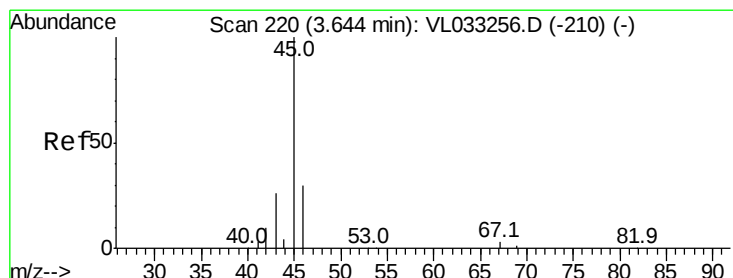
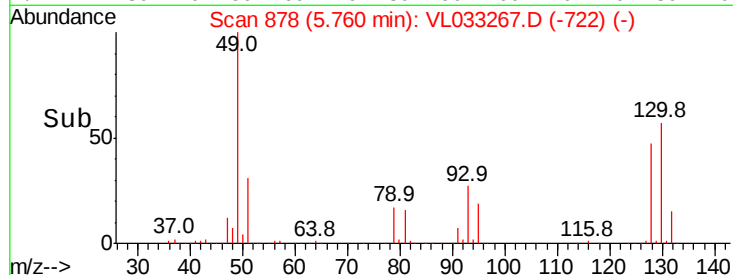
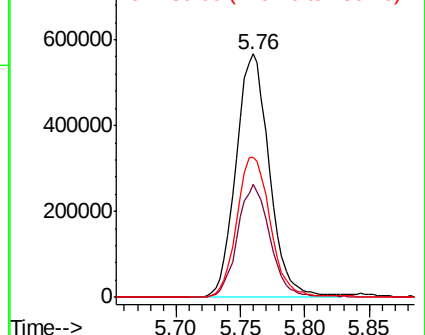
130 58.5 29.1 87.4

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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: 0.506 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.02 min

Lab File: VL033267.D

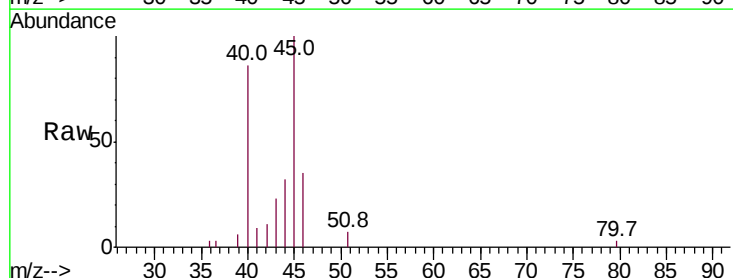
Acq: 8 Mar 2019 21:31

Tgt Ion: 45 Resp: 7499

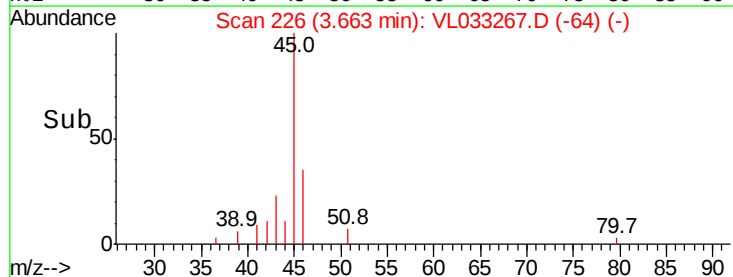
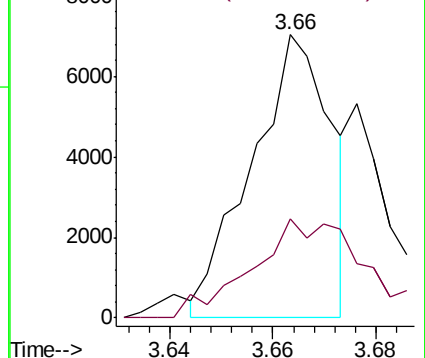
Ion Ratio Lower Upper

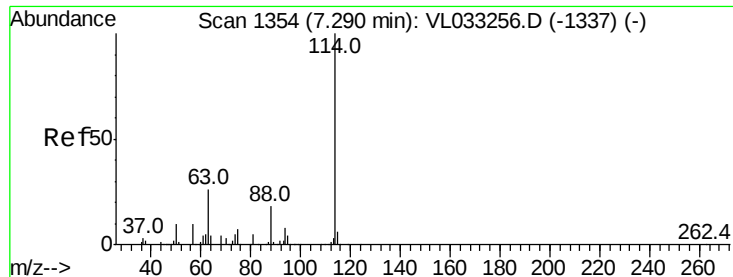
45 100

46 57.5 14.9 59.7



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





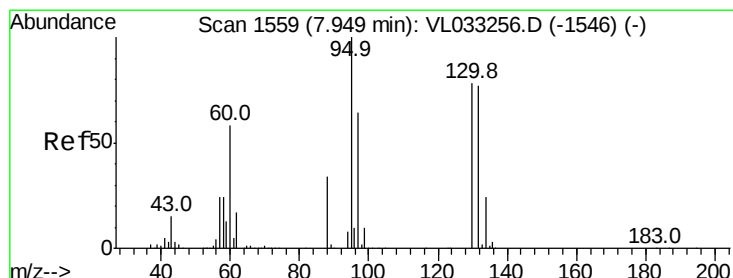
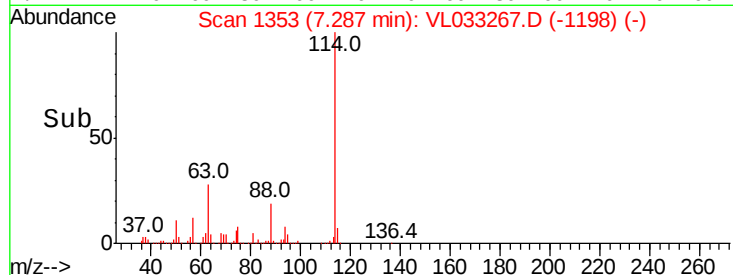
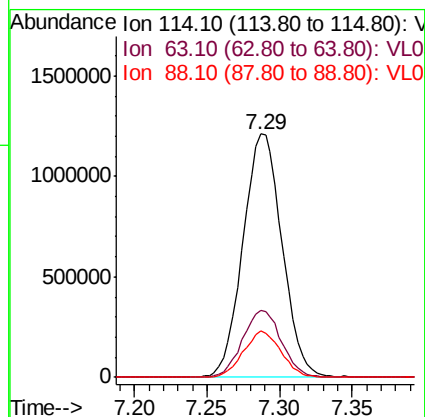
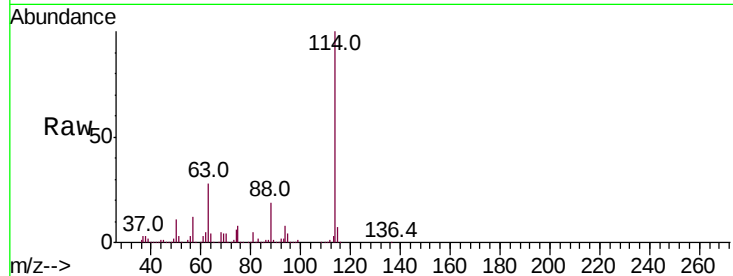
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Tot Ion:114 Resp: 2273486
 Ion Ratio Lower Upper
 114 100
 63 27.5 22.2 33.2
 88 18.4 14.6 22.0

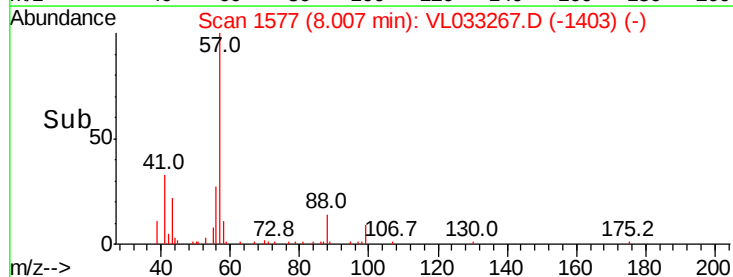
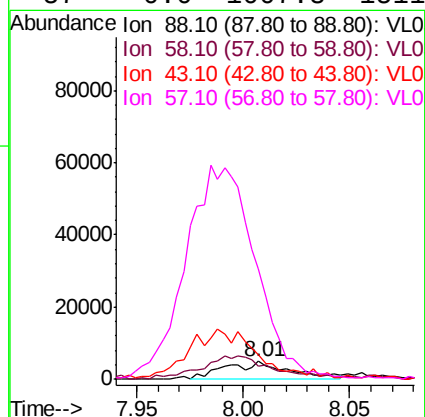
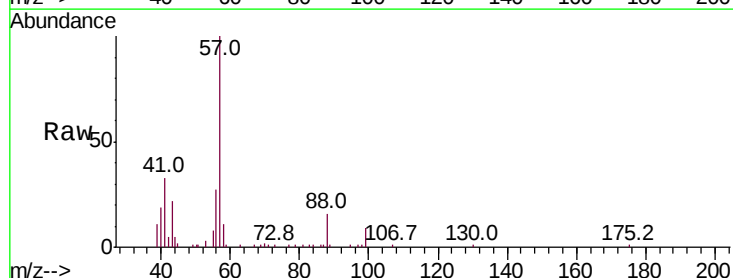
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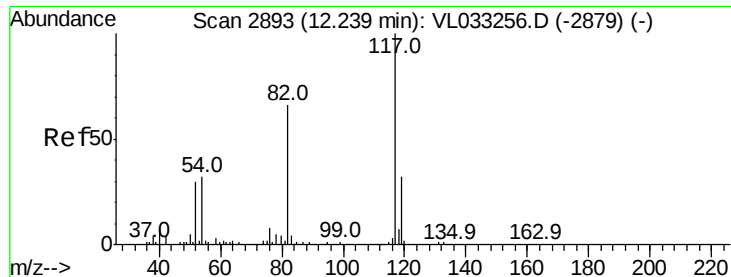
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#40
 1,4-Dioxane
 Concen: 0.368 ppbv m
 RT: 8.01 min Scan# 1577
 Delta R.T. 0.06 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Tgt Ion: 88 Resp: 10433
 Ion Ratio Lower Upper
 88 100
 58 0.0 108.4 162.6#
 43 0.0 232.3 348.5#
 57 0.0 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: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

Tot Ion:117 Resp: 2254690

Ion Ratio Lower Upper

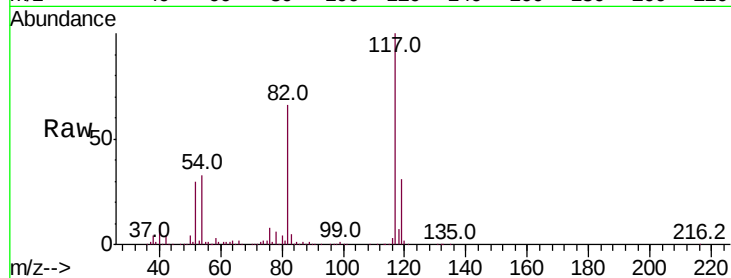
117 100

82 67.9 52.2 78.4

119 33.3 43.4 65.2#

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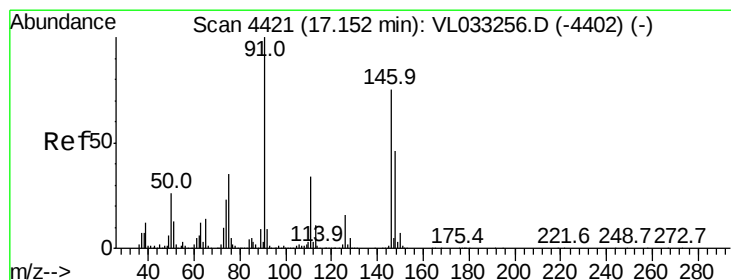
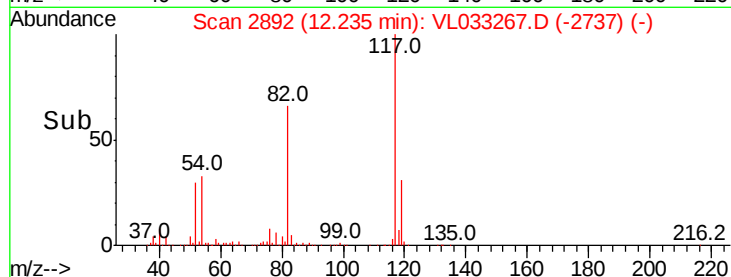
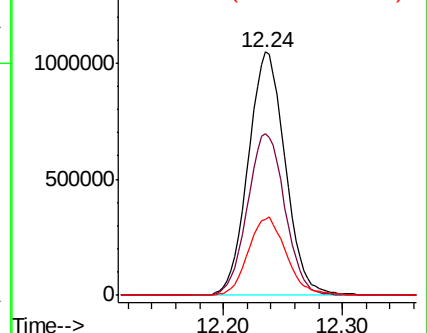
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#66

Benzyl Chloride

Concen: 0.237 ppbv

RT: 17.16 min Scan# 4423

Delta R.T. 0.01 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

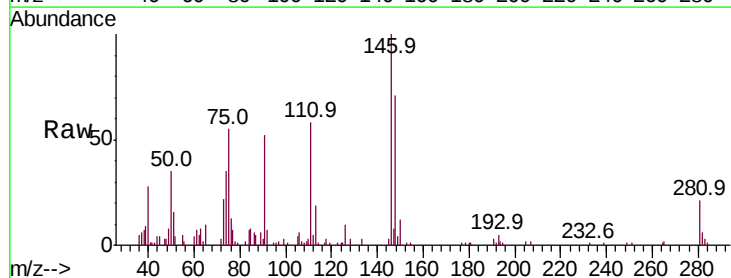
Tgt Ion: 91 Resp: 26705

Ion Ratio Lower Upper

91 100

126 15.0 13.0 19.6

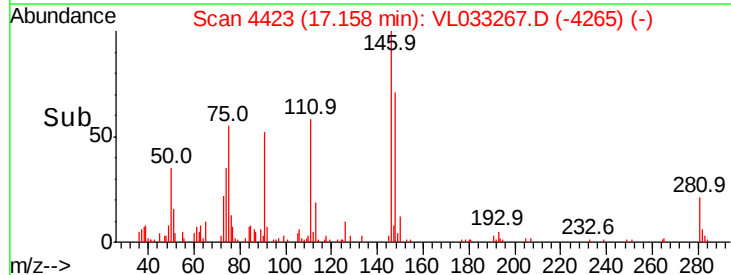
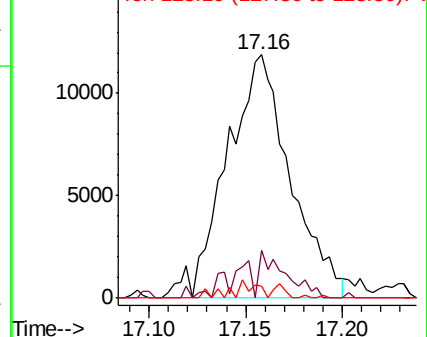
128 3.9 4.2 6.2#

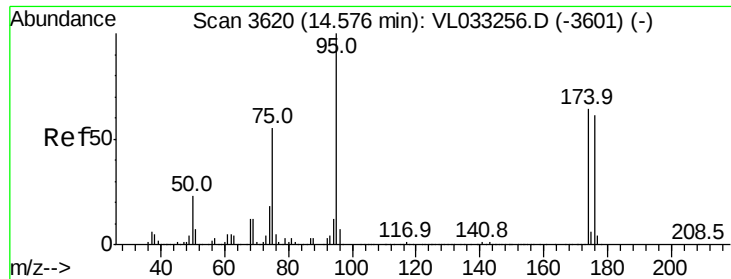


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





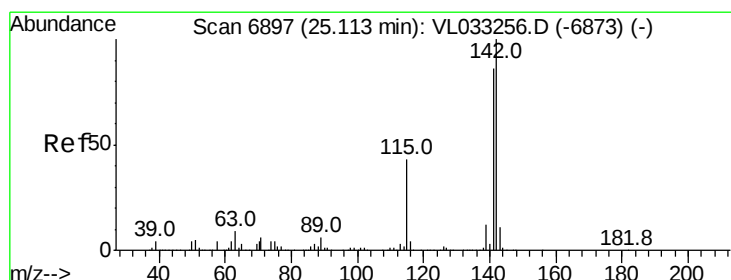
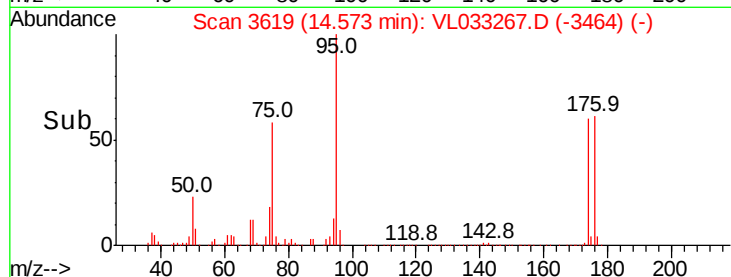
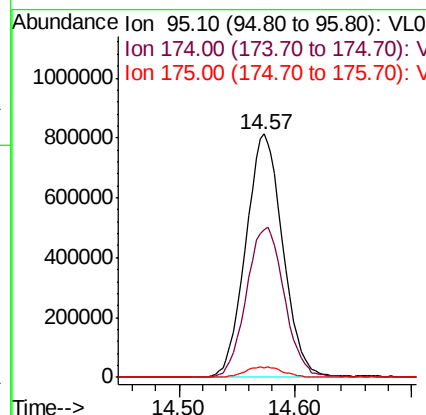
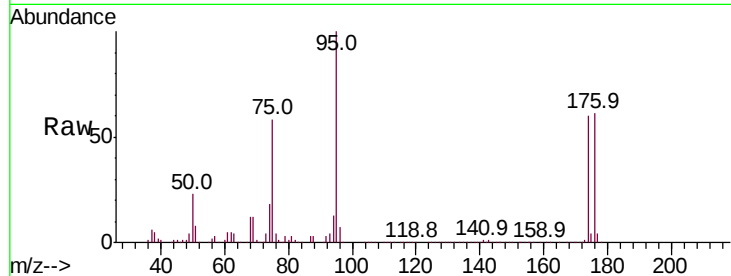
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.990 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Tot Ion: 95 Resp: 1807715
 Ion Ratio Lower Upper
 95 100
 174 63.4 51.7 77.5
 175 4.5 3.8 5.8

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#80
 Naphthalene, 2-methyl-
 Concen: 0.048 ppbv
 RT: 25.12 min Scan# 6900
 Delta R.T. 0.01 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Tgt Ion: 142 Resp: 3500
 Ion Ratio Lower Upper
 142 100
 141 32.6 67.6 101.4#
 115 1.2 33.9 50.9#

