

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030819\
 Data File : VL033269.D
 Acq On : 8 Mar 2019 22:45
 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 10:10:29 AM

Quant Time: Mar 09 05:10:09 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 05:10:09 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	1031641	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2305816	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2259969	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1813523	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	8864	0.593	ppbv	86
40) 1,4-Dioxane	7.99	88	9473m	0.330	ppbv	
66) Benzyl Chloride	17.16	91	26739m	0.237	ppbv	
80) Naphthalene,2-methyl-	25.12	142	2806	0.038	ppbv	92

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

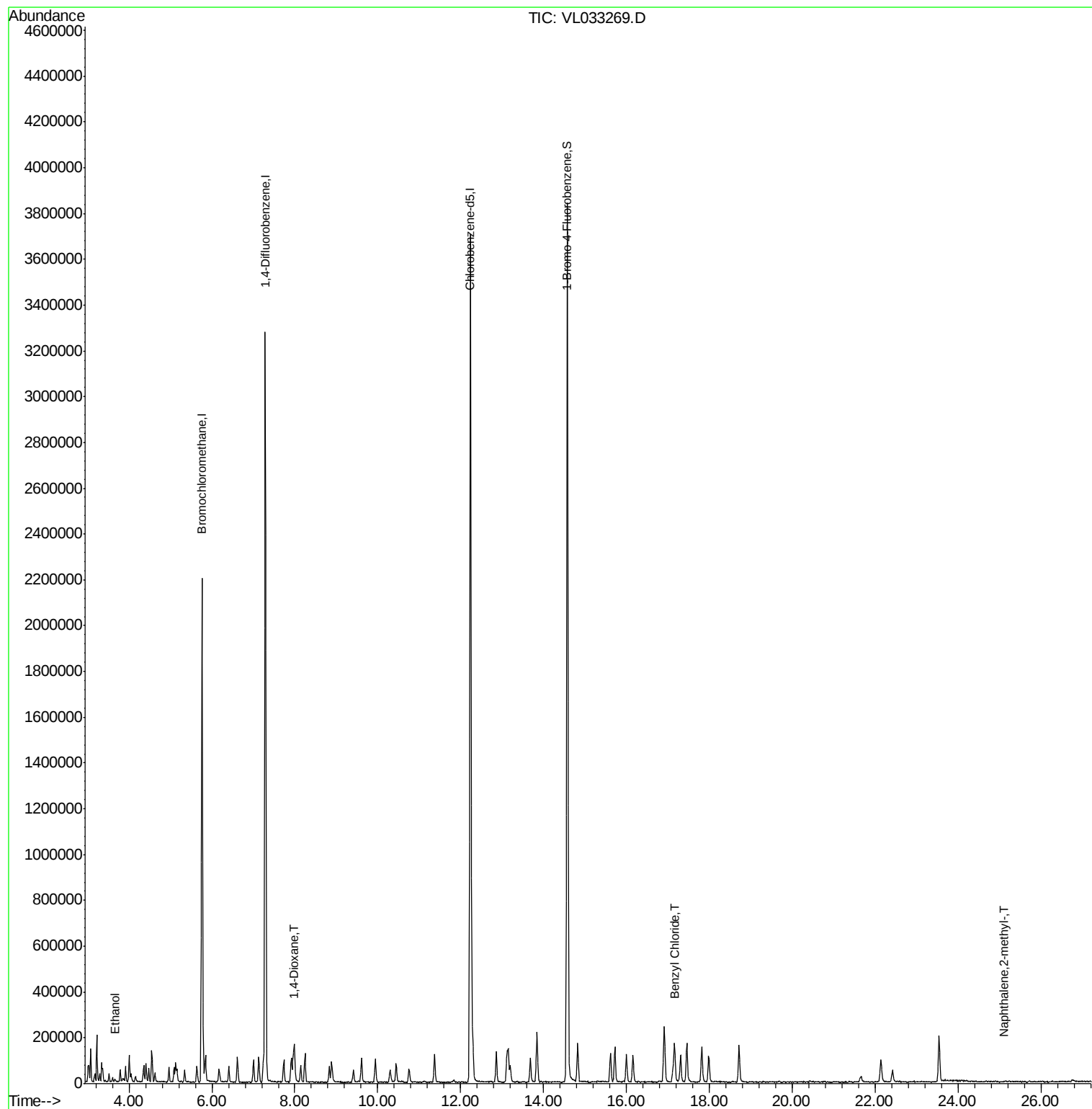
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Data File : VL033269.D
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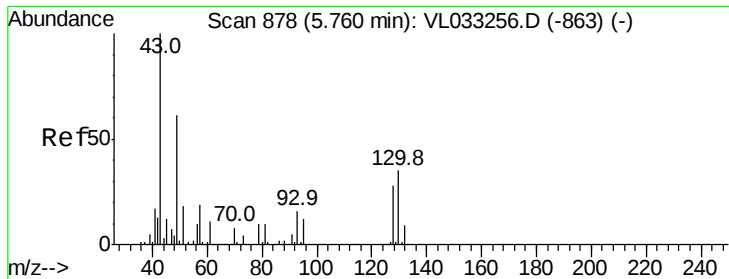
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030819AIR.M
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QLast Update : Sat Mar 09 03:32:03 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

Tot Ion: 49 Resp: 1031641

Ion Ratio Lower Upper

49 100

128 45.6 22.5 67.5

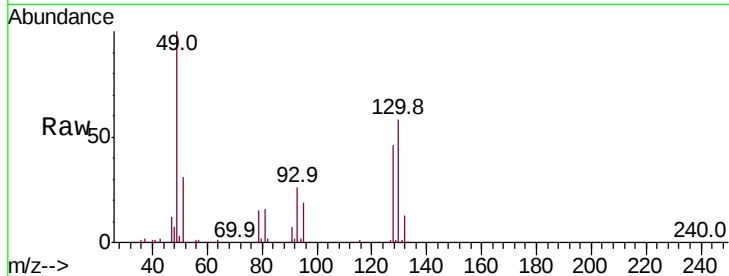
130 58.2 29.1 87.4

Manual Integrations

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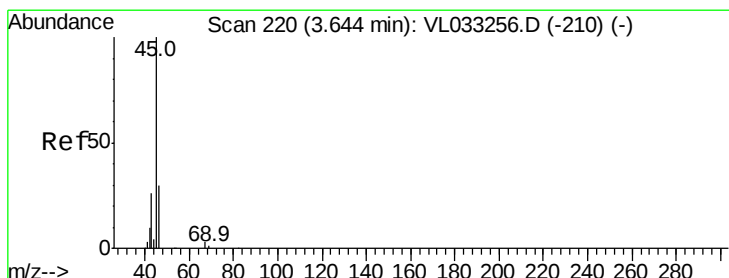
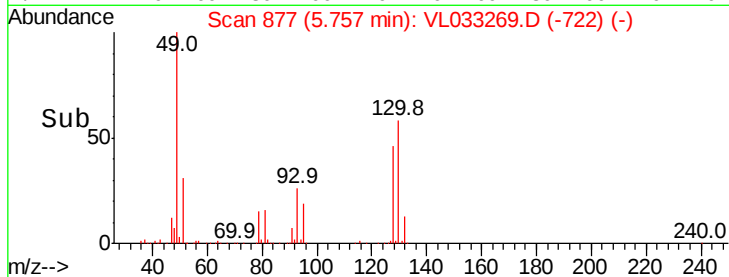
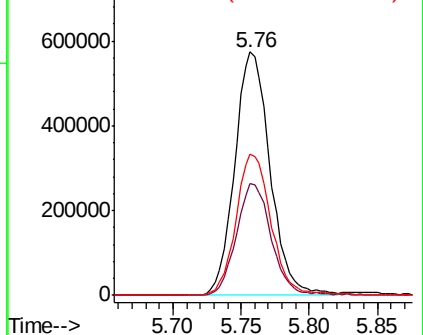
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 0.593 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.02 min

Lab File: VL033269.D

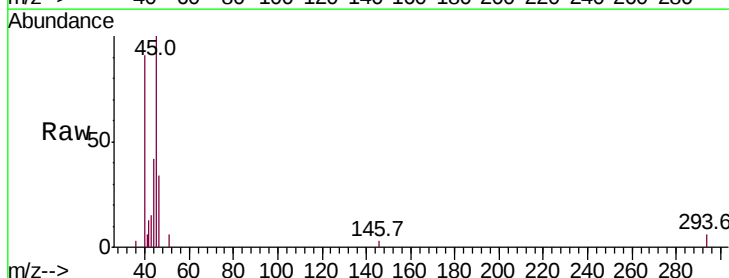
Acq: 8 Mar 2019 22:45

Tgt Ion: 45 Resp: 8864

Ion Ratio Lower Upper

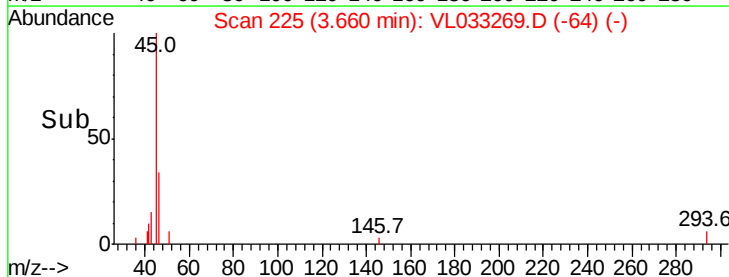
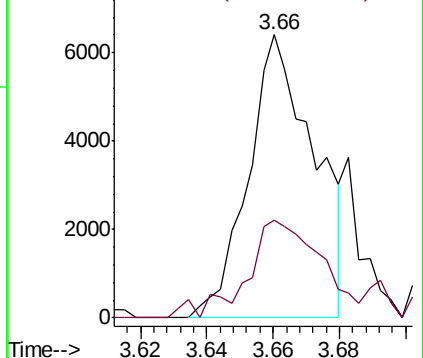
45 100

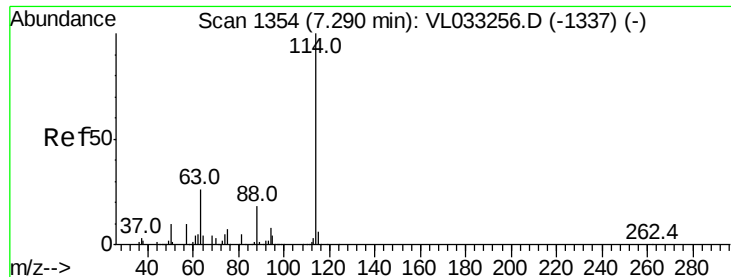
46 45.7 14.9 59.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





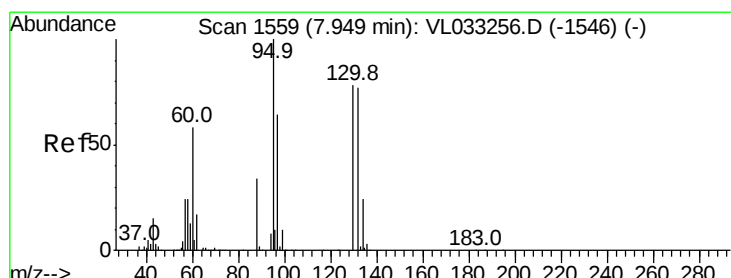
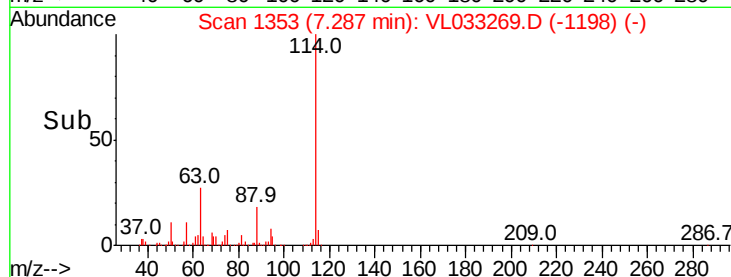
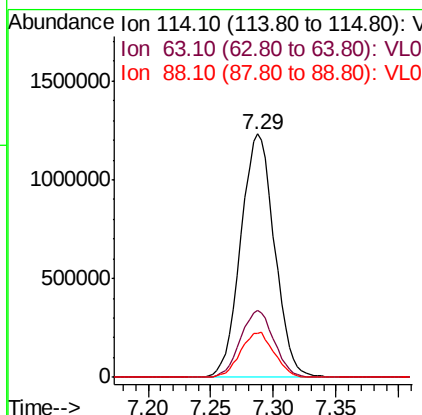
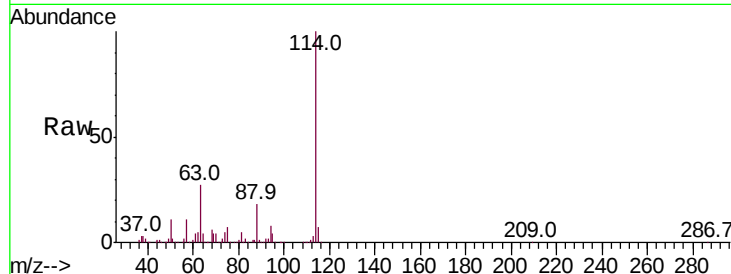
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.2
88	18.4	14.6	22.0

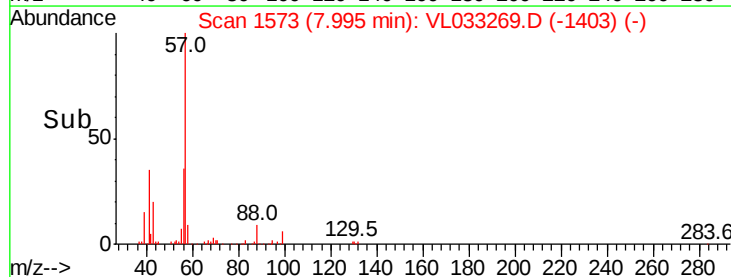
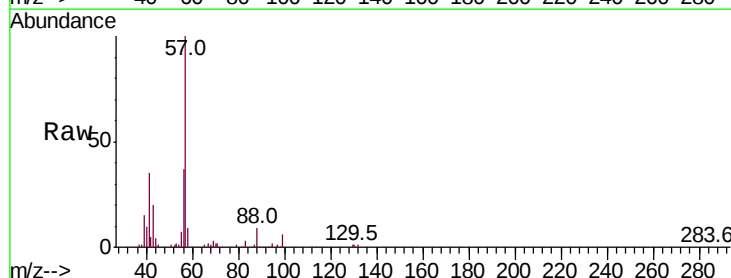
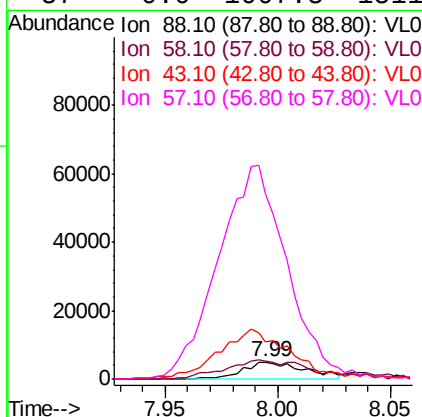
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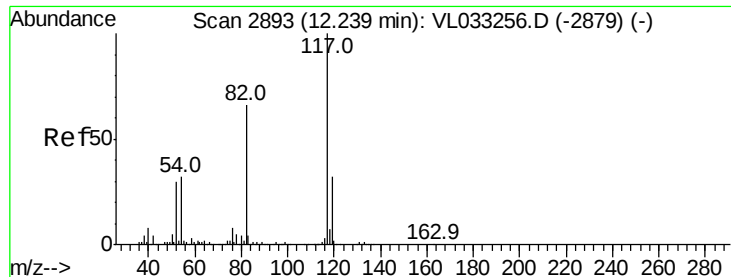
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#40
 1,4-Dioxane
 Concen: 0.330 ppbv m
 RT: 7.99 min Scan# 1573
 Delta R.T. 0.05 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt 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#





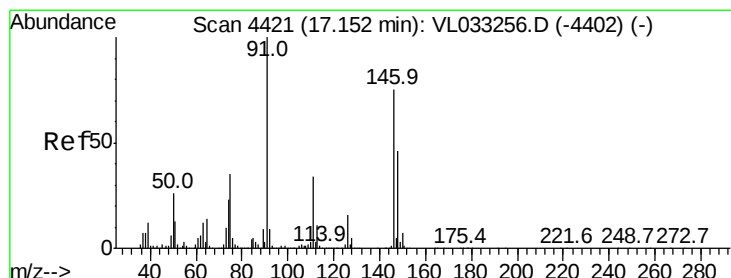
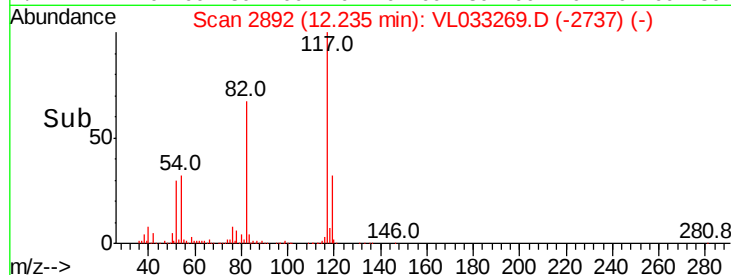
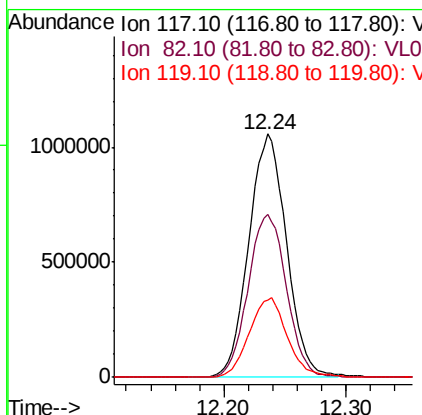
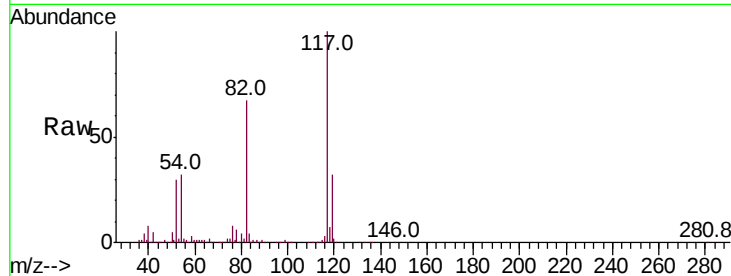
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Tot Ion:117 Resp: 2259969
Ion Ratio Lower Upper
117 100
82 68.3 52.2 78.4
119 33.0 43.4 65.2#

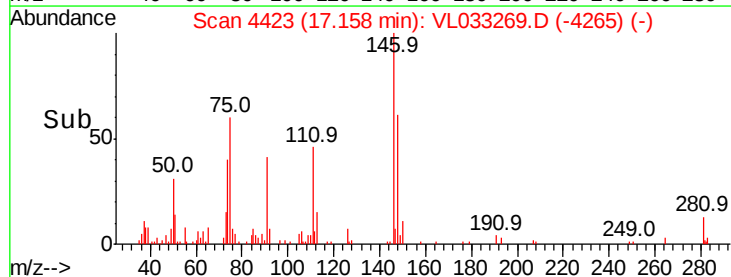
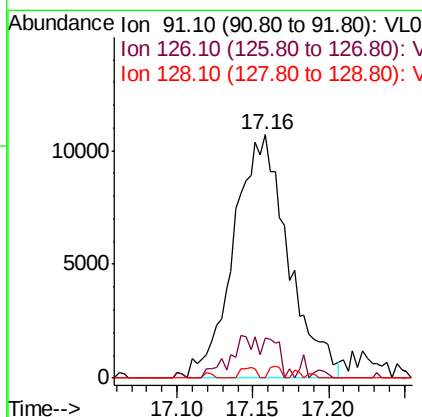
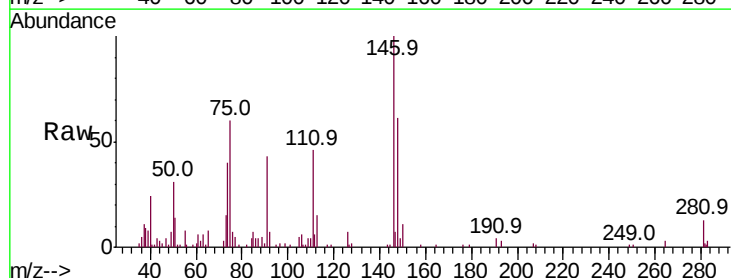
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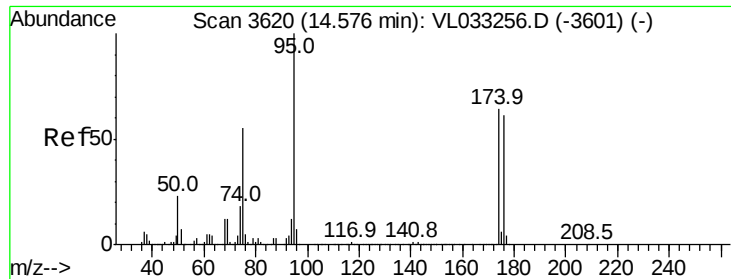
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#66
Benzyl Chloride
Concen: 0.237 ppbv m
RT: 17.16 min Scan# 4423
Delta R.T. 0.01 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

Tgt Ion: 91 Resp: 26739
Ion Ratio Lower Upper
91 100
126 0.8 13.0 19.6#
128 1.7 4.2 6.2#





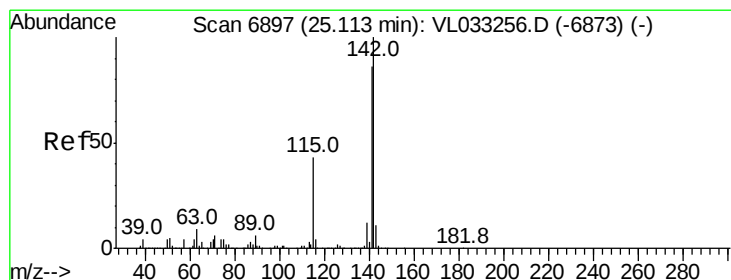
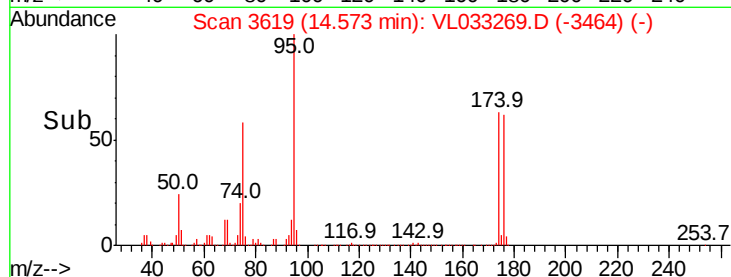
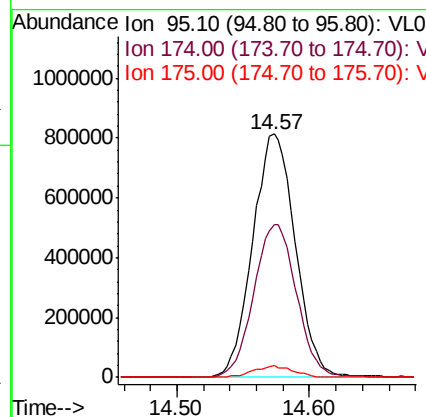
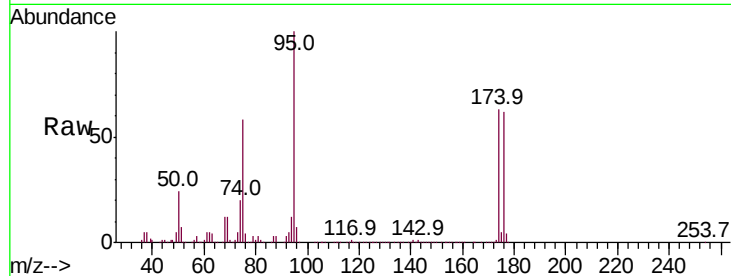
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.999 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Tot Ion: 95 Resp: 1813523
 Ion Ratio Lower Upper
 95 100
 174 63.6 51.7 77.5
 175 4.5 3.8 5.8

Manual Integrations
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#80
 Naphthalene, 2-methyl-
 Concen: 0.038 ppbv
 RT: 25.12 min Scan# 6900
 Delta R.T. 0.01 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion: 142 Resp: 2806
 Ion Ratio Lower Upper
 142 100
 141 90.3 67.6 101.4
 115 35.0 33.9 50.9

