

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032519\
 Data File : VL033446.D
 Acq On : 25 Mar 2019 21:28
 Operator : SY/AP
 Sample : K1560-13 0.4
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2019

Manual Integrations
 APPROVED

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 4/1/2019 1:56:39 AM

Quant Time: Mar 31 10:38:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 26 10:38:09 2019
 QLast Update : Mon Mar 25 16:04:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	719470	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1676426	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1643043	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1307627	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.67	45	4959m	0.604	ppbv	
17) tert-Butyl alcohol	4.38	59	7718m	0.485	ppbv	
20) Methylene Chloride	4.41	84	18030	0.491	ppbv #	76
40) 1,4-Dioxane	8.00	88	9073m	0.462	ppbv	
66) Benzyl Chloride	17.16	91	27222	0.248	ppbv #	98
80) Naphthalene,2-methyl-	25.13	142	4275	0.068	ppbv	87

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

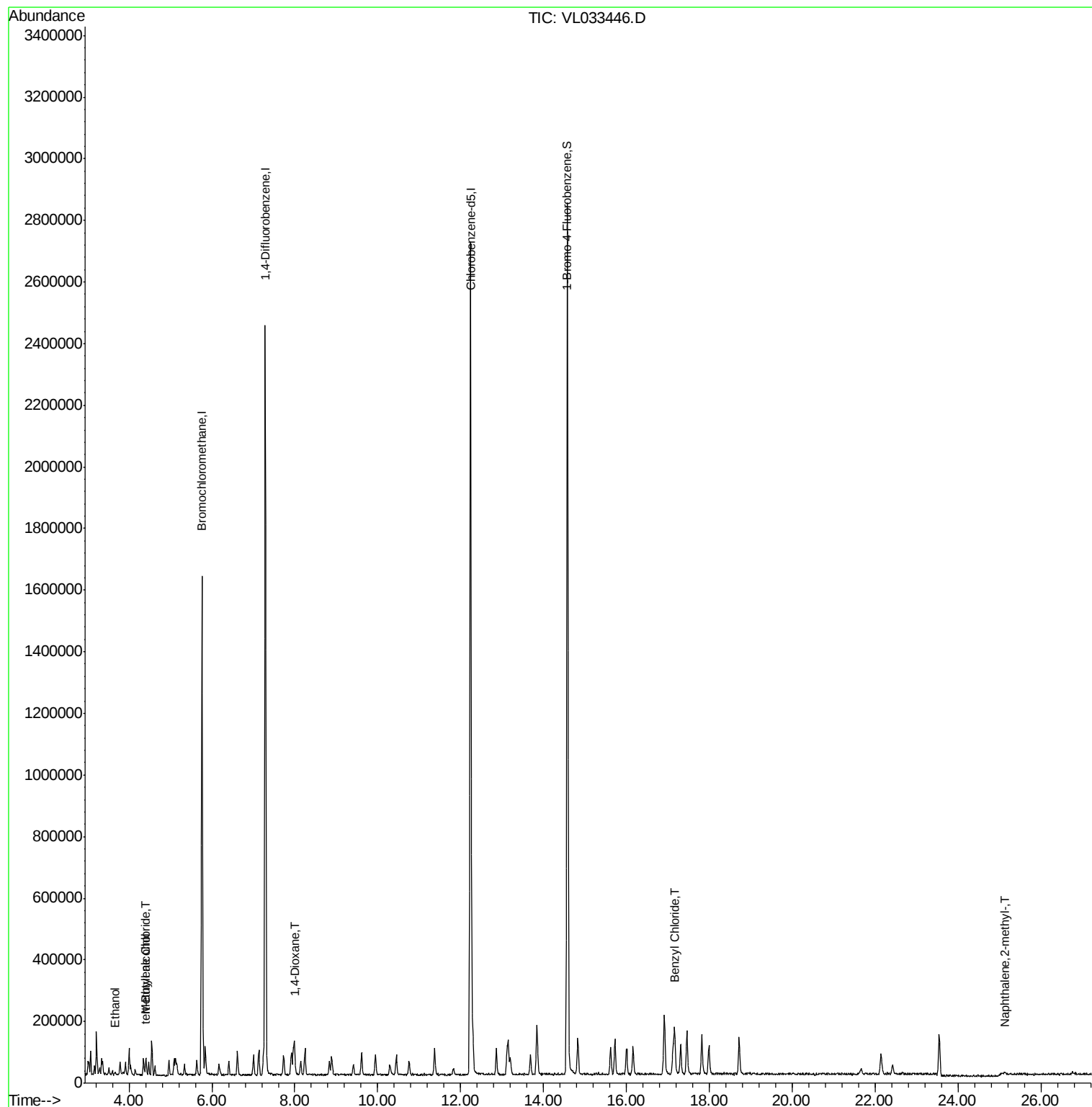
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032519\
Data File : VL033446.D
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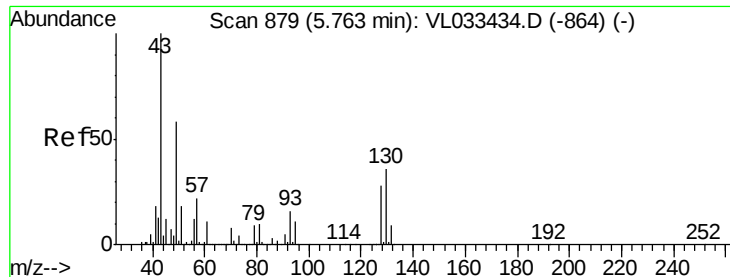
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QLast Update : Mon Mar 25 16:04:49 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

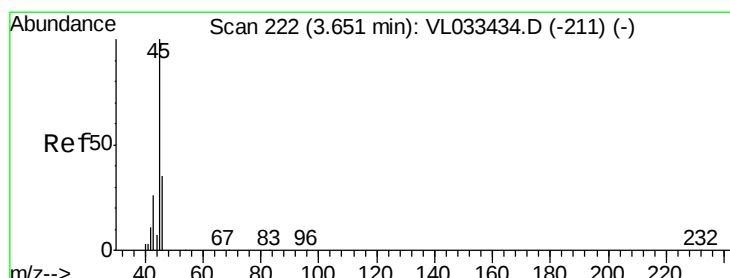
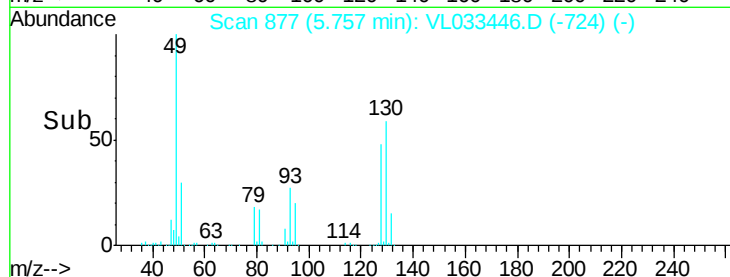
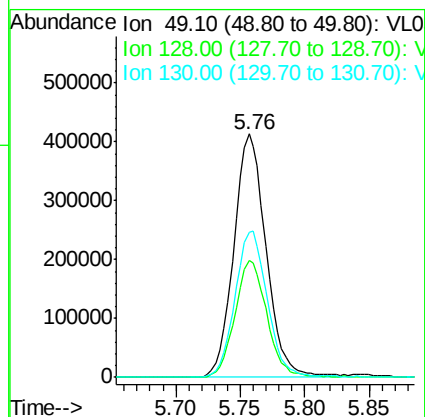
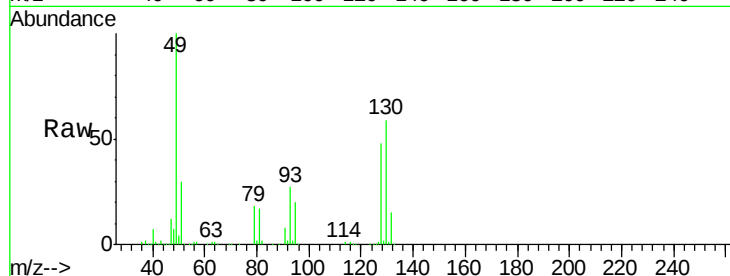
ClientSampleId :

LOD-MDL-AIR-01-QT1-2019

Tot Ion:	49	Resp:	719470
Ion	Ratio	Lower	Upper
49	100		
128	48.2	24.0	72.0
130	60.7	31.2	93.6

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#13

Ethanol

Concen: 0.604 ppbv m

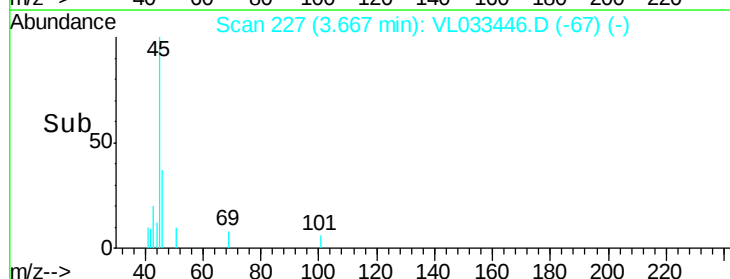
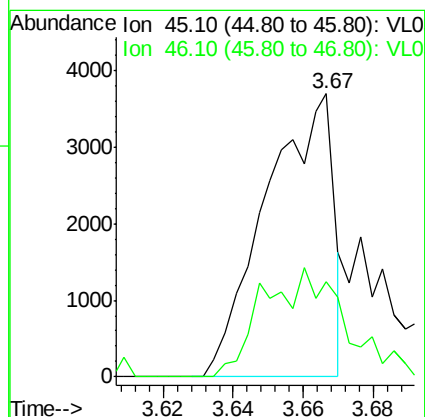
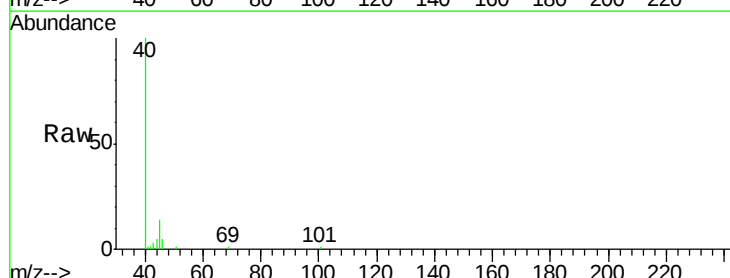
RT: 3.67 min Scan# 227

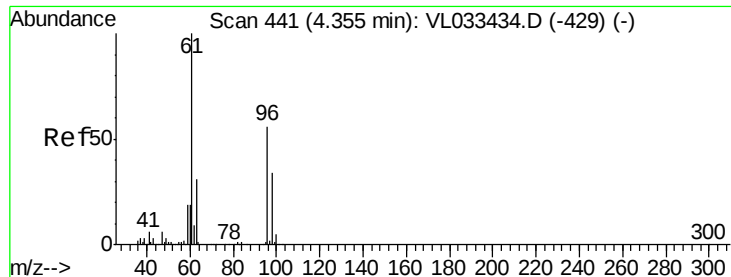
Delta R.T. 0.02 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Tgt Ion:	45	Resp:	4959
Ion	Ratio	Lower	Upper
45	100		
46	46.6	25.4	101.8





#17

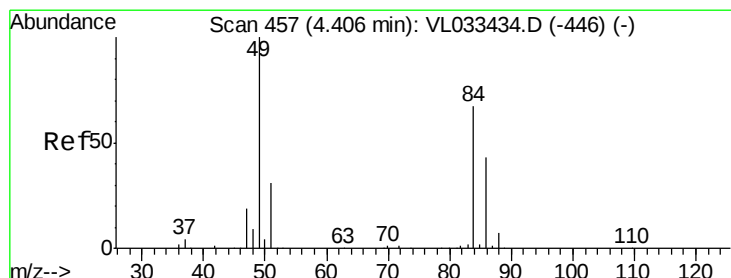
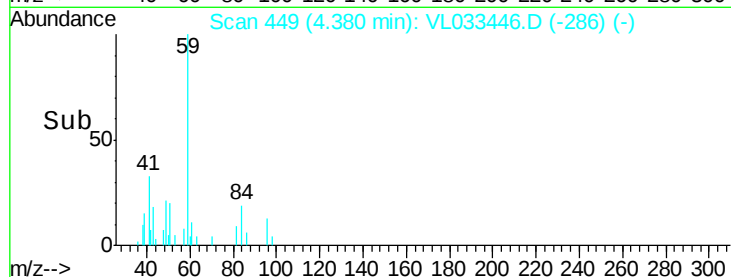
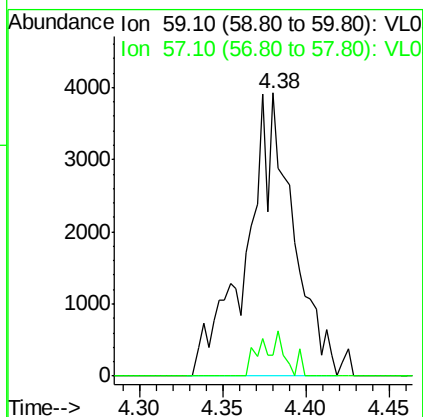
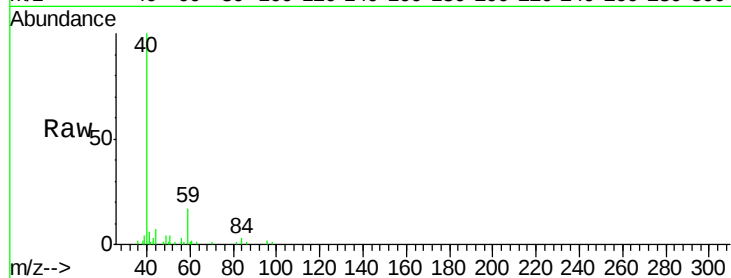
tert-Butyl alcohol
Concen: 0.485 ppbv
RT: 4.38 min Scan# 449
Delta R.T. 0.03 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

Instrument :
MSVOA_L
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LOD-MDL-AIR-01-QT1-2019

Tot Ion: 59 Resp: 7718
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

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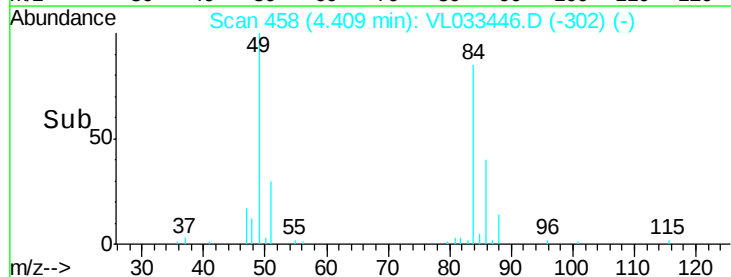
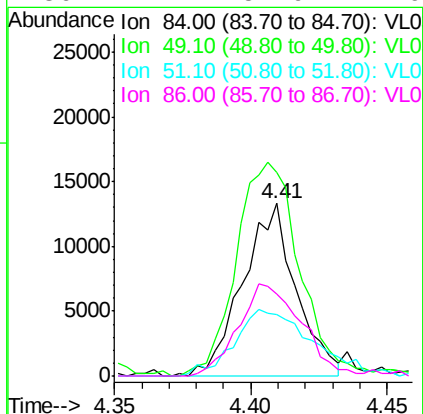
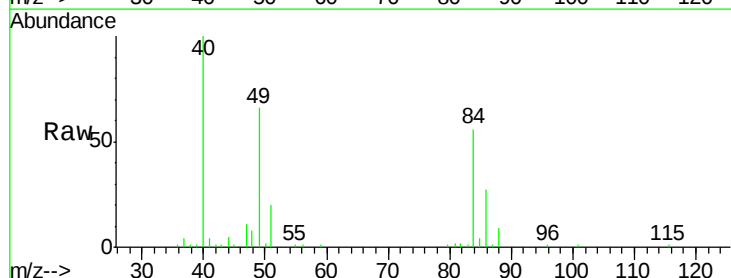
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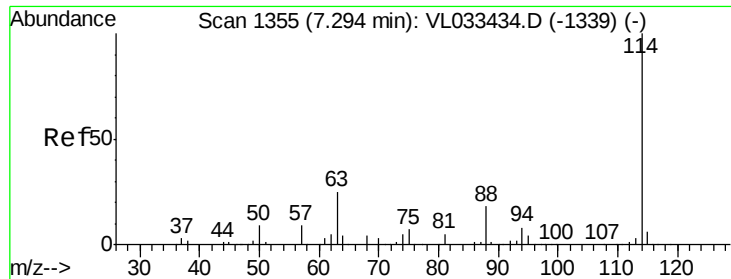


#20

Methylene Chloride
Concen: 0.491 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

Tgt Ion: 84 Resp: 18030
Ion Ratio Lower Upper
84 100
49 115.7 120.0 180.0#
51 34.3 36.7 55.1#
86 47.2 51.9 77.9#





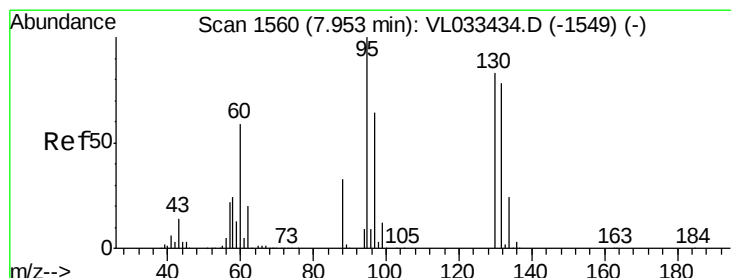
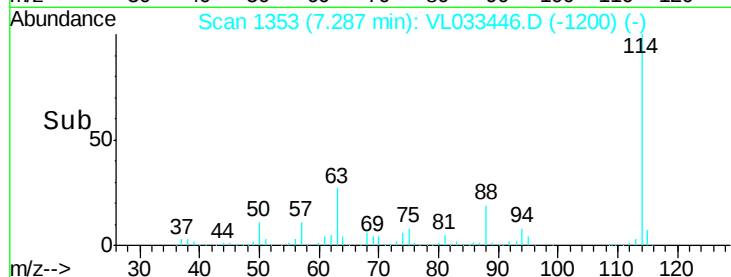
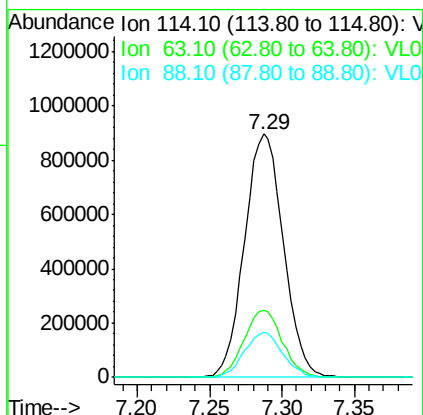
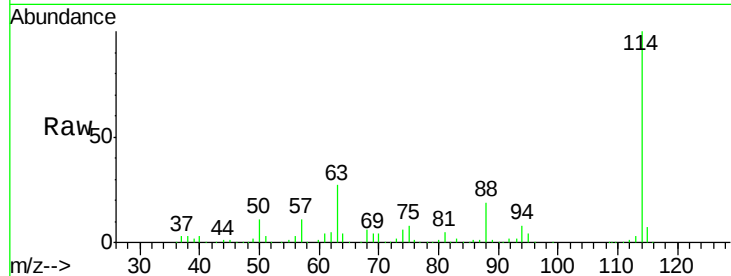
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Instrument :
 MSVOA_L
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Tot Ion	Ratio	Lower	Upper
114	100		
63	27.3	21.5	32.3
88	18.3	14.5	21.7

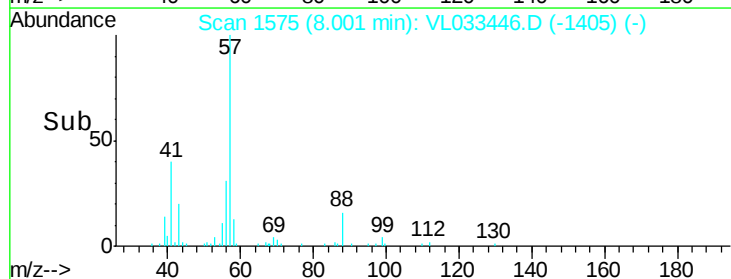
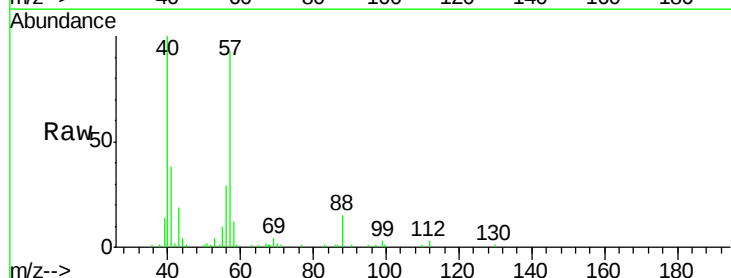
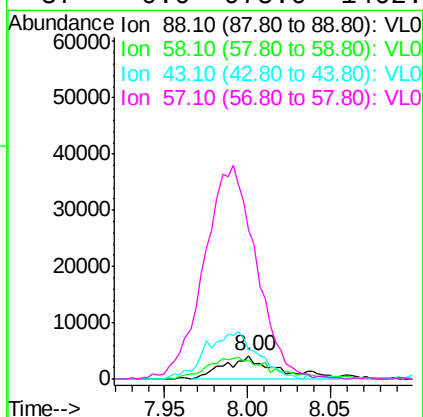
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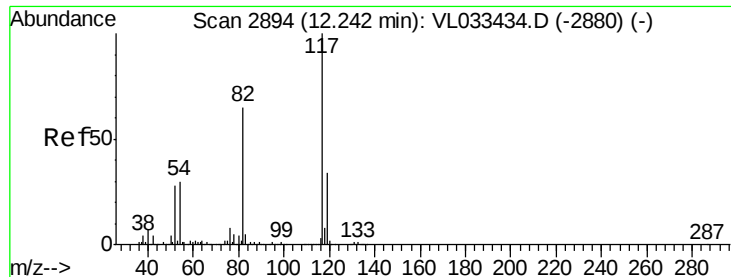
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#40
 1,4-Dioxane
 Concen: 0.462 ppbv m
 RT: 8.00 min Scan# 1575
 Delta R.T. 0.05 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.6	158.4#
43	0.0	216.7	325.1#
57	0.0	975.0	1462.4#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2019

Tot Ion:117 Resp: 1643043

Ion Ratio Lower Upper

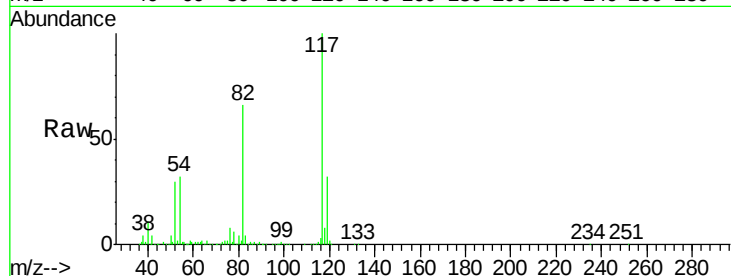
117 100

82 67.2 51.5 77.3

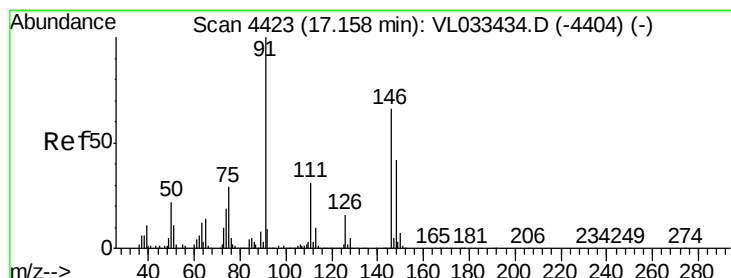
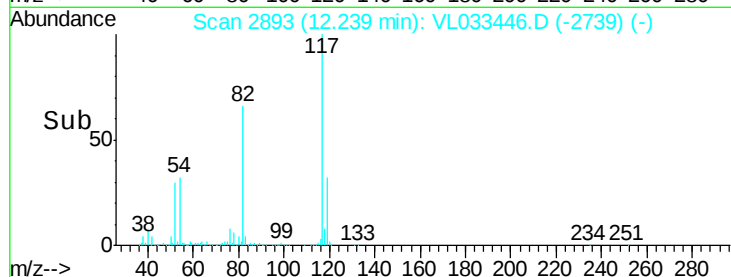
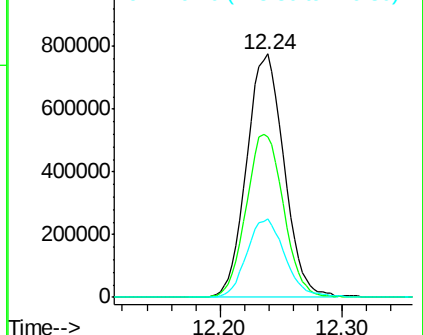
119 33.0 25.5 38.3

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Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#66

Benzyl Chloride

Concen: 0.248 ppbv

RT: 17.16 min Scan# 4423

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

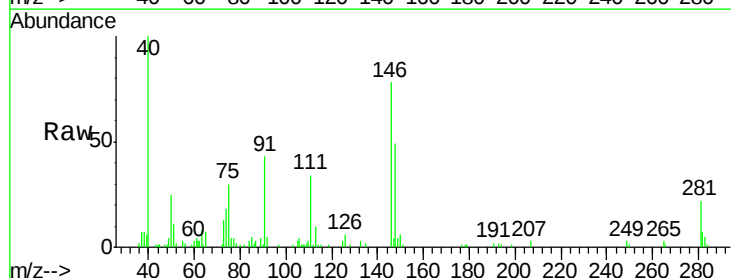
Tgt Ion: 91 Resp: 27222

Ion Ratio Lower Upper

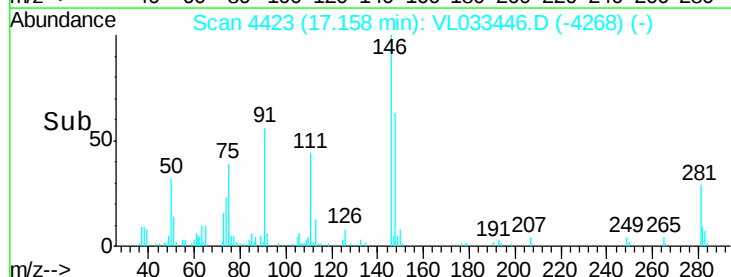
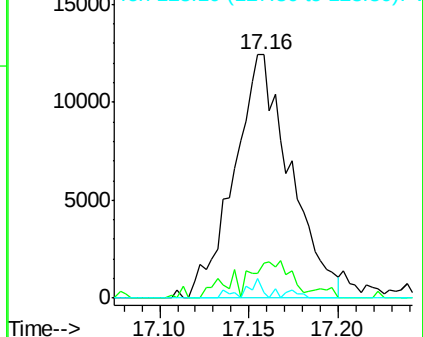
91 100

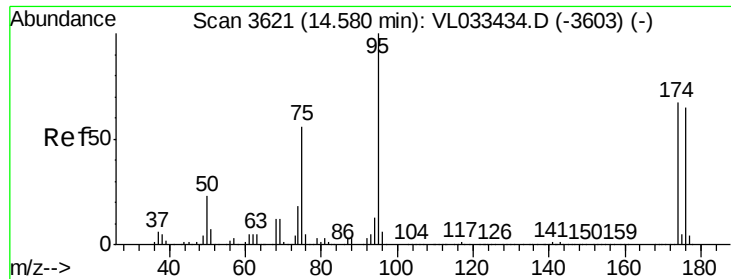
126 15.9 13.0 19.6

128 3.4 4.2 6.2#



Abundance Ion 91.10 (90.80 to 91.80): V
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V





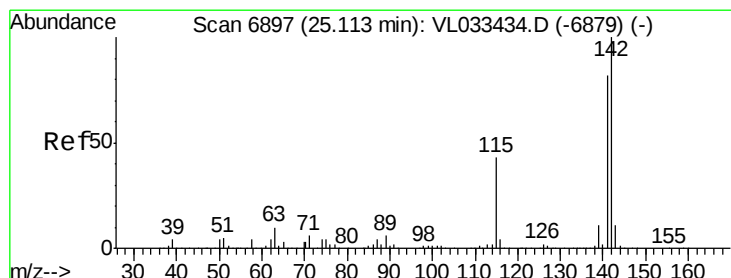
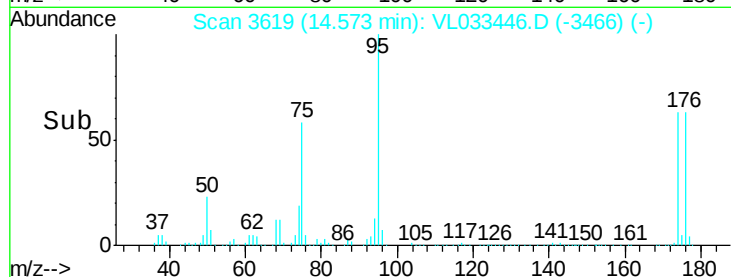
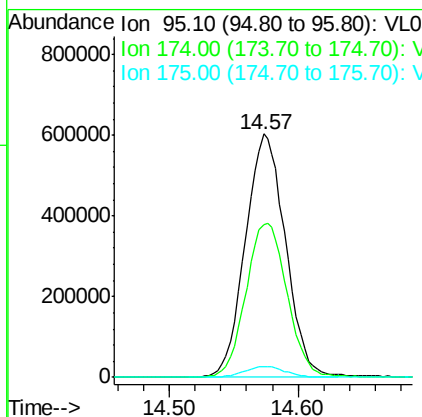
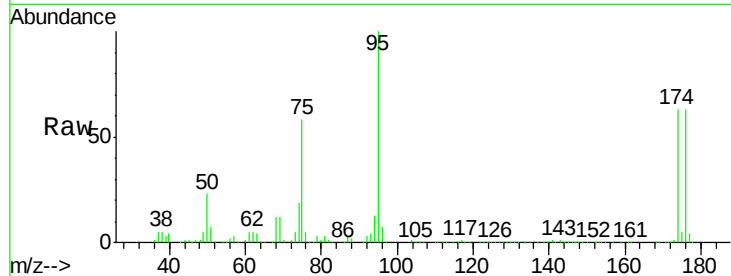
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.152 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.01 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Instrument :
 MSVOA_L
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 LOD-MDL-AIR-01-QT1-2019

Tot Ion: 95 Resp: 1307627
 Ion Ratio Lower Upper
 95 100
 174 65.3 52.9 79.3
 175 4.6 3.8 5.6

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#80
 Naphthalene, 2-methyl-
 Concen: 0.068 ppbv
 RT: 25.13 min Scan# 6901
 Delta R.T. 0.01 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Tgt Ion: 142 Resp: 4275
 Ion Ratio Lower Upper
 142 100
 141 97.0 66.6 99.8
 115 37.5 34.4 51.6

