

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
 Data File : VL033284.D
 Acq On : 12 Mar 2019 15:03
 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
 3/14/2019 5:06:02 AM

Quant Time: Mar 13 08:58:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 14 08:58:36 2019
 QLast Update : Wed Mar 13 07:17:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	830198	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1911116	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1867982	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1510737	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.67	45	10562m	0.690	ppbv	
40) 1,4-Dioxane	8.00	88	9486m	0.380	ppbv	
66) Benzyl Chloride	17.16	91	23672	0.252	ppbv	99
80) Naphthalene,2-methyl-	25.14	142	4157	0.066	ppbv #	64

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

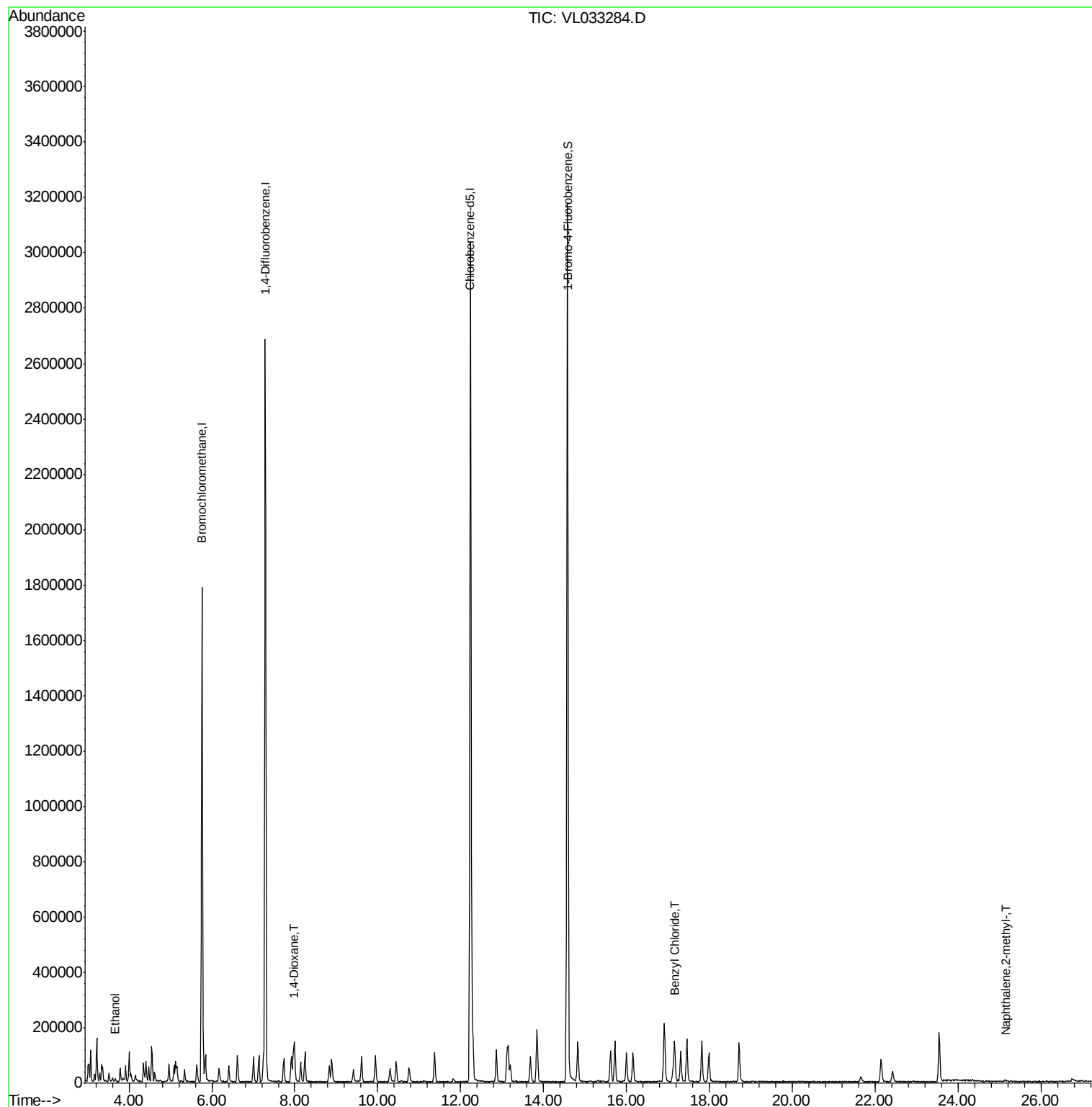
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
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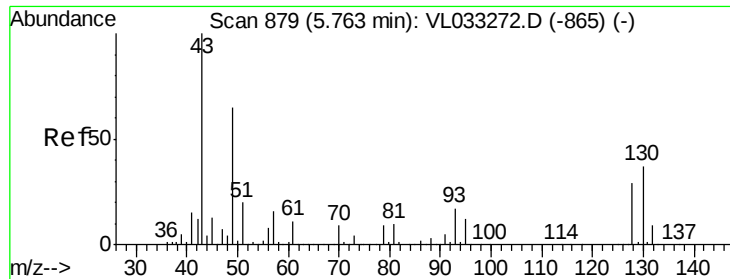
Instrument :
MSVOA_L
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QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration





#1

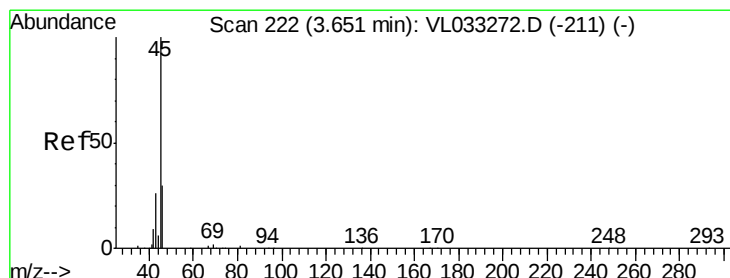
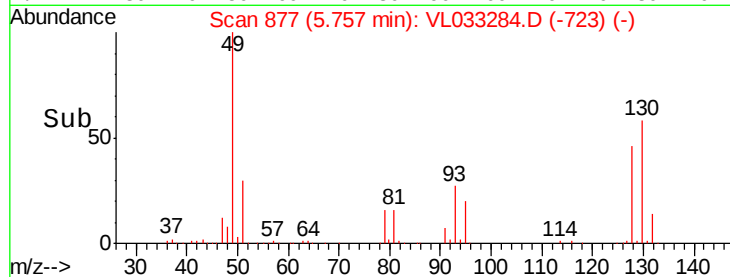
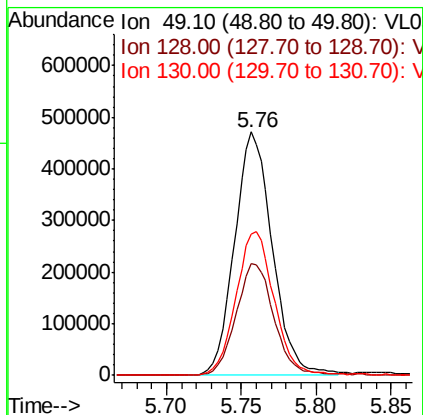
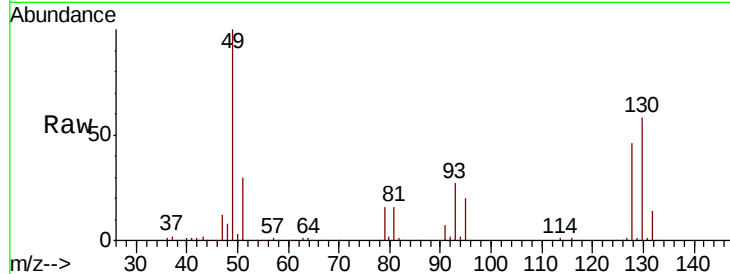
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VL033284.D
 Acq: 12 Mar 2019 15:03

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Tgt Ion	Ratio	Lower	Upper
49	100		
128	46.6	23.3	69.9
130	59.7	30.0	90.1

Manual Integrations
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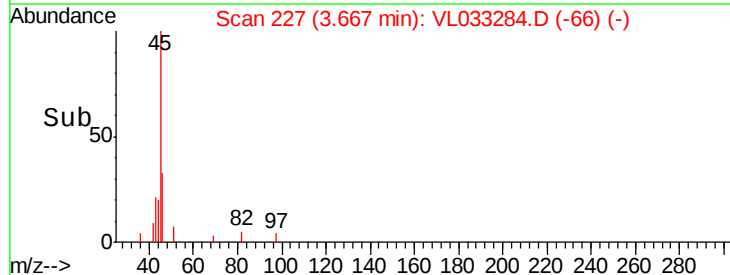
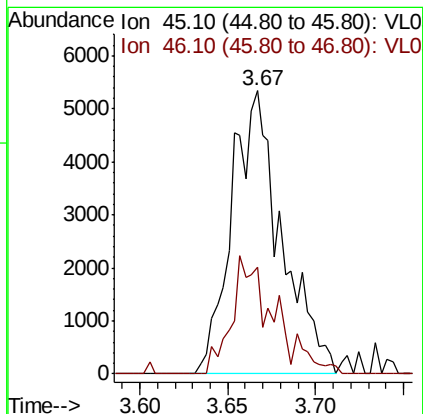
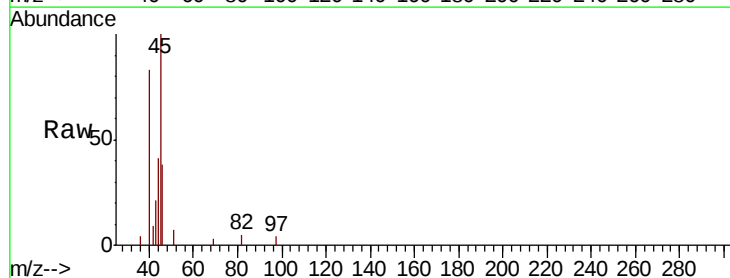
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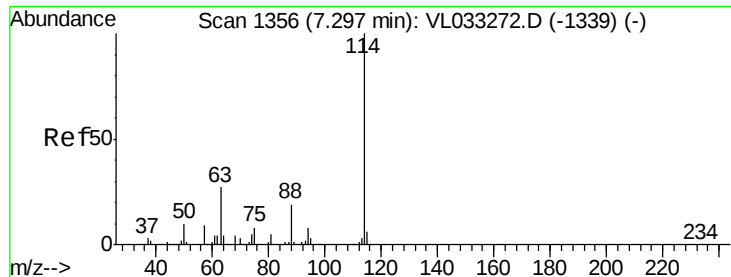


#13

Ethanol
 Concen: 0.690 ppbv m
 RT: 3.67 min Scan# 227
 Delta R.T. 0.02 min
 Lab File: VL033284.D
 Acq: 12 Mar 2019 15:03

Tgt Ion	Ratio	Lower	Upper
45	100		
46	35.3	13.9	55.7





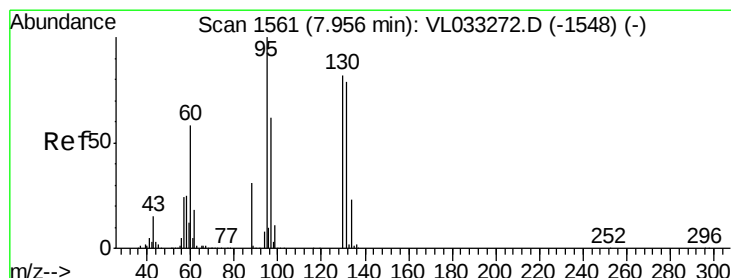
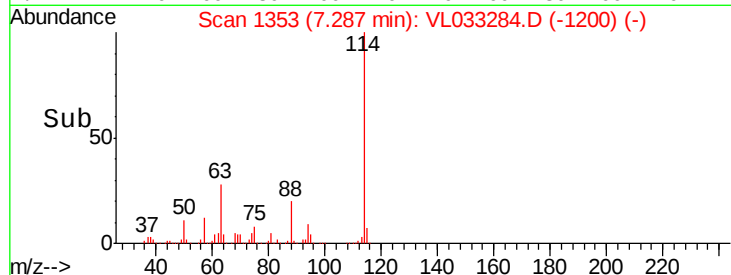
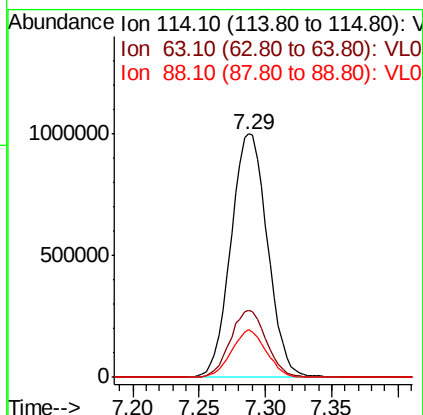
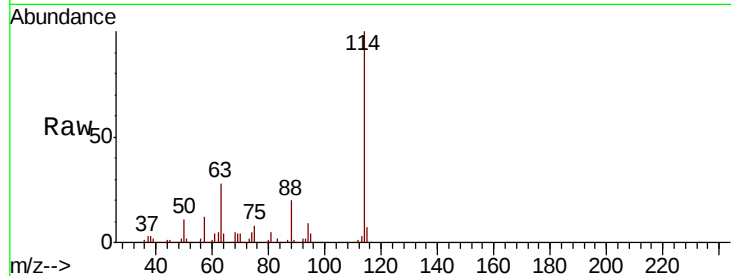
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033284.D
 Acq: 12 Mar 2019 15:03

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.5	32.3
88	18.5	14.6	22.0

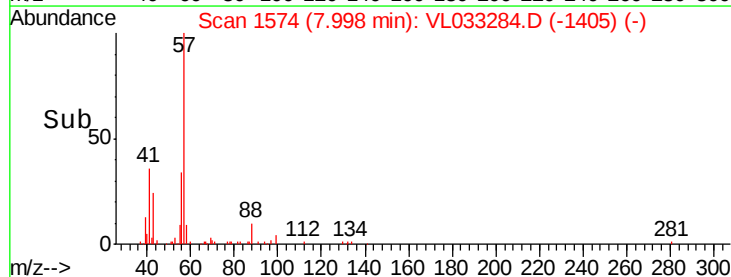
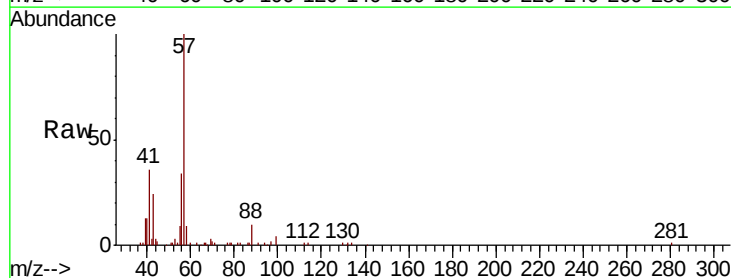
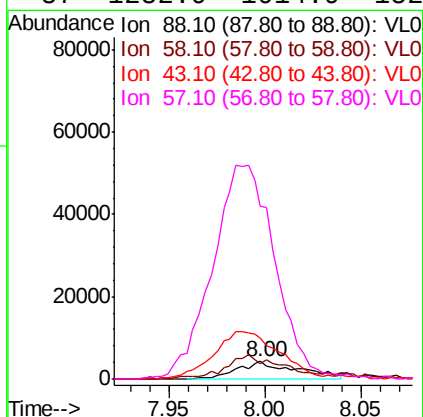
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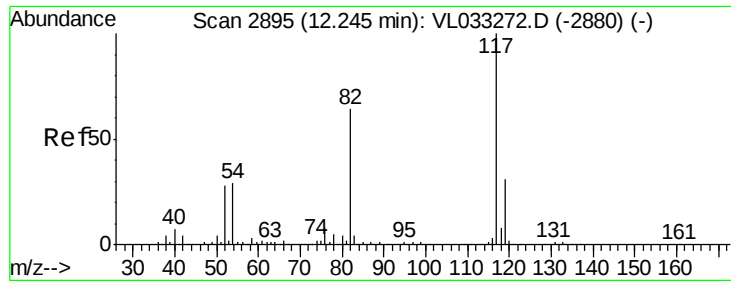
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#40
 1,4-Dioxane
 Concen: 0.380 ppbv m
 RT: 8.00 min Scan# 1574
 Delta R.T. 0.04 min
 Lab File: VL033284.D
 Acq: 12 Mar 2019 15:03

Tgt Ion	Ratio	Lower	Upper
88	100		
58	154.9	107.0	160.6
43	304.1	230.2	345.4
57	1252.9	1014.9	1522.3





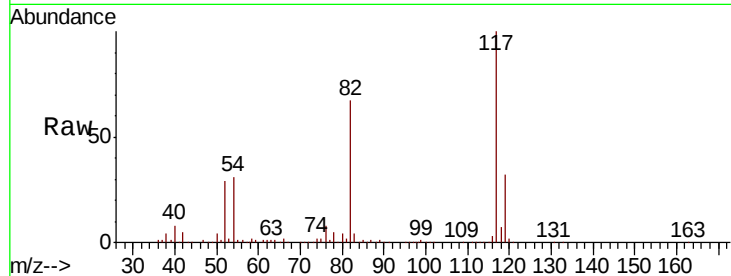
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033284.D
Acq: 12 Mar 2019 15:03

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

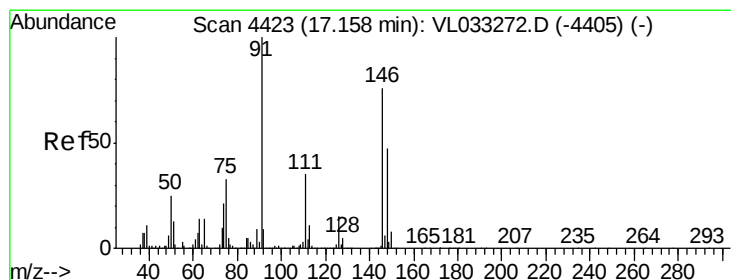
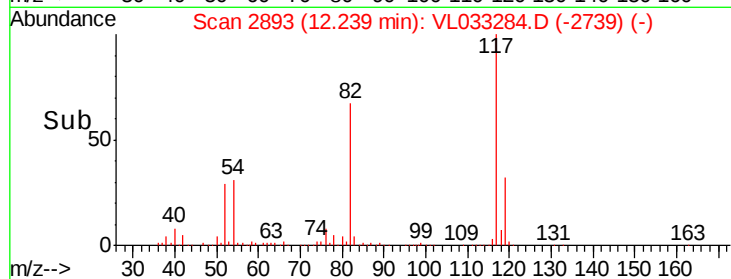
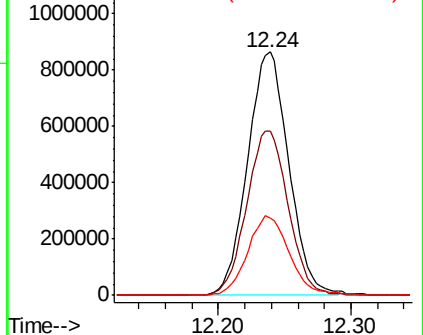
Tgt Ion: 117 Resp: 1867982
Ion Ratio Lower Upper
117 100
82 68.4 51.1 76.7
119 33.3 43.6 65.4#

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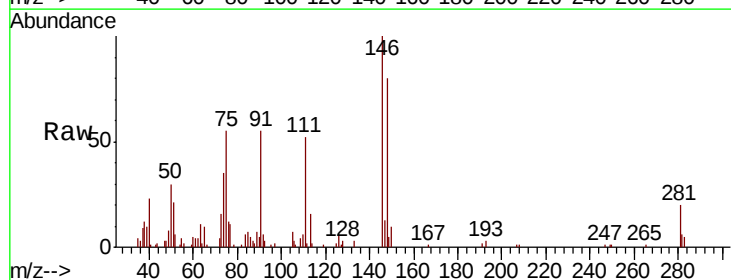


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

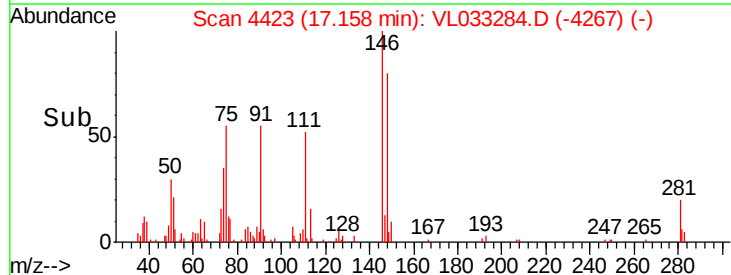
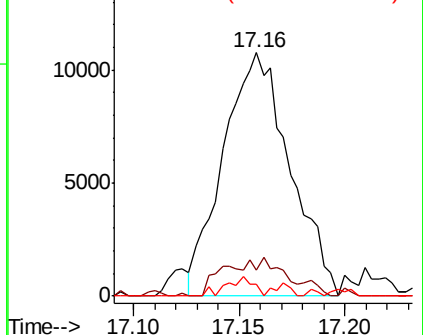


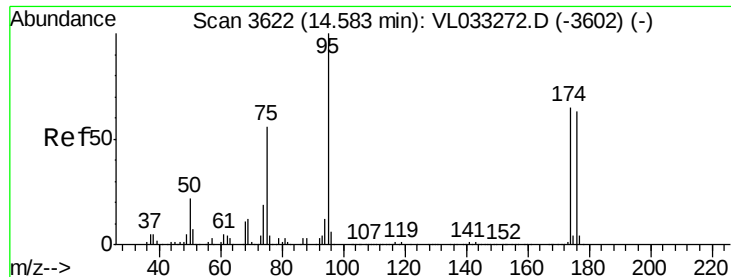
#66
Benzyl Chloride
Concen: 0.252 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. 0.00 min
Lab File: VL033284.D
Acq: 12 Mar 2019 15:03

Tgt Ion: 91 Resp: 23672
Ion Ratio Lower Upper
91 100
126 15.8 13.0 19.6
128 4.8 4.3 6.5



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





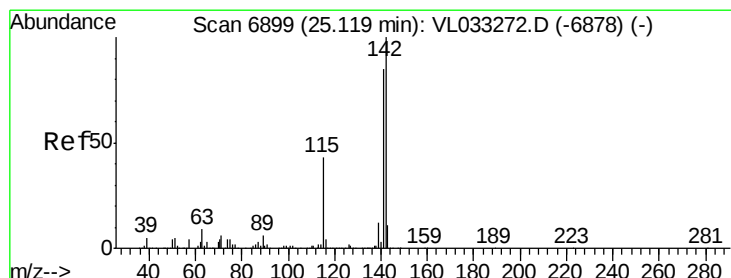
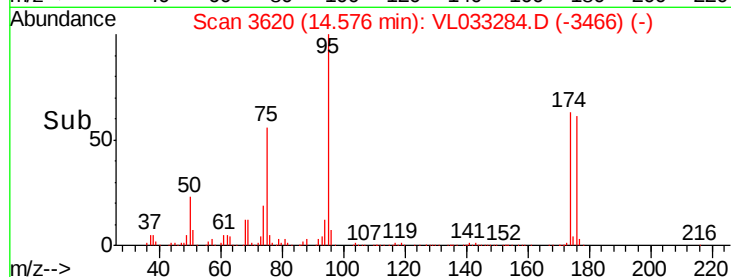
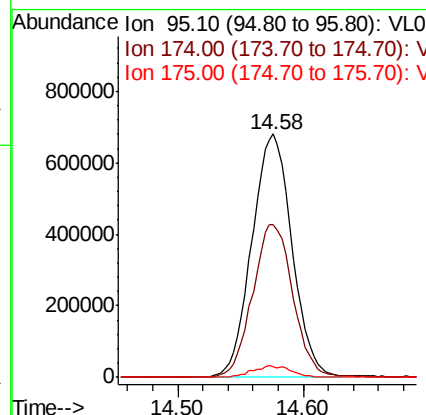
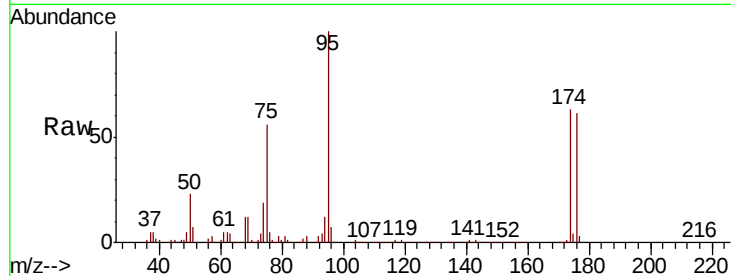
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.473 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033284.D
 Acq: 12 Mar 2019 15:03

Instrument :
 MSVOA_L
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Tgt Ion: 95 Resp: 1510737
 Ion Ratio Lower Upper
 95 100
 174 63.7 51.7 77.5
 175 4.6 3.7 5.5

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#80
 Naphthalene, 2-methyl-
 Concen: 0.066 ppbv
 RT: 25.14 min Scan# 6905
 Delta R.T. 0.02 min
 Lab File: VL033284.D
 Acq: 12 Mar 2019 15:03

Tgt Ion: 142 Resp: 4157
 Ion Ratio Lower Upper
 142 100
 141 46.4 68.0 102.0#
 115 27.1 33.8 50.6#

