

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035074.D
 Acq On : 20 May 2020 10:28
 Operator : SY/AP
 Sample : L2712-03DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Manual Integrations
 APPROVED

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Quant Time: May 20 14:13:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1196232	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2719640	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2557313	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2148005	10.38	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.97	41	11964	0.202	ppbv	88
15) Acetone	3.80	43	1834719	11.601	ppbv	95
17) tert-Butyl alcohol	4.27	59	80671	0.573	ppbv	95
34) 2-Butanone	5.22	43	161756	0.957	ppbv	99
53) Toluene	9.80	91	27250m	0.115	ppbv	

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

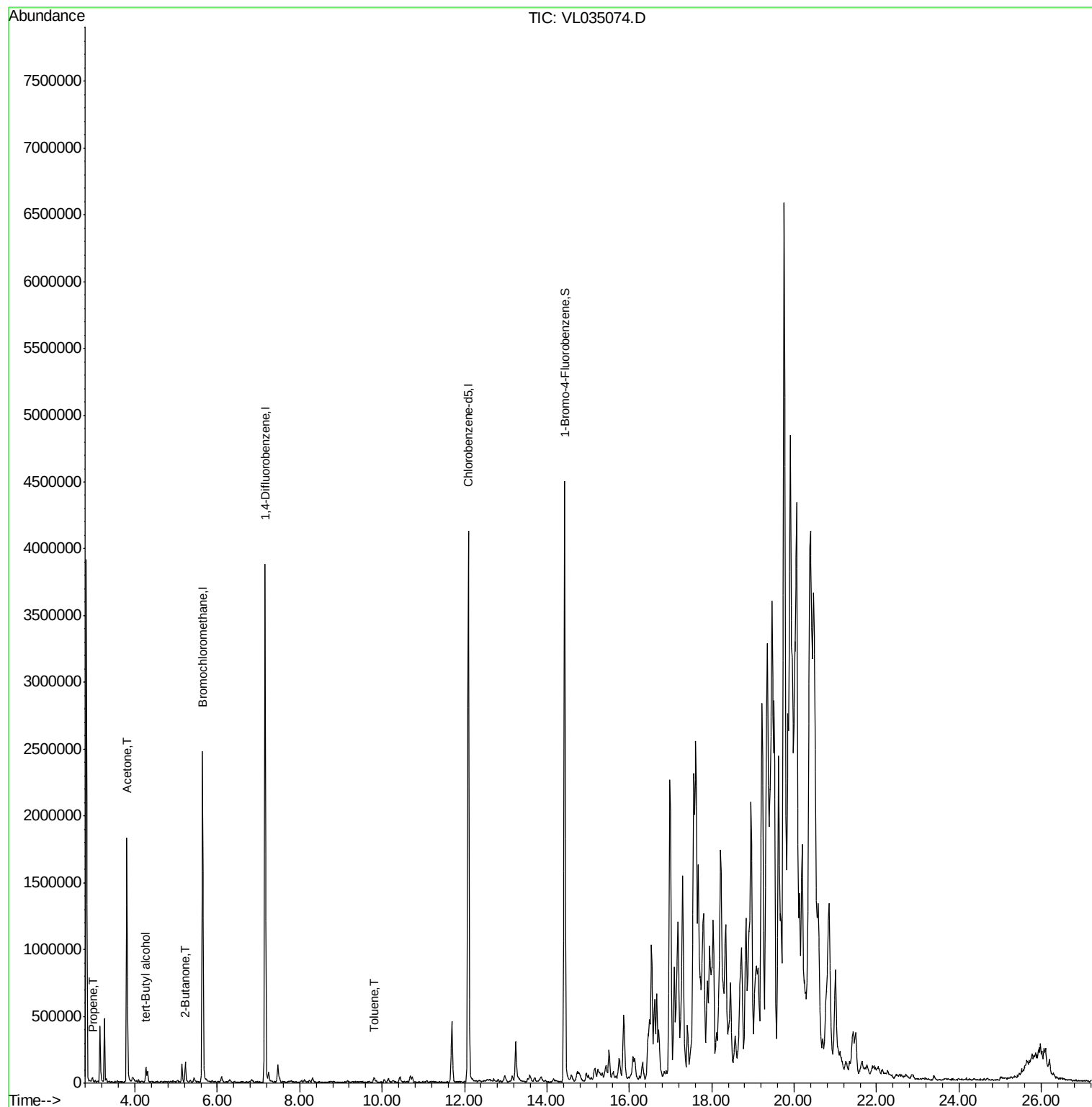
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051920\
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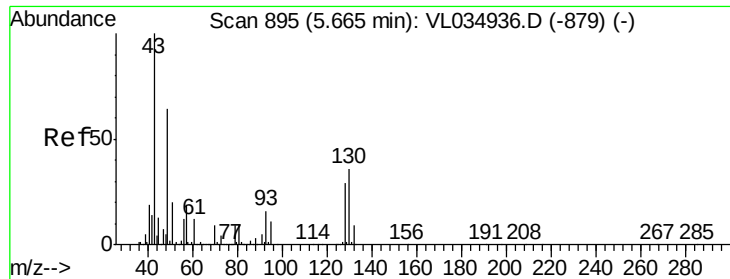
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

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Quant Time: May 20 14:13:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL035074.D

Acq: 20 May 2020 10:28

Instrument :

MSVOA_L

ClientSampled :

SV3DL

Tot Ion: 49 Resp: 1196232

Ion Ratio Lower Upper

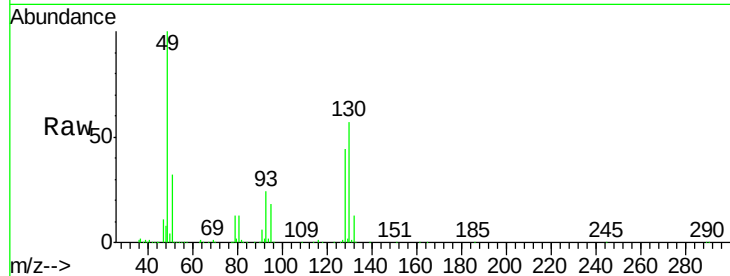
49 100

128 44.0 22.1 66.5

130 57.4 29.1 87.3

Manual Integrations
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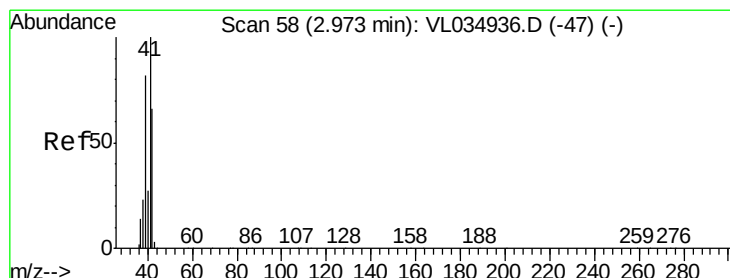
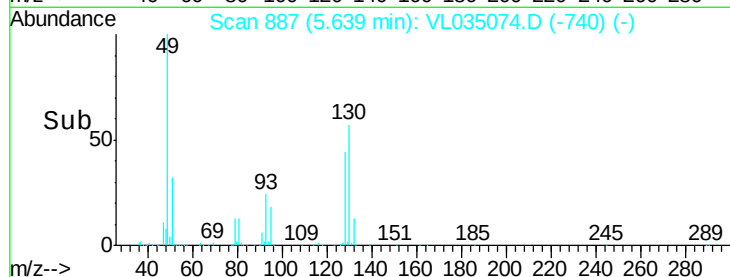
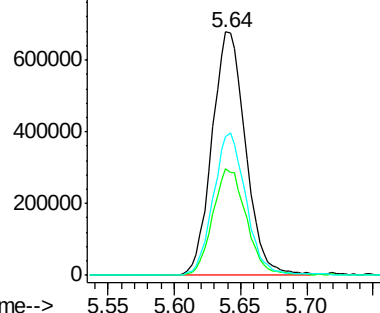
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.202 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL035074.D

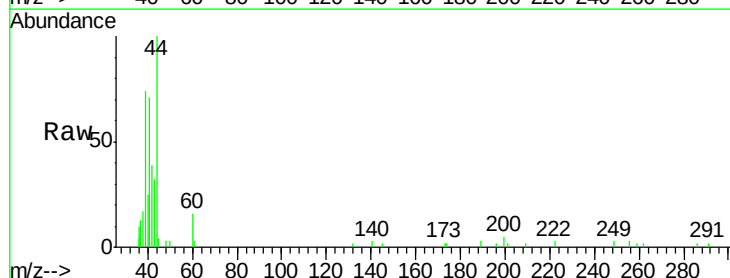
Acq: 20 May 2020 10:28

Tgt Ion: 41 Resp: 11964

Ion Ratio Lower Upper

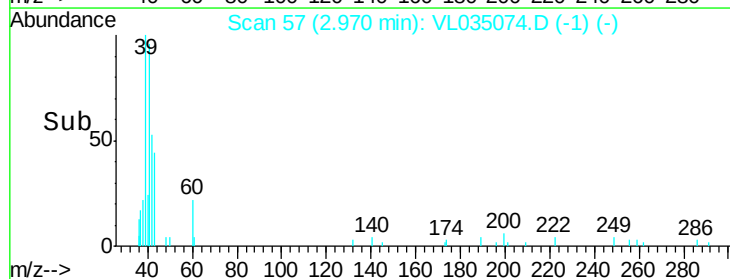
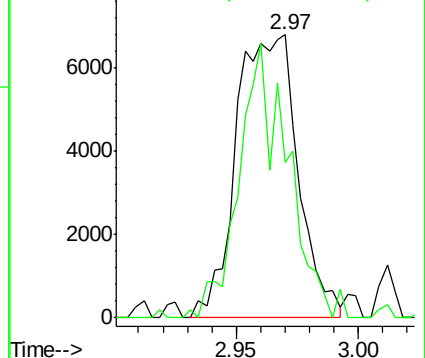
41 100

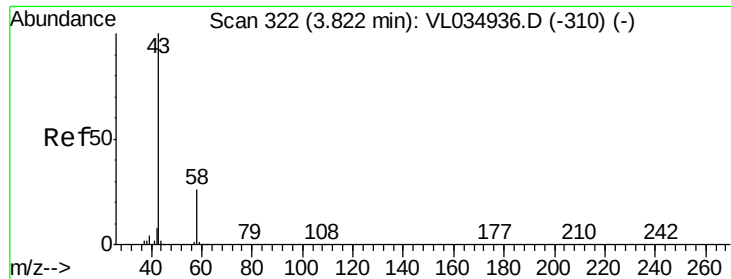
42 77.6 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 11.601 ppbv

RT: 3.80 min Scan# 316

Delta R.T. -0.02 min

Lab File: VL035074.D

Acq: 20 May 2020 10:28

Instrument :

MSVOA_L

ClientSampled :

SV3DL

Tot Ion: 43 Resp: 1834719

Ion Ratio Lower Upper

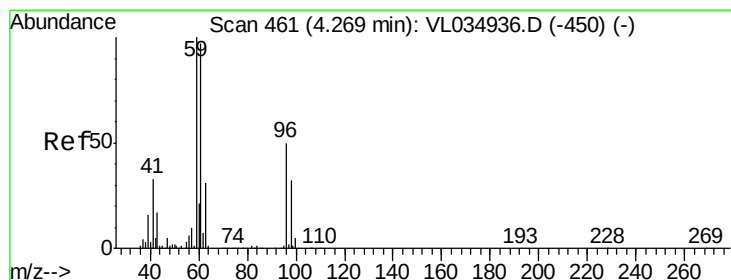
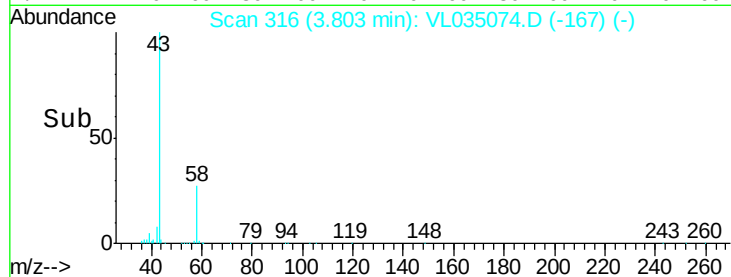
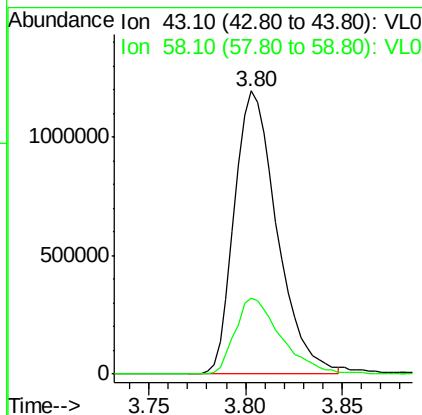
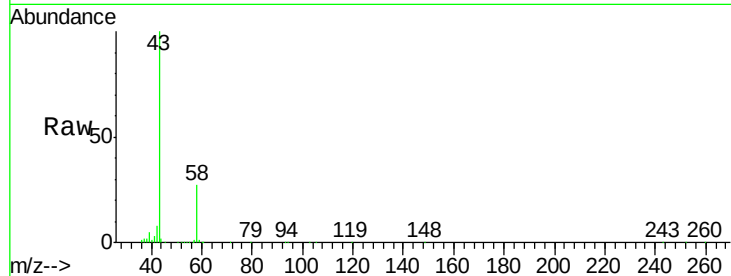
43 100

58 29.6 21.7 32.5

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#17

tert-Butyl alcohol

Concen: 0.573 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.00 min

Lab File: VL035074.D

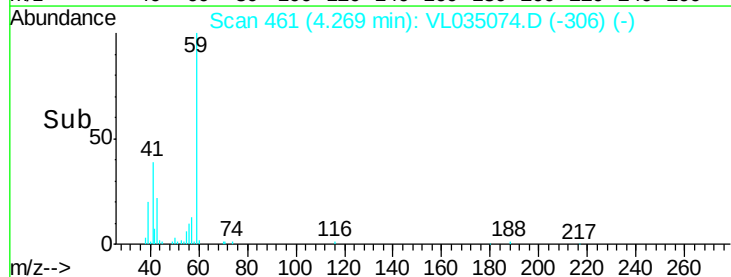
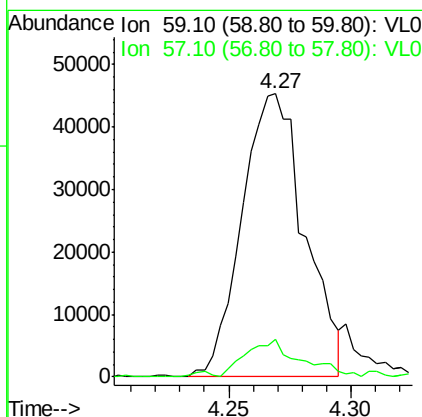
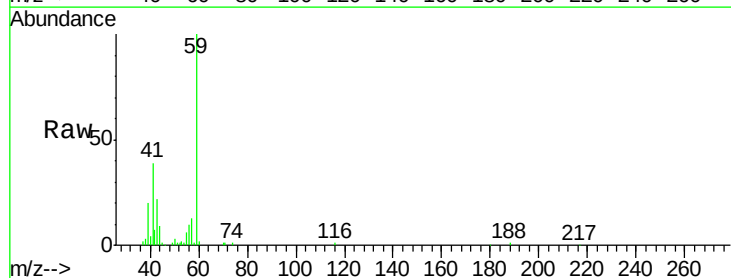
Acq: 20 May 2020 10:28

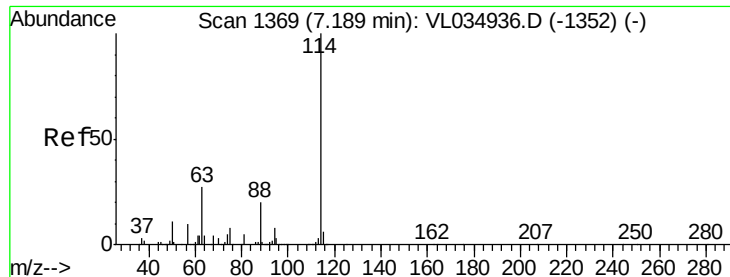
Tgt Ion: 59 Resp: 80671

Ion Ratio Lower Upper

59 100

57 12.7 8.7 13.1





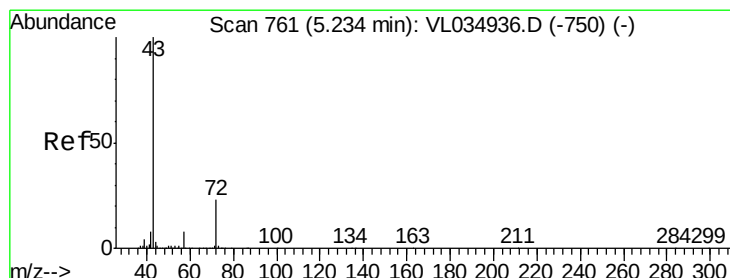
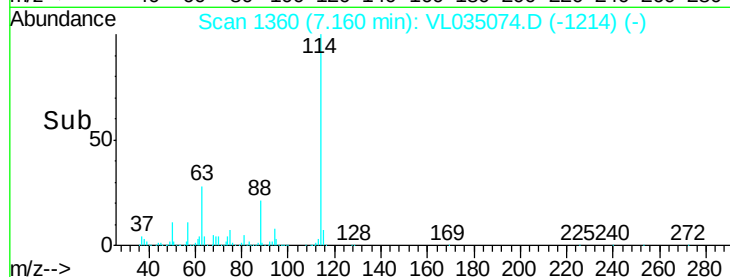
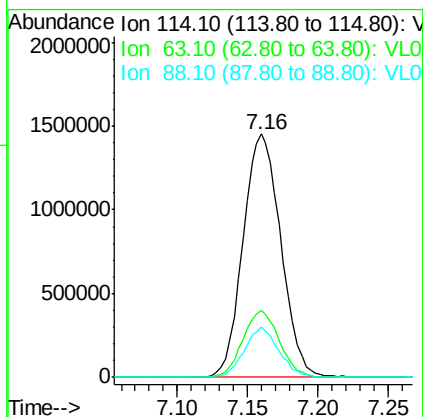
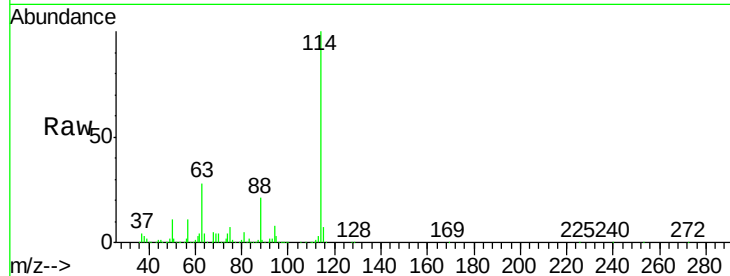
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.03 min
 Lab File: VL035074.D
 Acq: 20 May 2020 10:28

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.8	22.2	33.4
88	19.1	15.5	23.3

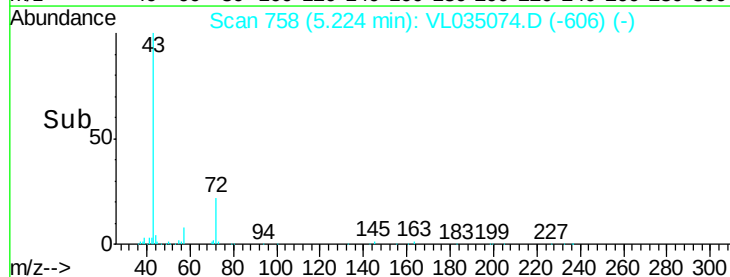
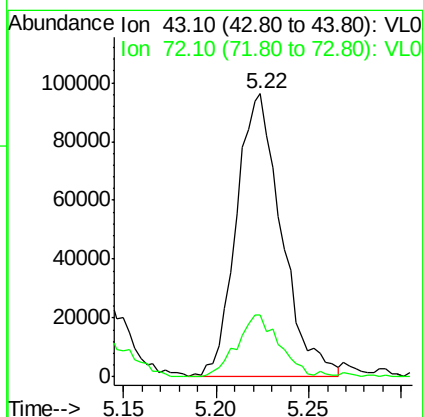
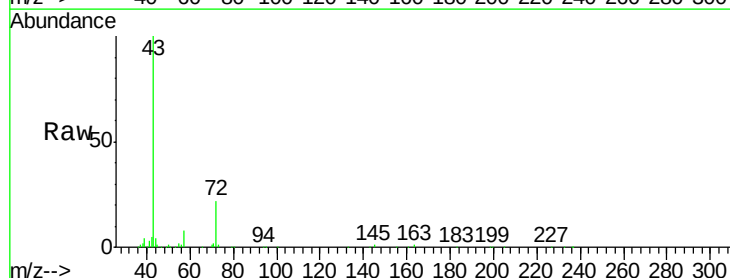
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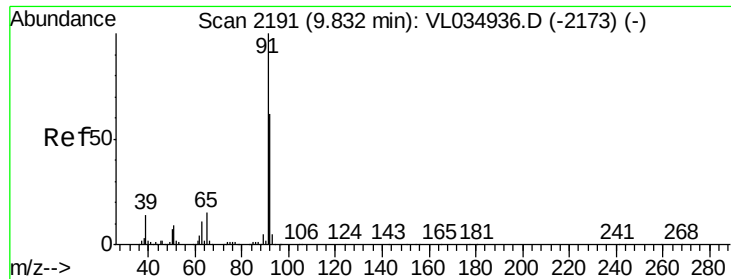
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#34
 2-Butanone
 Concen: 0.957 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL035074.D
 Acq: 20 May 2020 10:28

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.0	27.0





#53

Toluene

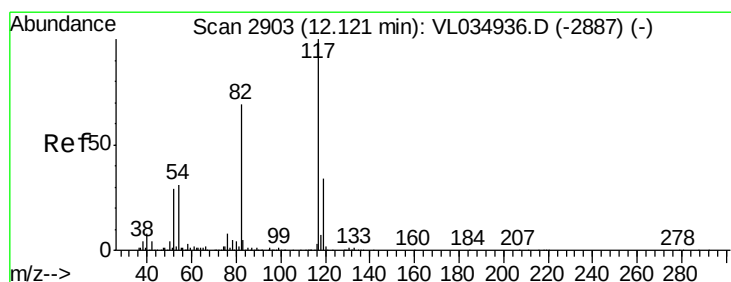
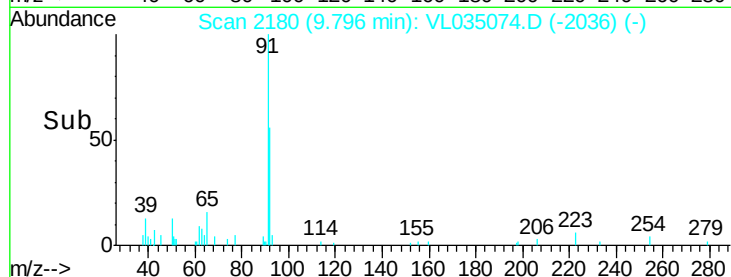
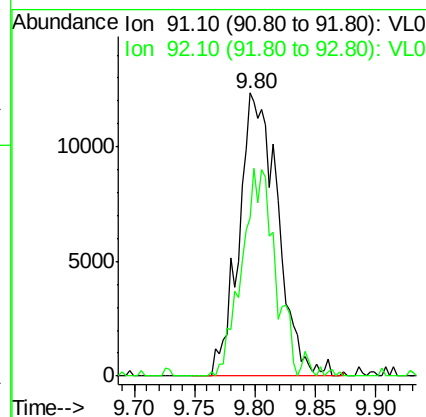
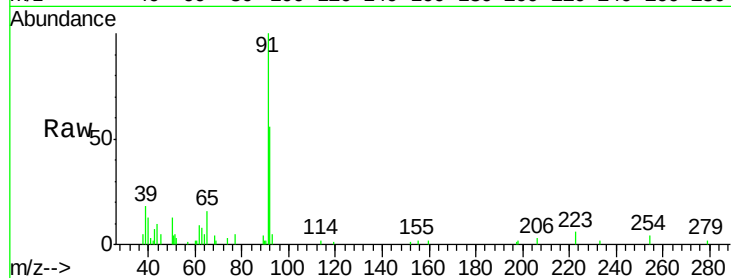
Concen: 0.115 ppbv m
RT: 9.80 min Scan# 2180
Delta R.T. -0.04 min
Lab File: VL035074.D
Acq: 20 May 2020 10:28

Instrument :
MSVOA_L
ClientSampled :
SV3DL

Tot Ion: 91 Resp: 27250
Ion Ratio Lower Upper
91 100
92 65.6 48.6 73.0

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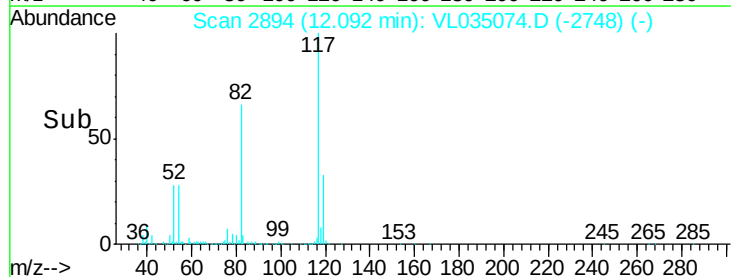
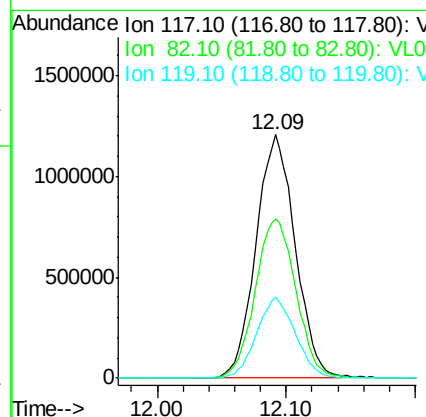
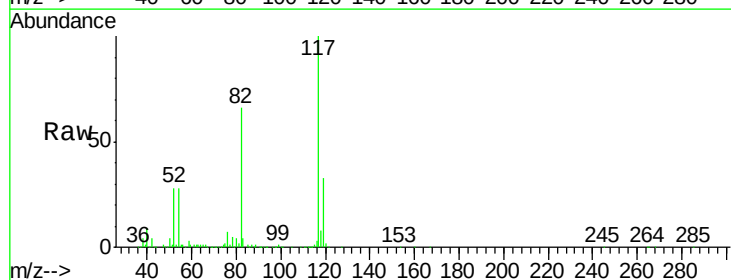


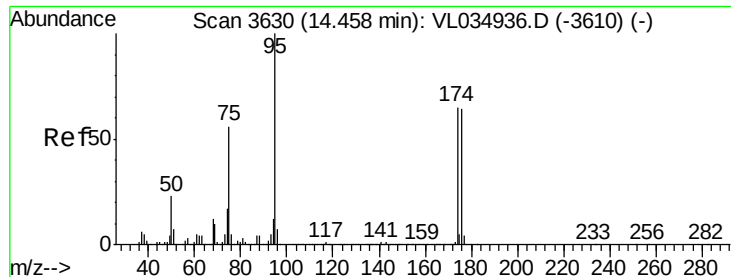
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.03 min
Lab File: VL035074.D
Acq: 20 May 2020 10:28

Tgt Ion: 117 Resp: 2557313
Ion Ratio Lower Upper
117 100
82 68.3 53.1 79.7
119 32.8 26.7 40.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.377 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.03 min
 Lab File: VL035074.D
 Acq: 20 May 2020 10:28

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Tot Ion: 95 Resp: 2148005
 Ion Ratio Lower Upper
 95 100
 174 66.8 51.5 77.3
 175 5.0 3.8 5.8

Manual Integrations
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