

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035360.D
 Acq On : 6 Aug 2020 21:48
 Operator : SY/AP
 Sample : L3554-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 3-ABOVE-GROUND DL

Manual Integrations
 APPROVED

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 8/7/2020 12:54:04 PM

Quant Time: Aug 09 21:15:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 0
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1343362	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3310390	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	3156146	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2606966	9.91	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.97	41	269223m	4.927	ppbv	
13) Ethanol	3.56	45	146091	7.752	ppbv	86
15) Acetone	3.82	43	264718	1.388	ppbv	94
53) Toluene	9.82	91	28437	0.117	ppbv	94

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

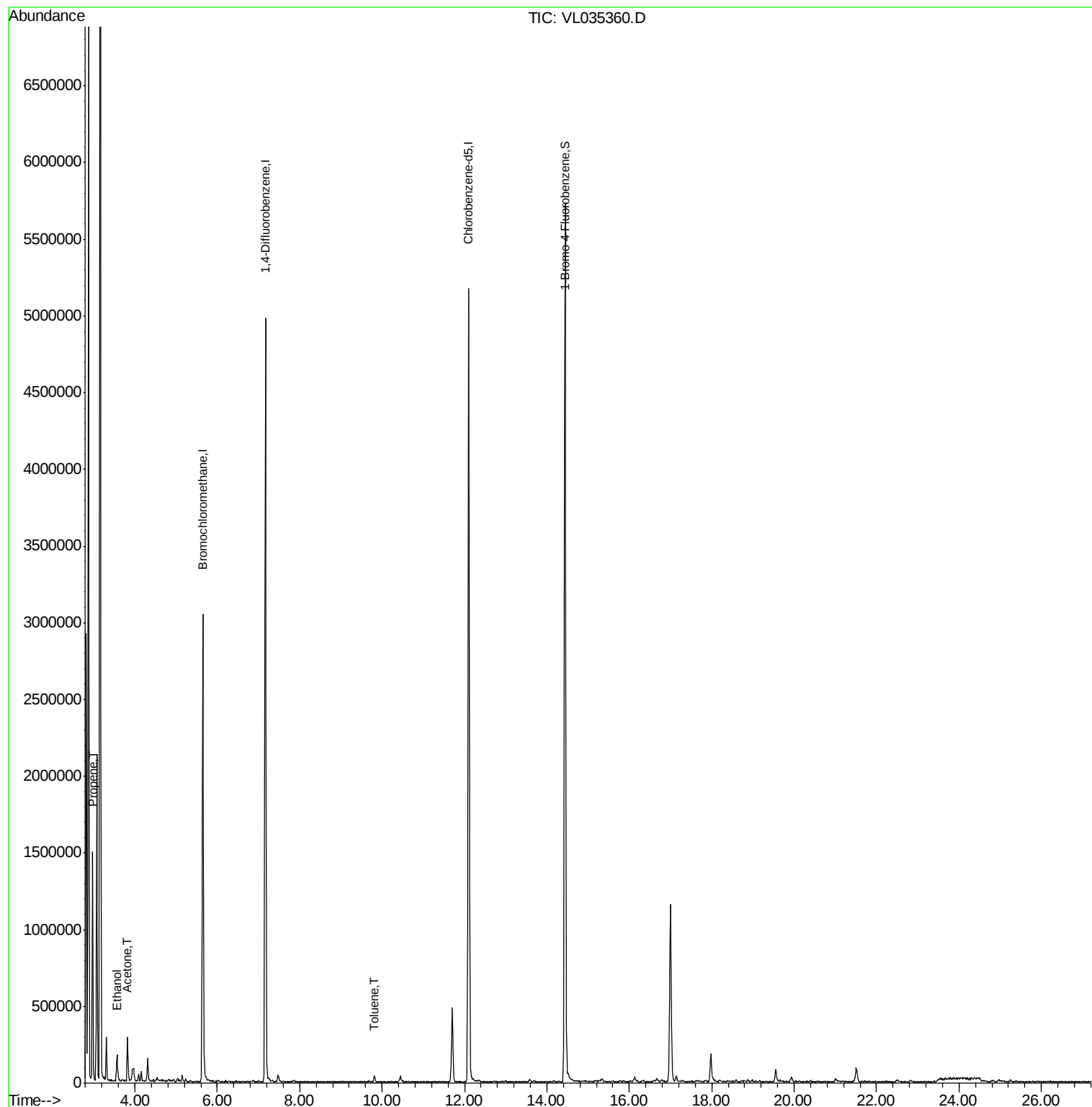
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080620\
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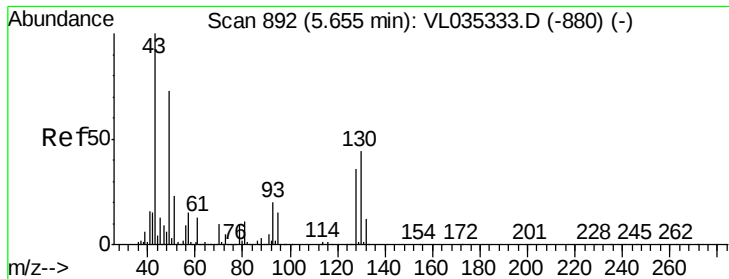
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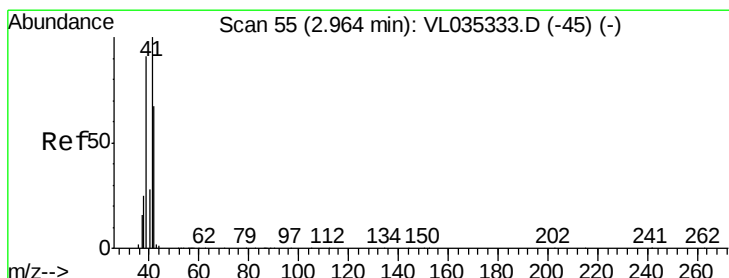
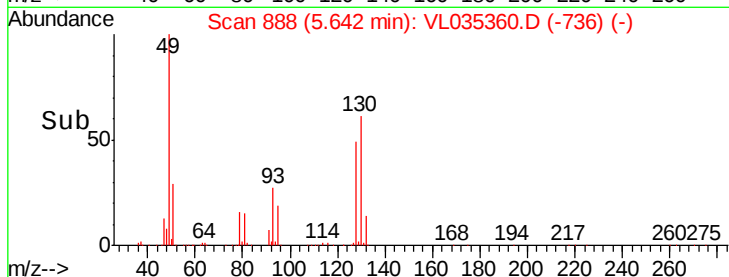
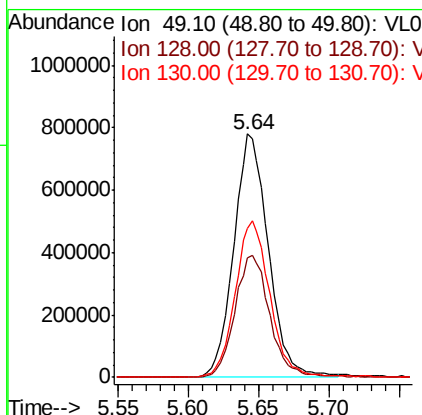
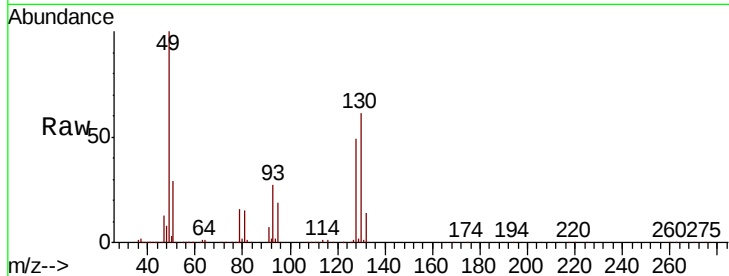
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: VL035360.D
 Acq: 6 Aug 2020 21:48

Instrument :
 MSVOA_L
 ClientSampleId :
 3-ABOVE-GROUND DL

Tot Ion: 49 Resp: 1343362
 Ion Ratio Lower Upper
 49 100
 128 50.8 25.4 76.0
 130 64.7 32.1 96.3

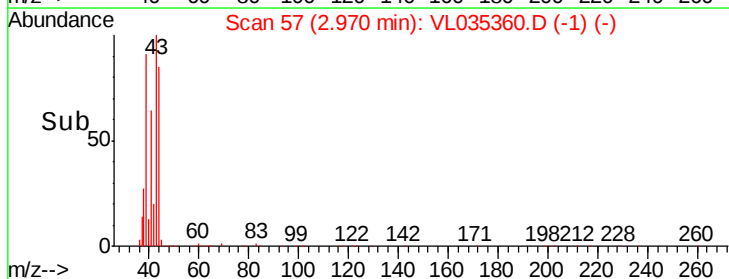
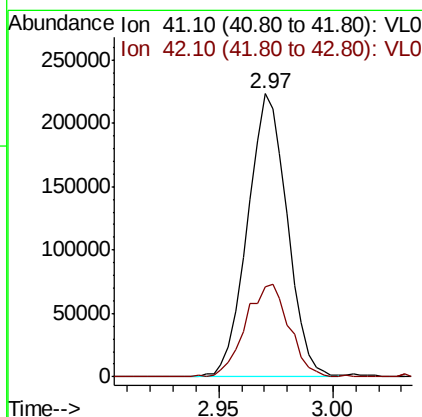
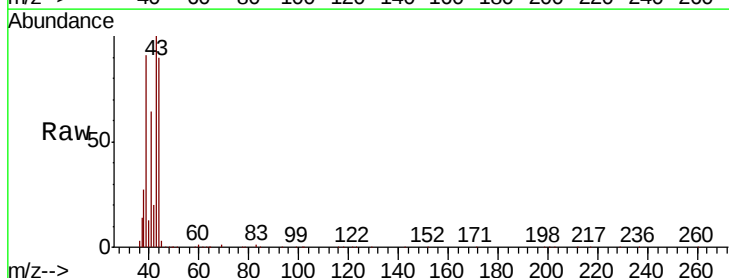
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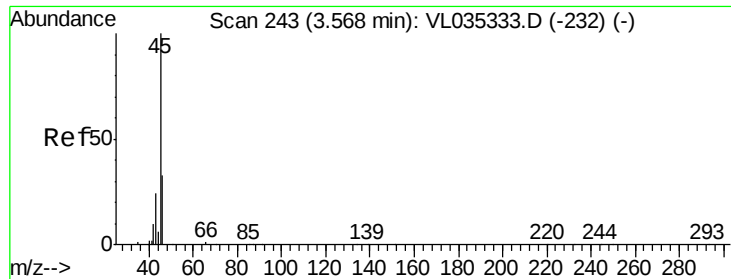
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#9
 Propene
 Concen: 4.927 ppbv m
 RT: 2.97 min Scan# 57
 Delta R.T. 0.01 min
 Lab File: VL035360.D
 Acq: 6 Aug 2020 21:48

Tgt Ion: 41 Resp: 269223
 Ion Ratio Lower Upper
 41 100
 42 1184.0 55.3 82.9#





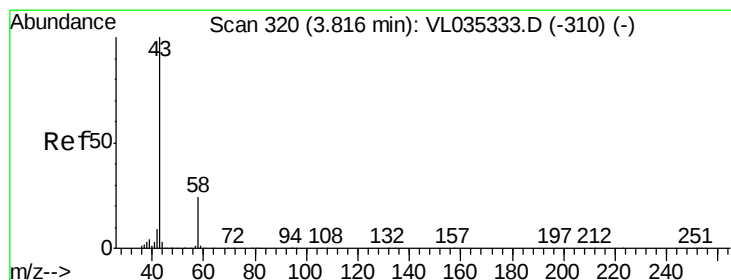
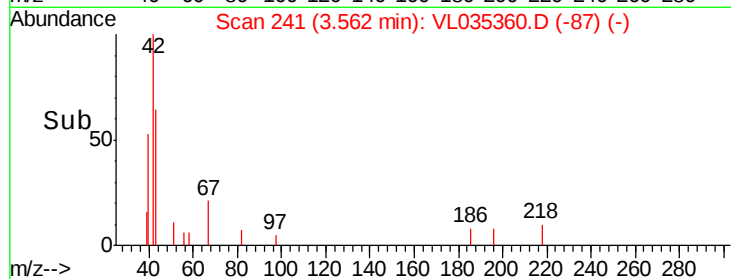
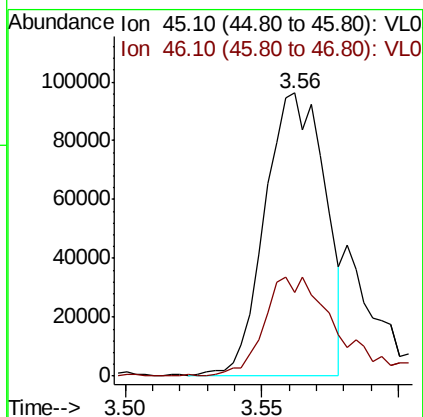
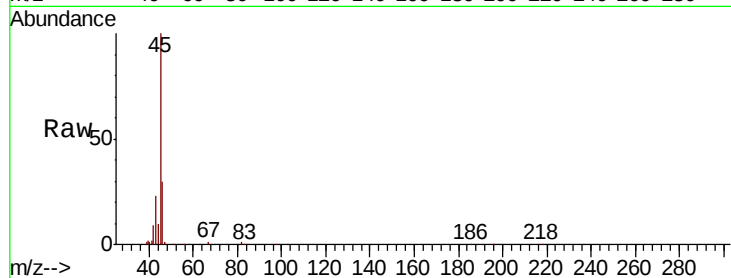
#13
Ethanol
Concen: 7.752 ppbv
RT: 3.56 min Scan# 241
Delta R.T. -0.01 min
Lab File: VL035360.D
Acq: 6 Aug 2020 21:48

Instrument :
MSVOA_L
ClientSampleId :
3-ABOVE-GROUND DL

Tot Ion: 45 Resp: 146091
Ion Ratio Lower Upper
45 100
46 46.5 15.2 61.0

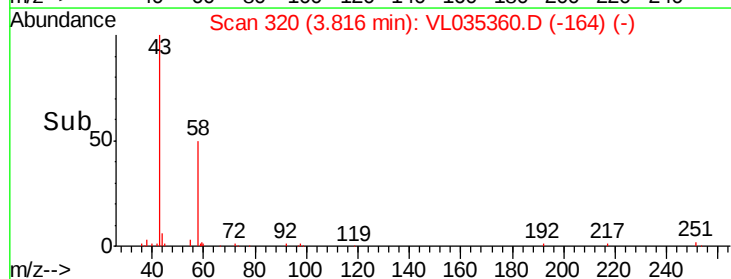
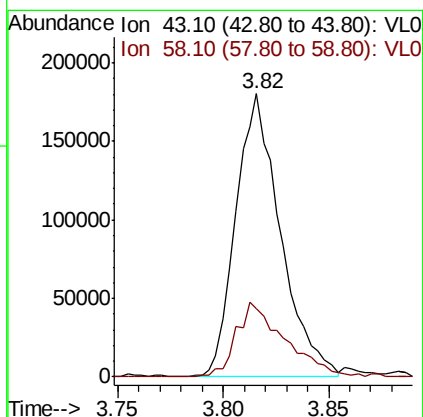
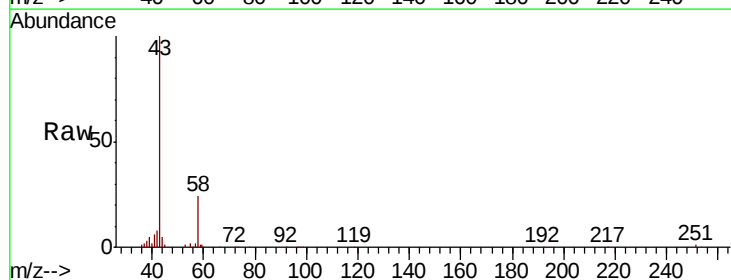
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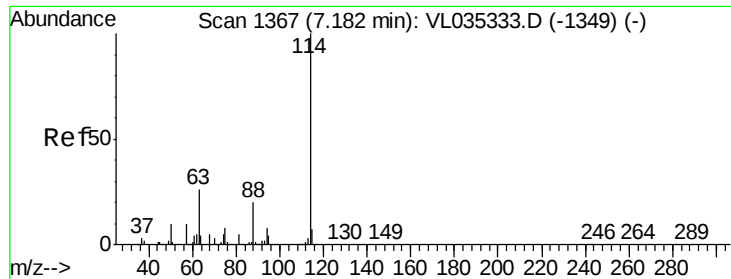
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#15
Acetone
Concen: 1.388 ppbv
RT: 3.82 min Scan# 320
Delta R.T. 0.00 min
Lab File: VL035360.D
Acq: 6 Aug 2020 21:48

Tgt Ion: 43 Resp: 264718
Ion Ratio Lower Upper
43 100
58 29.2 21.0 31.4





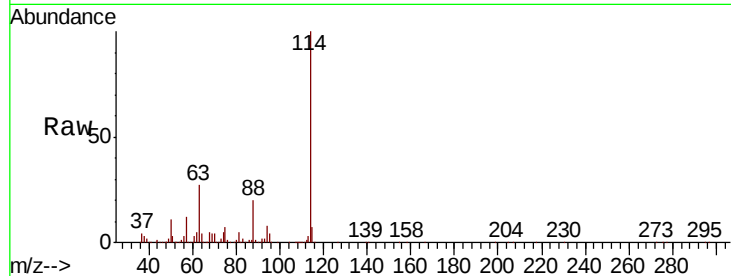
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: VL035360.D
 Acq: 6 Aug 2020 21:48

Instrument :
 MSVOA_L
 ClientSampleId :
 3-ABOVE-GROUND

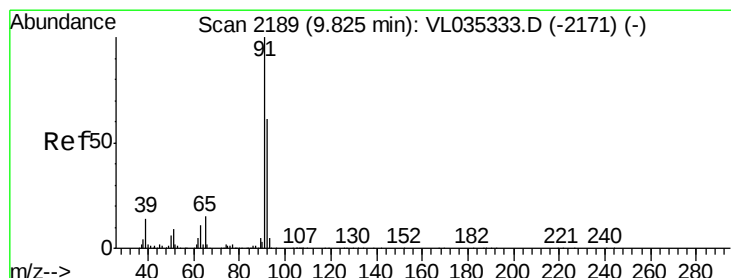
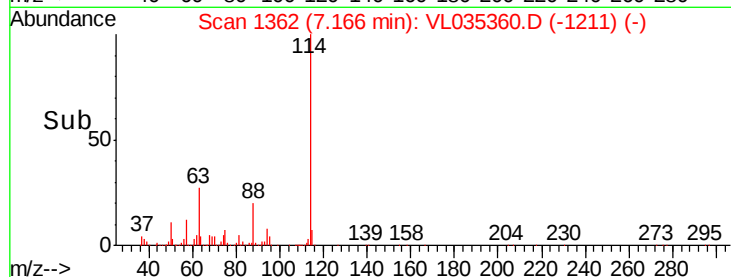
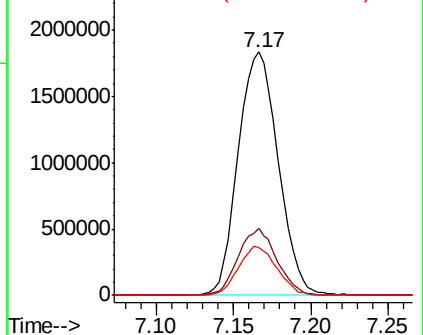
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.3	31.9
88	19.3	15.3	22.9

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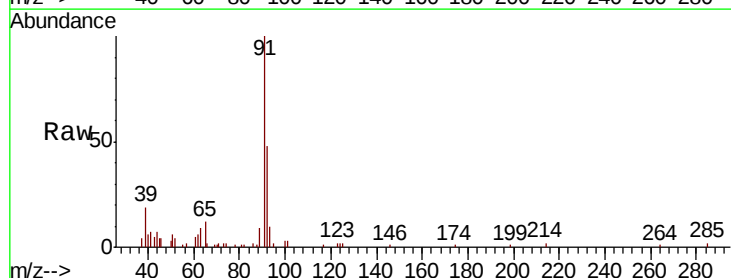


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

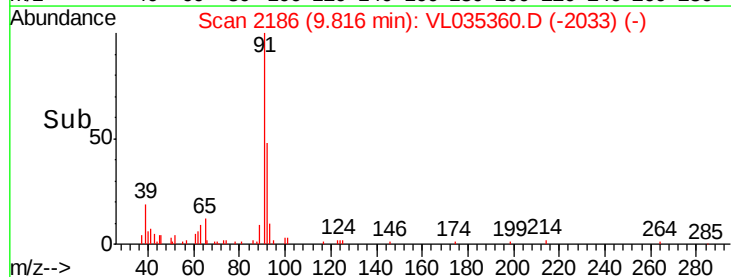
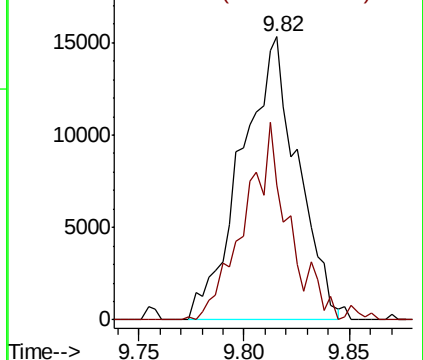


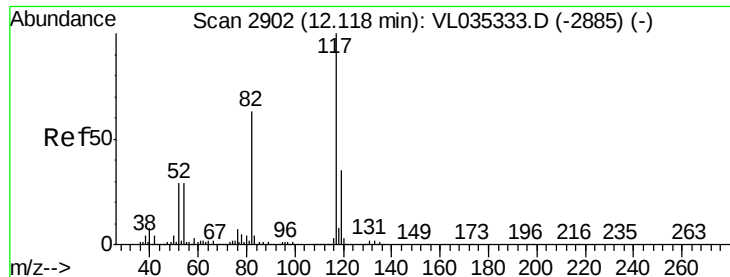
#53
 Toluene
 Concen: 0.117 ppbv
 RT: 9.82 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VL035360.D
 Acq: 6 Aug 2020 21:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.0	48.5	72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0





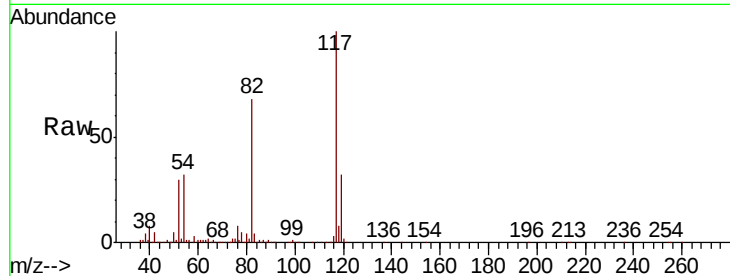
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL035360.D
Acq: 6 Aug 2020 21:48

Instrument :
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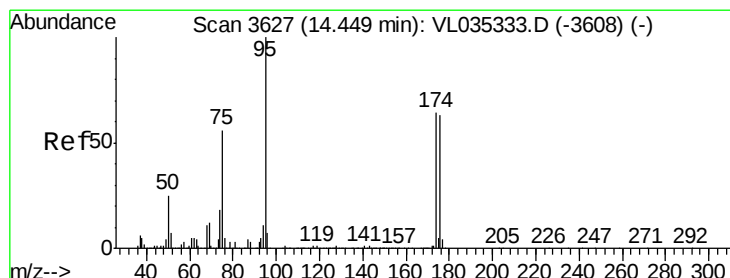
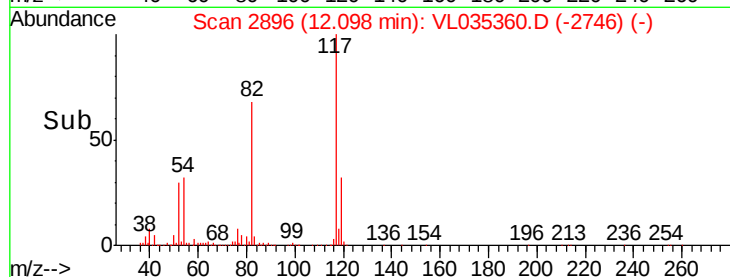
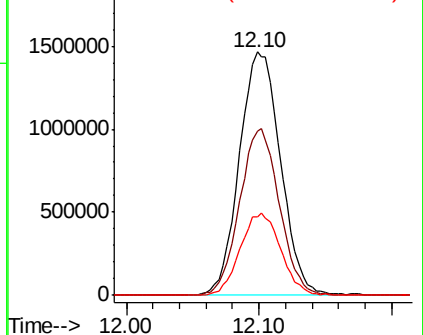
Tot Ion	Ratio	Lower	Upper
117	100		
82	66.5	51.0	76.4
119	33.6	24.7	37.1

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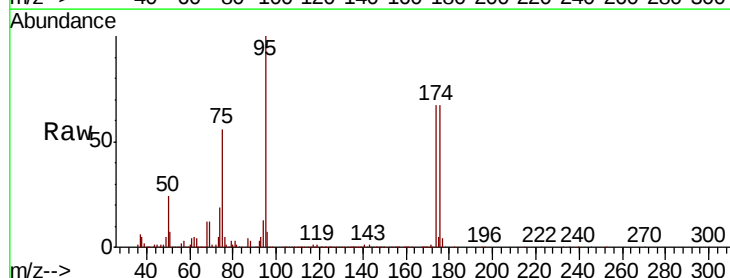


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.905 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL035360.D
Acq: 6 Aug 2020 21:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.3	53.5	80.3
175	5.1	4.2	6.2



Abundance Ion 95.10 (94.80 to 95.80): V
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

