

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035618.D
 Acq On : 15 Sep 2020 3:19
 Operator : SY/AP
 Sample : L3983-06 20X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-11

Manual Integrations
 APPROVED

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 9/17/2020 5:41:06 PM

Quant Time: Sep 15 08:09:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	955310	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	4102877	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	4118791	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3036085	10.38	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	7050	0.698	ppbv	99
15) Acetone	3.85	43	47693	0.453	ppbv #	63
20) Methylene Chloride	4.33	84	19076	0.243	ppbv #	94
52) Tetrachloroethene	11.21	164	13194m	0.085	ppbv	

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

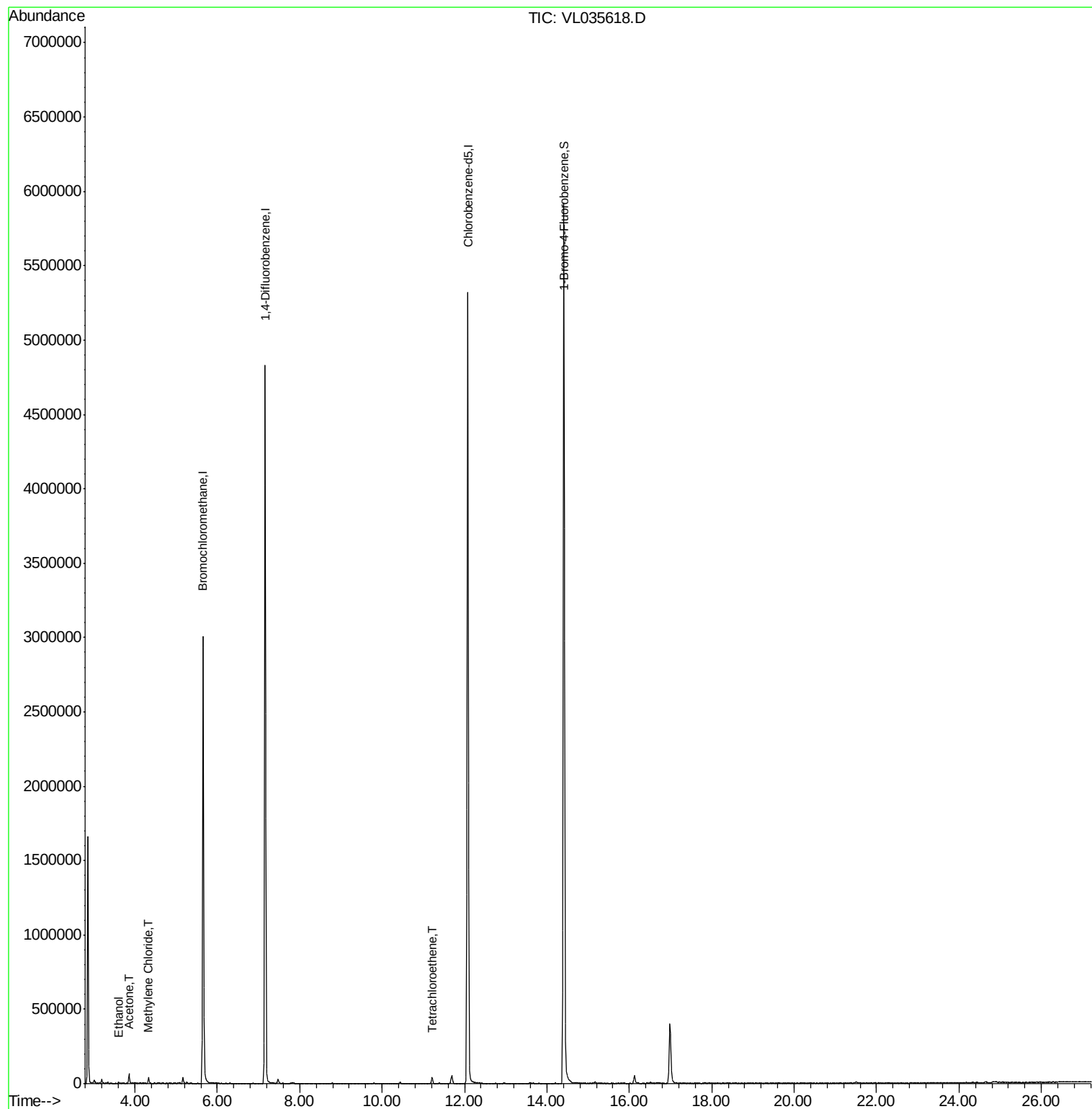
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Data File : VL035618.D
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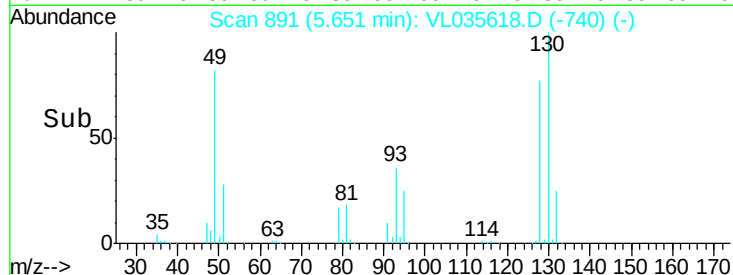
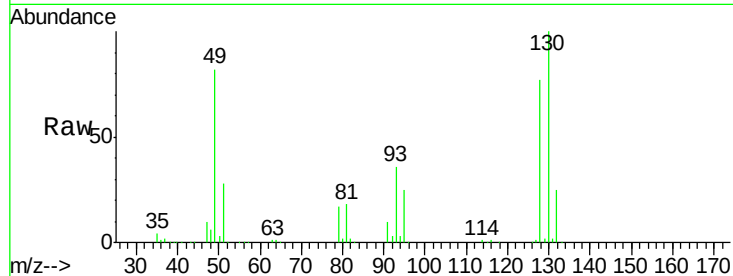
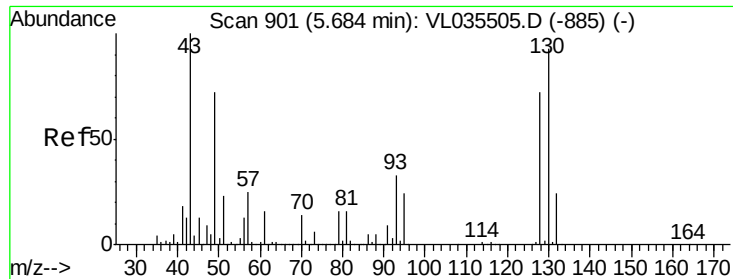
Instrument :
MSVOA_L
ClientSampleId :
SV-11

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Quant Time: Sep 15 08:09:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





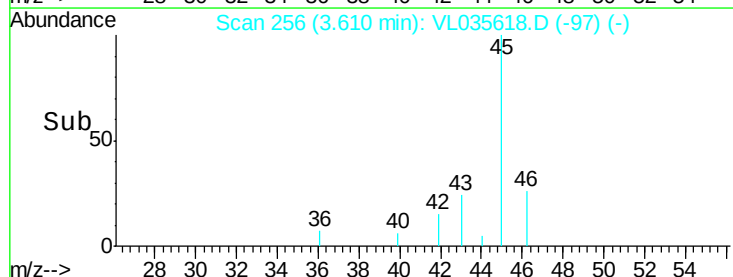
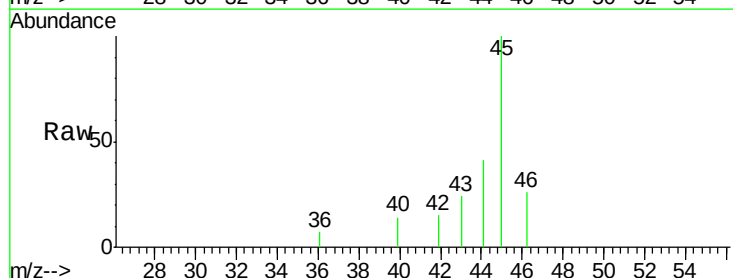
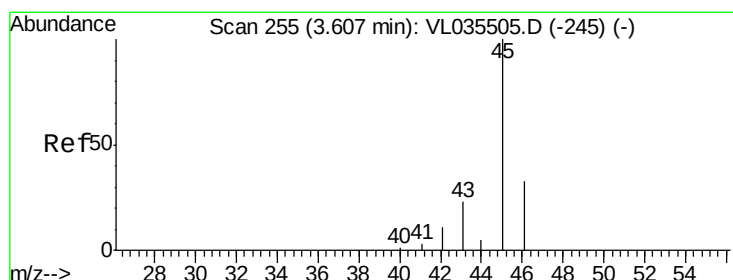
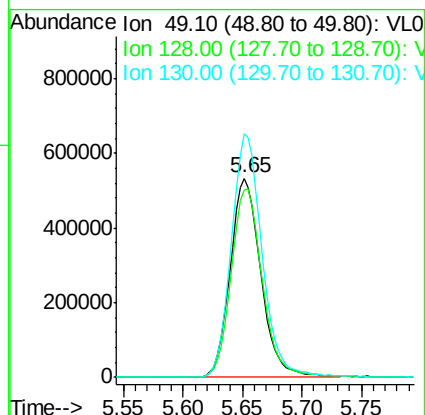
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL035618.D
Acq: 15 Sep 2020 3:19

Tot Ion	Ratio	Lower	Upper
49	100		
128	96.9	50.0	150.1
130	123.3	64.4	193.2

Instrument :
MSVOA_L
ClientSampled :
SV-11

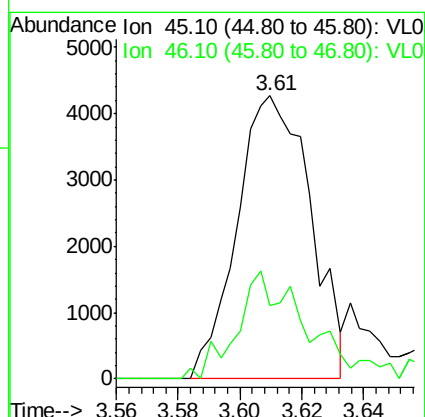
Manual Integrations
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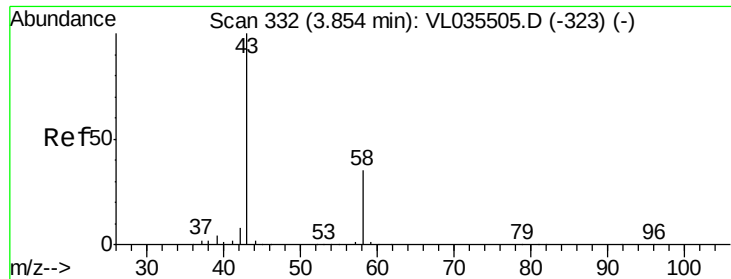
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#13
Ethanol
Concen: 0.698 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL035618.D
Acq: 15 Sep 2020 3:19

Tgt Ion	Ratio	Lower	Upper
45	100		
46	38.3	15.2	60.6





#15

Acetone

Concen: 0.453 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL035618.D

Acq: 15 Sep 2020 3:19

Instrument :

MSVOA_L

ClientSampled :

SV-11

Tot Ion: 43 Resp: 47693

Ion Ratio Lower Upper

43 100

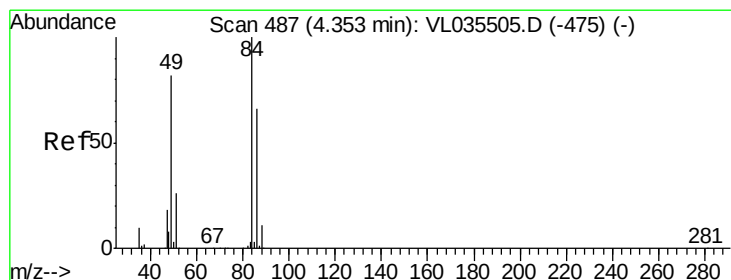
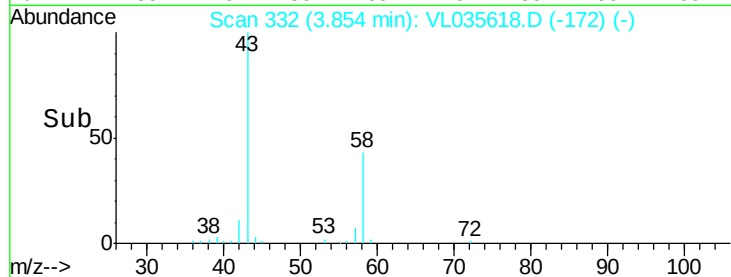
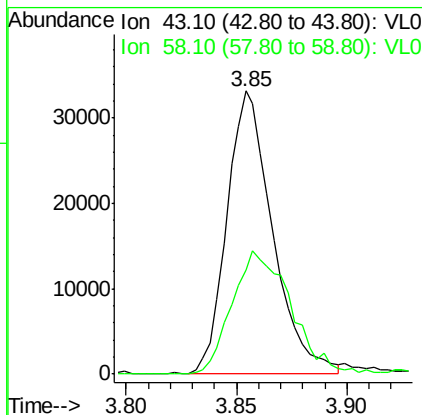
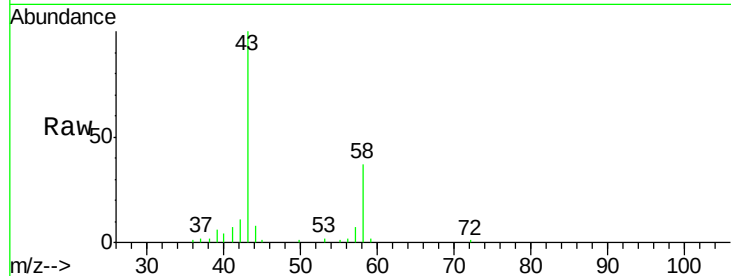
58 57.0 28.4 42.6#

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#20

Methylene Chloride

Concen: 0.243 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.01 min

Lab File: VL035618.D

Acq: 15 Sep 2020 3:19

Tgt Ion: 84 Resp: 19076

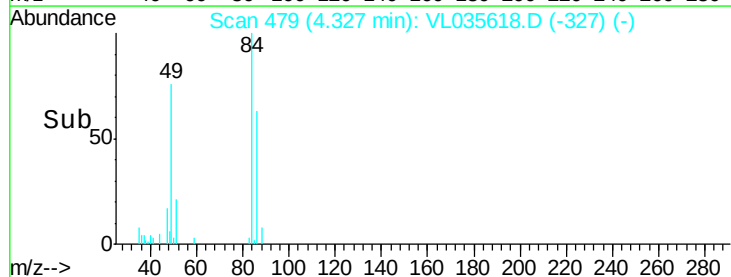
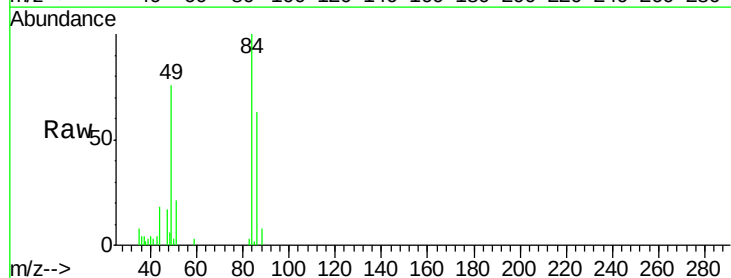
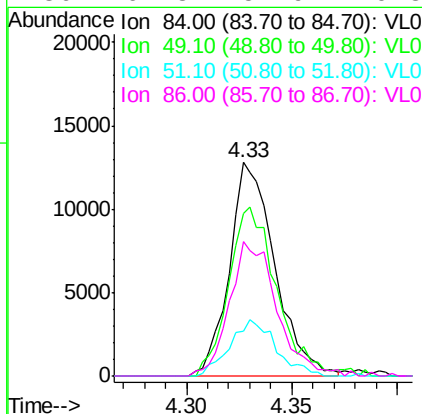
Ion Ratio Lower Upper

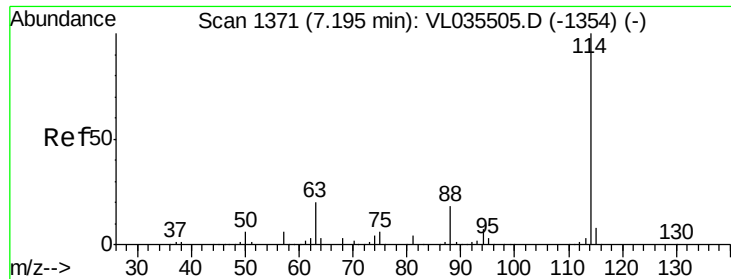
84 100

49 75.9 65.4 98.0

51 21.0 21.5 32.3#

86 62.8 52.9 79.3





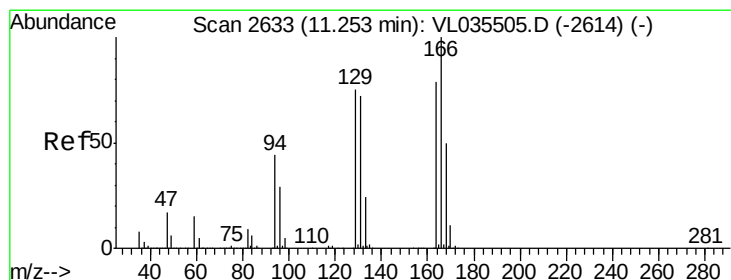
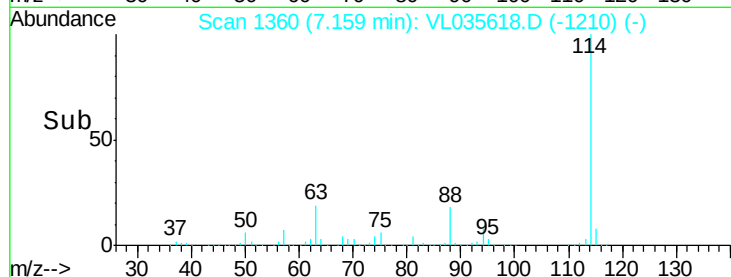
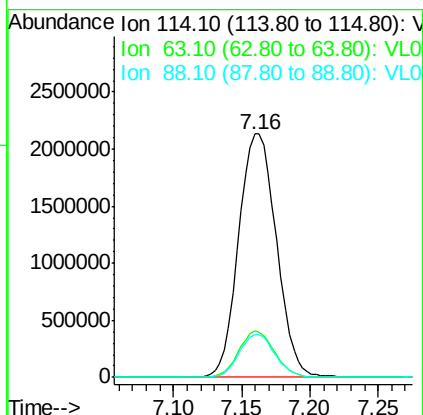
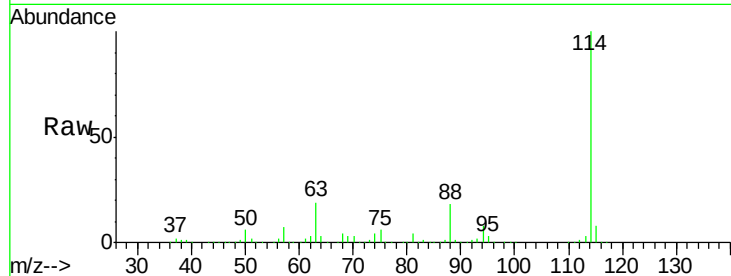
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VL035618.D
 Acq: 15 Sep 2020 3:19

Instrument :
 MSVOA_L
 ClientSampled :
 SV-11

Tot Ion:114 Resp: 4102877
 Ion Ratio Lower Upper
 114 100
 63 18.0 14.7 22.1
 88 16.8 13.4 20.2

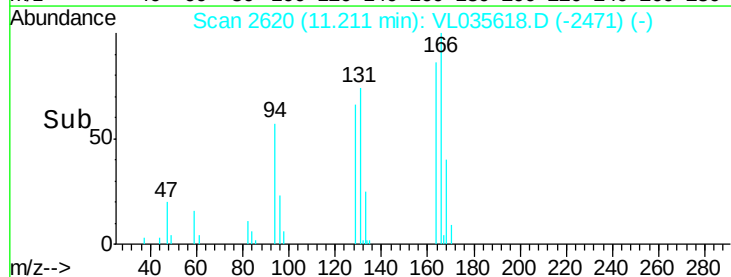
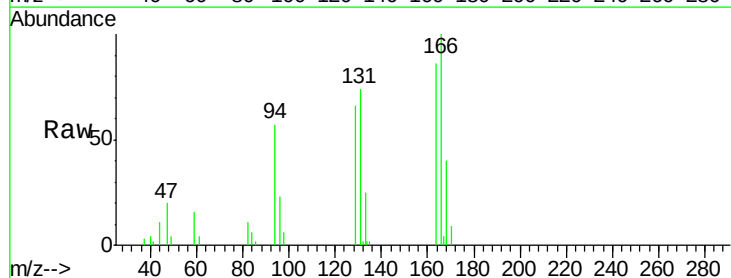
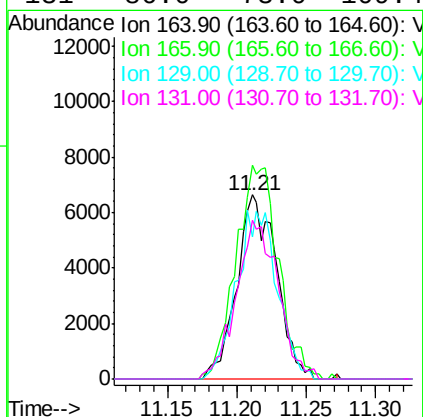
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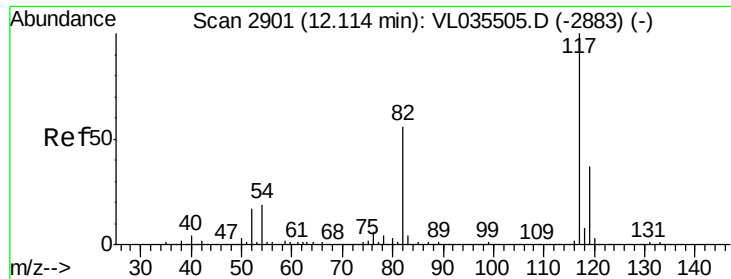
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#52
 Tetrachloroethene
 Concen: 0.085 ppbv m
 RT: 11.21 min Scan# 2620
 Delta R.T. -0.02 min
 Lab File: VL035618.D
 Acq: 15 Sep 2020 3:19

Tgt Ion:164 Resp: 13194
 Ion Ratio Lower Upper
 164 100
 166 116.1 100.9 151.3
 129 77.0 75.3 112.9
 131 86.0 73.0 109.4





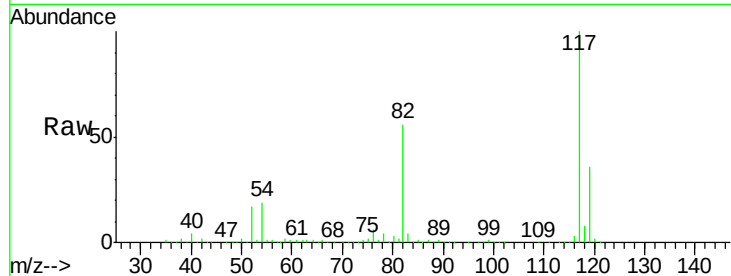
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.02 min
Lab File: VL035618.D
Acq: 15 Sep 2020 3:19

Instrument :
MSVOA_L
ClientSampled :
SV-11

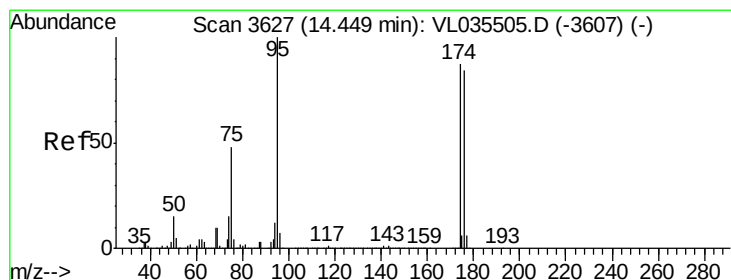
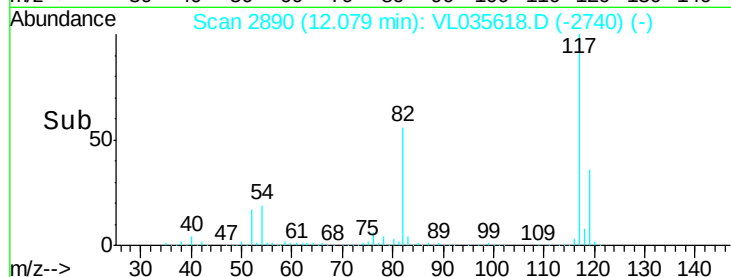
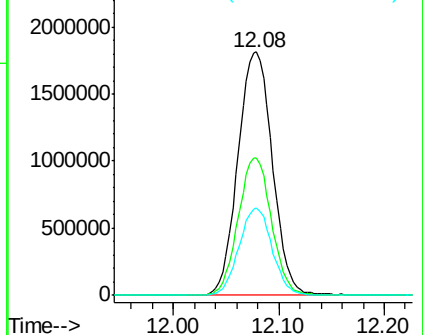
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	41.6	62.4
119	34.6	29.3	43.9

Manual Integrations
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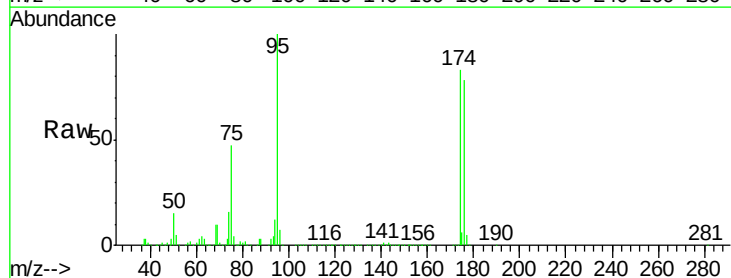


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.380 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. -0.02 min
Lab File: VL035618.D
Acq: 15 Sep 2020 3:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.9	69.6	104.4
175	5.9	5.1	7.7



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

