

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035839.D
 Acq On : 4 Nov 2020 18:48
 Operator : SY/AP
 Sample : L4610-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5DL

Manual Integrations
 APPROVED

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Quant Time: Nov 05 11:27:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1002585	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	4581190	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	4133103	10.00	ppbv	-0.04

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.38	95	2932153	9.99	ppbv	-0.04	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	123282	2.805	ppbv #	80
15) Acetone	3.83	43	432354	4.034	ppbv	97
20) Methylene Chloride	4.32	84	65568	0.869	ppbv	98
26) Hexane	5.65	57	44954	0.386	ppbv #	43
52) Tetrachloroethene	11.19	164	33011	0.205	ppbv	95
53) Toluene	9.77	91	70615	0.172	ppbv	97
59) m/p-Xylene	12.94	91	71229m	0.167	ppbv	

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

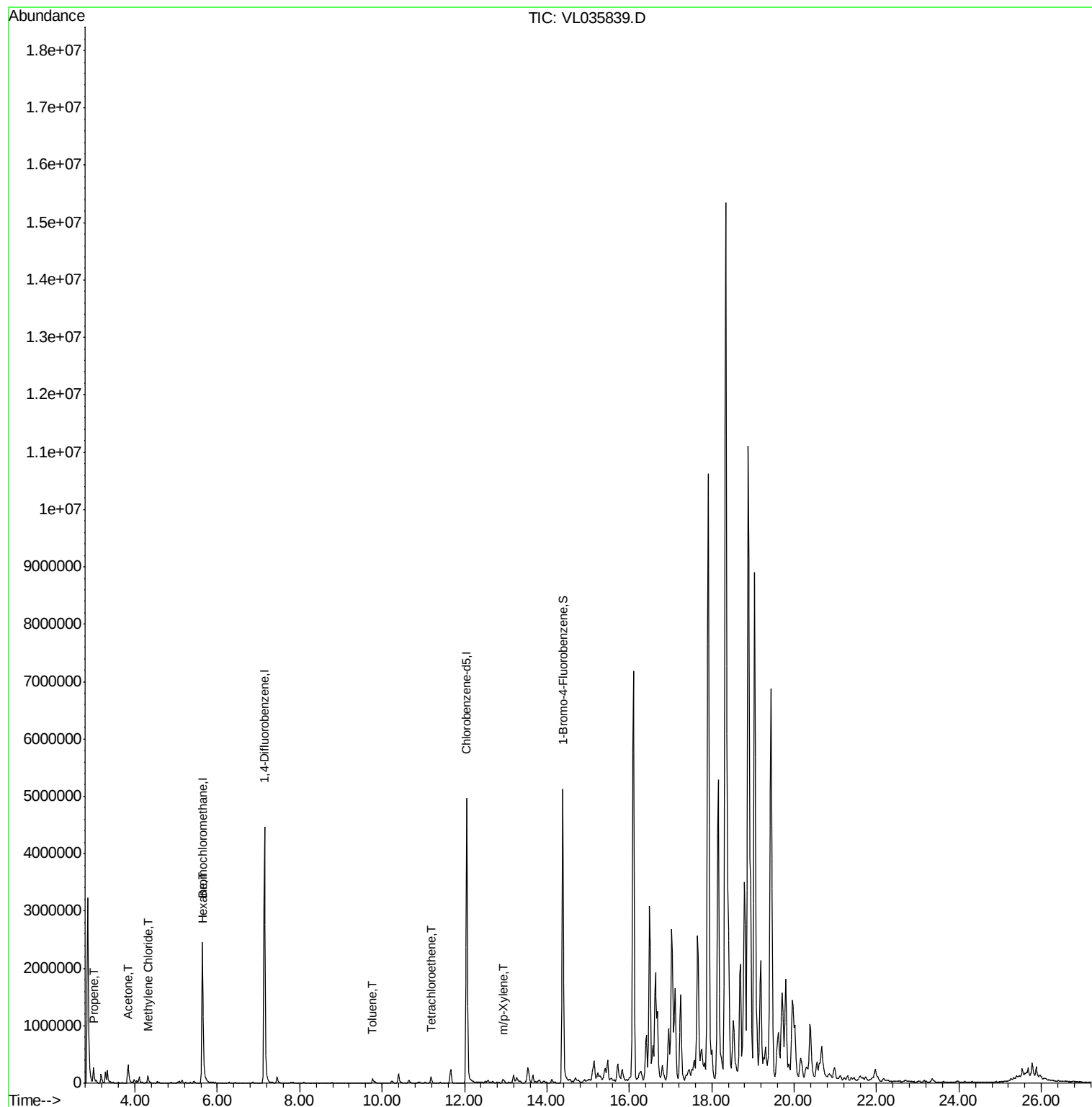
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110420\
Data File : VL035839.D
Acq On : 4 Nov 2020 18:48
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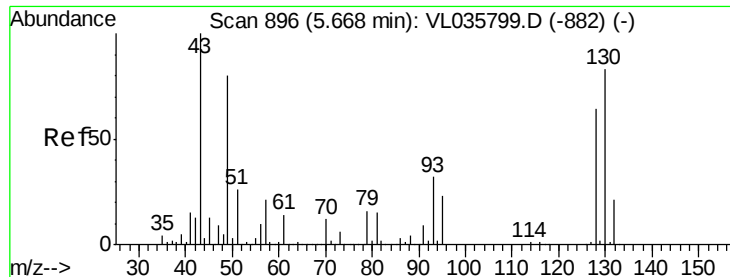
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Nov 05 11:27:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.03 min

Lab File: VL035839.D

Acq: 4 Nov 2020 18:48

Instrument :

MSVOA_L

ClientSampleId :

SV5DL

Tot Ion: 49 Resp: 1002585

Ion Ratio Lower Upper

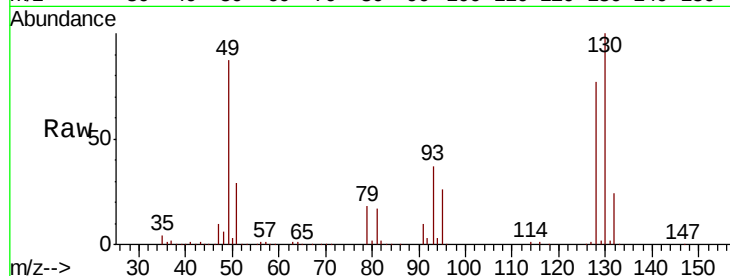
49 100

128 92.1 41.5 124.6

130 118.3 53.7 161.1

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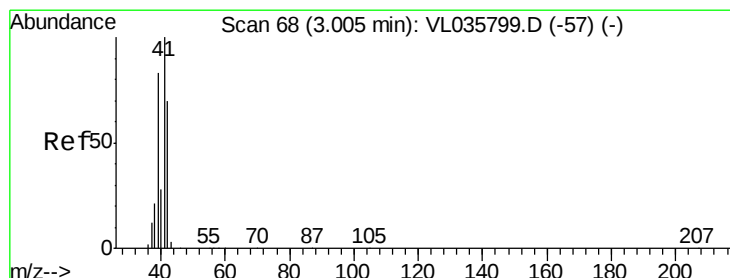
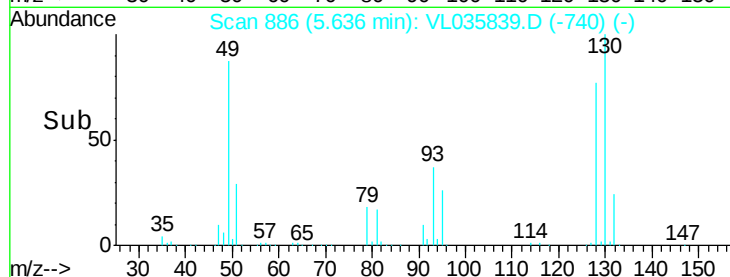
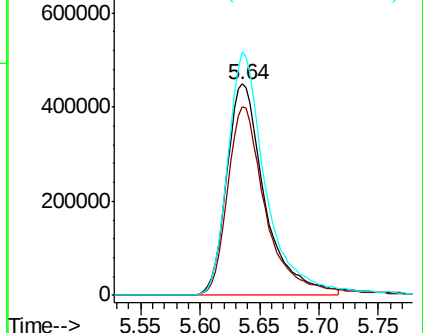
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 2.805 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL035839.D

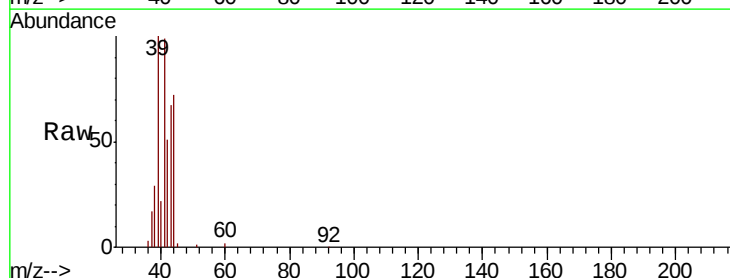
Acq: 4 Nov 2020 18:48

Tgt Ion: 41 Resp: 123282

Ion Ratio Lower Upper

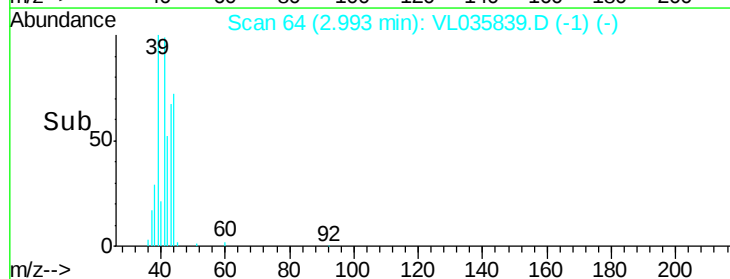
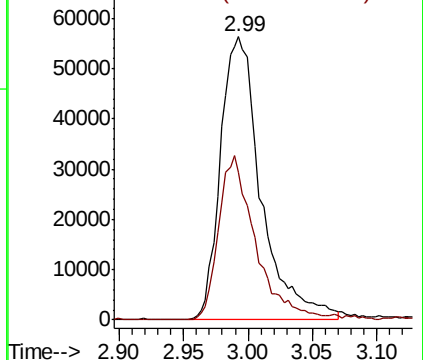
41 100

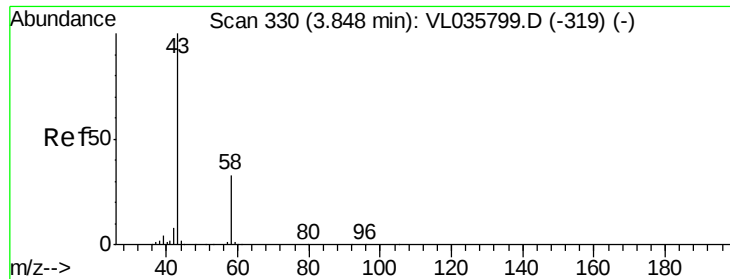
42 53.6 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 4.034 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.02 min

Lab File: VL035839.D

Acq: 4 Nov 2020 18:48

Instrument :

MSVOA_L

ClientSampleId :

SV5DL

Tot Ion: 43 Resp: 432354

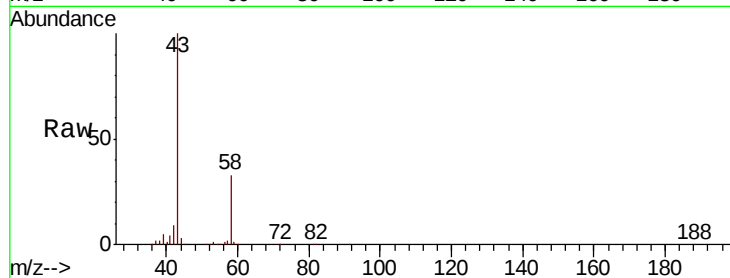
Ion Ratio Lower Upper

43 100

58 36.2 27.5 41.3

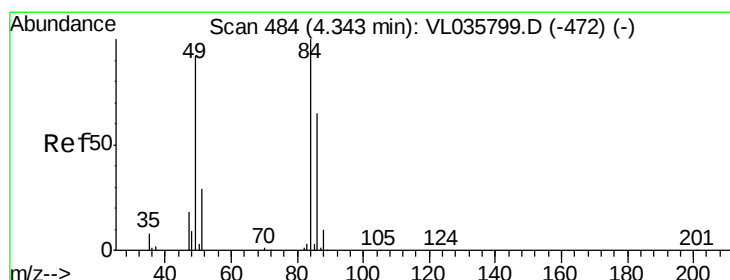
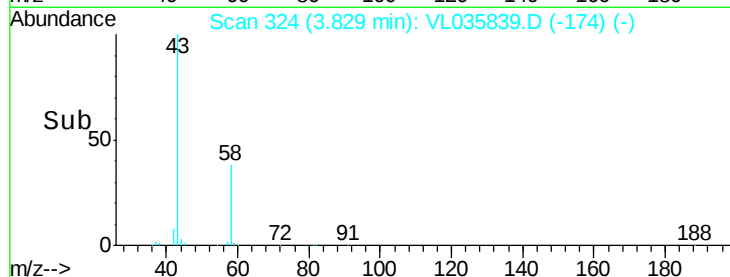
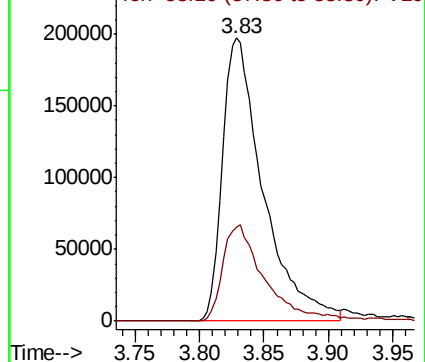
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.869 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.03 min

Lab File: VL035839.D

Acq: 4 Nov 2020 18:48

Tgt Ion: 84 Resp: 65568

Ion Ratio Lower Upper

84 100

49 90.9 73.8 110.8

51 30.5 23.0 34.4

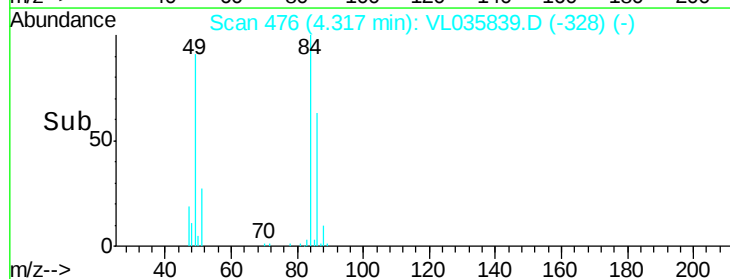
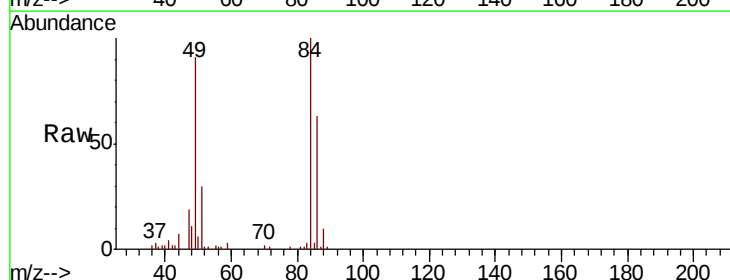
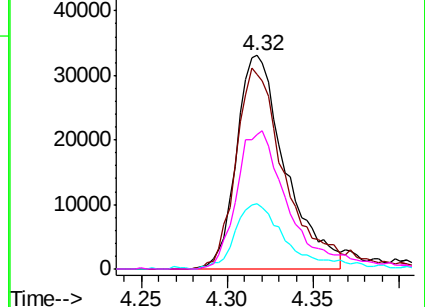
86 63.1 52.1 78.1

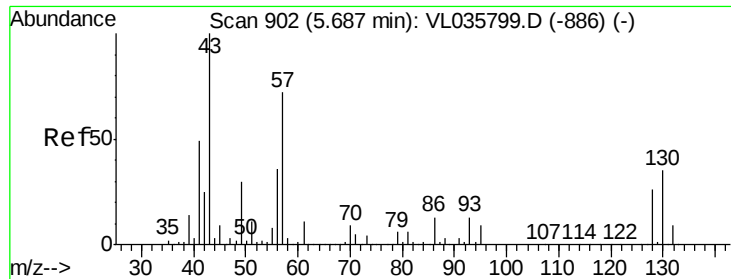
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





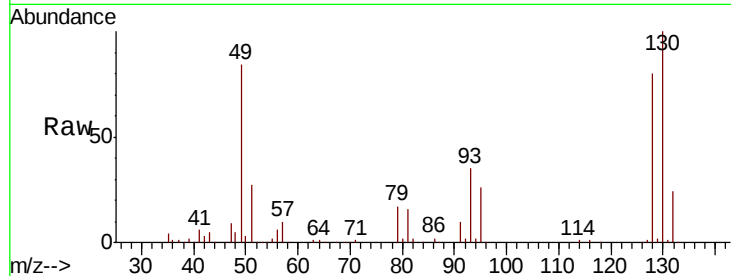
#26
Hexane
Concen: 0.386 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL035839.D
Acq: 4 Nov 2020 18:48

Instrument :
MSVOA_L
ClientSampleID :
SV5DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	84.1	58.9	88.3
43	59.4	150.2	225.2#
56	60.3	42.4	63.6

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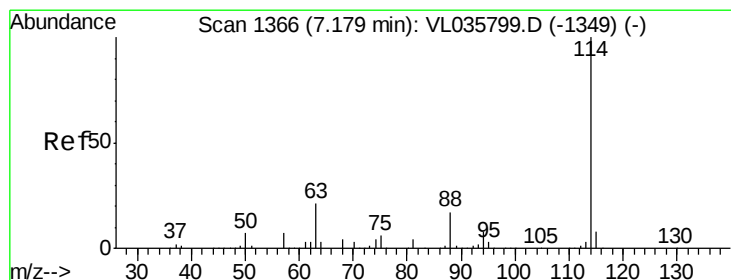
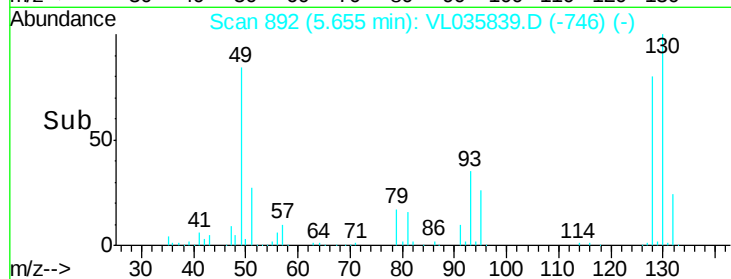
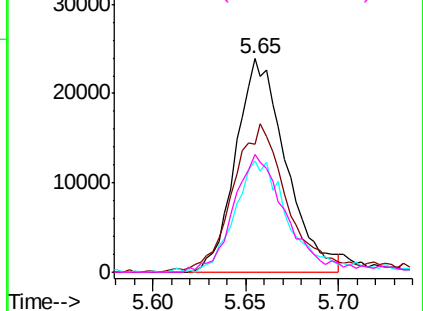
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

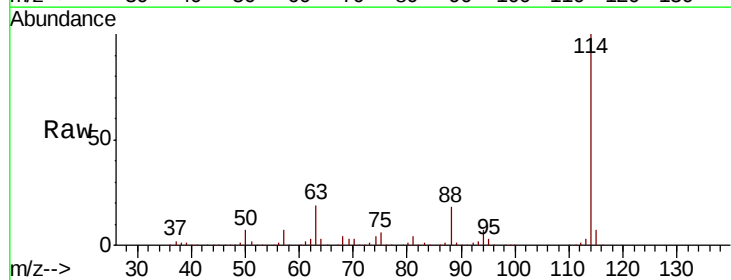
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.04 min
Lab File: VL035839.D
Acq: 4 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	16.1	24.1
88	16.7	13.7	20.5

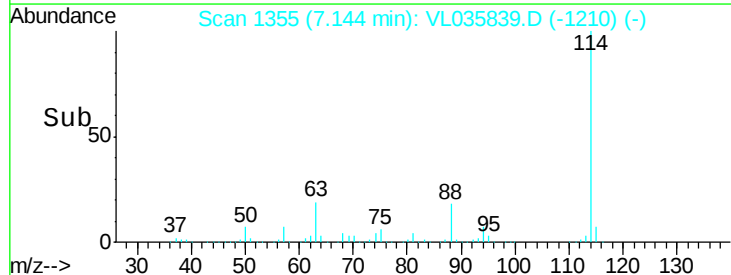
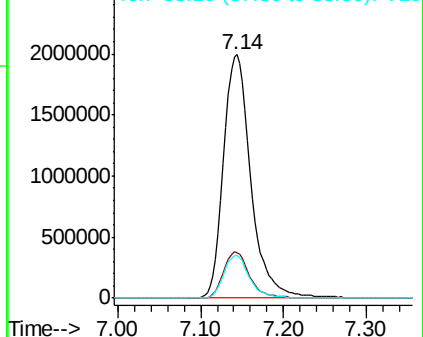


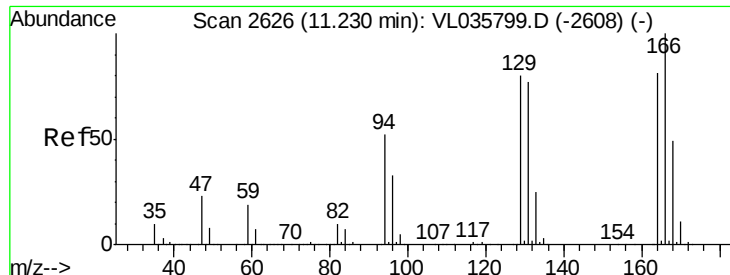
Abundance

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





#52

Tetrachloroethene

Concen: 0.205 ppbv

RT: 11.19 min Scan# 2613

Delta R.T. -0.04 min

Lab File: VL035839.D

Acq: 4 Nov 2020 18:48

Instrument :

MSVOA_L

ClientSampleId :

SV5DL

Tot Ion:164 Resp: 33011

Ion Ratio Lower Upper

164 100

166 119.4 99.3 148.9

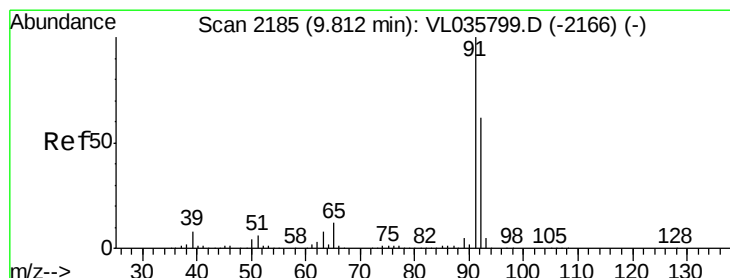
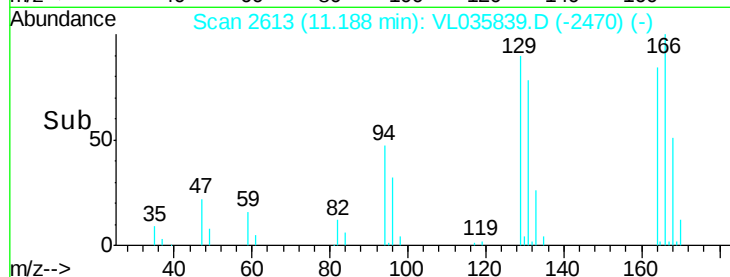
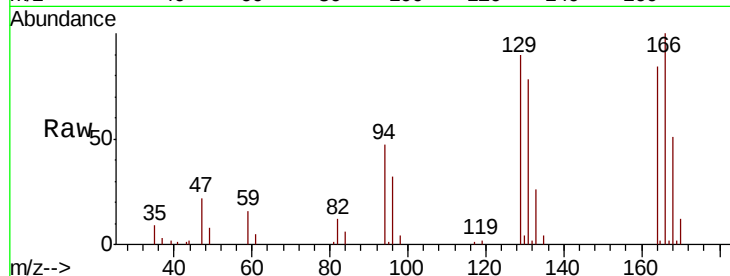
129 107.5 79.3 118.9

131 93.5 76.5 114.7

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#53

Toluene

Concen: 0.172 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.04 min

Lab File: VL035839.D

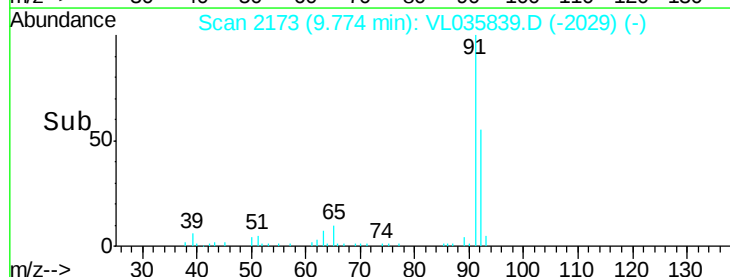
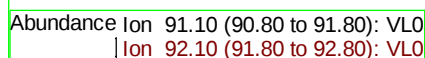
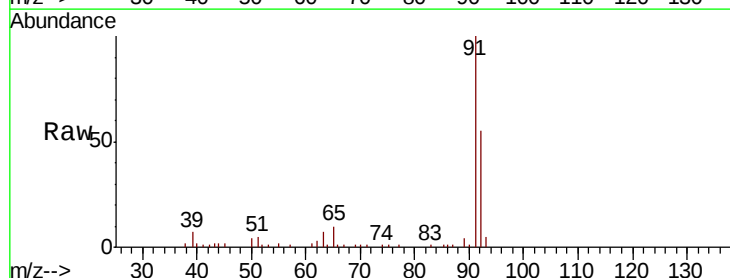
Acq: 4 Nov 2020 18:48

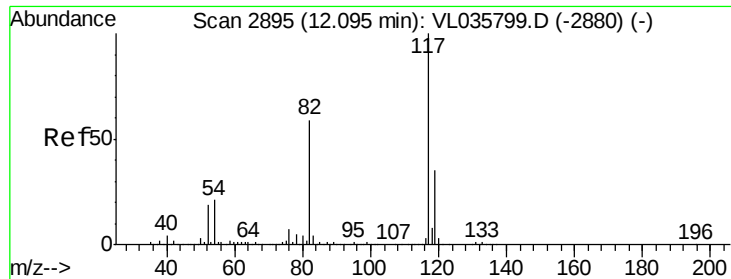
Tgt Ion: 91 Resp: 70615

Ion Ratio Lower Upper

91 100

92 59.8 49.8 74.6





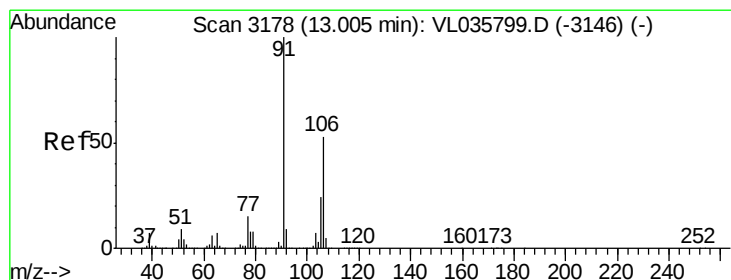
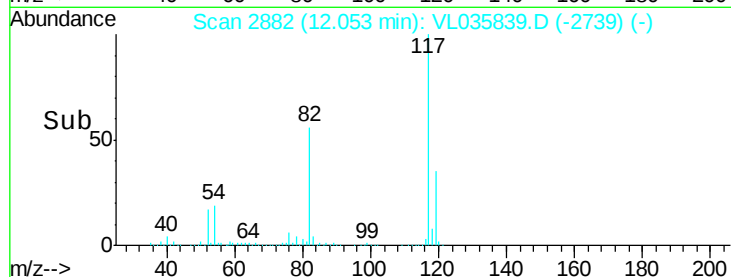
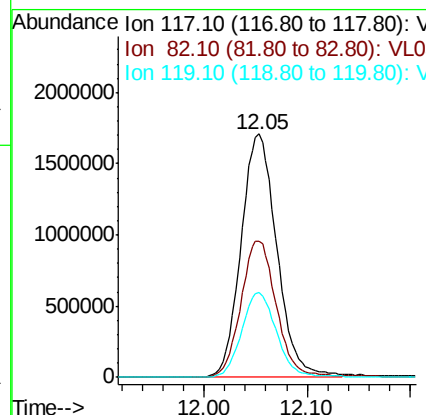
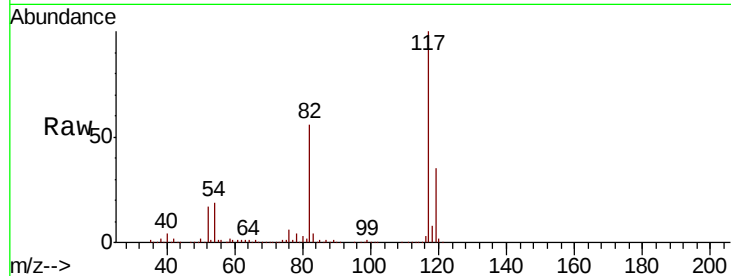
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2882
Delta R.T. -0.04 min
Lab File: VL035839.D
Acq: 4 Nov 2020 18:48

Instrument :
MSVOA_L
ClientSampled :
SV5DL

Tot Ion:117 Resp: 4133103
Ion Ratio Lower Upper
117 100
82 56.7 50.6 76.0
119 34.7 52.6 78.8#

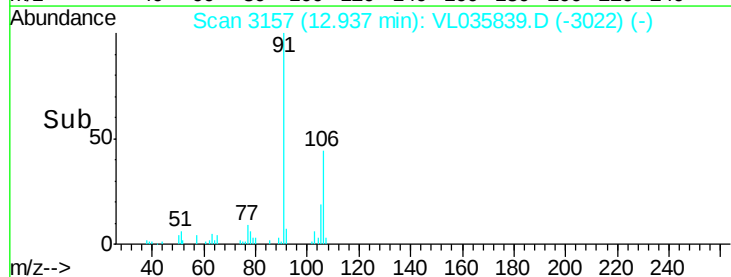
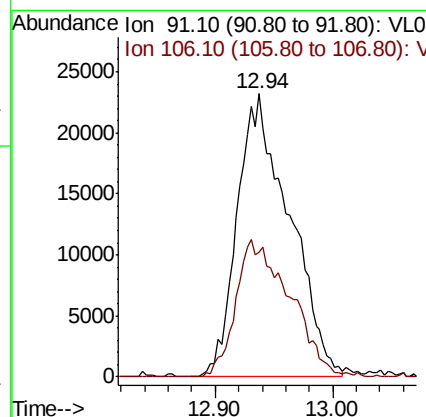
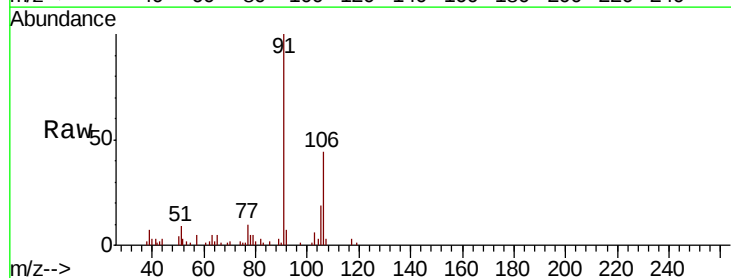
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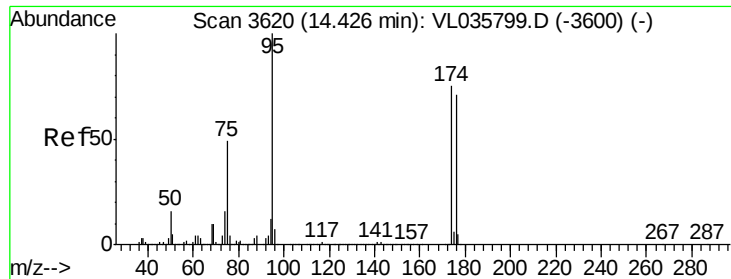
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#59
m/p-Xylene
Concen: 0.167 ppbv m
RT: 12.94 min Scan# 3157
Delta R.T. -0.07 min
Lab File: VL035839.D
Acq: 4 Nov 2020 18:48

Tgt Ion: 91 Resp: 71229
Ion Ratio Lower Upper
91 100
106 0.0 39.5 59.3#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.985 ppbv
 RT: 14.38 min Scan# 3607
 Delta R.T. -0.04 min
 Lab File: VL035839.D
 Acq: 4 Nov 2020 18:48

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5DL

Tot Ion	Ion	Ratio	Lower	Upper
95	100			
174	74.0	59.8	89.6	
175	5.1	4.3	6.5	

Manual Integrations
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