

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035634.D
 Acq On : 16 Sep 2020 18:25
 Operator : SY/AP
 Sample : L4026-02DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TRC-IA-02DL

Manual Integrations
 APPROVED

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 9/17/2020 1:52:36 PM

Quant Time: Sep 17 10:38:44 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 15:19:50 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	5.66	49	1271033	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4950123	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4896060	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3609412	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	24043	0.109	ppbv	94
3) Chlorodifluoromethane	2.97	51	16837m	0.120	ppbv	
4) Chloromethane	3.13	50	9138	0.121	ppbv #	86
9) Propene	3.01	41	10498	0.194	ppbv	83
13) Ethanol	3.59	45	417218	31.050	ppbv	96
15) Acetone	3.85	43	153171	1.093	ppbv	99
19) Isopropyl Alcohol	3.97	45	54621	0.653	ppbv #	88
53) Toluene	9.81	91	67184	0.167	ppbv	98
59) m/p-Xylene	12.97	91	46697m	0.111	ppbv	

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

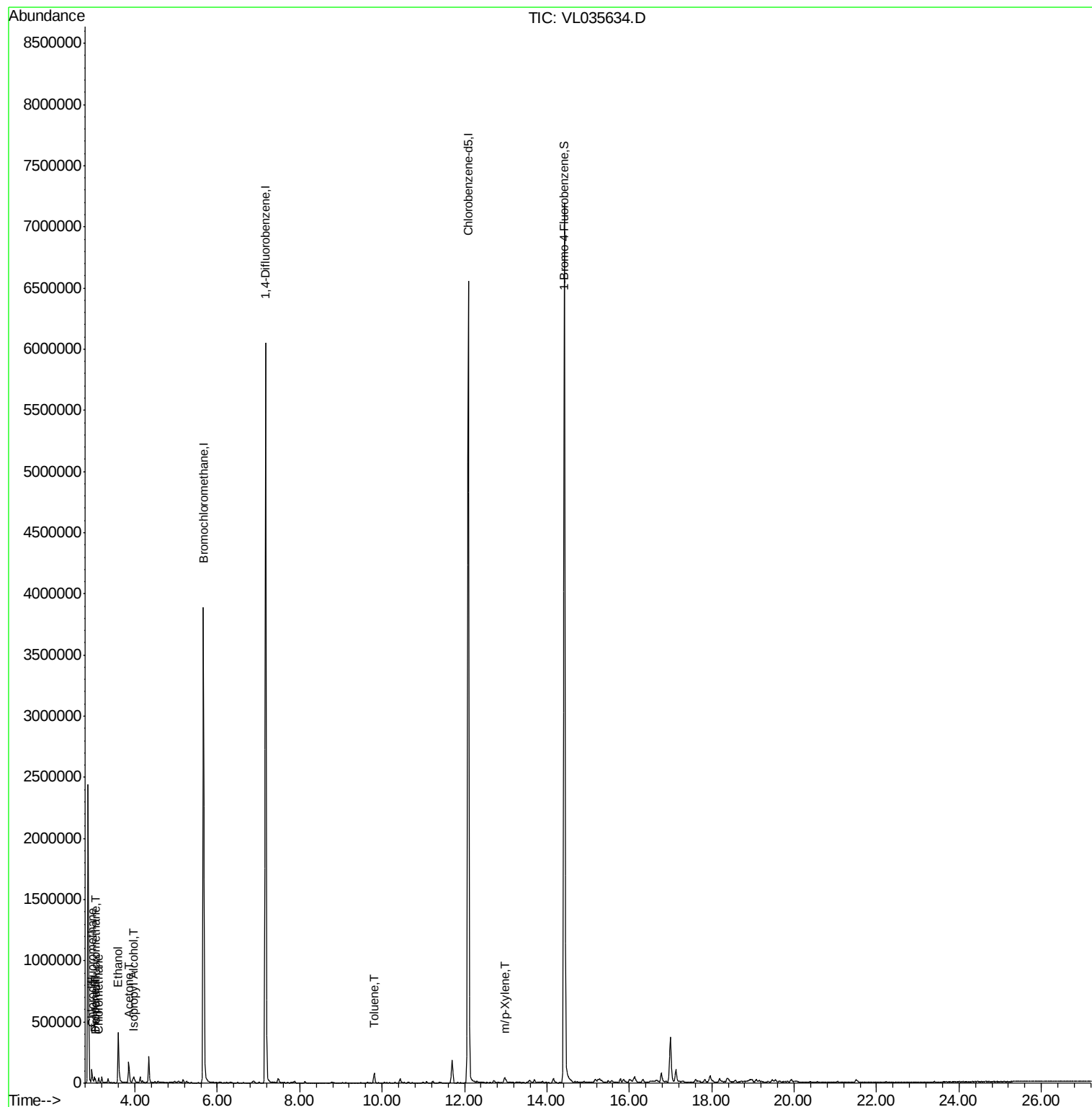
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091620\
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Quant Time: Sep 17 10:38:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL035634.D

Acq: 16 Sep 2020 18:25

Instrument :

MSVOA_L

ClientSampleId :

TRC-IA-02DL

Tot Ion: 49 Resp: 1271033

Ion Ratio Lower Upper

49 100

128 89.7 50.0 150.1

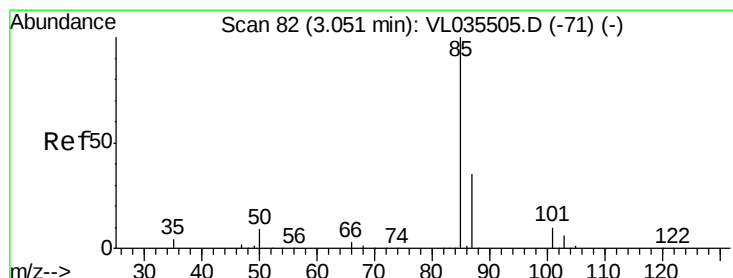
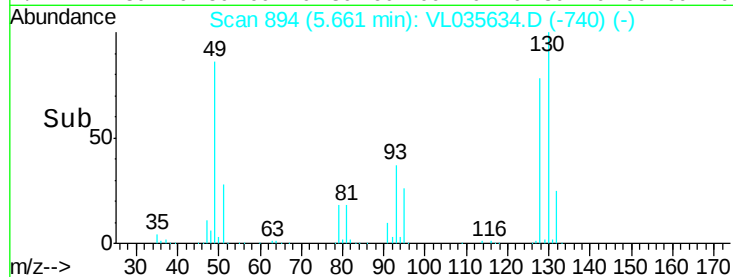
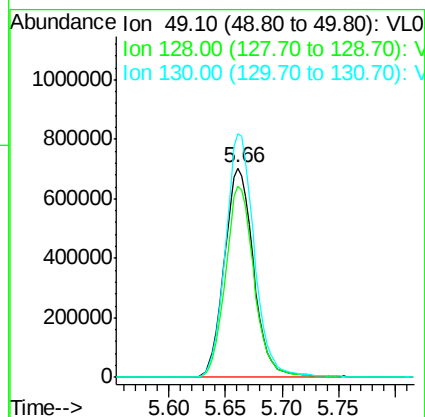
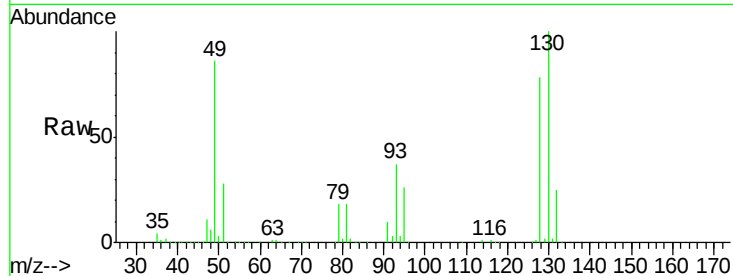
130 115.5 64.4 193.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 0.109 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.00 min

Lab File: VL035634.D

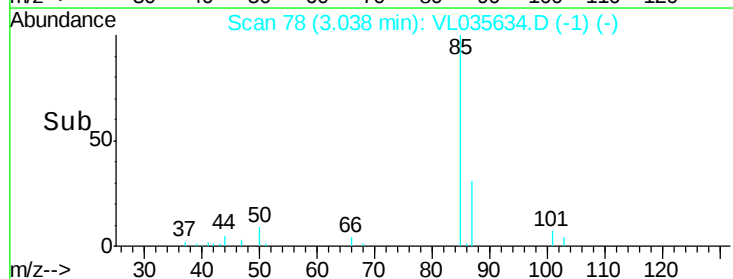
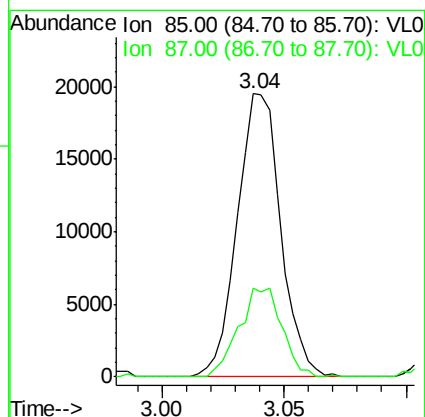
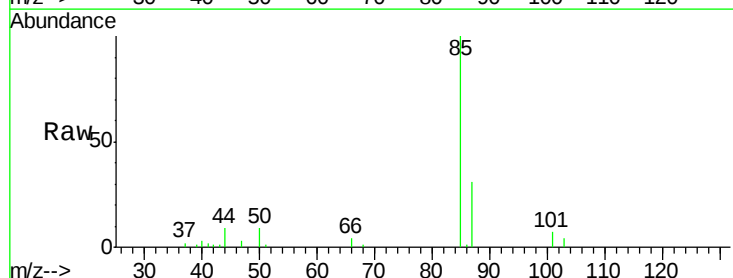
Acq: 16 Sep 2020 18:25

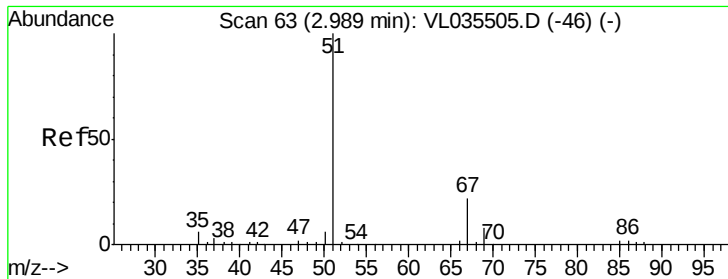
Tgt Ion: 85 Resp: 24043

Ion Ratio Lower Upper

85 100

87 31.2 28.0 42.0





#3

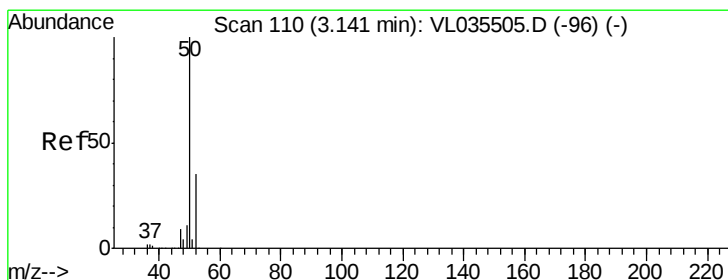
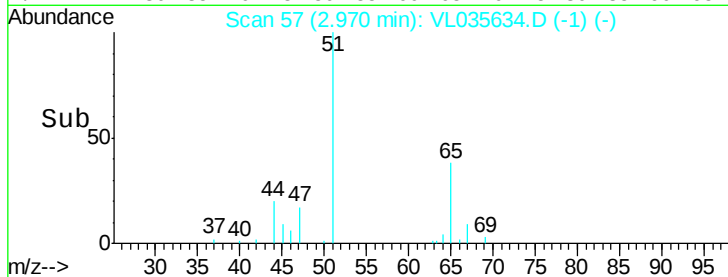
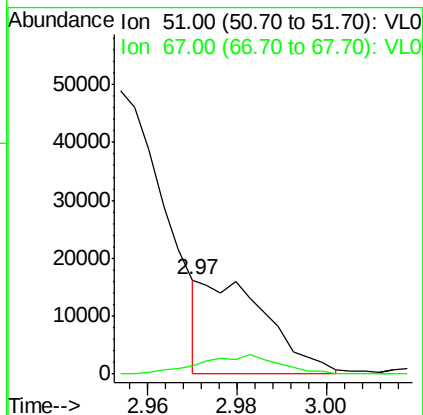
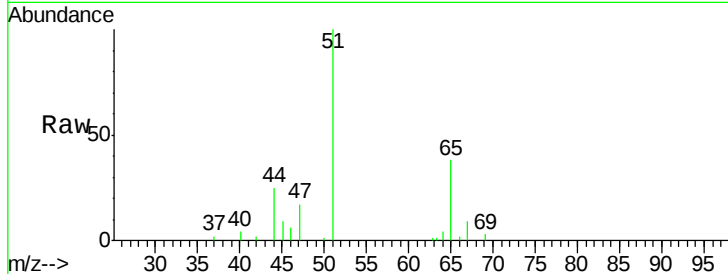
Chlorodifluoromethane
 Concen: 0.120 ppbv
 RT: 2.97 min Scan# 57
 Delta R.T. -0.00 min
 Lab File: VL035634.D
 Acq: 16 Sep 2020 18:25

Instrument :
 MSVOA_L
 ClientSampleId :
 TRC-IA-02DL

Tot Ion: 51 Resp: 16837
 Ion Ratio Lower Upper
 51 100
 67 24.3 17.8 26.8

Manual Integrations
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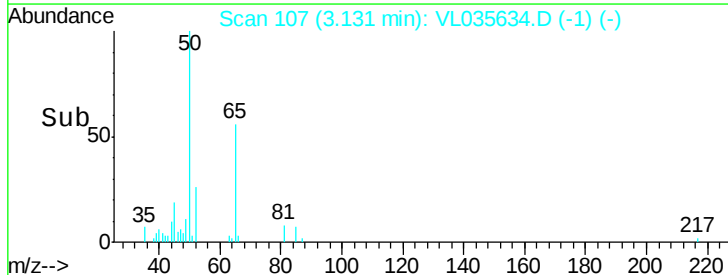
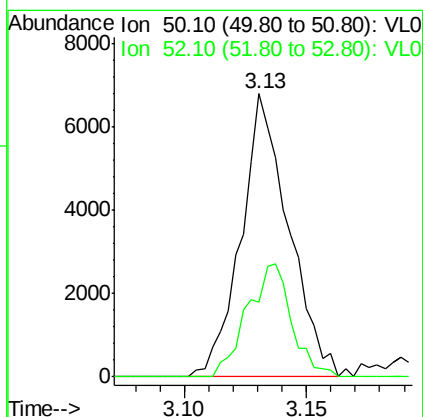
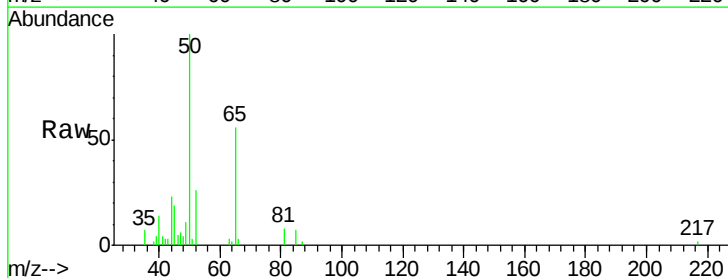
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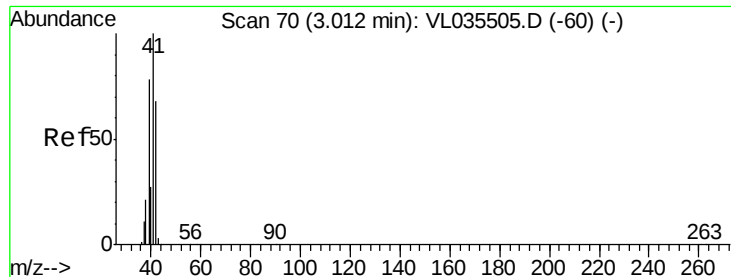


#4

Chloromethane
 Concen: 0.121 ppbv
 RT: 3.13 min Scan# 107
 Delta R.T. 0.00 min
 Lab File: VL035634.D
 Acq: 16 Sep 2020 18:25

Tgt Ion: 50 Resp: 9138
 Ion Ratio Lower Upper
 50 100
 52 26.3 27.7 41.5#





#9

Propene

Concen: 0.194 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL035634.D

Acq: 16 Sep 2020 18:25

Instrument :

MSVOA_L

ClientSampleId :

TRC-IA-02DL

Tot Ion: 41 Resp: 10498

Ion Ratio Lower Upper

41 100

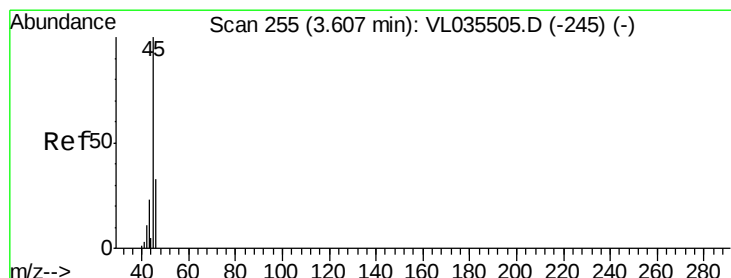
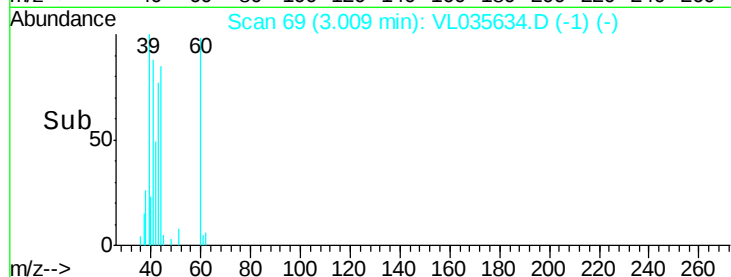
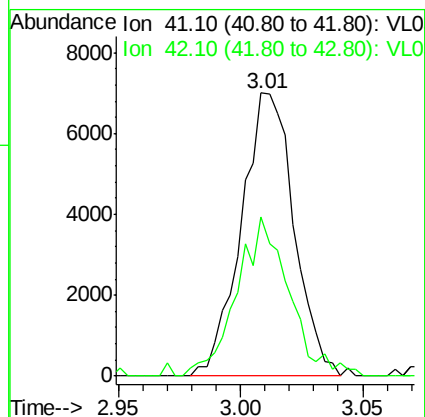
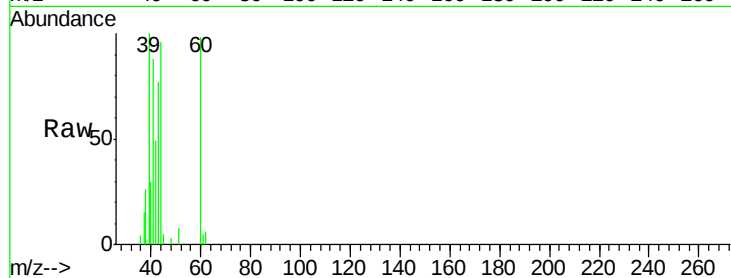
42 56.4 56.3 84.5

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#13

Ethanol

Concen: 31.050 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.00 min

Lab File: VL035634.D

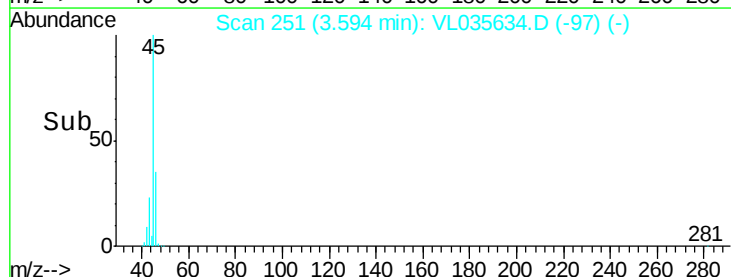
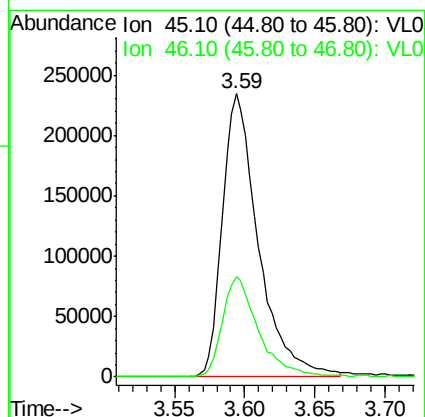
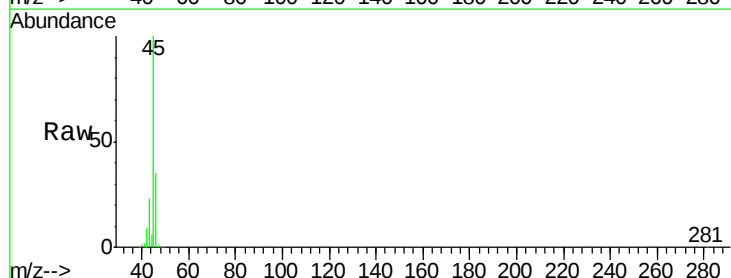
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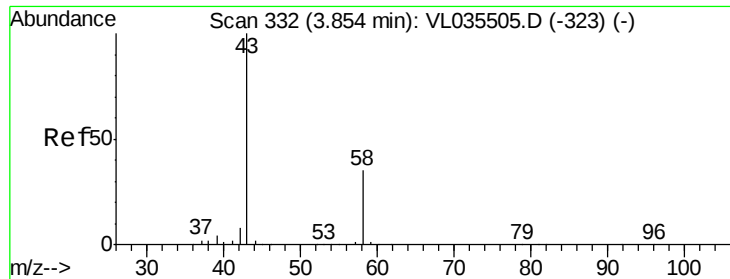
Tgt Ion: 45 Resp: 417218

Ion Ratio Lower Upper

45 100

46 35.7 15.2 60.6





#15

Acetone

Concen: 1.093 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL035634.D

Acq: 16 Sep 2020 18:25

Instrument :

MSVOA_L

ClientSampleId :

TRC-IA-02DL

Tot Ion: 43 Resp: 153171

Ion Ratio Lower Upper

43 100

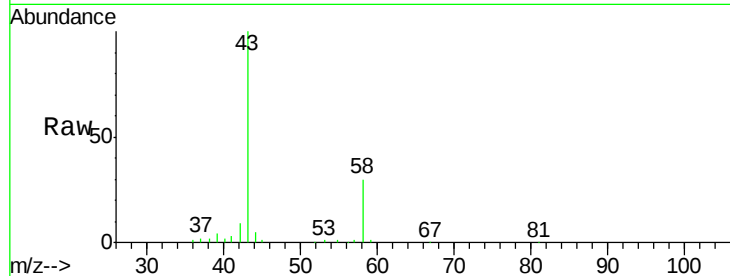
58 36.3 28.4 42.6

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

120000

100000

80000

60000

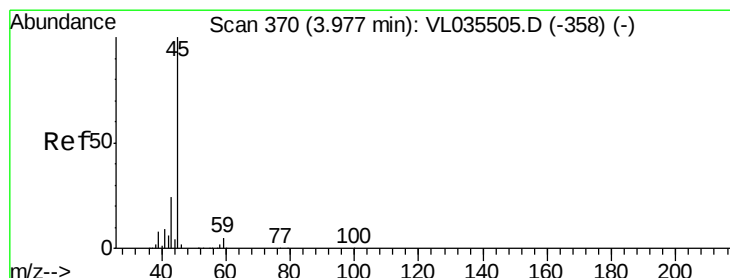
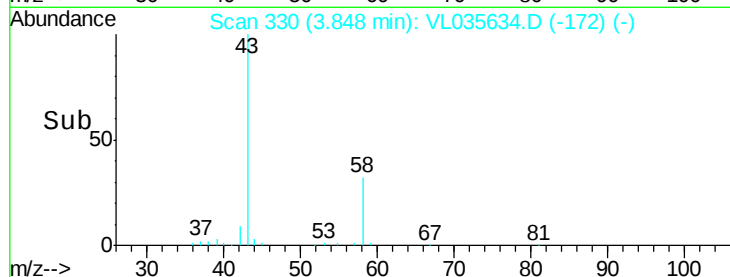
40000

20000

0

3.80 3.85 3.90

Time-->



#19

Isopropyl Alcohol

Concen: 0.653 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VL035634.D

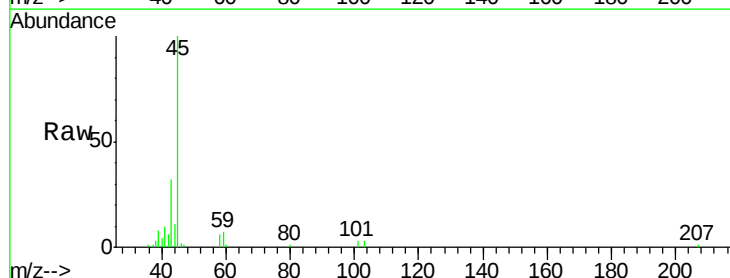
Acq: 16 Sep 2020 18:25

Tgt Ion: 45 Resp: 54621

Ion Ratio Lower Upper

45 100

58 6.5 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

30000

25000

20000

15000

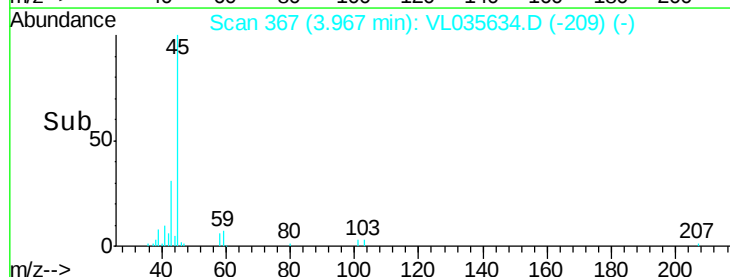
10000

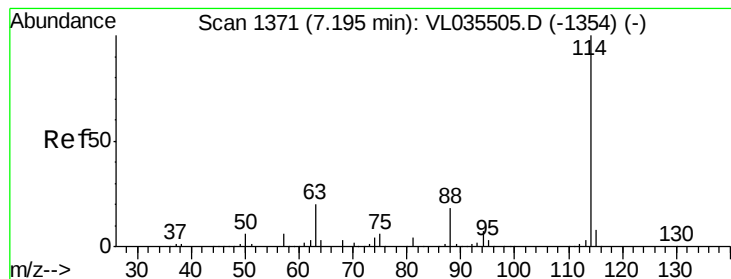
5000

0

3.90 3.95 4.00 4.05

Time-->





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VL035634.D

Acq: 16 Sep 2020 18:25

Instrument :

MSVOA_L

ClientSampleId :

TRC-IA-02DL

Tot Ion:114 Resp: 4950123

Ion Ratio Lower Upper

114 100

63 19.4 14.7 22.1

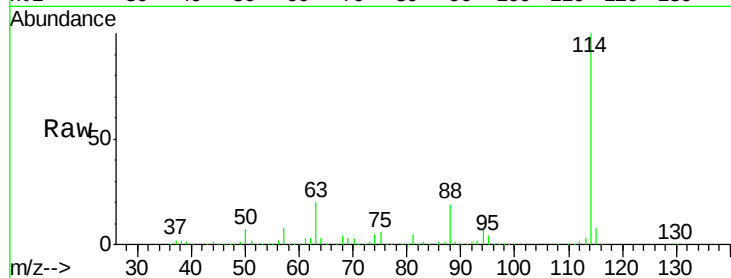
88 17.5 13.4 20.2

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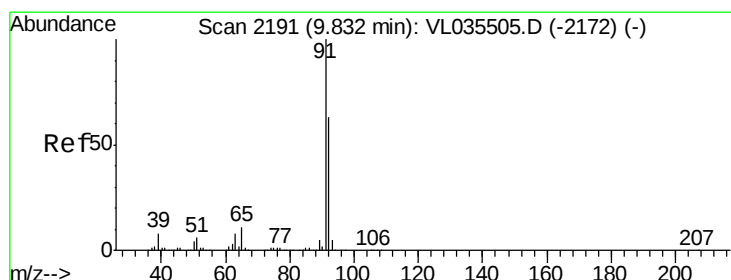
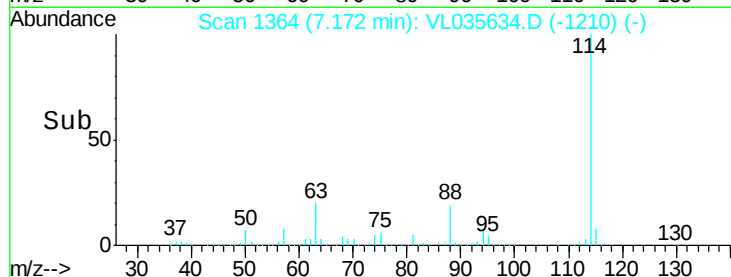
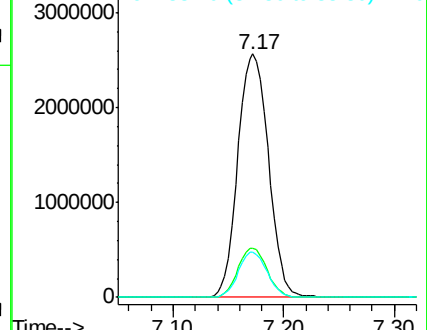
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#53

Toluene

Concen: 0.167 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL035634.D

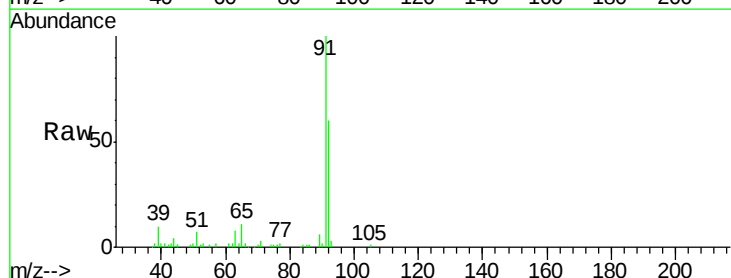
Acq: 16 Sep 2020 18:25

Tgt Ion: 91 Resp: 67184

Ion Ratio Lower Upper

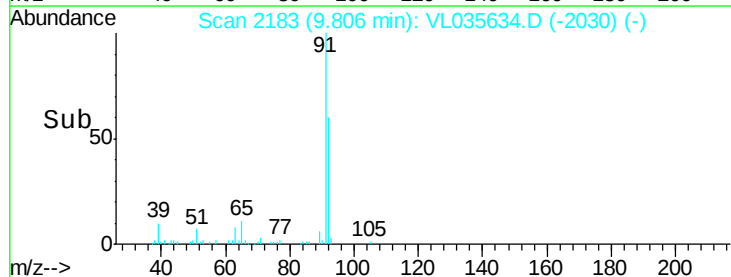
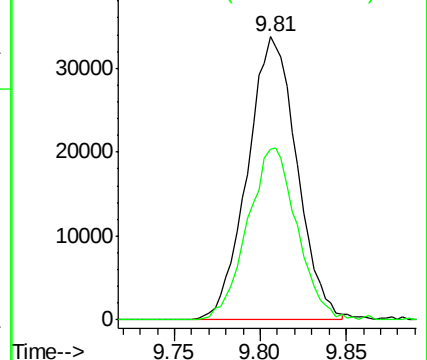
91 100

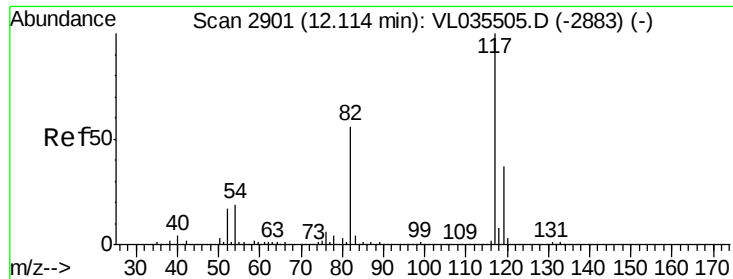
92 61.0 49.8 74.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





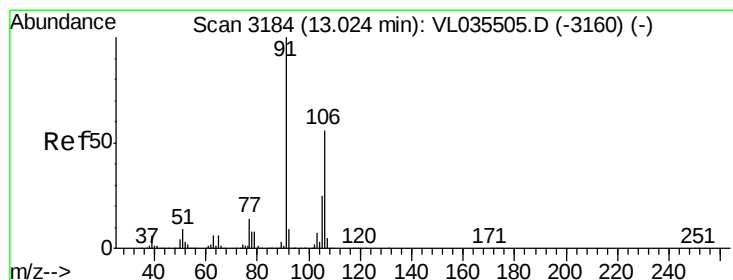
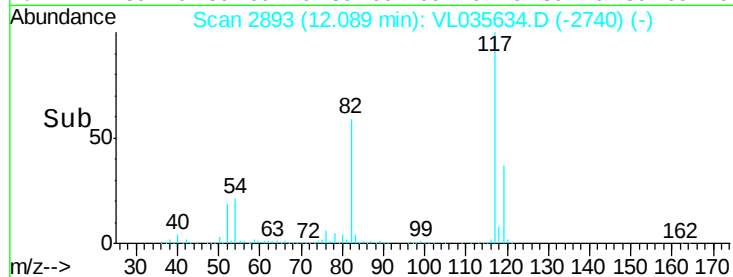
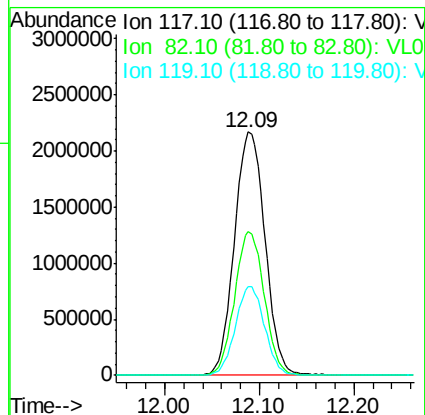
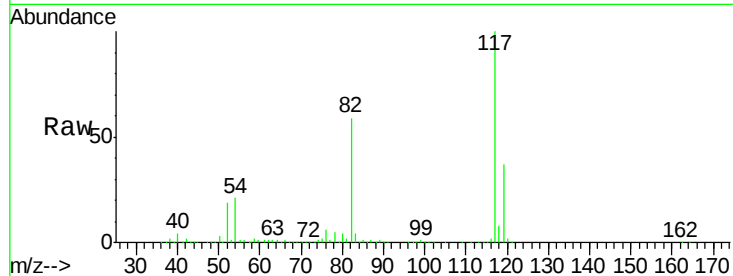
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL035634.D
Acq: 16 Sep 2020 18:25

Instrument :
MSVOA_L
ClientSampleId :
TRC-IA-02DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	41.6	62.4
119	35.0	29.3	43.9

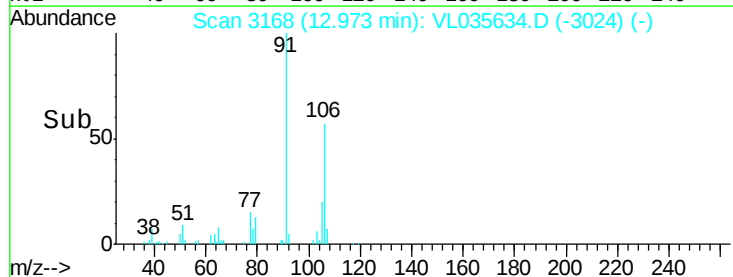
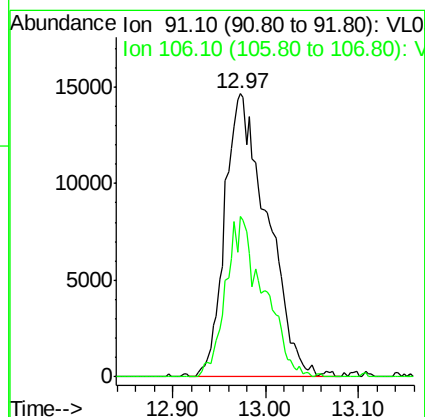
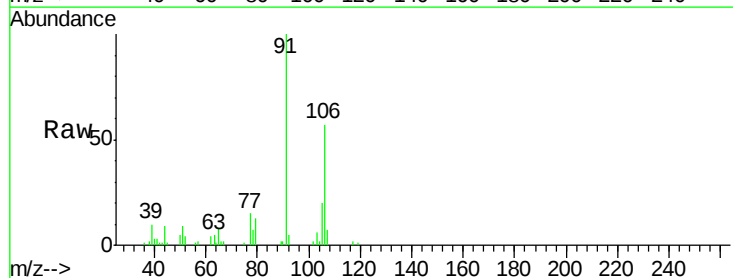
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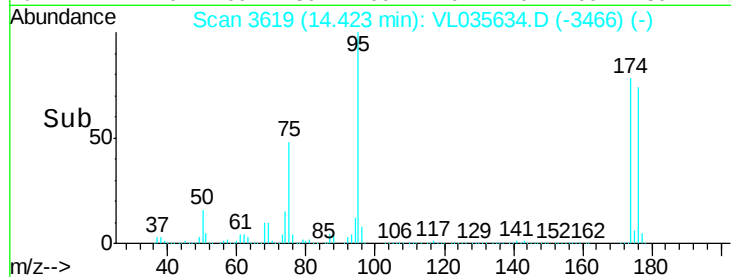
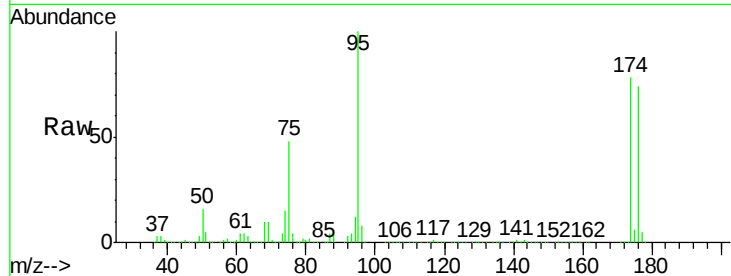
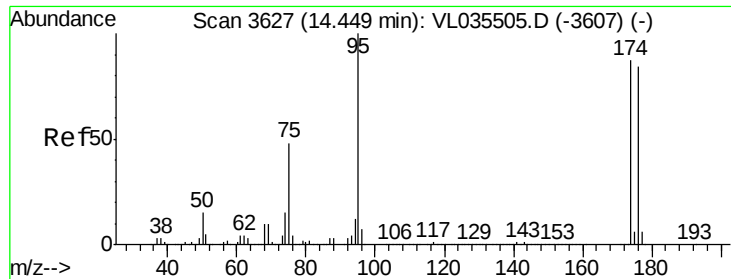
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#59
m/p-Xylene
Concen: 0.111 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.04 min
Lab File: VL035634.D
Acq: 16 Sep 2020 18:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	50.6	43.4	65.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.381 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL035634.D

Acq: 16 Sep 2020 18:25

Tot Ion: 95 Resp: 3609412

Ion Ratio Lower Upper

95 100

174 79.3 69.6 104.4

175 5.8 5.1 7.7

Instrument :

MSVOA_L

ClientSampleId :

TRC-IA-02DL

Manual Integrations

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