

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL031722\
 Data File : VL038638.D
 Acq On : 17 Mar 2022 23:04
 Operator : SY/AP
 Sample : N2003-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA4DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/19/2022
 Supervised By :Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 13:14:10 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030822A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	842125	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2126438	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	1802869	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1228817	8.96	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	11669m	1.939	ppbv	
15) Acetone	3.87	43	23603m	0.397	ppbv	
20) Methylene Chloride	4.36	84	17573	0.492	ppbv	90
38) Trichloroethene	7.83	130	7422m	0.097	ppbv	
52) Tetrachloroethene	11.23	164	322404	4.584	ppbv	97

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

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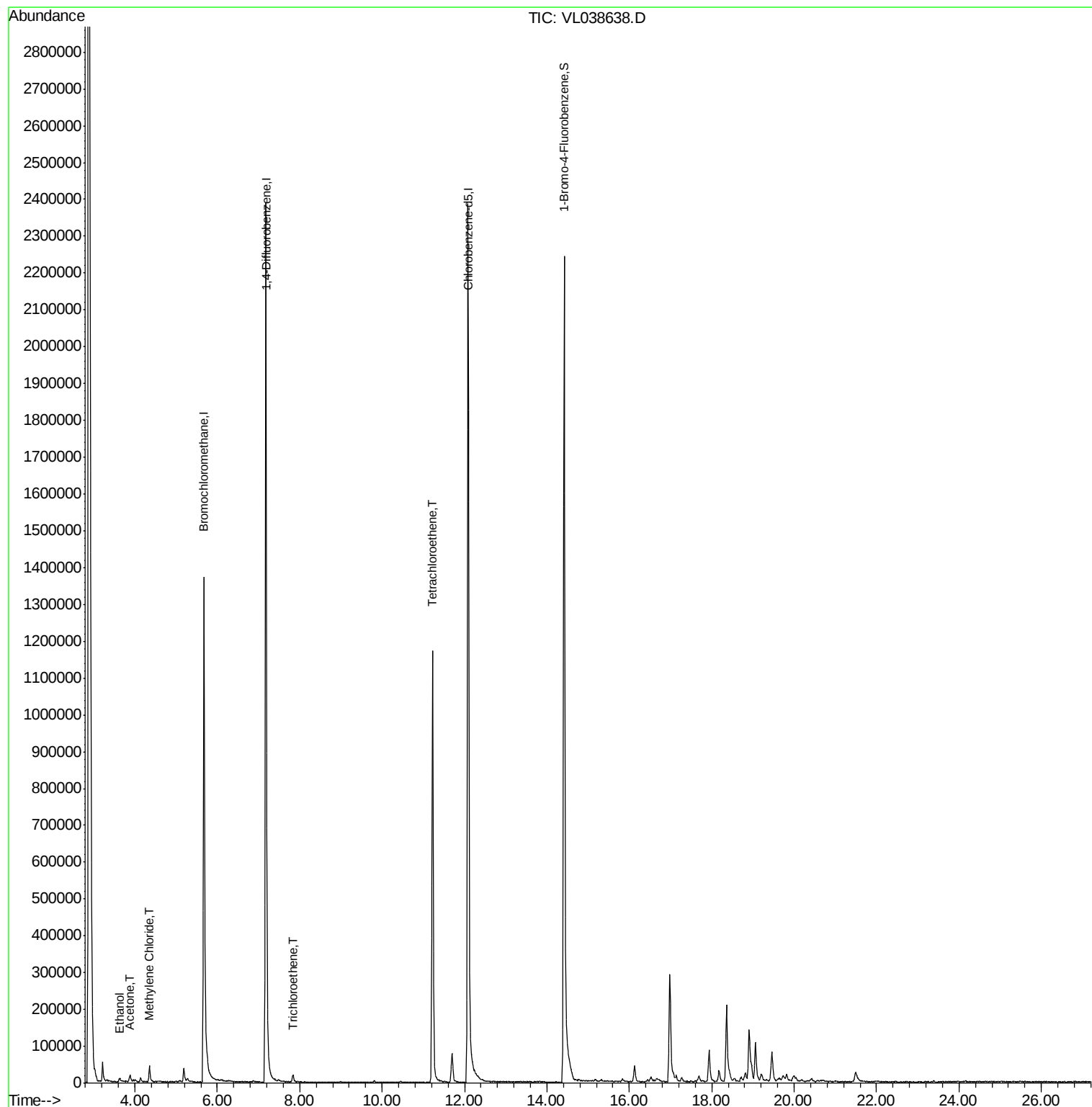
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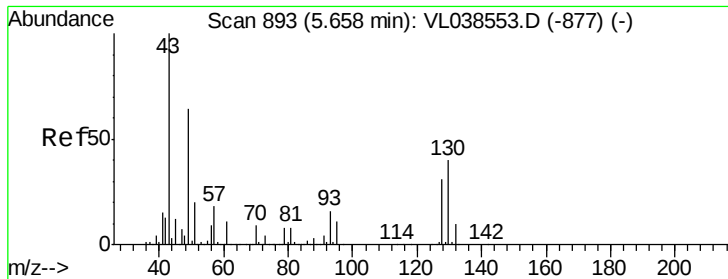
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Tue Mar 08 21:18:44 2022

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 23:04 C0PA4DL

Tot Ion:

Ion Ratio

49 100

128 53.

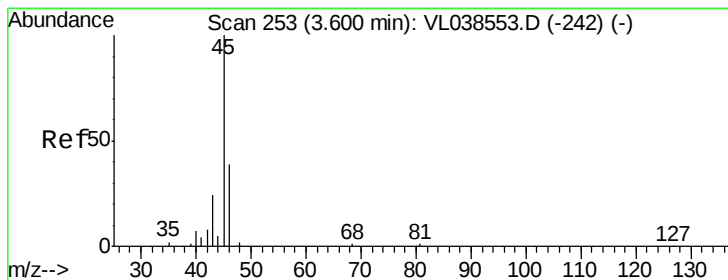
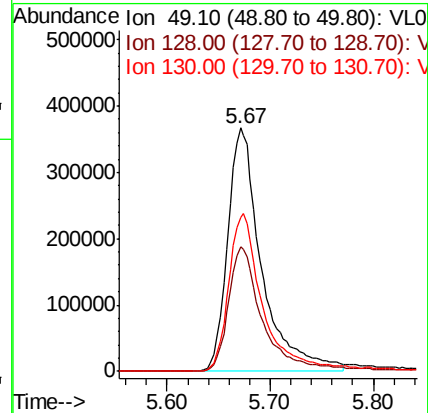
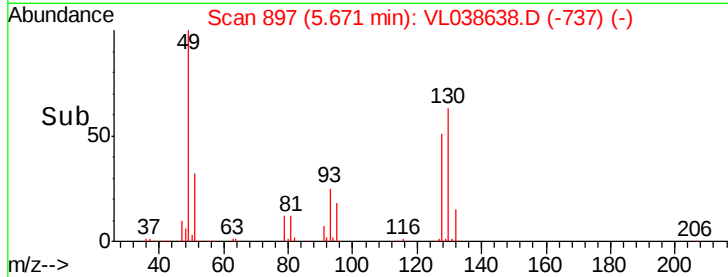
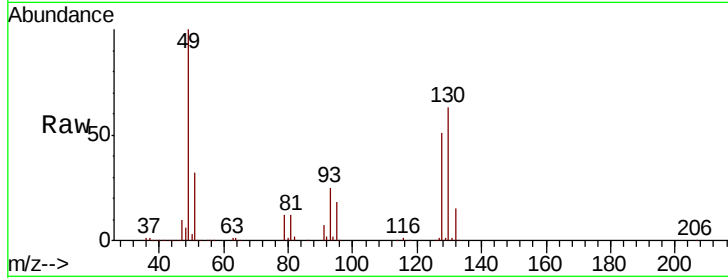
130 67.

Manual Integrations

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#13

Ethanol

Concen: 1.939 ppbv m

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL038638.D

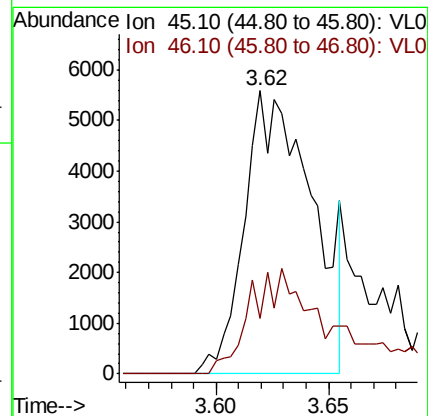
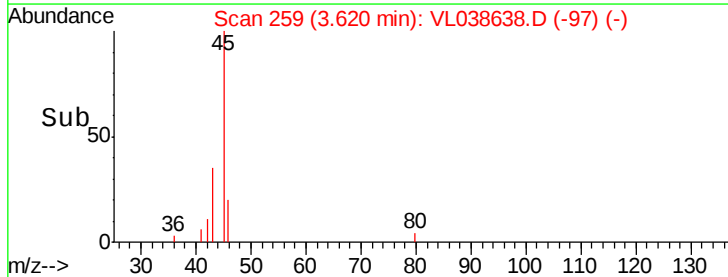
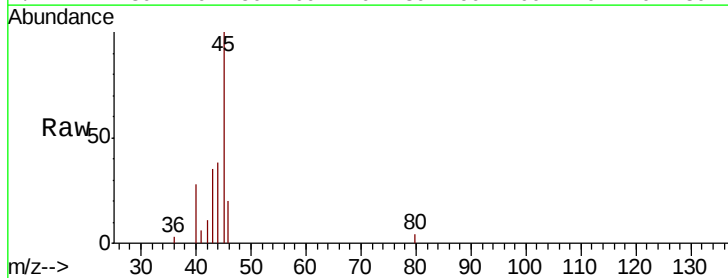
Acq: 17 Mar 2022 23:04

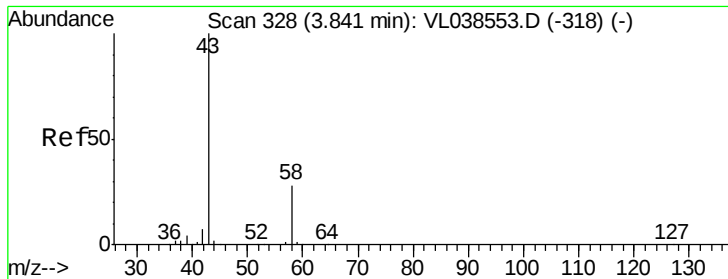
Tgt Ion: 45 Resp: 11669

Ion Ratio Lower Upper

45 100

46 0.0 16.8 67.0#





#15

Acetone

Concen: 0.397 ppbv m

RT: 3.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 23:04

Tot Ion:

Ion Ratio

43 100

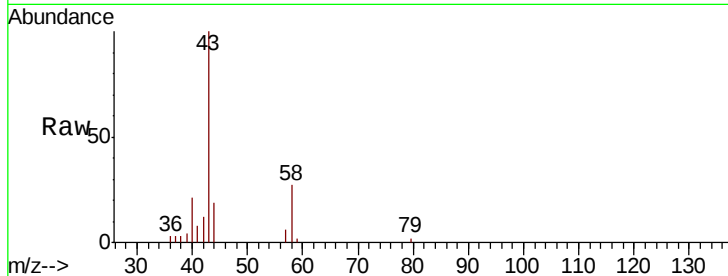
58 0.

Manual Integrations

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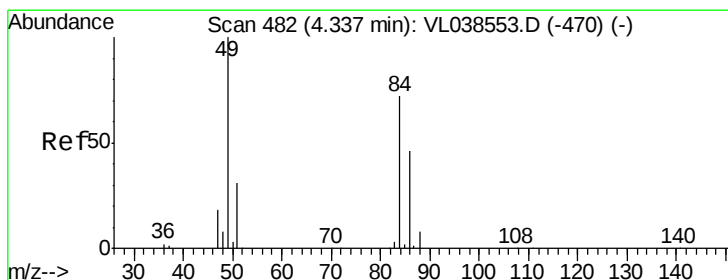
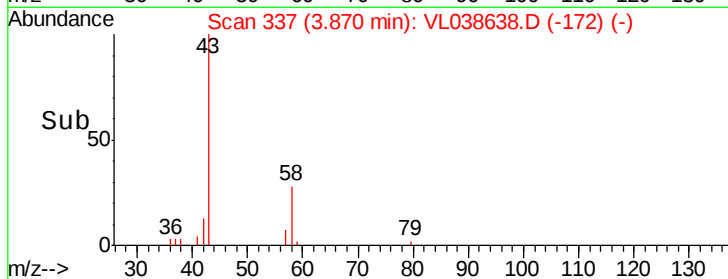
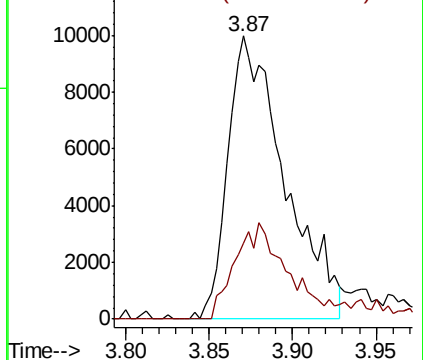
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.492 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.02 min

Lab File: VL038638.D

Acq: 17 Mar 2022 23:04

Tgt Ion: 84 Resp: 17573

Ion Ratio Lower Upper

84 100

49 121.7 111.1 166.7

51 43.9 34.0 51.0

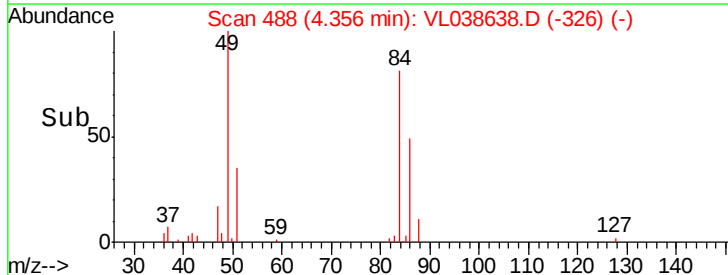
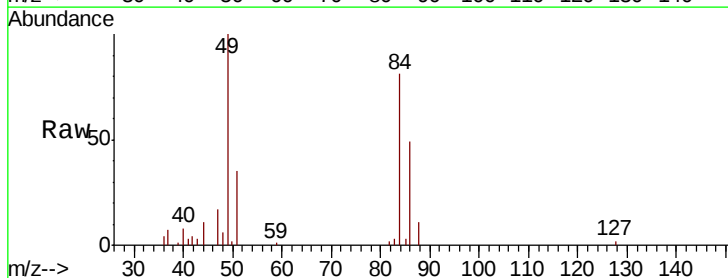
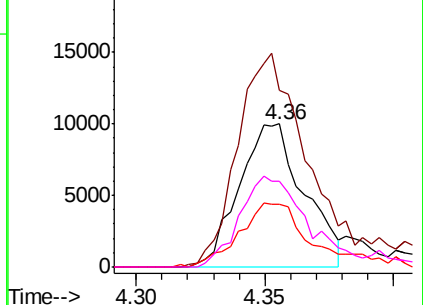
86 60.3 50.9 76.3

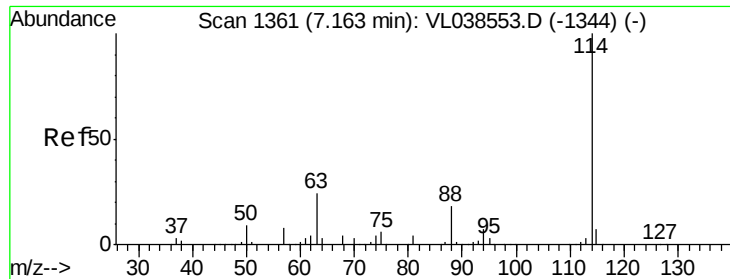
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 23:04

Tot Ion:1

Ion Rati

114 100

63 23.

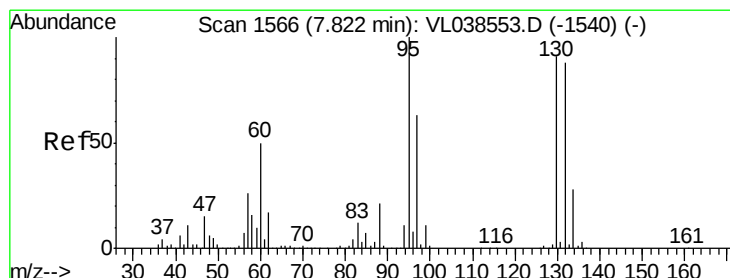
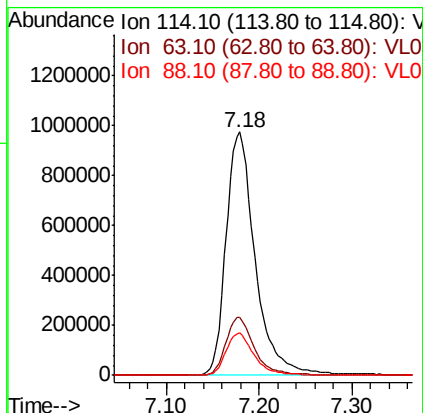
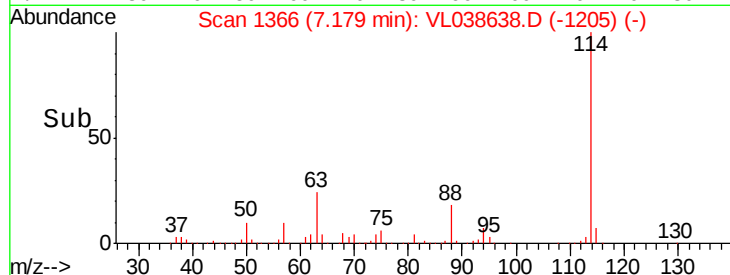
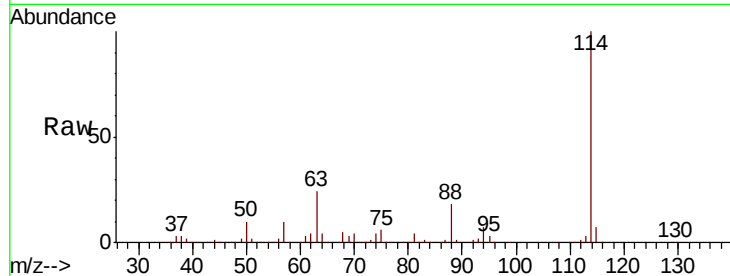
88 17.

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#38

Trichloroethene

Concen: 0.097 ppbv m

RT: 7.83 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VL038638.D

Acq: 17 Mar 2022 23:04

Tgt Ion:130 Resp: 7422

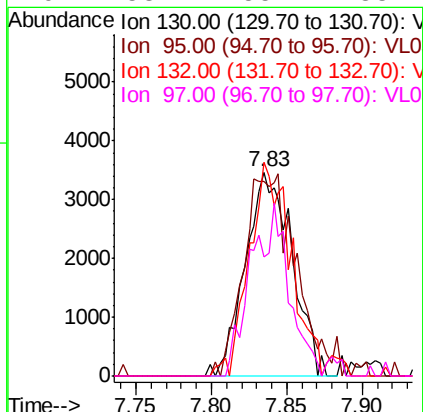
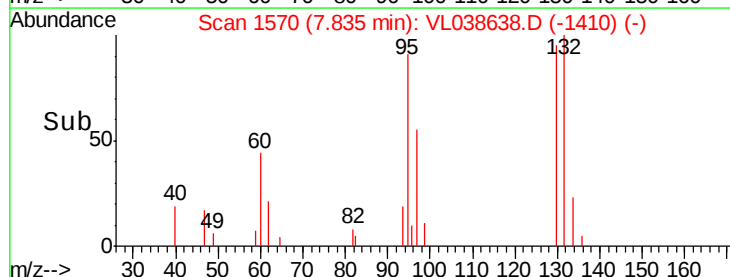
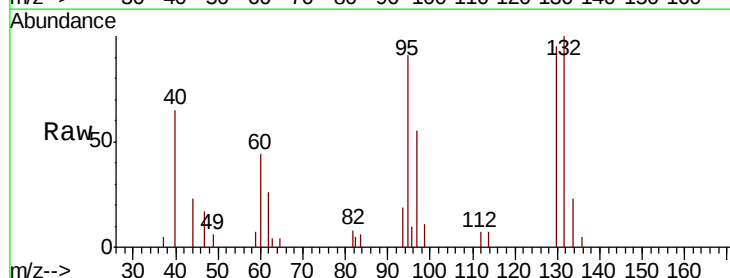
Ion Ratio Lower Upper

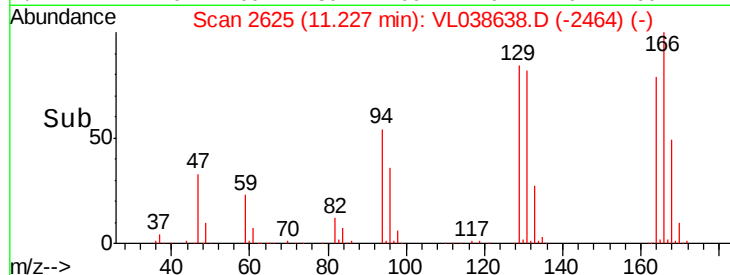
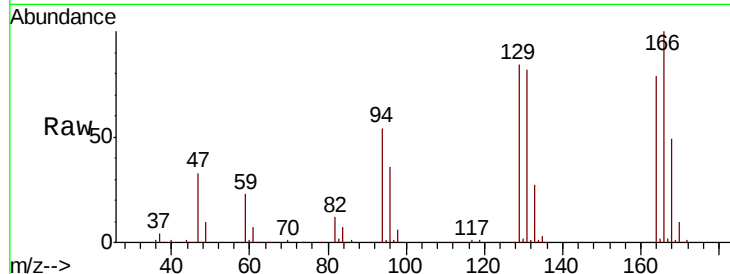
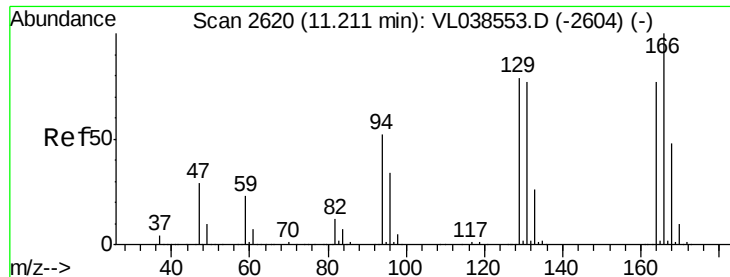
130 100

95 95.8 87.8 131.8

132 104.9 77.5 116.3

97 58.2 55.4 83.2



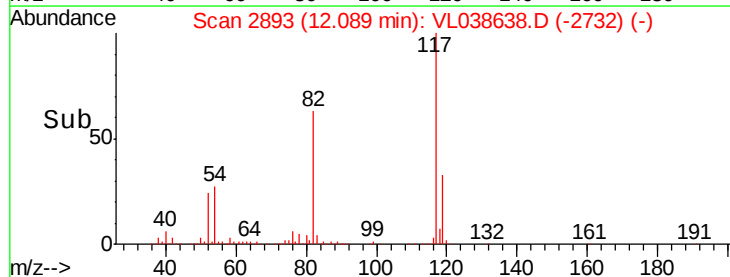
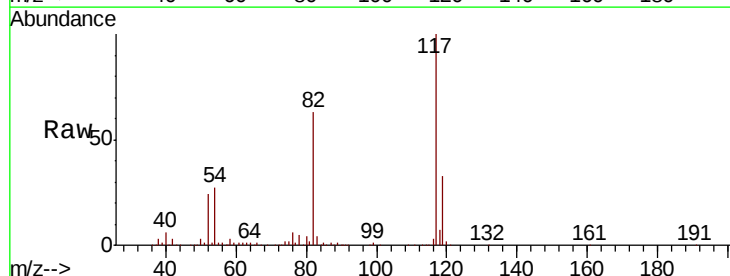
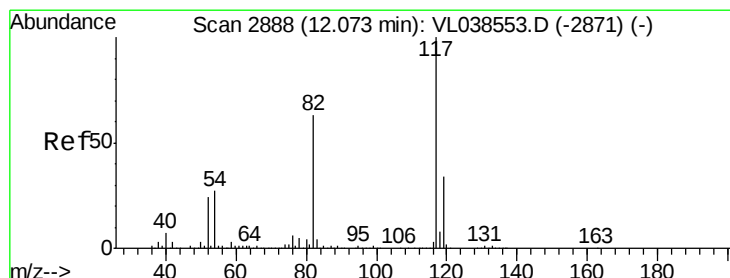
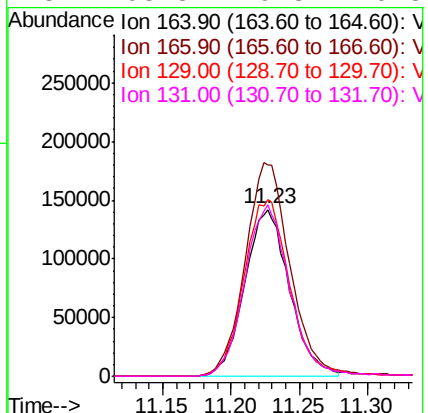


#52
Tetrachloroethene
Concen: 4.584 ppbv
RT: 11.23 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 17 Mar 2022 23:04

Tot Ion:1
Ion Ratio
164 100
166 126.
129 106.
131 103.3 79.8 119.8

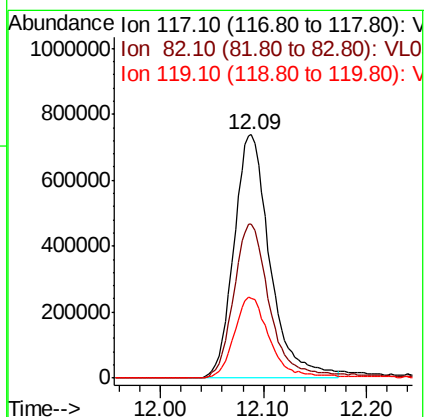
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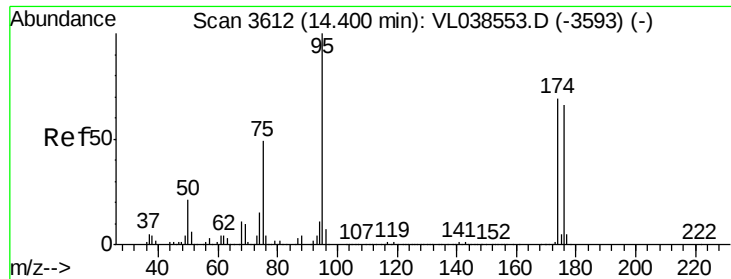
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T.: 0.02 min
Lab File: VL038638.D
Acq: 17 Mar 2022 23:04

Tgt Ion:117 Resp: 1802869
Ion Ratio Lower Upper
117 100
82 65.6 52.5 78.7
119 34.5 46.4 69.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.965 ppbv
 RT: 14.42
 Delta R.T
 Lab File: C0PA4DL
 Acq: 17 Mar 2022 23:04

Tot Ion:
 Ion Rati
 95 100
 174 74.
 175 5.

Manual Integrations
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