

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036492.D
 Acq On : 25 Mar 2021 18:44
 Operator : SY/AP
 Sample : M1748-32DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 UP-SG-3(2021)DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/26/2021
 Supervised By : Mahesh Dadoda 03/29/2021

Quant Time: Mar 28 23:28:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1498021	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3526338	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3079376	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2345700	9.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	56135m	5.283	ppbv	
15) Acetone	3.85	43	282632	1.917	ppbv #	89
20) Methylene Chloride	4.34	84	169427	2.454	ppbv	93
26) Hexane	5.69	57	199654	1.227	ppbv #	46
52) Tetrachloroethene	11.23	164	33497m	0.280	ppbv	

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

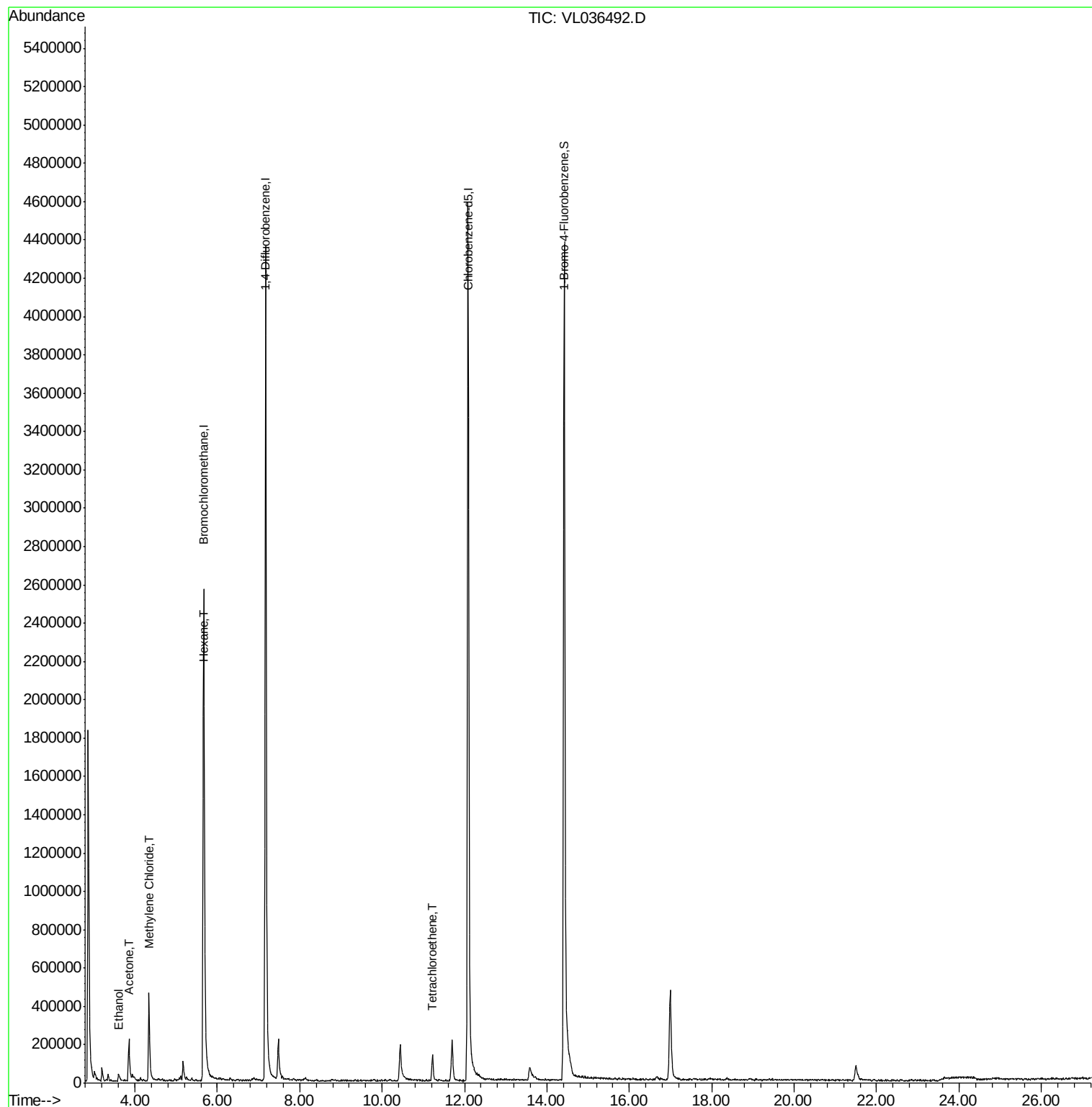
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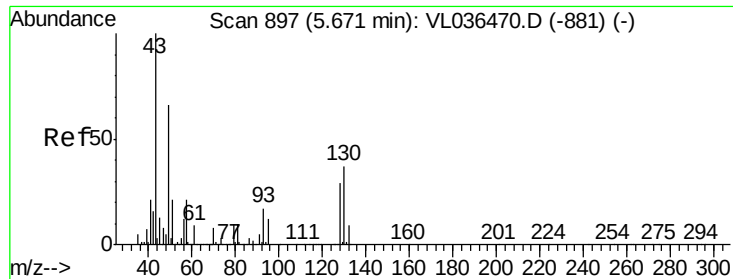
Instrument :
MSVOA_L
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

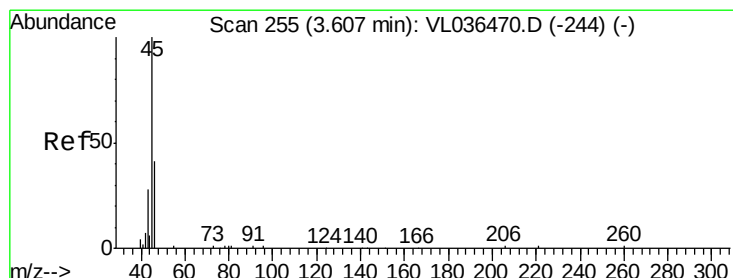
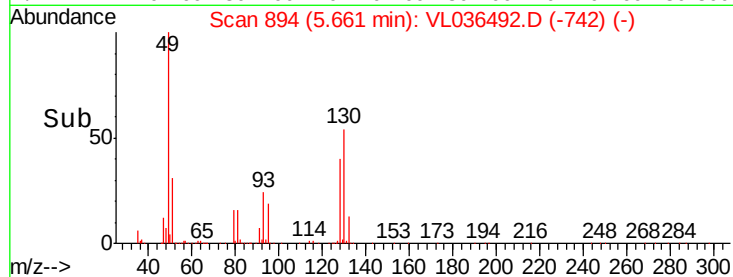
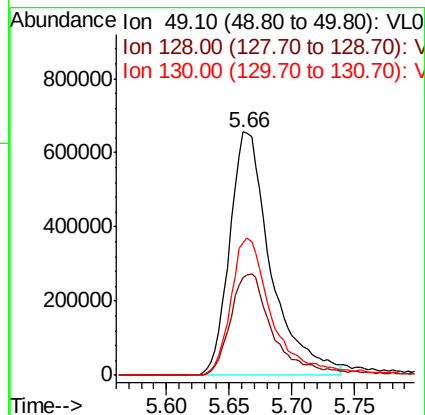
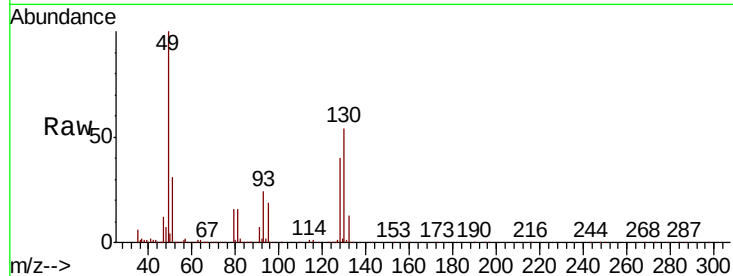
Lab File: UP-SG-3(2021)DL

Acq: 25 Mar 2021 18:44

Tot Ion:
Ion Ratio
49 100
128 44.
130 58.

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#13

Ethanol

Concen: 5.283 ppbv m

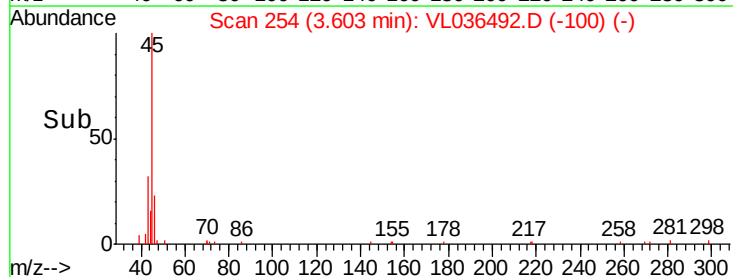
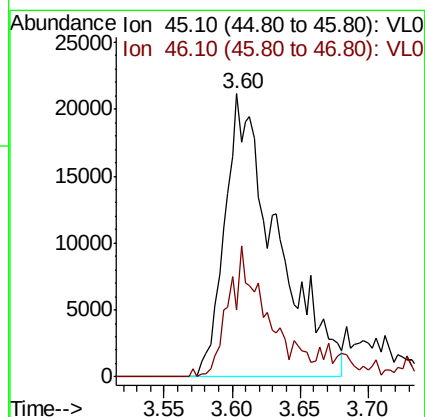
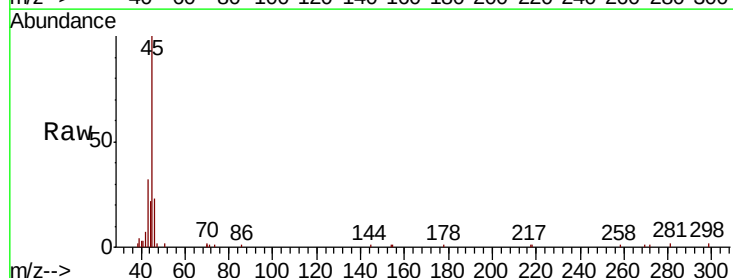
RT: 3.60 min Scan# 254

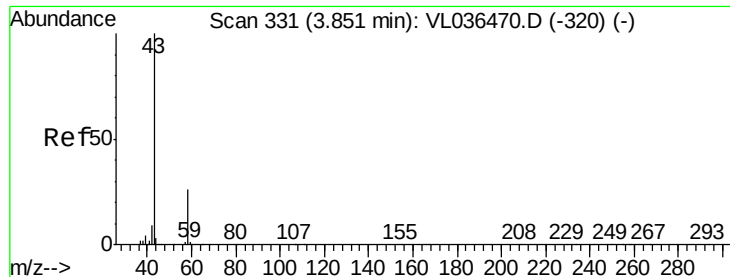
Delta R.T. -0.00 min

Lab File: VL036492.D

Acq: 25 Mar 2021 18:44

Tgt Ion: 45 Resp: 56135
Ion Ratio Lower Upper
45 100
46 34.4 16.6 66.2





#15

Acetone

Concen: 1.917 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 18:44 UP-SG-3(2021)DL

Tot Ion:

Ion Ratio

43 100

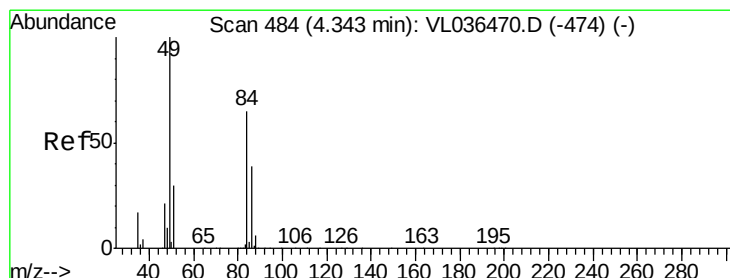
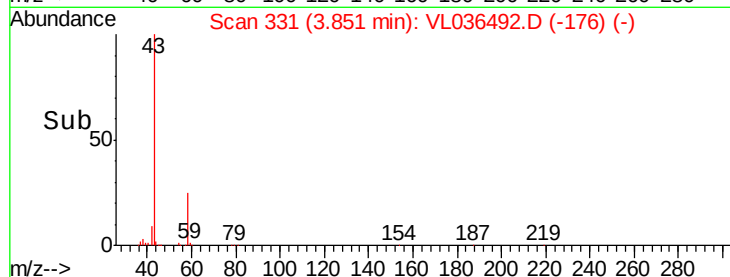
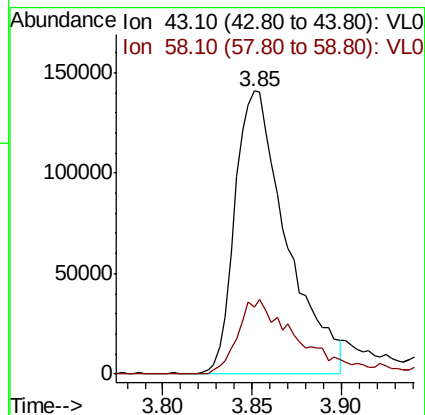
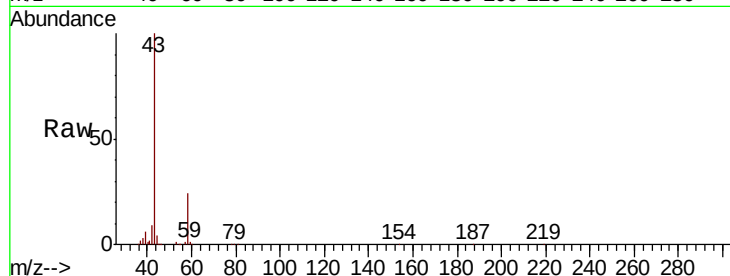
58 32.

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#20

Methylene Chloride

Concen: 2.454 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036492.D

Acq: 25 Mar 2021 18:44

Tgt Ion: 84 Resp: 169427

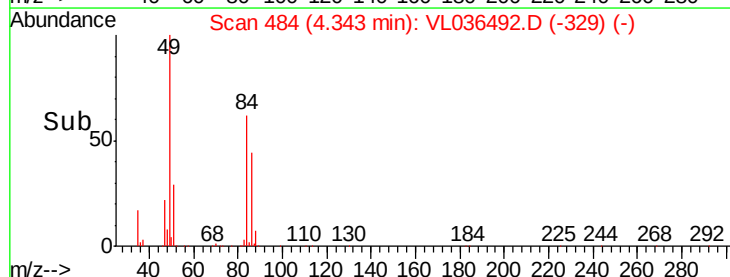
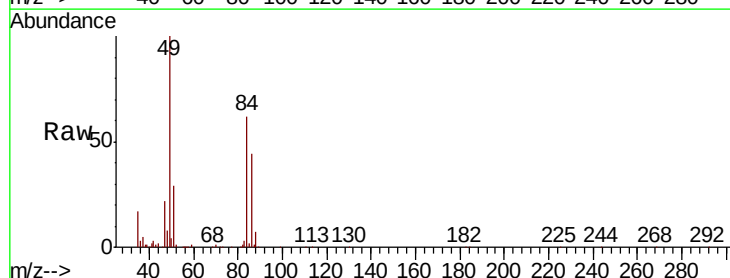
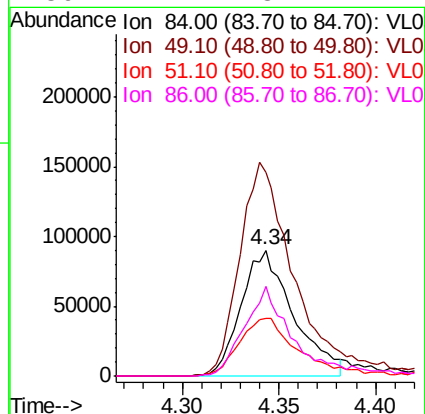
Ion Ratio Lower Upper

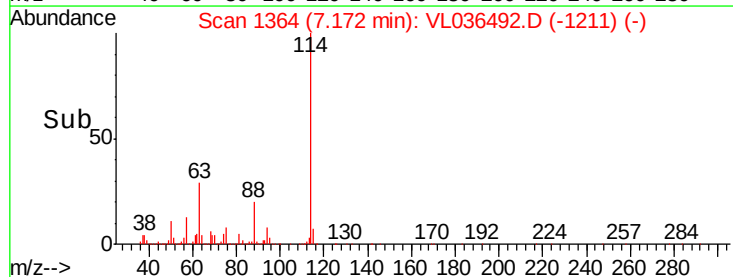
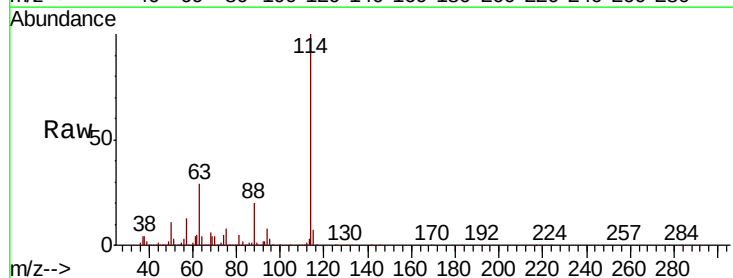
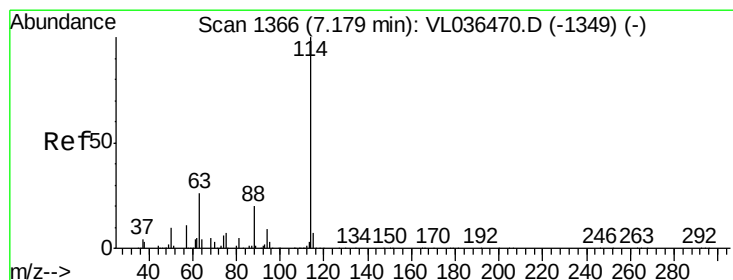
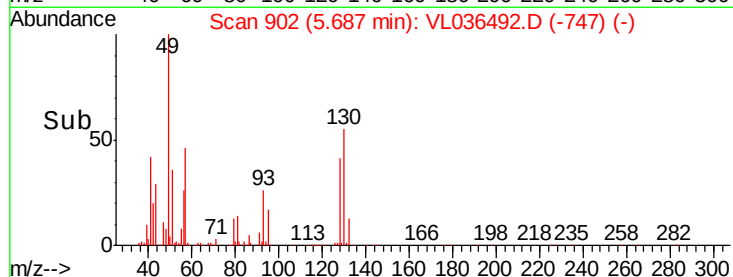
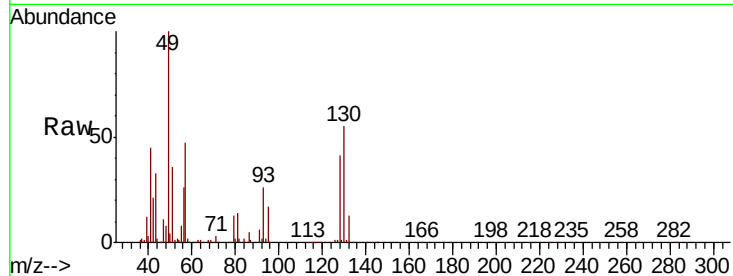
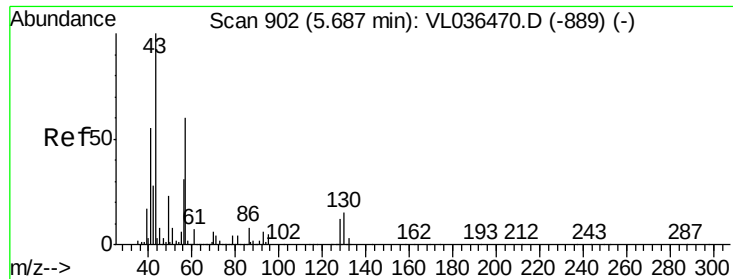
84 100

49 161.2 122.9 184.3

51 46.3 36.9 55.3

86 71.4 48.2 72.4





#26

Hexane

Concen: 1.227 ppbv

RT: 5.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 18:44

Tot Ion:

Ion Ratio

57 100

41 105.

43 80.

56 60.0

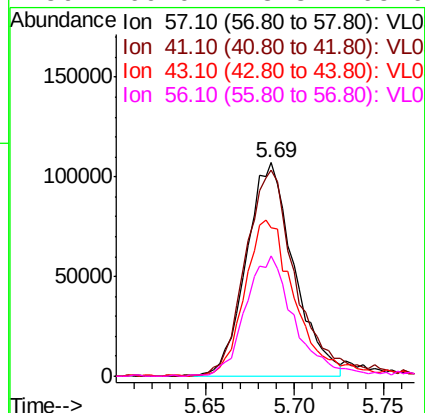
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43.8 65.6



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL036492.D

Acq: 25 Mar 2021 18:44

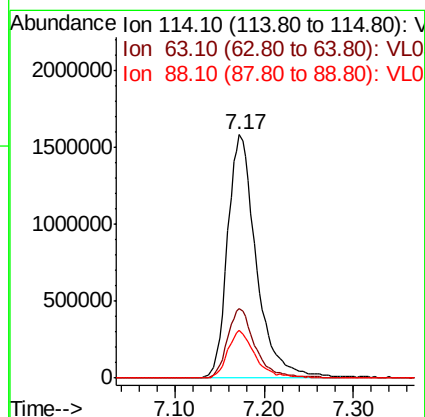
Tgt Ion:114 Resp: 3526338

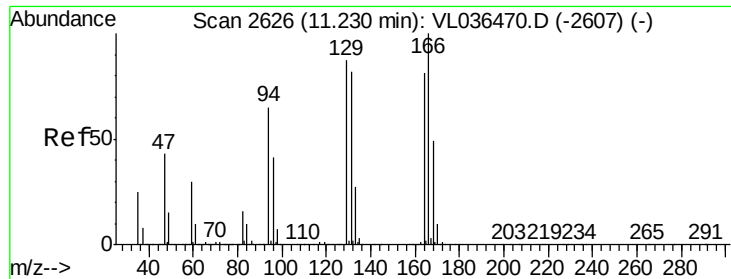
Ion Ratio Lower Upper

114 100

63 28.0 22.4 33.6

88 19.1 15.4 23.0





#52

Tetrachloroethene

Concen: 0.280 ppbv m

RT: 11.23

Delta R.T. MSVOA_L

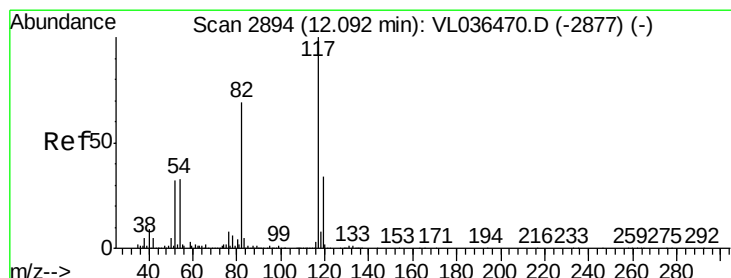
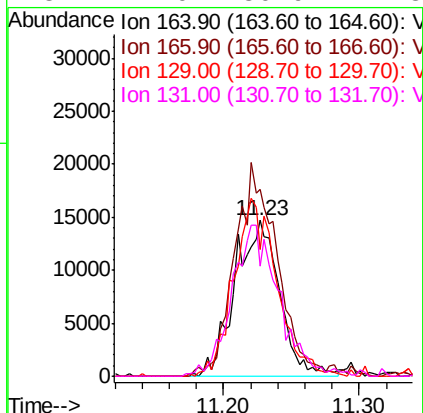
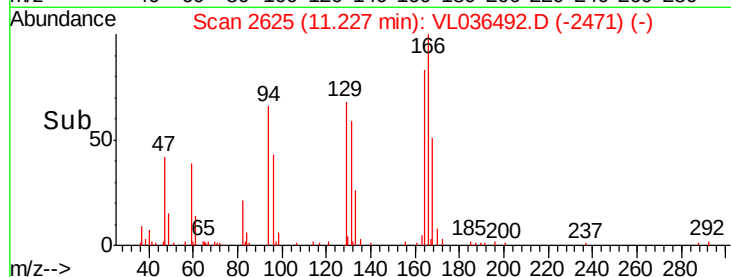
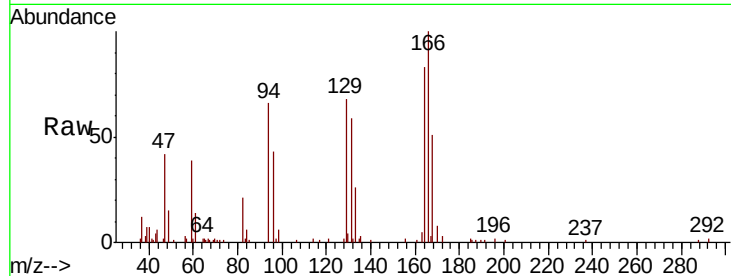
Lab File: ClientSampleId :

Acq: 25 Mar 2021 18:44

Tot Ion:1
Ion Ratio
164 100
166 120.
129 81.
131 71.0 80.9 121.3#

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Supervised By :Mahesh Dadoda 03/29/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

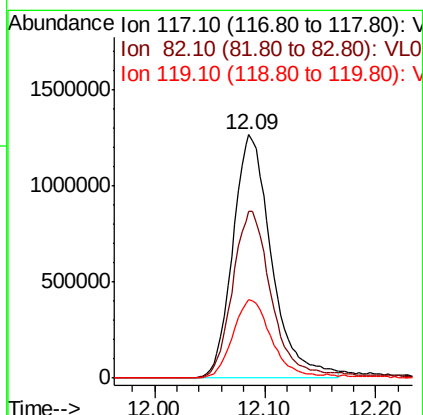
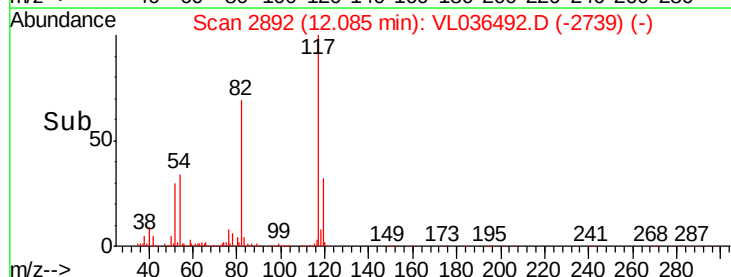
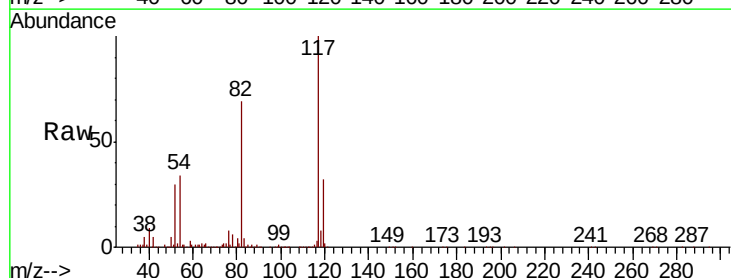
RT: 12.09 min Scan# 2892

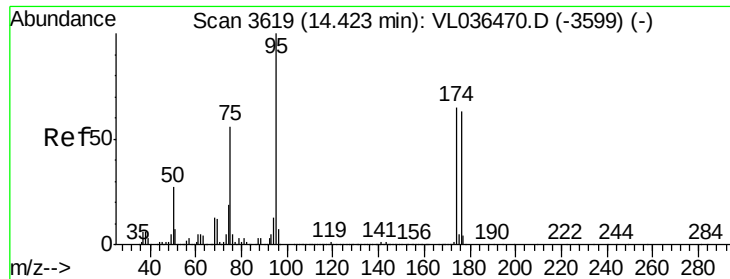
Delta R.T. -0.01 min

Lab File: VL036492.D

Acq: 25 Mar 2021 18:44

Tgt Ion:117 Resp: 3079376
Ion Ratio Lower Upper
117 100
82 71.8 57.4 86.0
119 33.8 47.4 71.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.558 ppbv
 RT: 14.42
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 UP-SG-3(2021)DL
 Acq: 25 Mar 2021 10.44

Tot Ion:
 Ion Rati
 95 100
 174 68.
 175 5.

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