

Data File : VL036792.D
Acq On : 12 Apr 2021 16:34
Operator : SY/AP
Sample : M1877-08DL2 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-5(2021)DL2

Quant Time: Apr 12 18:44:33 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
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	5.68	49	1416551	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3339077	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2676473	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1711664	8.02	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.20%

Target Compounds						Qvalue
9) Propene	3.37	41	5099	0.060	ppbv	87
13) Ethanol	3.63	45	8966	0.892	ppbv #	34
15) Acetone	3.87	43	287487	2.062	ppbv	93
19) Isopropyl Alcohol	4.01	45	42250	0.551	ppbv #	54
20) Methylene Chloride	4.35	84	89092	1.365	ppbv	94
25) Ethyl Acetate	5.70	43	61509	0.186	ppbv #	91
26) Hexane	5.70	57	60991	0.397	ppbv #	56
39) 1,2-Dichloropropane	7.25	63	11440	0.092	ppbv #	23

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

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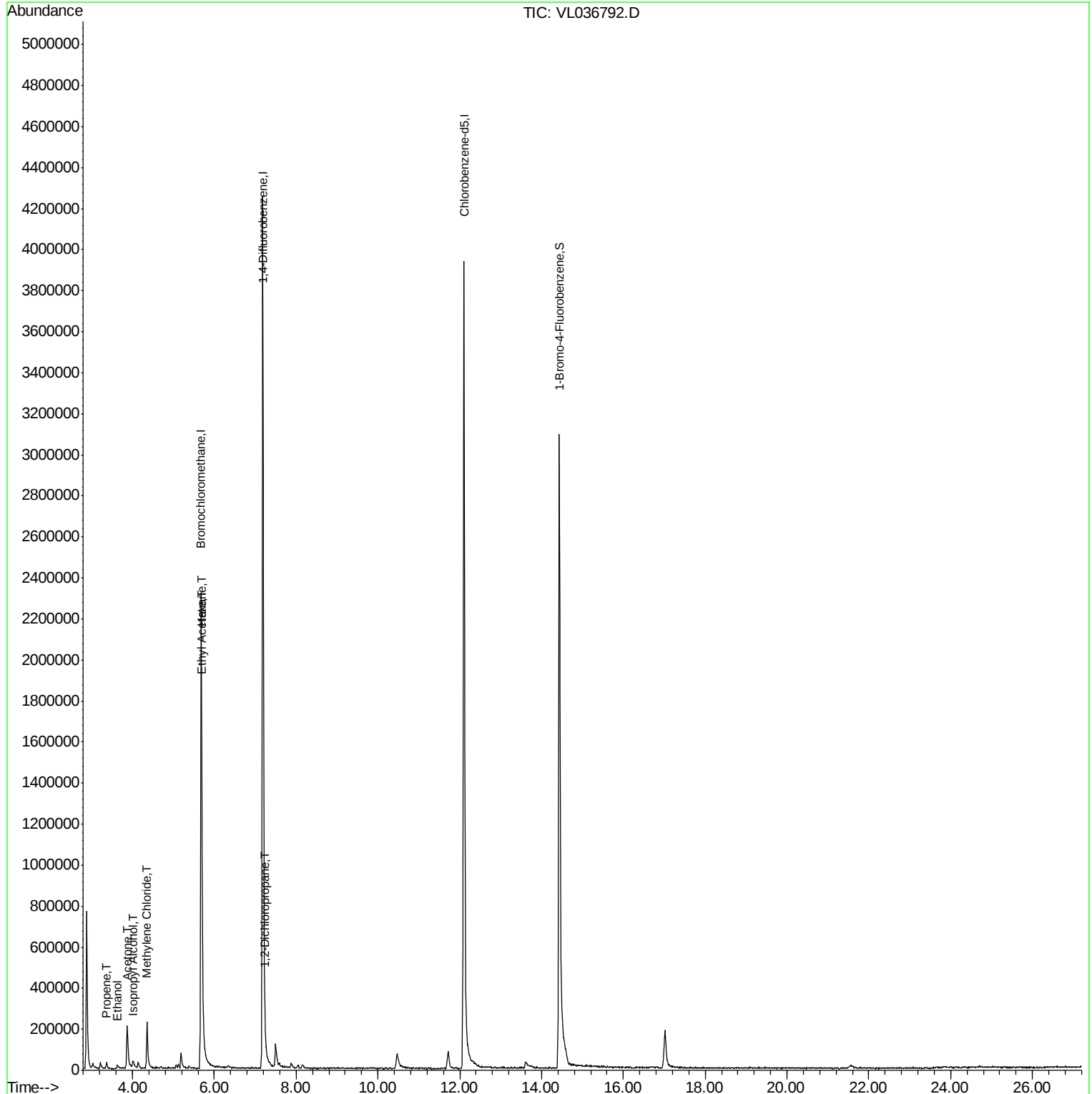
Quant Time: Apr 12 18:44:33 2021

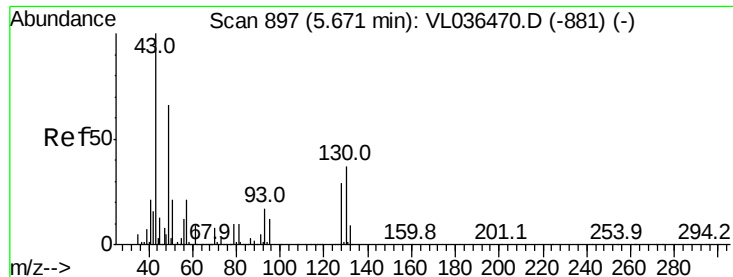
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

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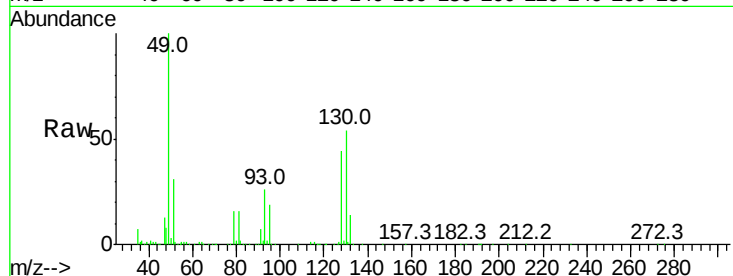
Tgt Ion: 49 Resp: 1416551

Ion Ratio Lower Upper

49 100

128 46.8 23.5 70.6

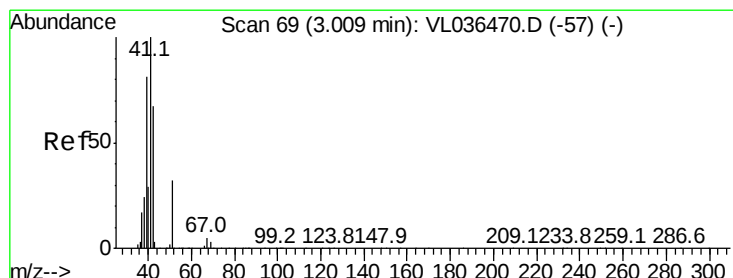
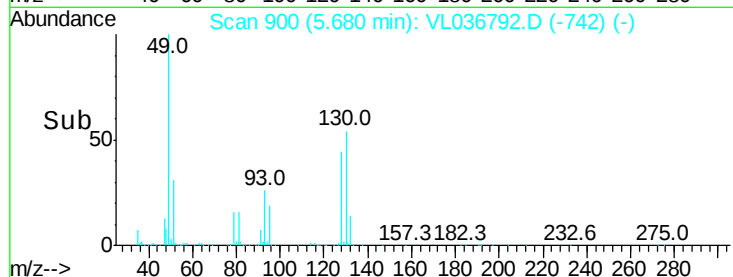
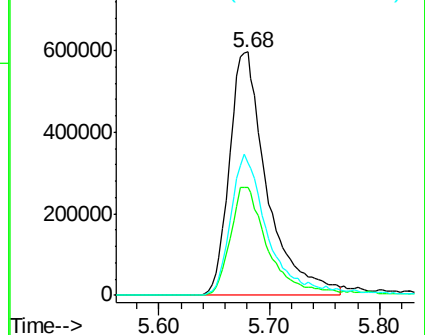
130 59.1 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.060 ppbv

RT: 3.37 min Scan# 180

Delta R.T. 0.36 min

Lab File: VL036792.D

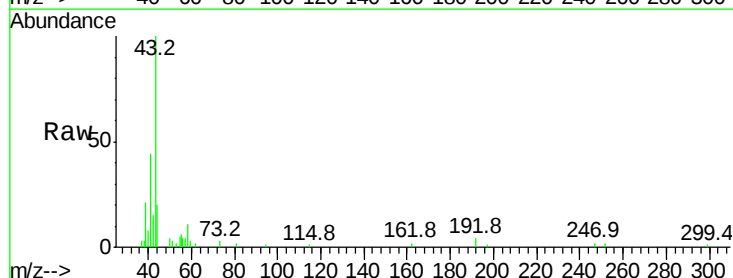
Acq: 12 Apr 2021 16:34

Tgt Ion: 41 Resp: 5099

Ion Ratio Lower Upper

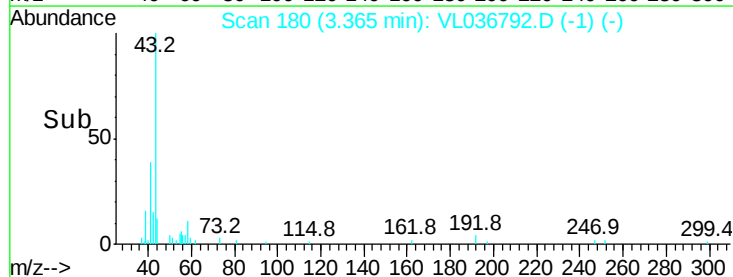
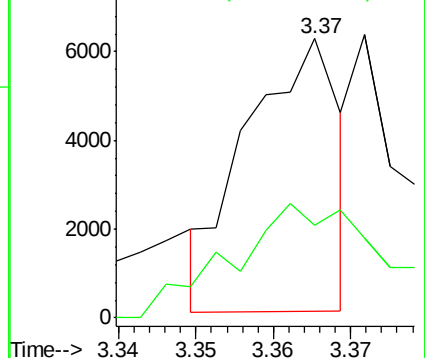
41 100

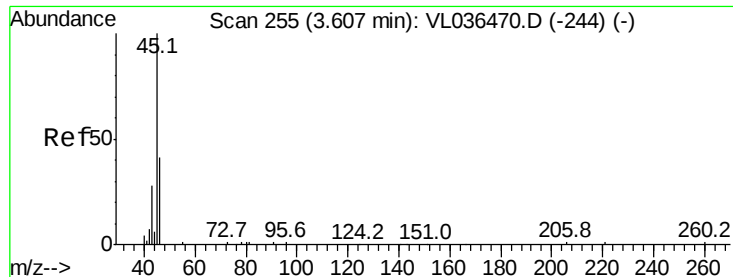
42 82.1 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.892 ppbv

RT: 3.63 min Scan# 262

Delta R.T. 0.02 min

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ClientSampleId :

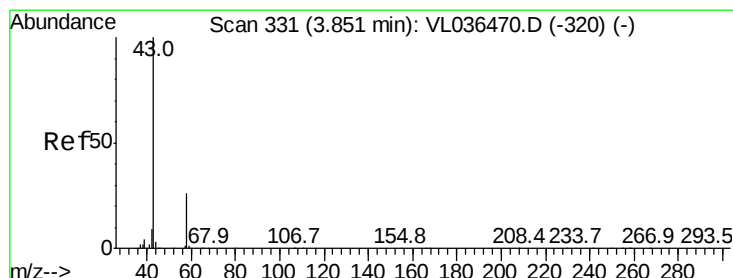
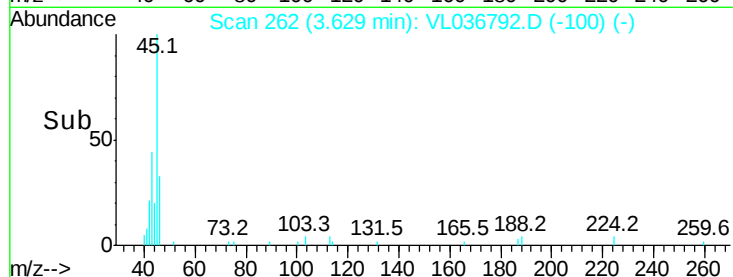
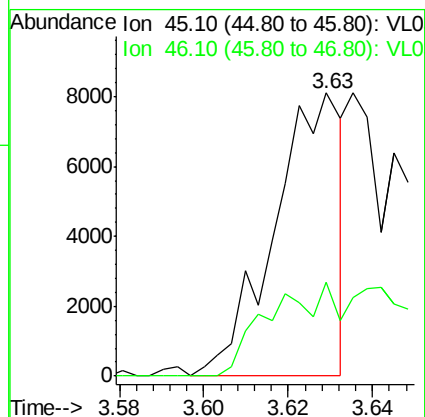
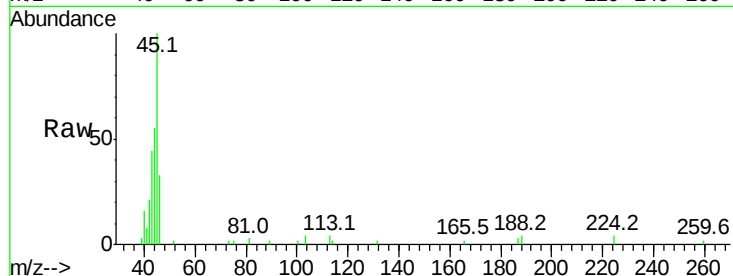
UP-SG-5(2021)DL2

Tgt Ion: 45 Resp: 8966

Ion Ratio Lower Upper

45 100

46 0.0 16.6 66.2#



#15

Acetone

Concen: 2.062 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL036792.D

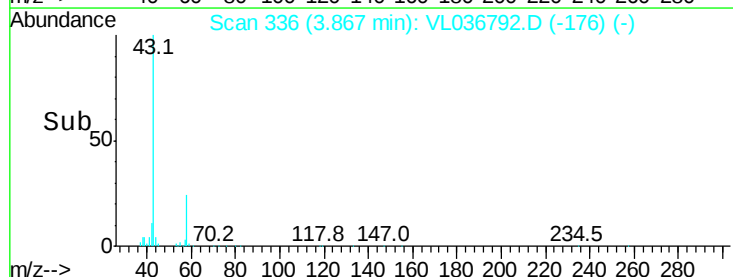
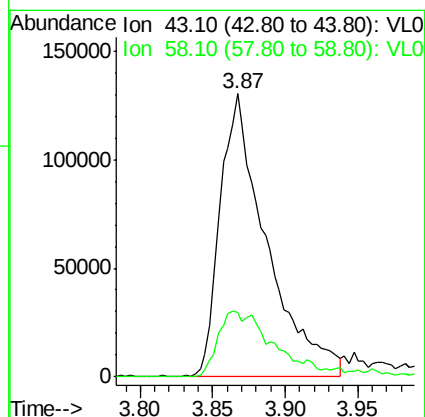
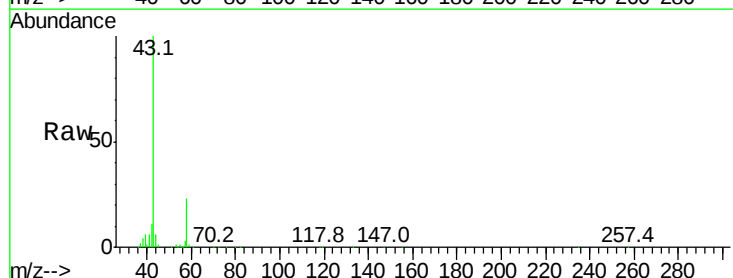
Acq: 12 Apr 2021 16:34

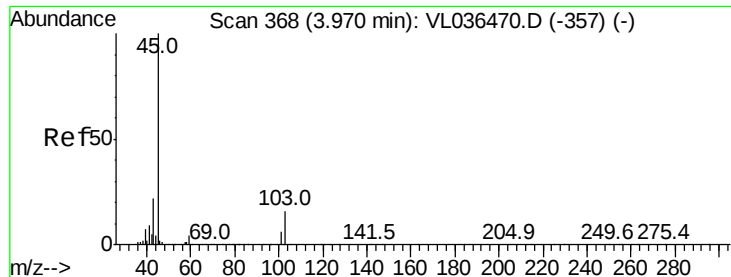
Tgt Ion: 43 Resp: 287487

Ion Ratio Lower Upper

43 100

58 30.3 21.2 31.8





#19

Isopropyl Alcohol

Concen: 0.551 ppbv

RT: 4.01 min Scan# 382

Delta R.T. 0.04 min

Lab File: VL036792.D

Acq: 12 Apr 2021 16:34

Instrument :

MSVOA_L

ClientSampleId :

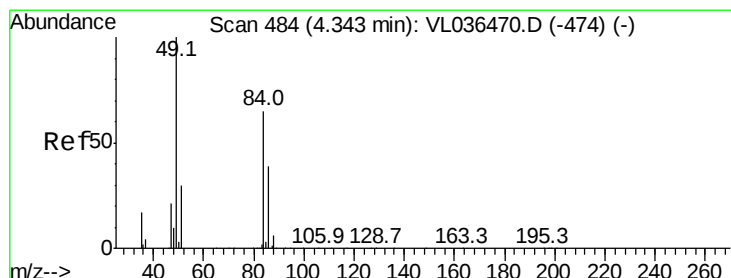
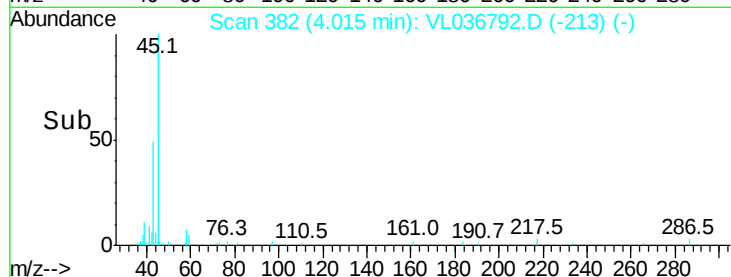
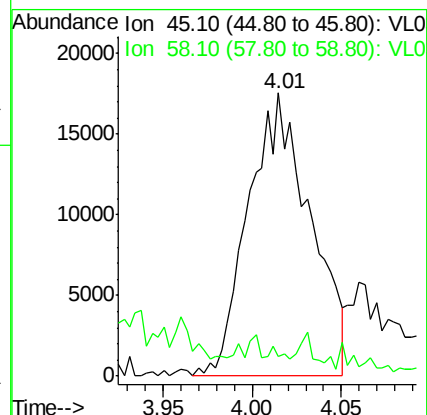
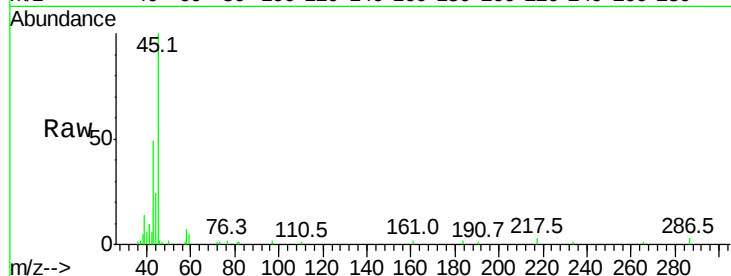
UP-SG-5(2021)DL2

Tgt Ion: 45 Resp: 42250

Ion Ratio Lower Upper

45 100

58 18.7 2.9 4.3#



#20

Methylene Chloride

Concen: 1.365 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL036792.D

Acq: 12 Apr 2021 16:34

Tgt Ion: 84 Resp: 89092

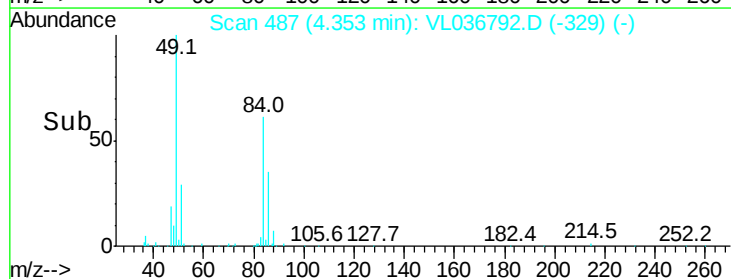
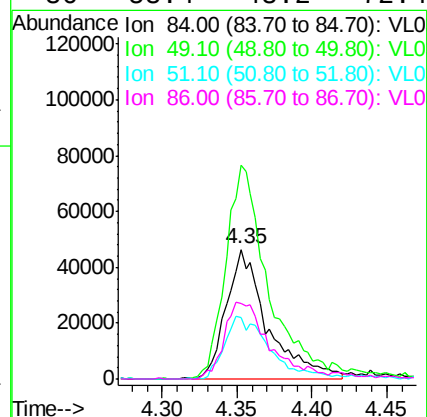
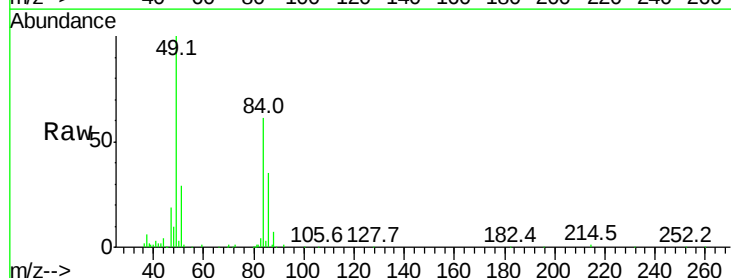
Ion Ratio Lower Upper

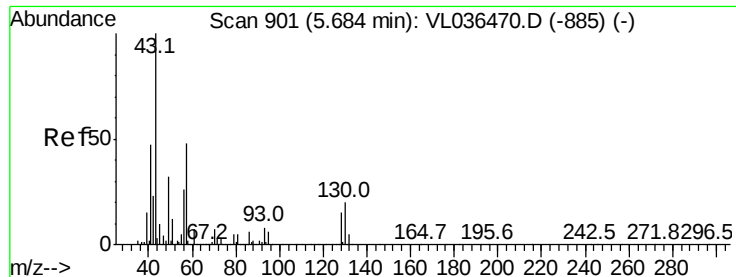
84 100

49 164.2 122.9 184.3

51 47.4 36.9 55.3

86 58.4 48.2 72.4

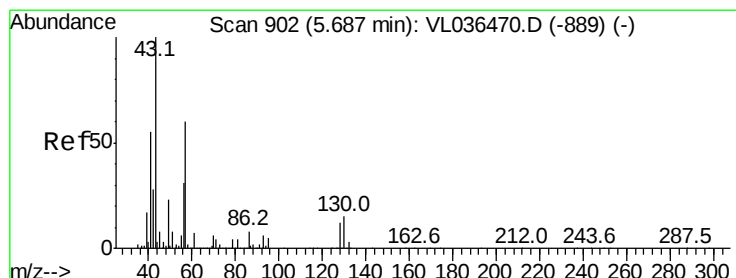
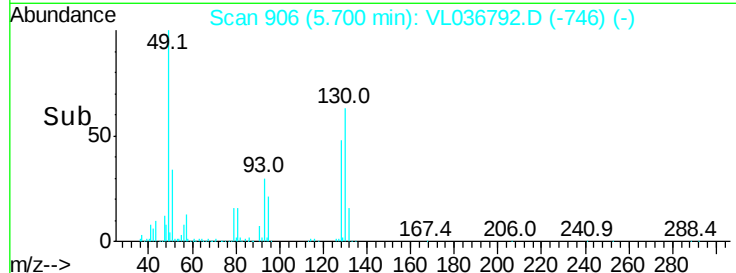
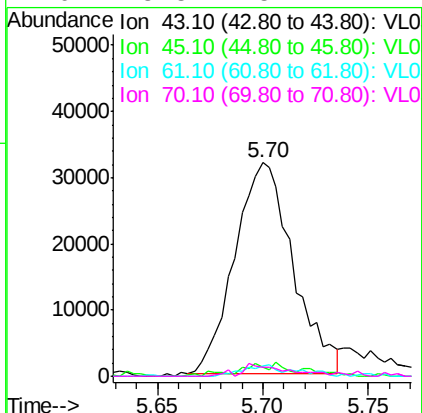
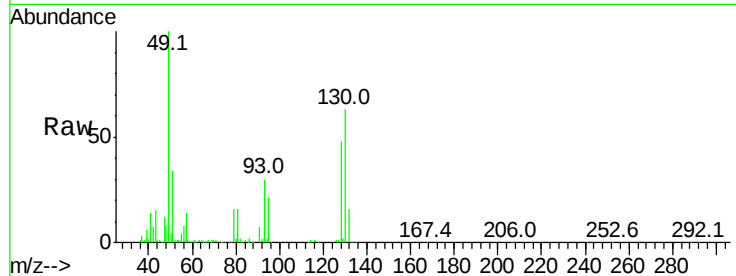




#25
Ethyl Acetate
Concen: 0.186 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.02 min
Lab File: VL036792.D
Acq: 12 Apr 2021 16:34

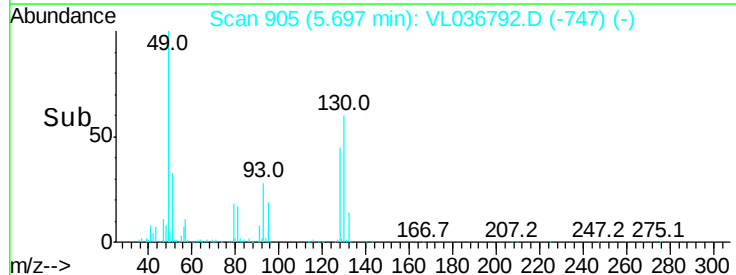
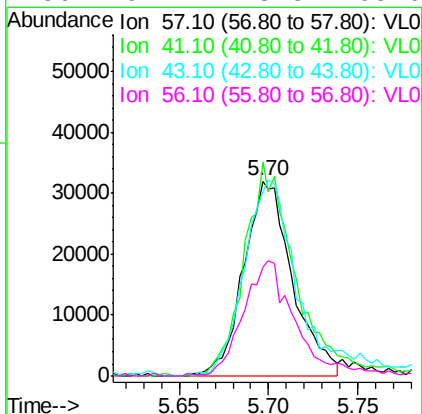
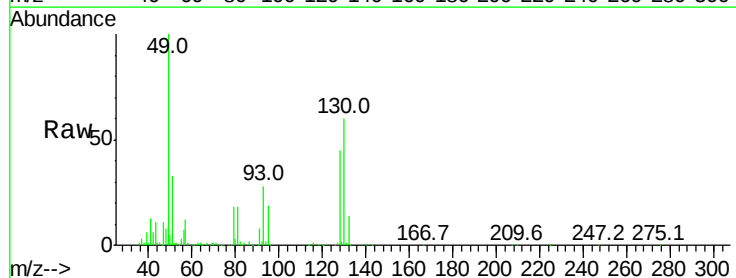
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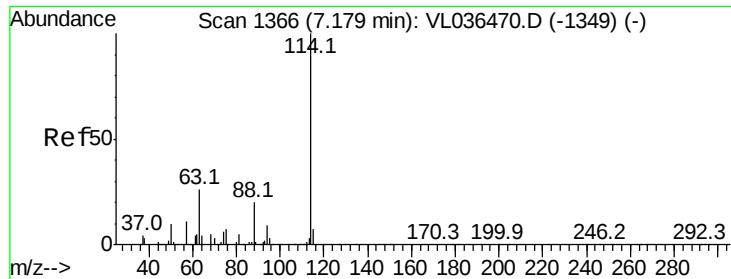
Tgt Ion:	43	Resp:	61509
Ion	Ratio	Lower	Upper
43	100		
45	6.4	7.9	11.9#
61	4.6	7.4	11.2#
70	5.5	5.1	7.7



#26
Hexane
Concen: 0.397 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL036792.D
Acq: 12 Apr 2021 16:34

Tgt Ion:	57	Resp:	60991
Ion	Ratio	Lower	Upper
57	100		
41	119.1	77.2	115.8#
43	118.6	173.8	260.6#
56	64.1	43.8	65.6

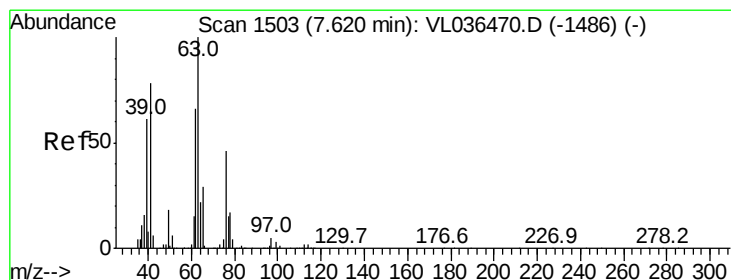
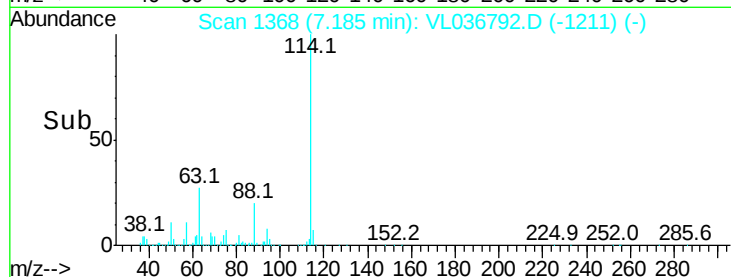
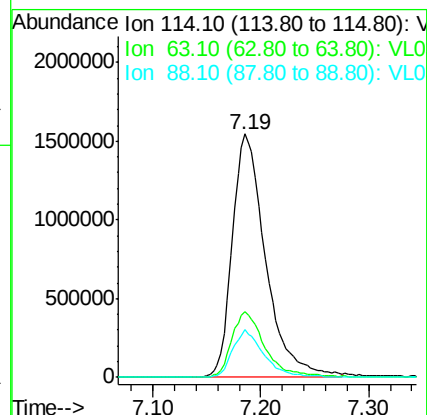
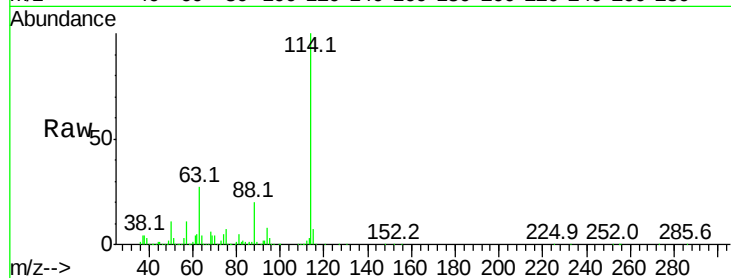




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL036792.D
 Acq: 12 Apr 2021 16:34

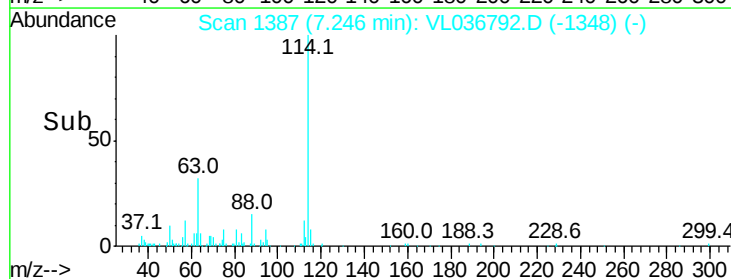
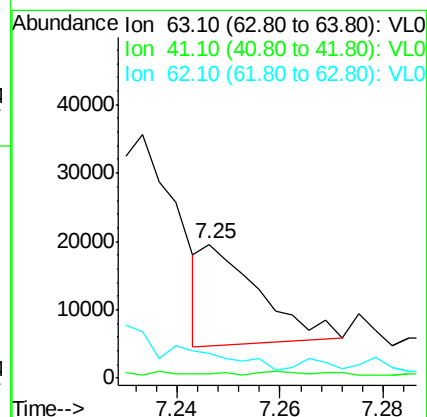
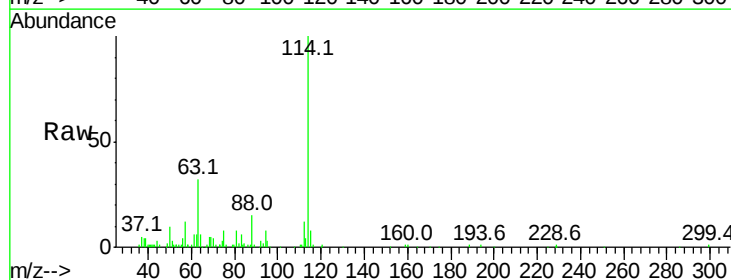
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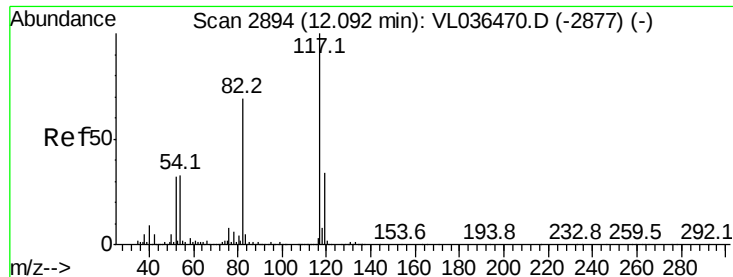
Tgt Ion: 114 Resp: 3339077
 Ion Ratio Lower Upper
 114 100
 63 27.4 22.4 33.6
 88 18.7 15.4 23.0



#39
 1,2-Dichloropropane
 Concen: 0.092 ppbv
 RT: 7.25 min Scan# 1387
 Delta R.T. -0.37 min
 Lab File: VL036792.D
 Acq: 12 Apr 2021 16:34

Tgt Ion: 63 Resp: 11440
 Ion Ratio Lower Upper
 63 100
 41 0.1 62.4 93.6#
 62 15.9 52.8 79.2#

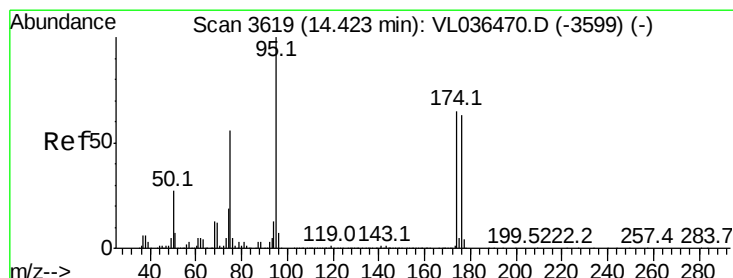
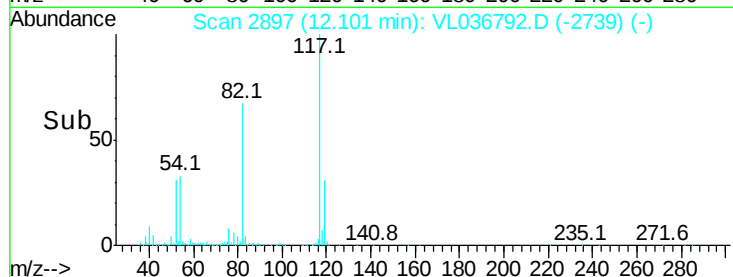
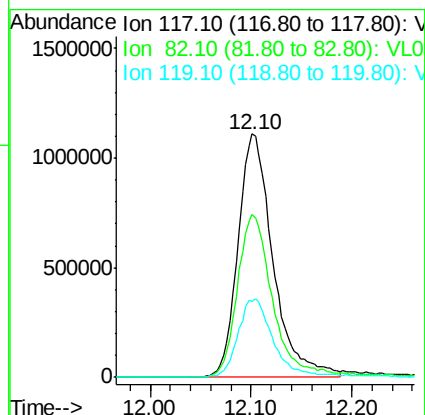
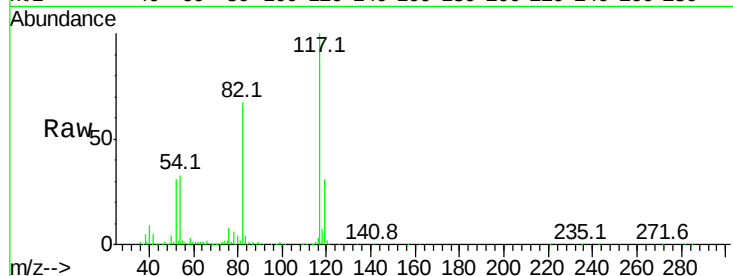




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL036792.D
Acq: 12 Apr 2021 16:34

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-5(2021)DL2

Tgt Ion: 117 Resp: 2676473
Ion Ratio Lower Upper
117 100
82 70.0 57.4 86.0
119 33.5 47.4 71.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 8.024 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. 0.01 min
Lab File: VL036792.D
Acq: 12 Apr 2021 16:34

Tgt Ion: 95 Resp: 1711664
Ion Ratio Lower Upper
95 100
174 63.2 51.0 76.6
175 4.1 3.9 5.9

