

Data File : VL036791.D
Acq On : 12 Apr 2021 15:56
Operator : SY/AP
Sample : M1877-08DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Apr 12 16:40:56 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu 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	1463246	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3464803	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2711208	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1699247	7.86	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.00	51	8445	0.031	ppbv	93
9) Propene	3.03	41	6078	0.070	ppbv #	1
13) Ethanol	3.61	45	31898	3.073	ppbv #	34
15) Acetone	3.86	43	1381950	9.596	ppbv	99
19) Isopropyl Alcohol	3.99	45	114014	1.439	ppbv #	65
20) Methylene Chloride	4.35	84	296865	4.403	ppbv	96
25) Ethyl Acetate	5.70	43	282205	0.824	ppbv #	94
26) Hexane	5.70	57	215763	1.358	ppbv #	68
39) 1,2-Dichloropropane	7.19	63	886757	6.841	ppbv #	24
43) Methyl Methacrylate	8.02	69	11646	0.109	ppbv #	1
44) 2,2,4-Trimethylpentane	7.88	57	70310	0.125	ppbv #	40

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

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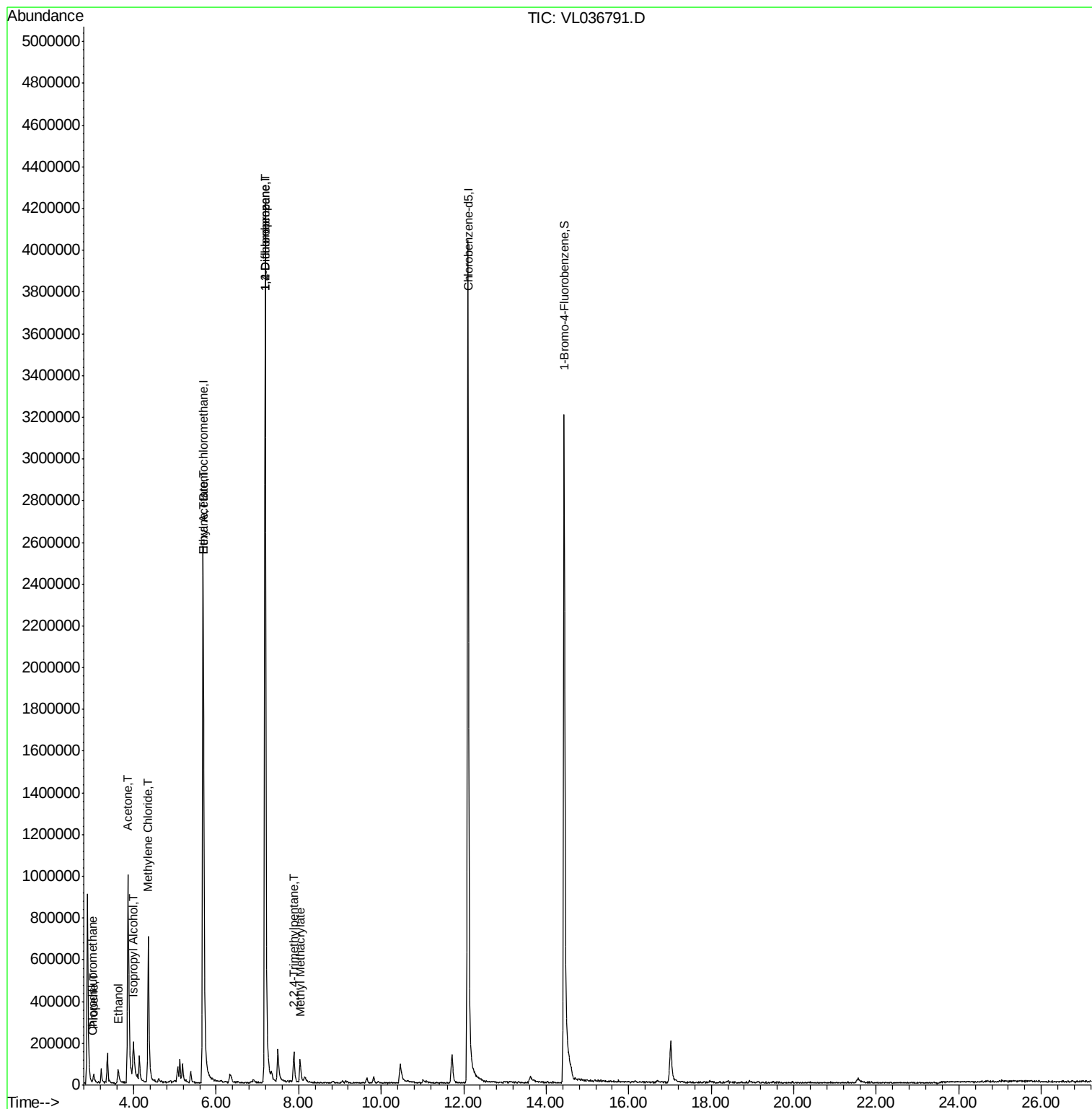
Quant Time: Apr 12 16:40:56 2021

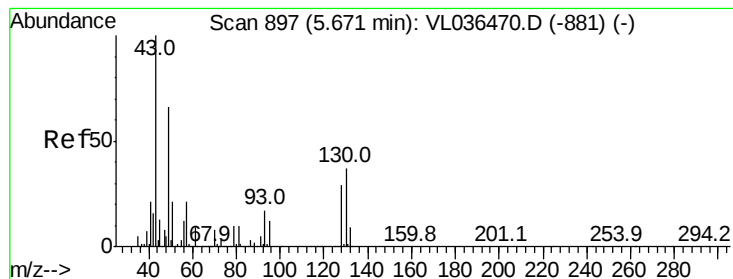
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

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UP-SG-5(2021)DL

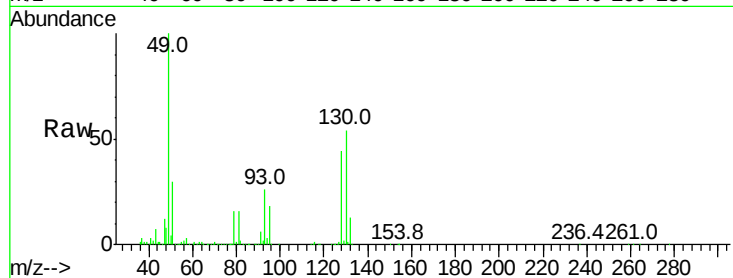
Tgt Ion: 49 Resp: 1463246

Ion Ratio Lower Upper

49 100

128 45.4 23.5 70.6

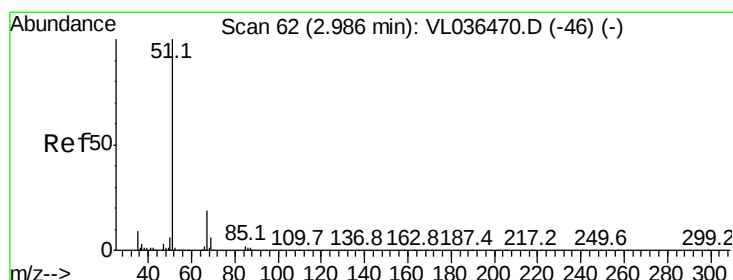
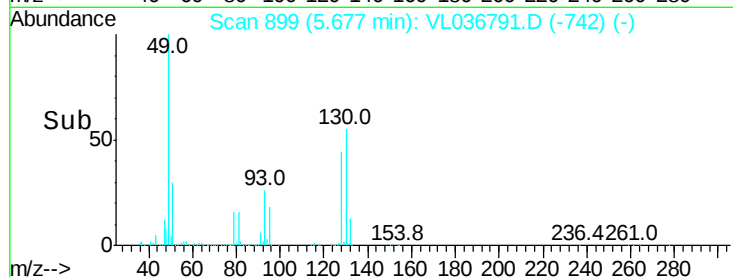
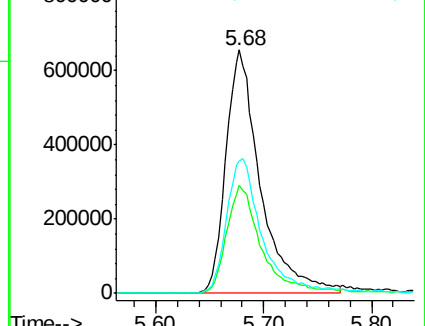
130 58.4 29.1 87.4



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



#3

Chlorodifluoromethane

Concen: 0.031 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.02 min

Lab File: VL036791.D

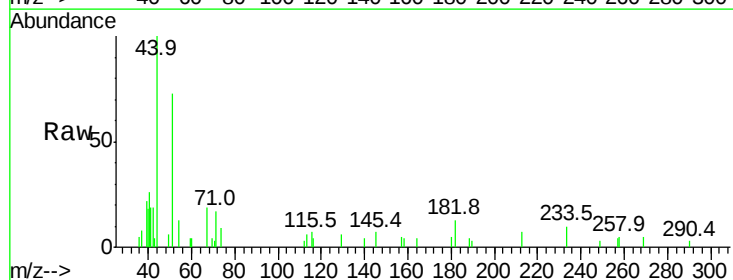
Acq: 12 Apr 2021 15:56

Tgt Ion: 51 Resp: 8445

Ion Ratio Lower Upper

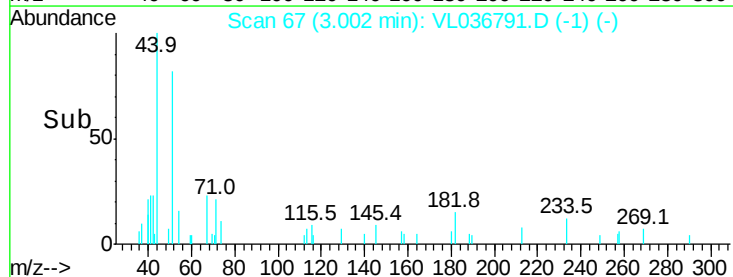
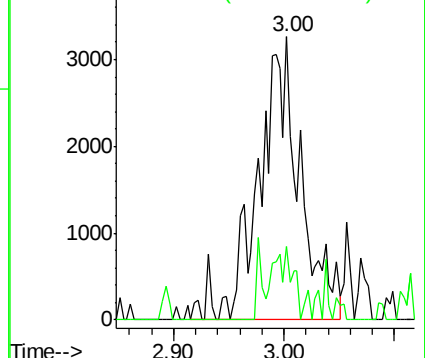
51 100

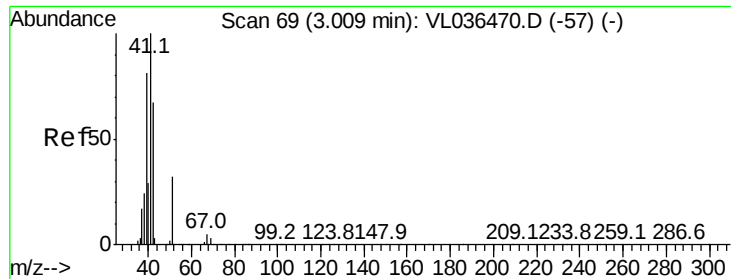
67 21.5 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.070 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL036791.D

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ClientSampleId :

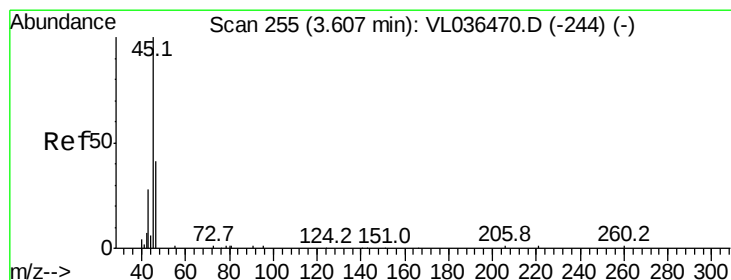
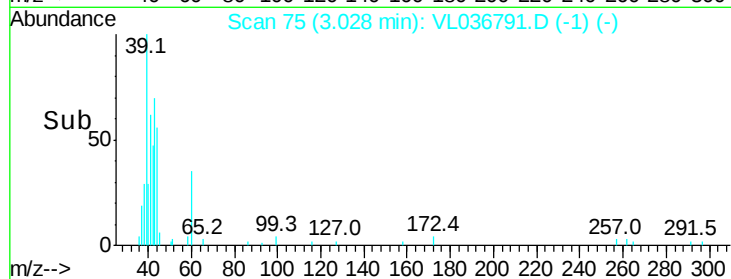
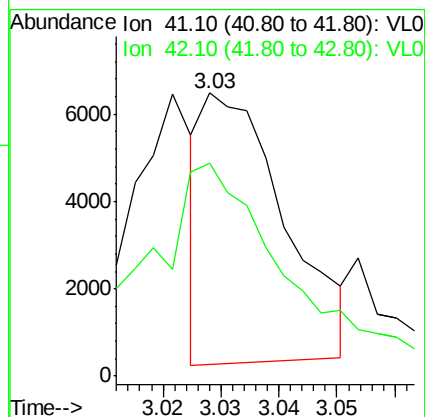
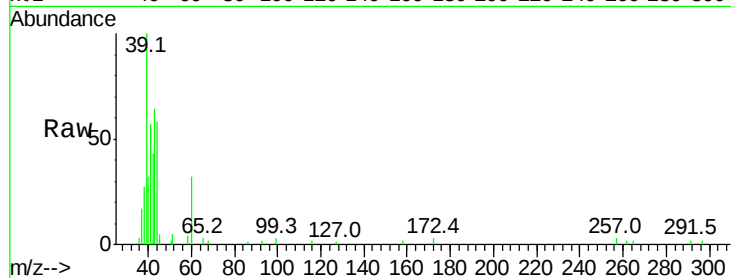
UP-SG-5(2021)DL

Tgt Ion: 41 Resp: 6078

Ion Ratio Lower Upper

41 100

42 171.3 57.0 85.4#



#13

Ethanol

Concen: 3.073 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL036791.D

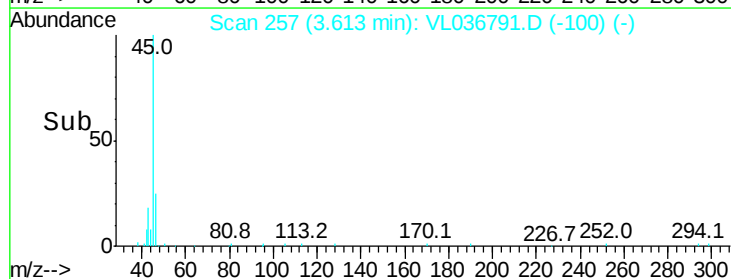
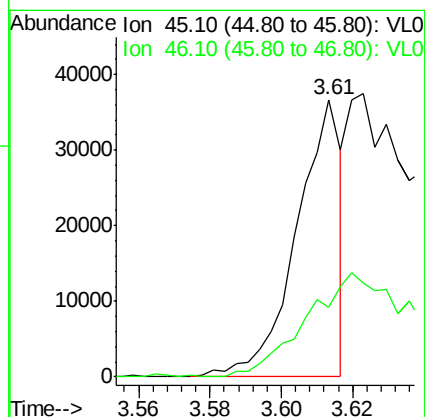
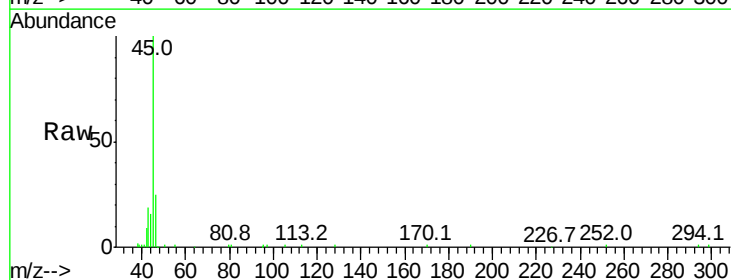
Acq: 12 Apr 2021 15:56

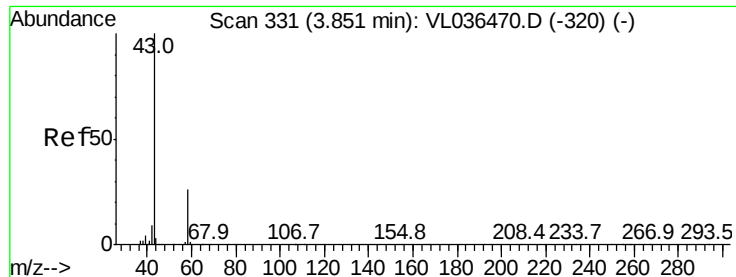
Tgt Ion: 45 Resp: 31898

Ion Ratio Lower Upper

45 100

46 0.0 16.6 66.2#





#15

Acetone

Concen: 9.596 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL036791.D

Acq: 12 Apr 2021 15:56

Instrument :

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ClientSampleId :

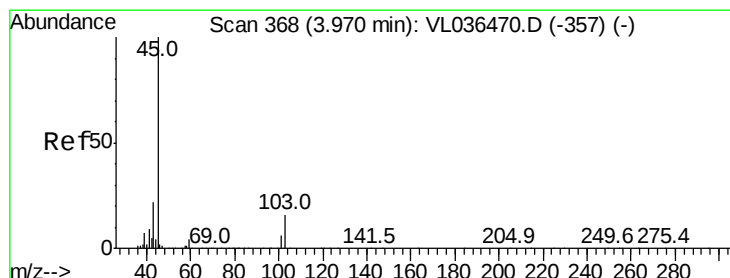
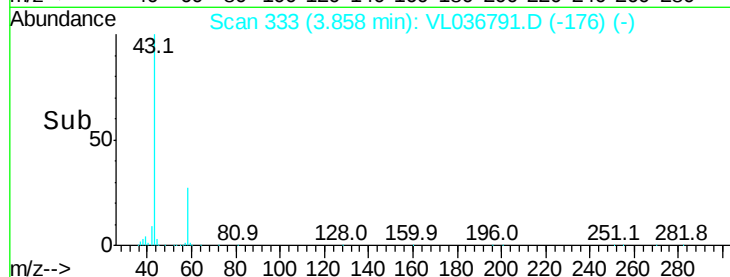
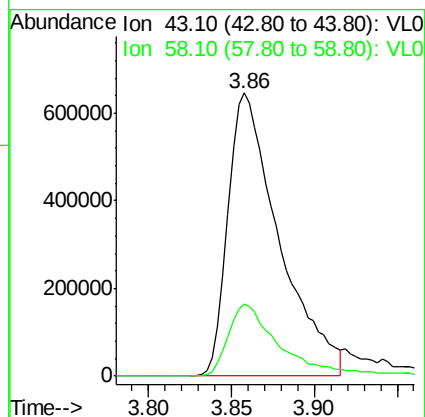
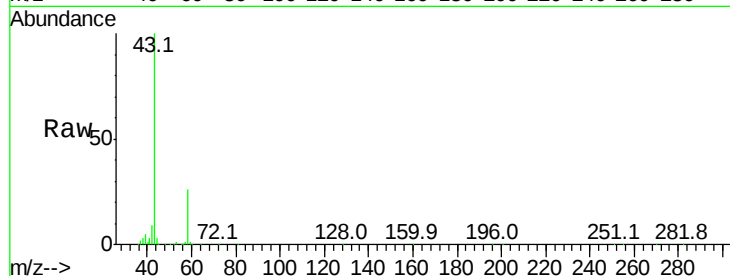
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Tgt Ion: 43 Resp: 1381950

Ion Ratio Lower Upper

43 100

58 26.1 21.2 31.8



#19

Isopropyl Alcohol

Concen: 1.439 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.02 min

Lab File: VL036791.D

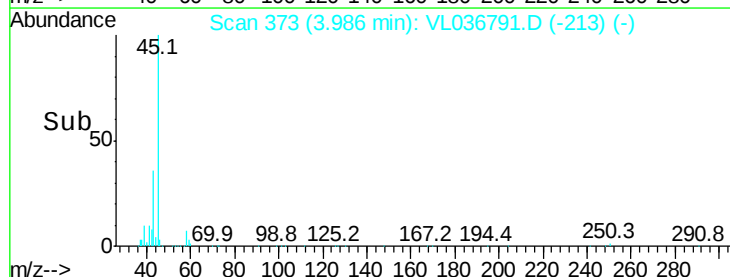
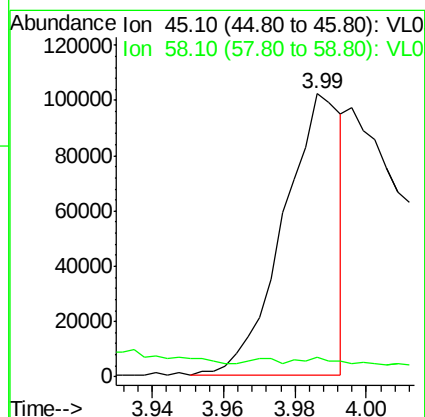
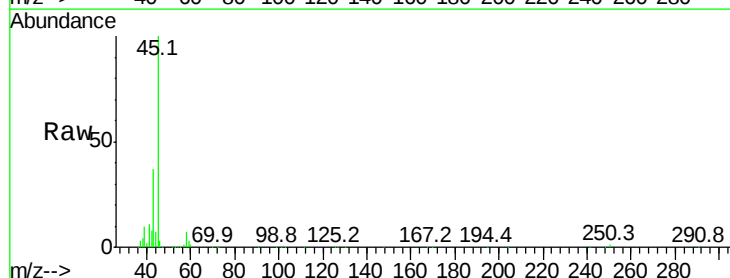
Acq: 12 Apr 2021 15:56

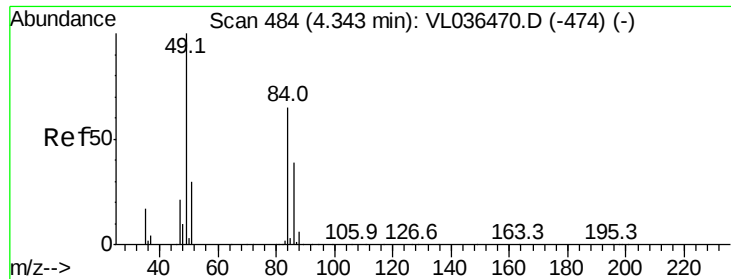
Tgt Ion: 45 Resp: 114014

Ion Ratio Lower Upper

45 100

58 15.3 2.9 4.3#

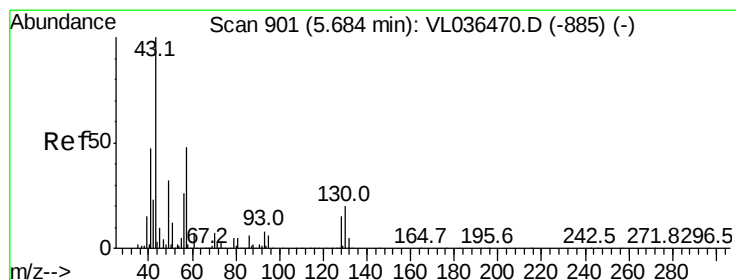
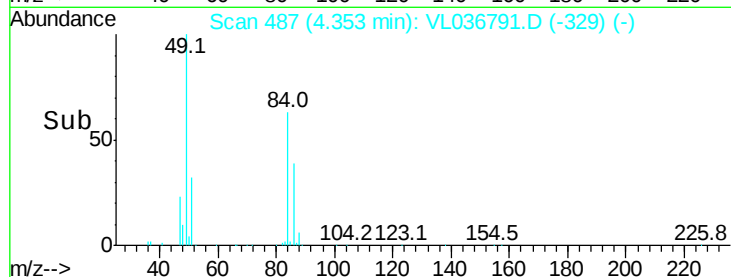
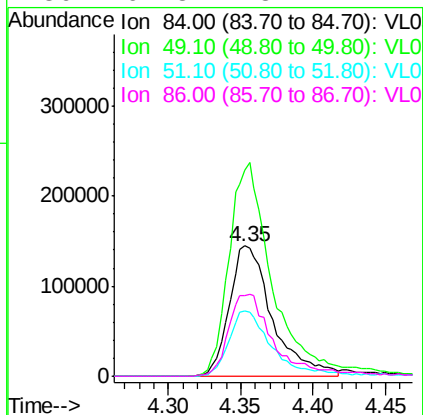
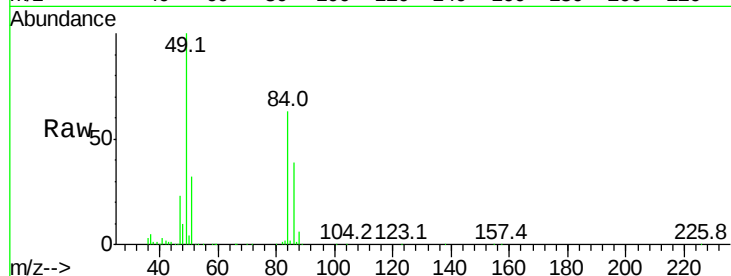




#20
Methylene Chloride
Concen: 4.403 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL036791.D
Acq: 12 Apr 2021 15:56

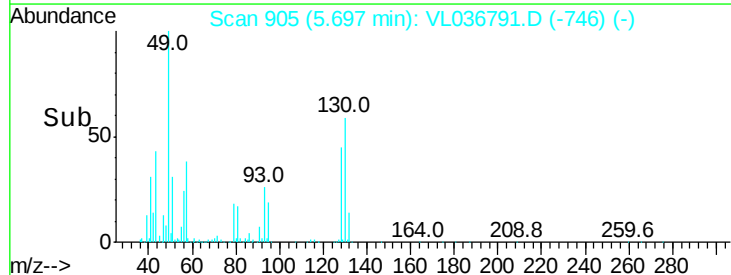
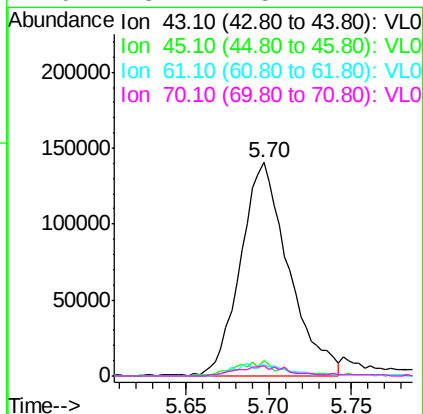
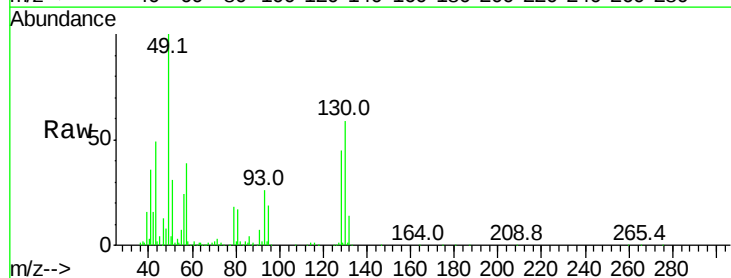
Instrument :
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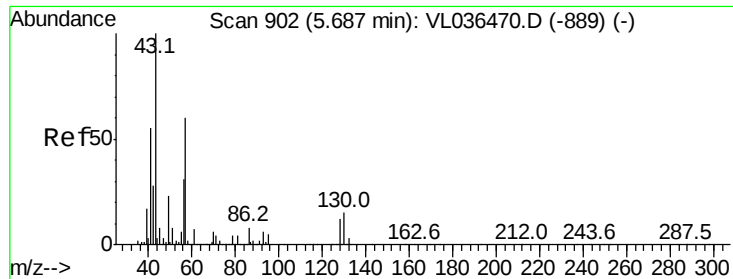
Tgt Ion:	84	Resp:	296865
Ion	Ratio	Lower	Upper
84	100		
49	158.6	122.9	184.3
51	50.3	36.9	55.3
86	61.8	48.2	72.4



#25
Ethyl Acetate
Concen: 0.824 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL036791.D
Acq: 12 Apr 2021 15:56

Tgt Ion:	43	Resp:	282205
Ion	Ratio	Lower	Upper
43	100		
45	7.5	7.9	11.9#
61	6.5	7.4	11.2#
70	5.7	5.1	7.7

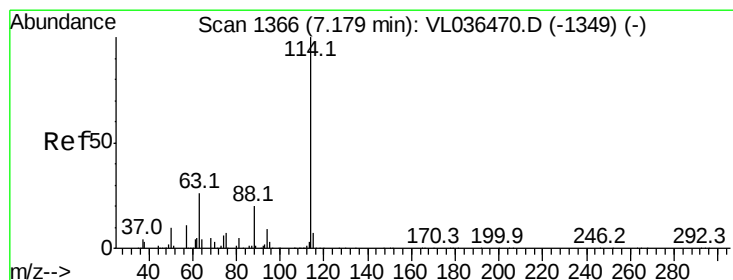
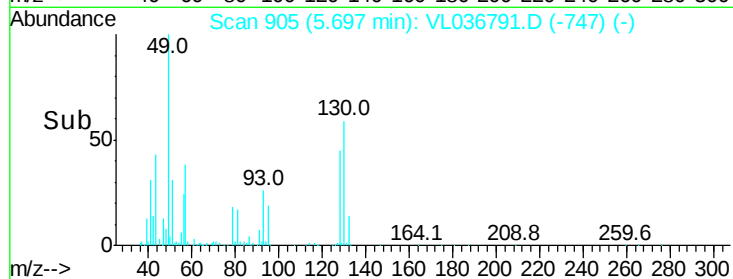
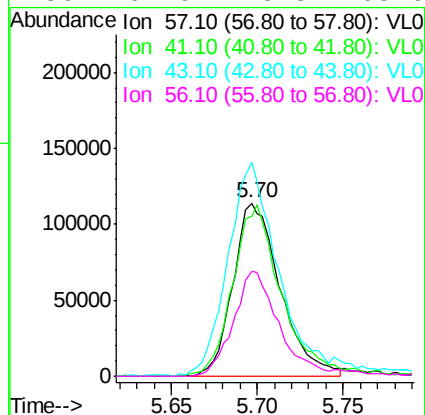
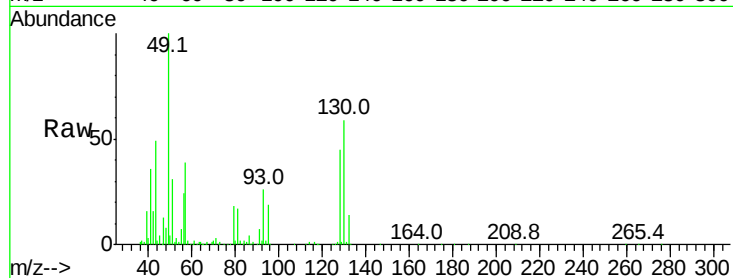




#26
Hexane
Concen: 1.358 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL036791.D
Acq: 12 Apr 2021 15:56

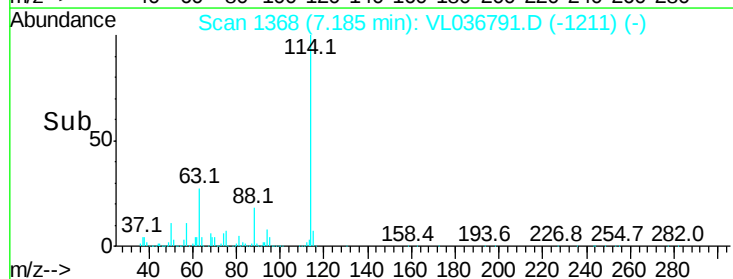
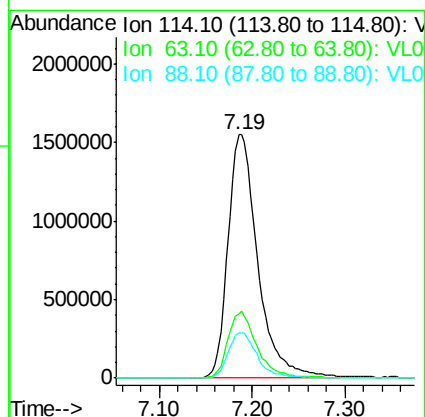
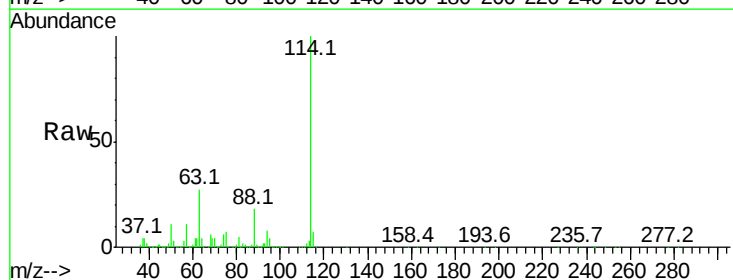
Instrument :
MSVOA_L
ClientSampleId :
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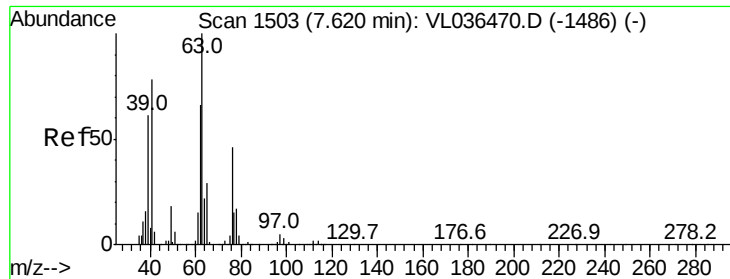
Tgt Ion: 57 Resp: 215763
Ion Ratio Lower Upper
57 100
41 105.1 77.2 115.8
43 139.5 173.8 260.6#
56 61.6 43.8 65.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VL036791.D
Acq: 12 Apr 2021 15:56

Tgt Ion: 114 Resp: 3464803
Ion Ratio Lower Upper
114 100
63 27.1 22.4 33.6
88 18.5 15.4 23.0





#39

1,2-Dichloropropane

Concen: 6.841 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.43 min

Lab File: VL036791.D

Acq: 12 Apr 2021 15:56

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-5(2021)DL

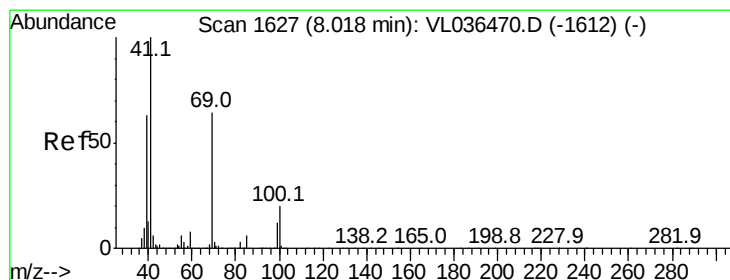
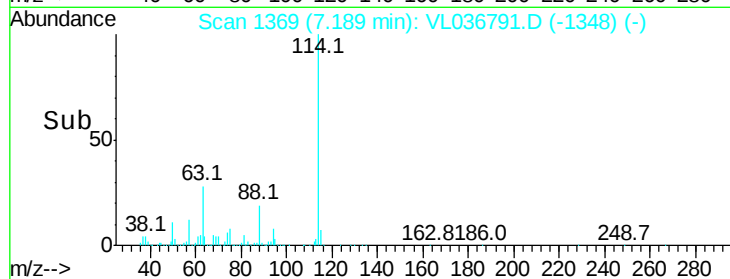
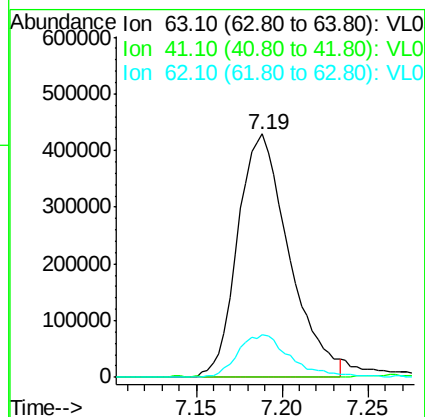
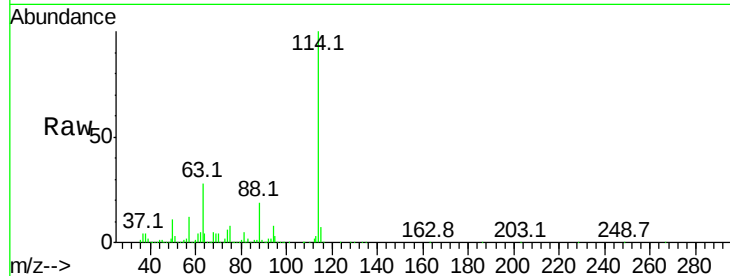
Tgt Ion: 63 Resp: 886757

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

62 17.7 52.8 79.2#



#43

Methyl Methacrylate

Concen: 0.109 ppbv

RT: 8.02 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VL036791.D

Acq: 12 Apr 2021 15:56

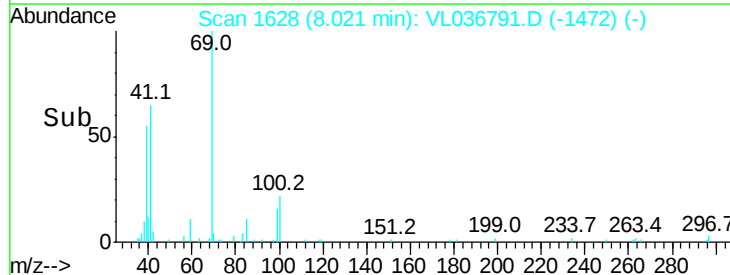
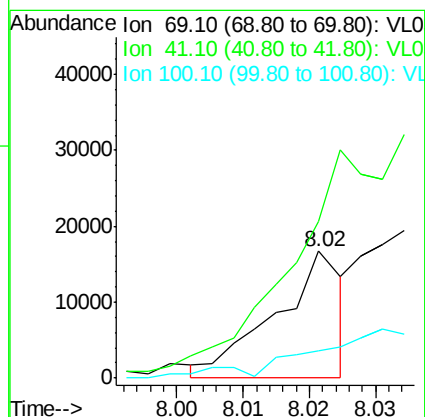
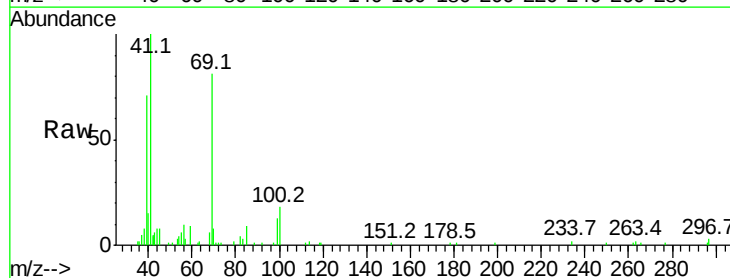
Tgt Ion: 69 Resp: 11646

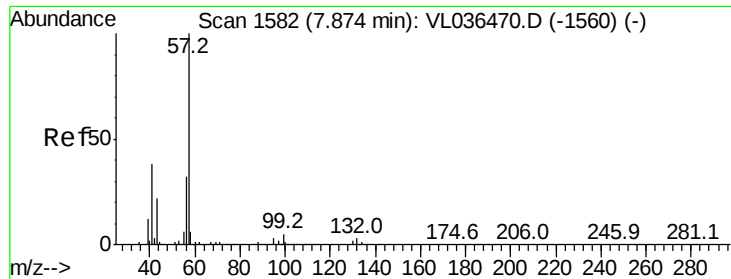
Ion Ratio Lower Upper

69 100

41 0.0 126.8 190.2#

100 0.0 24.9 37.3#

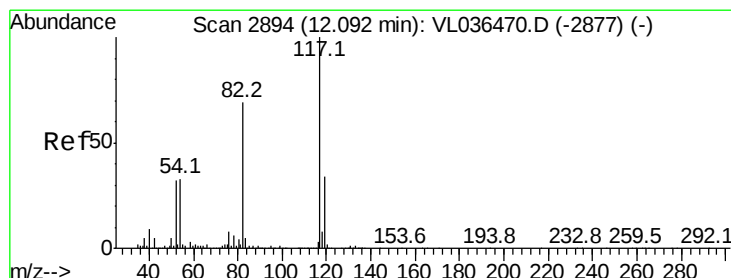
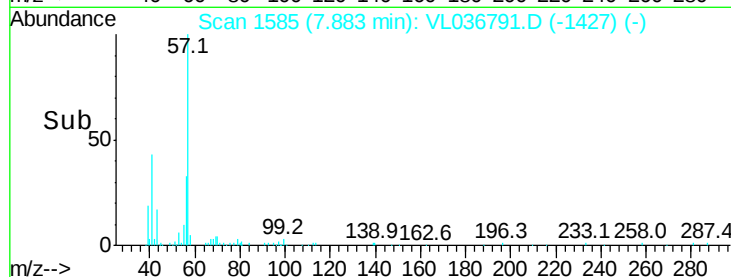
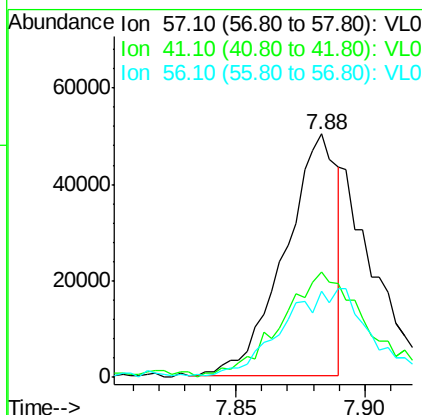
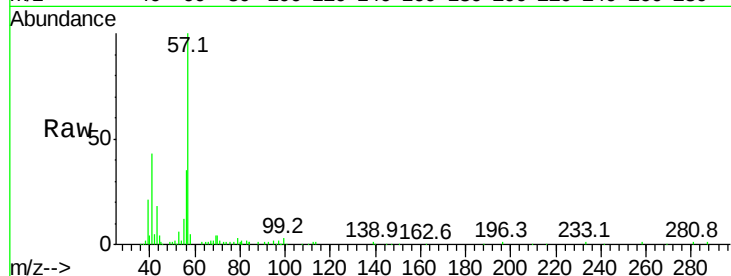




#44
 2,2,4-Trimethylpentane
 Concen: 0.125 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VL036791.D
 Acq: 12 Apr 2021 15:56

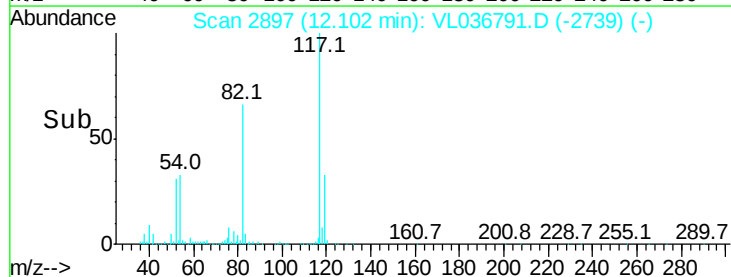
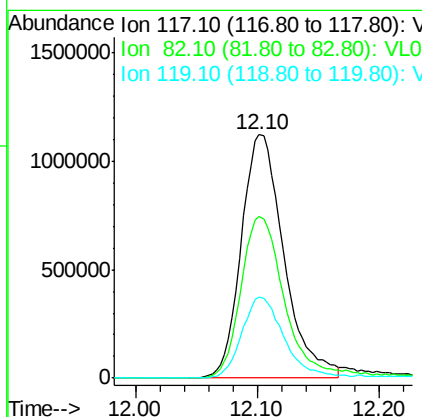
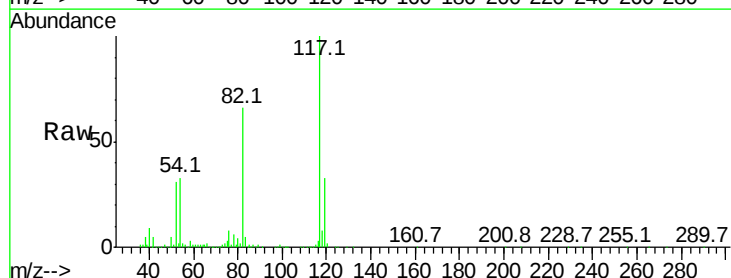
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 UP-SG-5(2021)DL

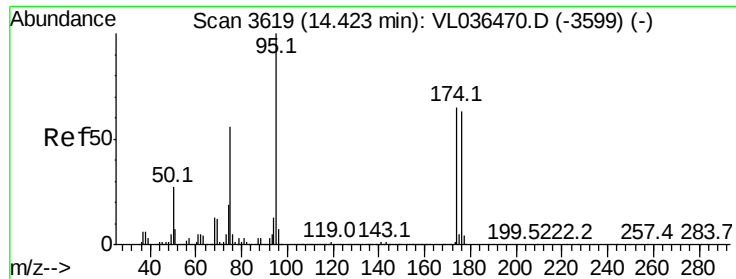
Tgt Ion: 57 Resp: 70310
 Ion Ratio Lower Upper
 57 100
 41 74.2 28.8 43.2#
 56 63.6 26.1 39.1#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2897
 Delta R.T. 0.01 min
 Lab File: VL036791.D
 Acq: 12 Apr 2021 15:56

Tgt Ion: 117 Resp: 2711208
 Ion Ratio Lower Upper
 117 100
 82 70.9 57.4 86.0
 119 33.9 47.4 71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 7.864 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.02 min

Lab File: VL036791.D

Acq: 12 Apr 2021 15:56

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-5(2021)DL

Tgt Ion: 95 Resp: 1699247

Ion Ratio Lower Upper

95 100

174 69.1 51.0 76.6

175 5.0 3.9 5.9

