

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040621\
 Data File : VL036712.D
 Acq On : 7 Apr 2021 00:26
 Operator : SY/AP
 Sample : M1877-08DL 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
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 4/12/2021 11:11:30 AM

Quant Time: Apr 12 19:54:53 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 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	5.67	49	1233601	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3114097	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2751931	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2043697	9.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	29624m	0.147	ppbv	
3) Chlorodifluoromethane	2.99	51	36856	0.160	ppbv	94
4) Chloromethane	3.14	50	26647	0.327	ppbv	93
9) Propene	3.02	41	51375m	0.699	ppbv	
10) Heptane	8.12	43	65687m	0.351	ppbv	
11) Trichlorofluoromethane	3.95	101	21317m	0.104	ppbv	
13) Ethanol	3.60	45	896710	102.483	ppbv	92
15) Acetone	3.84	43	8327935m	68.591	ppbv	
19) Isopropyl Alcohol	3.97	45	3269761	48.956	ppbv #	98
20) Methylene Chloride	4.34	84	221863	3.903	ppbv	94
25) Ethyl Acetate	5.67	43	1587645	5.500	ppbv #	94
26) Hexane	5.69	57	367893m	2.746	ppbv	
30) Cyclohexane	7.13	84	25753	0.237	ppbv #	24
36) Benzene	6.89	78	73630m	0.256	ppbv	
43) Methyl Methacrylate	8.01	69	829085	8.597	ppbv	96
44) 2,2,4-Trimethylpentane	7.87	57	1613712	3.192	ppbv	99
53) Toluene	9.81	91	76039	0.249	ppbv	99

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

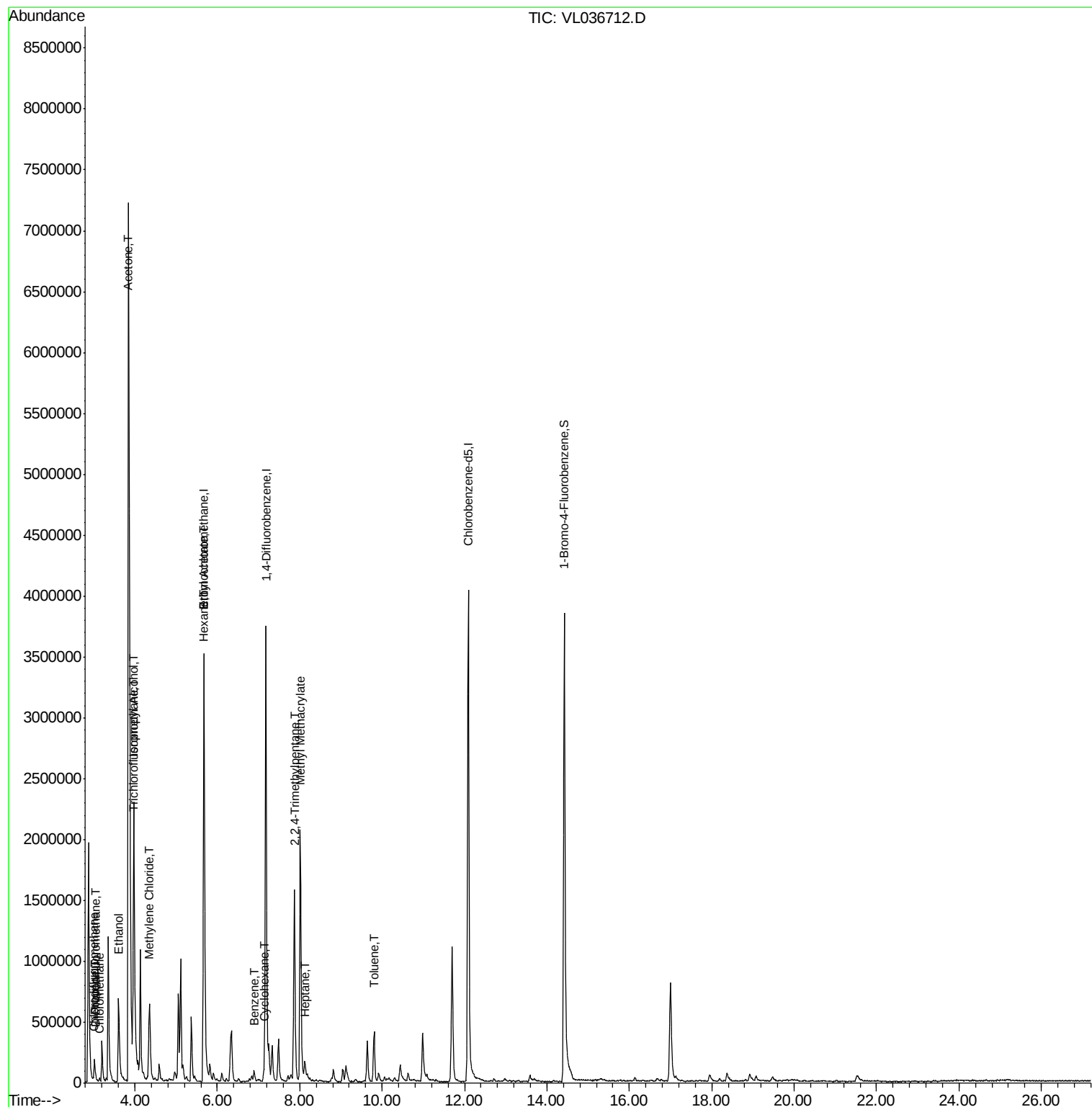
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040621\
Data File : VL036712.D
Acq On : 7 Apr 2021 00:26
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Quant Time: Apr 12 19:54:53 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL036712.D

Acq: 7 Apr 2021 00:26

Instrument :

MSVOA_L

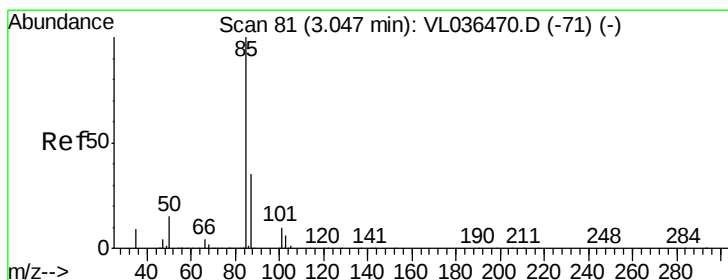
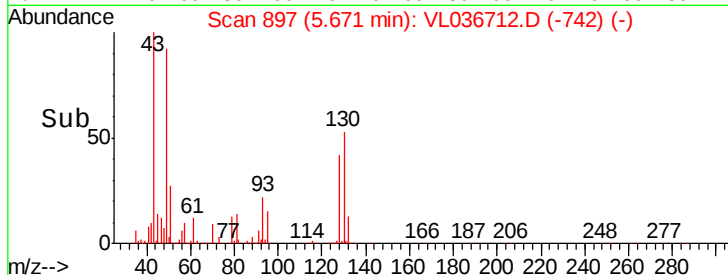
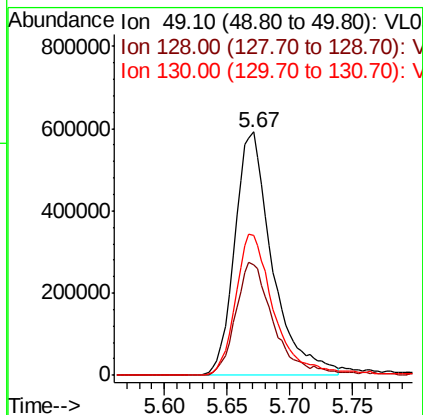
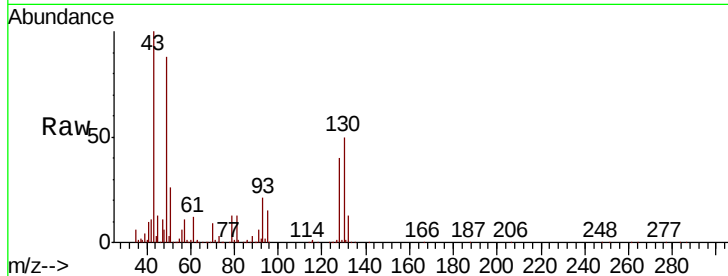
ClientSampleId :

UP-SG-5(2021)DL

Tot Ion:	49	Resp:	1233601
Ion	Ratio	Lower	Upper
49	100		
128	48.7	23.5	70.6
130	60.3	29.1	87.4

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#2

Dichlorodifluoromethane

Concen: 0.147 ppbv m

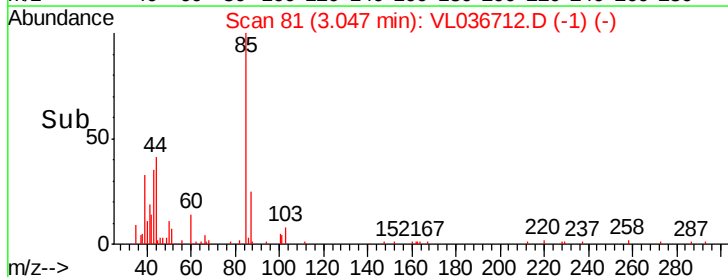
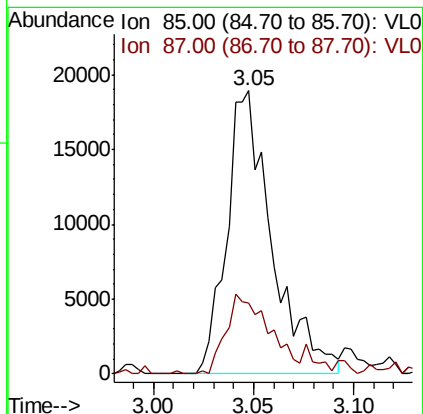
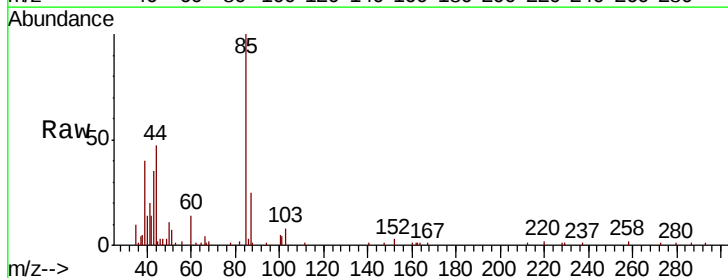
RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036712.D

Acq: 7 Apr 2021 00:26

Tgt Ion:	85	Resp:	29624
Ion	Ratio	Lower	Upper
85	100		
87	25.0	27.8	41.8#





#3

Chlorodifluoromethane

Concen: 0.160 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL036712.D

Acq: 7 Apr 2021 00:26

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-5(2021)DL

Tot Ion: 51 Resp: 36856

Ion Ratio Lower Upper

51 100

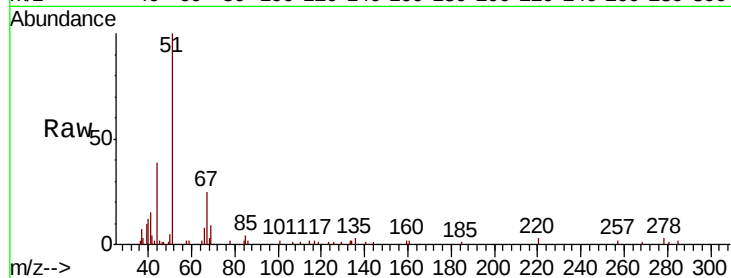
67 15.8 14.7 22.1

Manual Integrations

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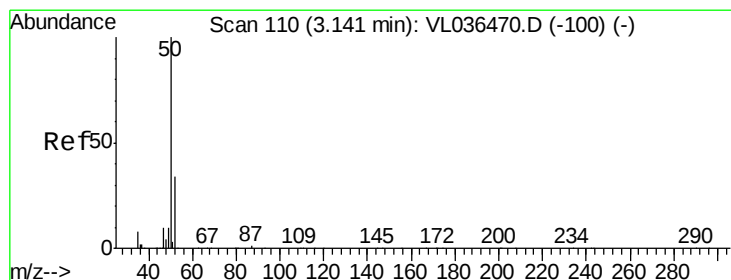
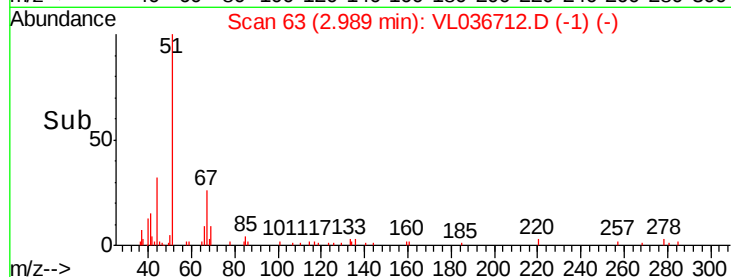
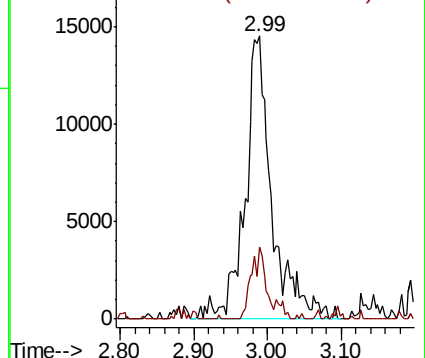
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.327 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036712.D

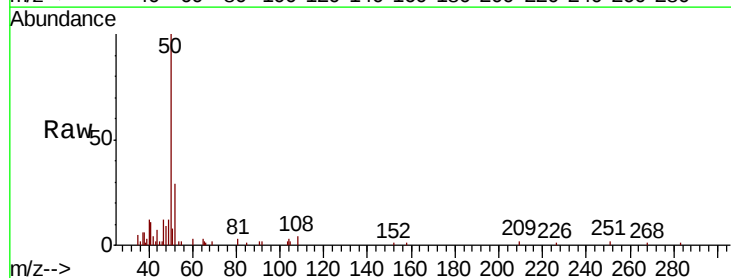
Acq: 7 Apr 2021 00:26

Tgt Ion: 50 Resp: 26647

Ion Ratio Lower Upper

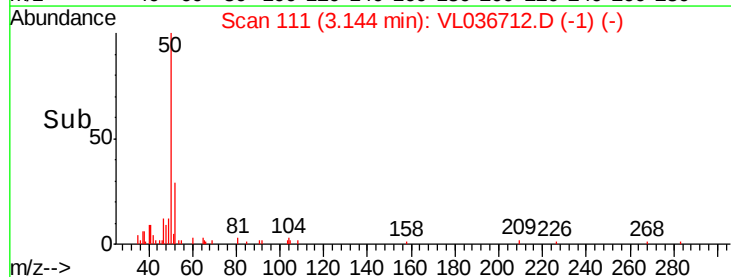
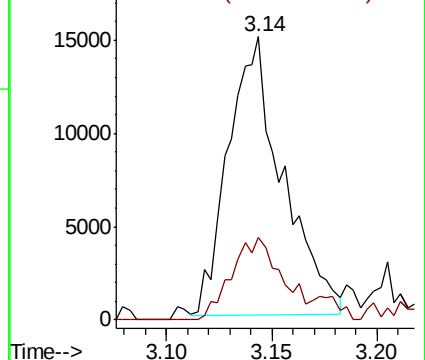
50 100

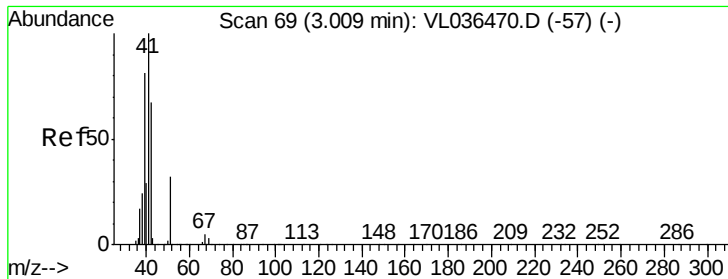
52 29.8 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.699 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036712.D

Acq: 7 Apr 2021 00:26

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-5(2021)DL

Tot Ion: 41 Resp: 51375

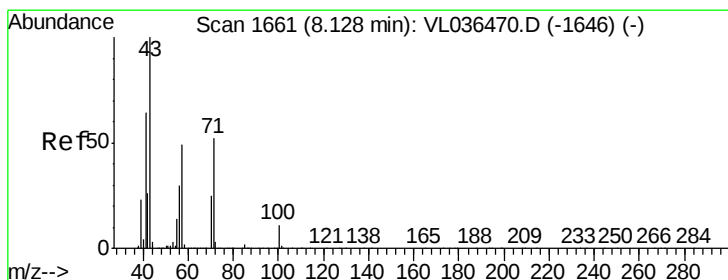
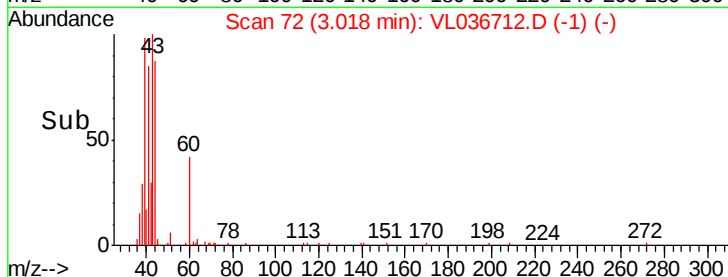
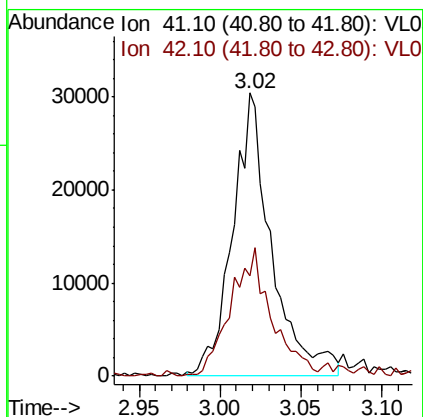
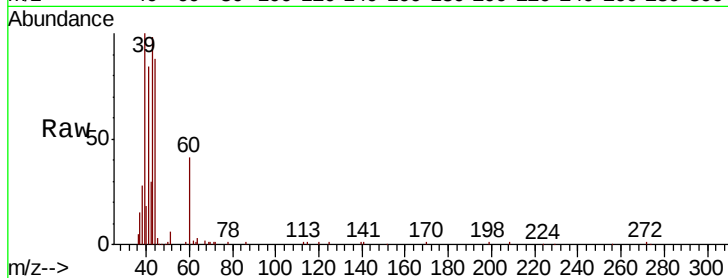
Ion Ratio Lower Upper

41 100

42 146.0 57.0 85.4#

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#10

Heptane

Concen: 0.351 ppbv m

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL036712.D

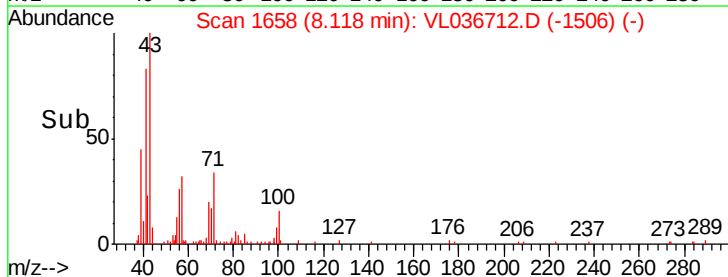
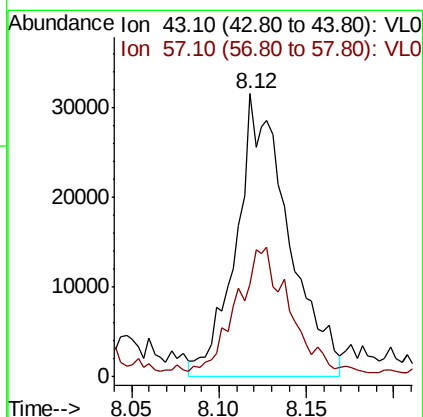
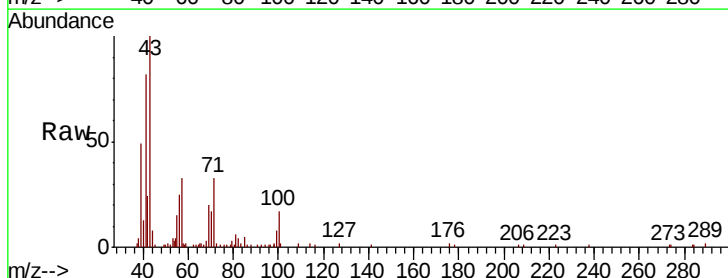
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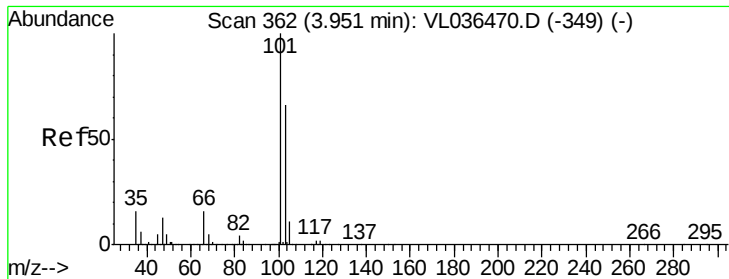
Tgt Ion: 43 Resp: 65687

Ion Ratio Lower Upper

43 100

57 0.0 39.0 58.6#





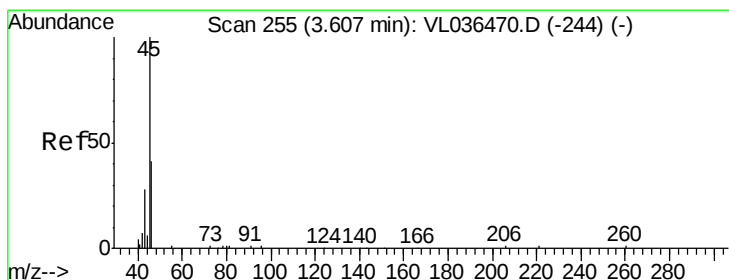
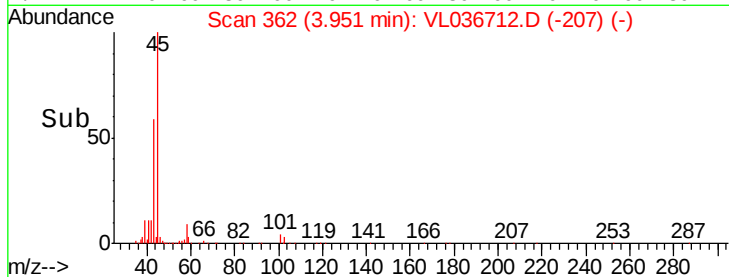
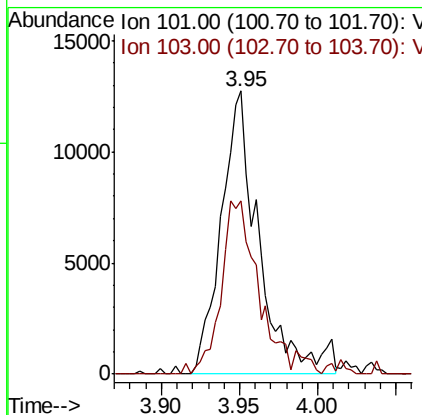
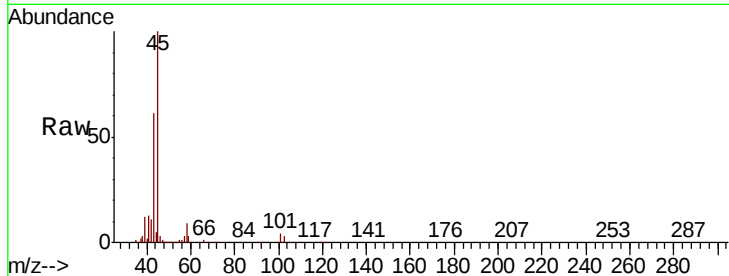
#11
 Trichlorofluoromethane
 Concen: 0.104 ppbv m
 RT: 3.95 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: VL036712.D
 Acq: 7 Apr 2021 00:26

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

Tot Ion	Ion	Ratio	Lower	Upper
21317	101	100		
	103	61.2	52.5	78.7

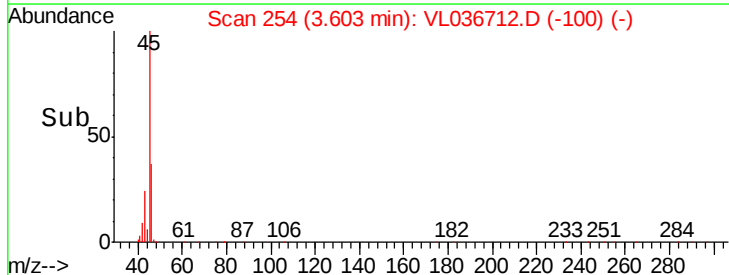
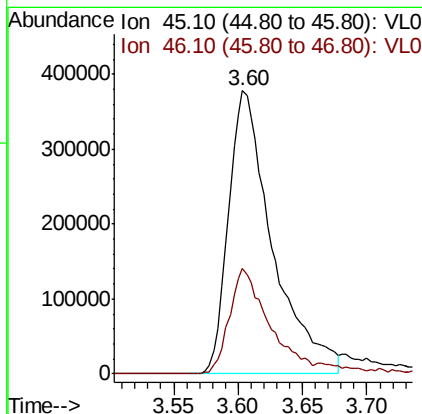
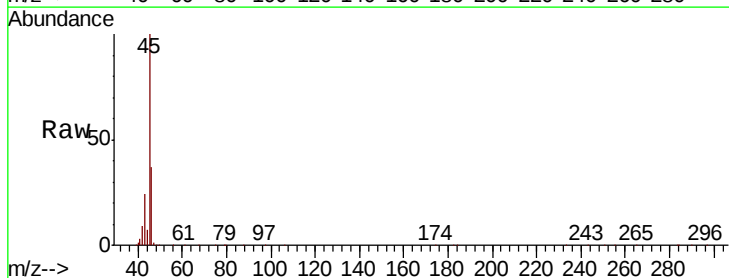
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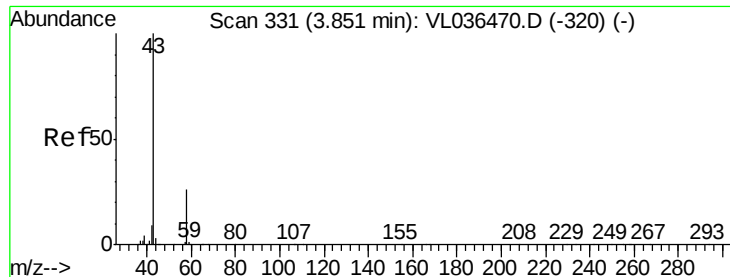
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#13
 Ethanol
 Concen: 102.483 ppbv
 RT: 3.60 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VL036712.D
 Acq: 7 Apr 2021 00:26

Tgt Ion	Ion	Ratio	Lower	Upper
896710	45	100		
	46	36.6	16.6	66.2





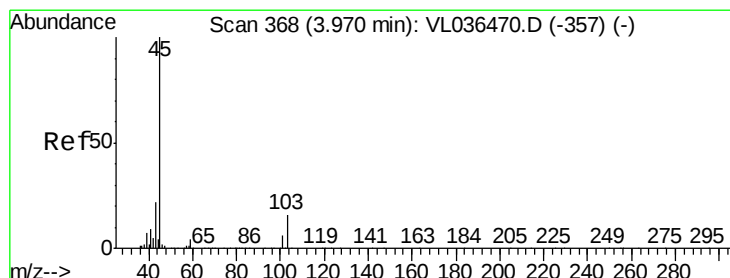
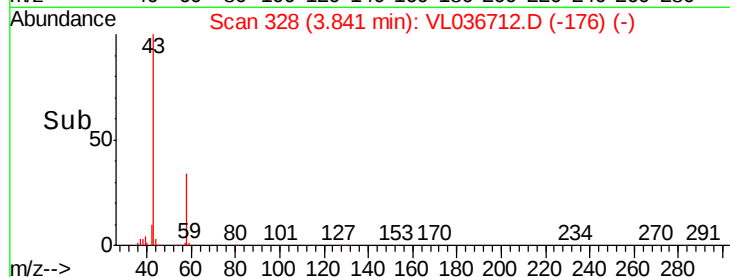
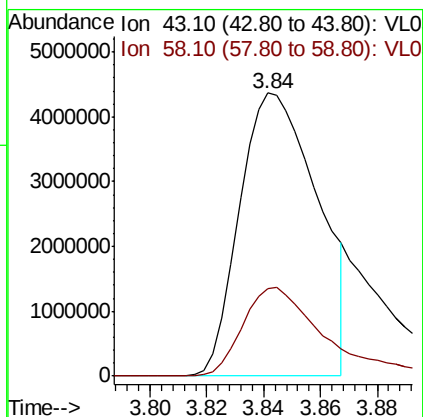
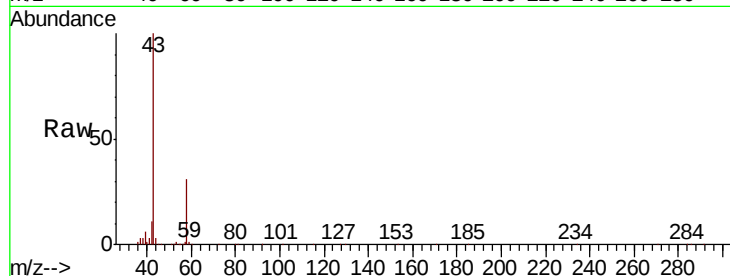
#15
Acetone
Concen: 68.591 ppbv m
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL036712.D
Acq: 7 Apr 2021 00:26

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

Tot Ion: 43 Resp: 8327935
Ion Ratio Lower Upper
43 100
58 34.4 21.2 31.8#

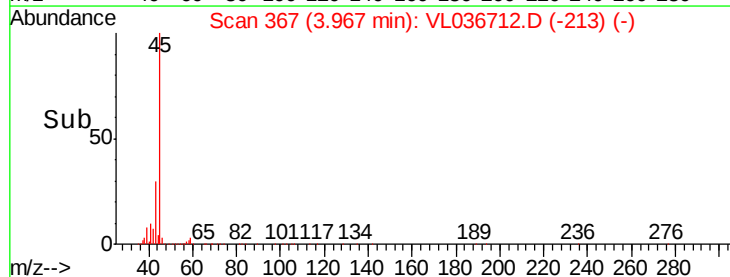
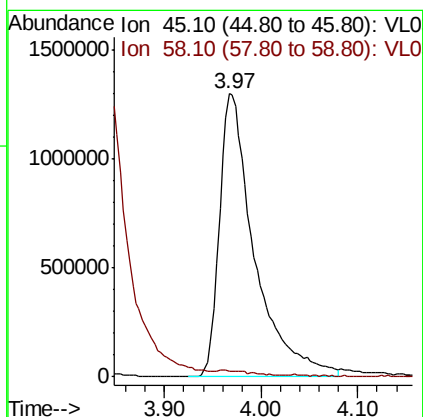
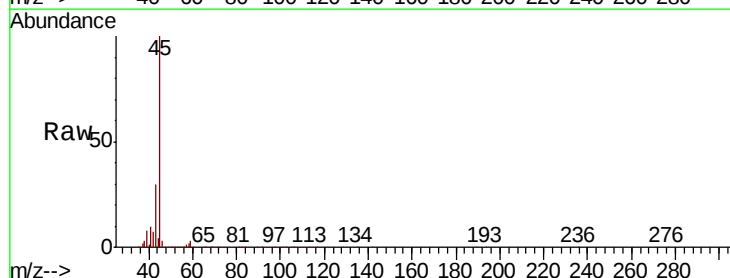
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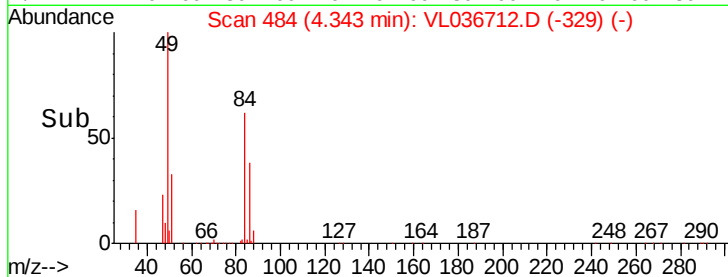
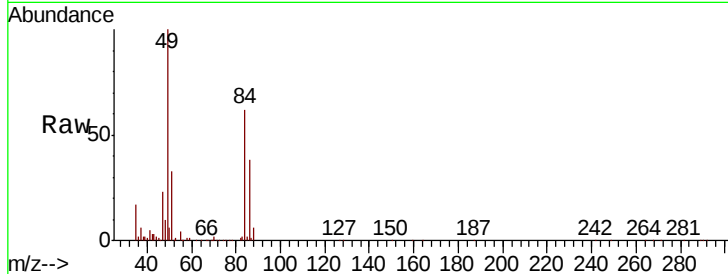
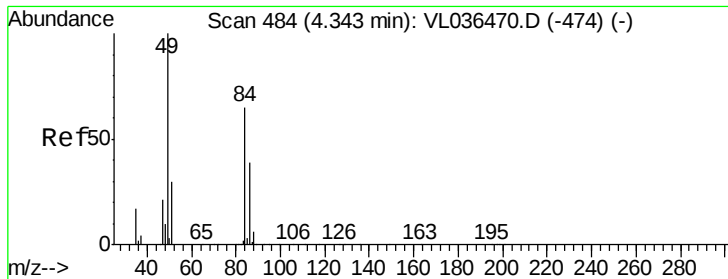
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#19
Isopropyl Alcohol
Concen: 48.956 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL036712.D
Acq: 7 Apr 2021 00:26

Tgt Ion: 45 Resp: 3269761
Ion Ratio Lower Upper
45 100
58 2.8 2.9 4.3#





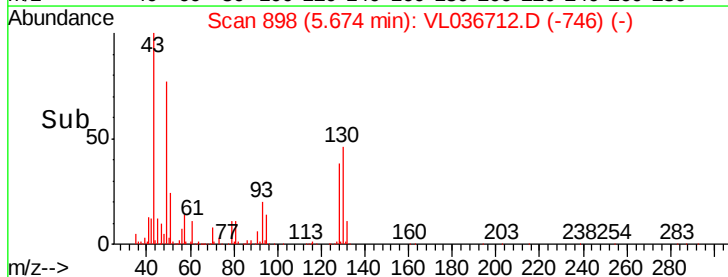
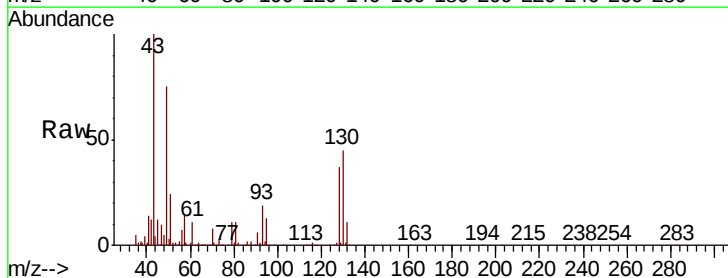
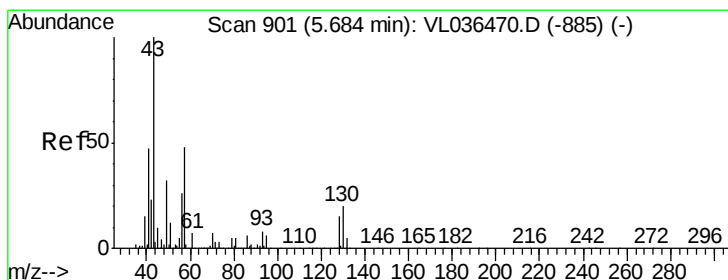
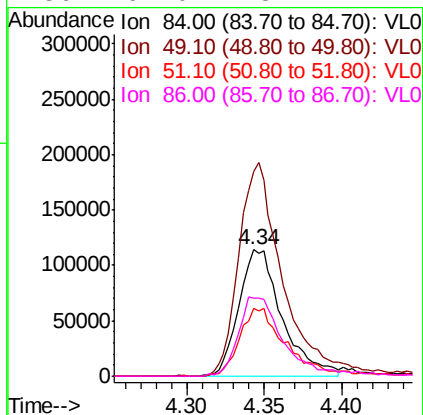
#20
Methylene Chloride
Concen: 3.903 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL036712.D
Acq: 7 Apr 2021 00:26

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	162.0	122.9	184.3	
51	53.6	36.9	55.3	
86	62.0	48.2	72.4	

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

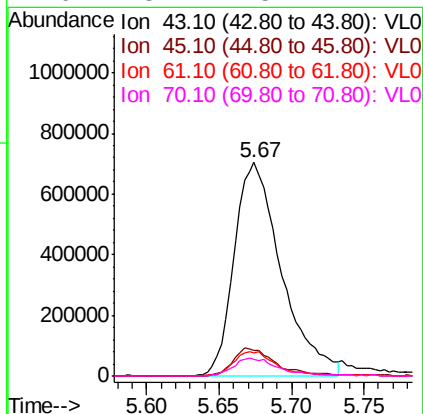
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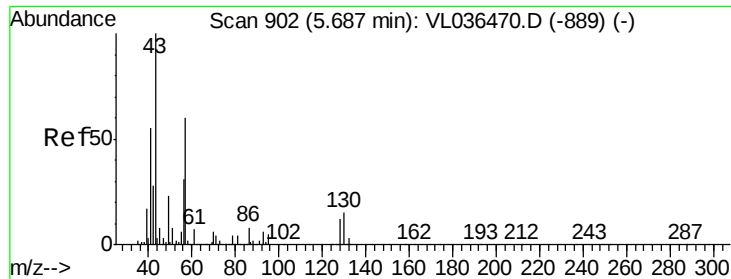
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#25
Ethyl Acetate
Concen: 5.500 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL036712.D
Acq: 7 Apr 2021 00:26

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
45	12.6	7.9	11.9#	
61	11.2	7.4	11.2#	
70	8.4	5.1	7.7#	





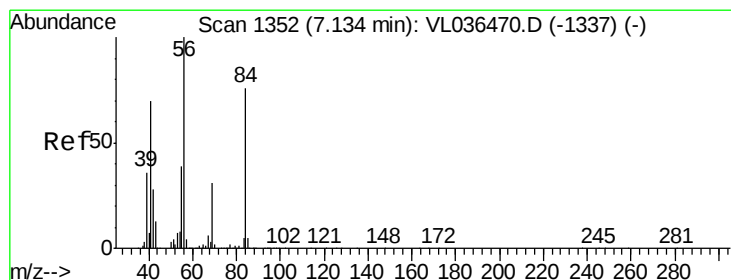
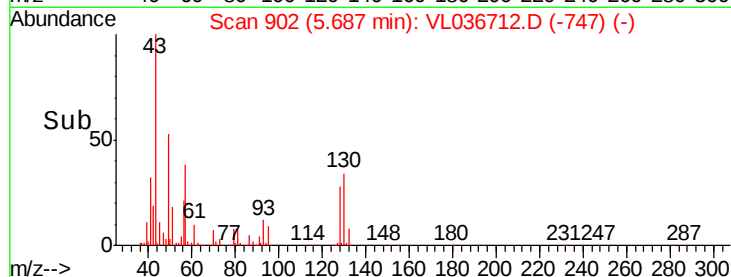
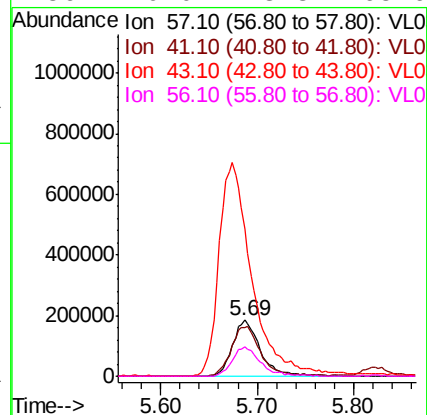
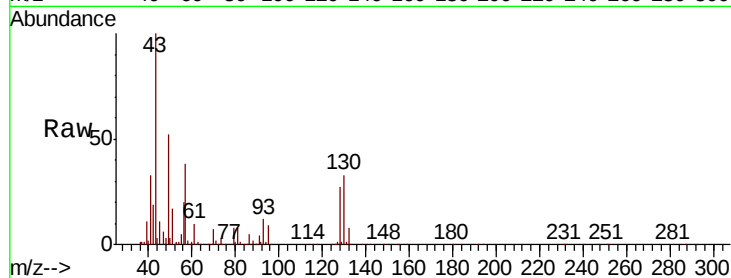
#26
Hexane
Concen: 2.746 ppbv m
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036712.D
Acq: 7 Apr 2021 00:26

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

Tot Ion	57	Resp	367893
Ion	Ratio	Lower	Upper
57	100		
41	0.0	77.2	115.8#
43	0.0	173.8	260.6#
56	0.0	43.8	65.6#

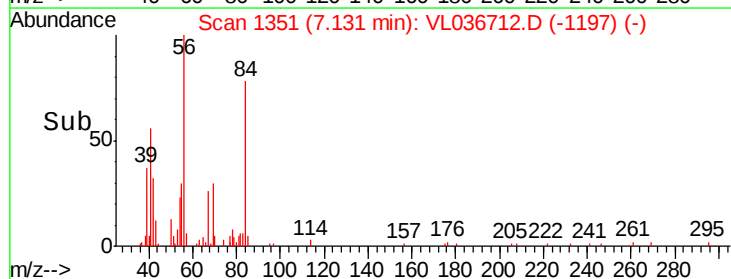
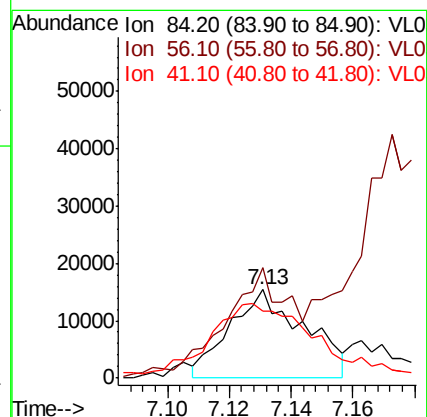
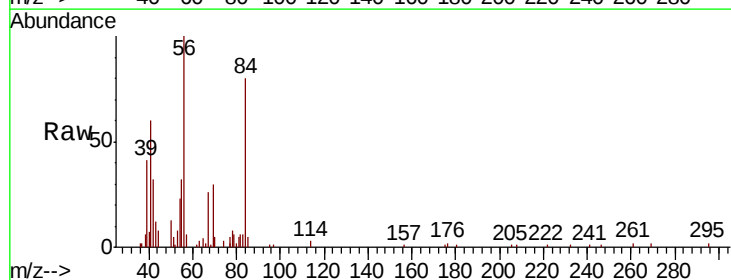
Manual Integrations
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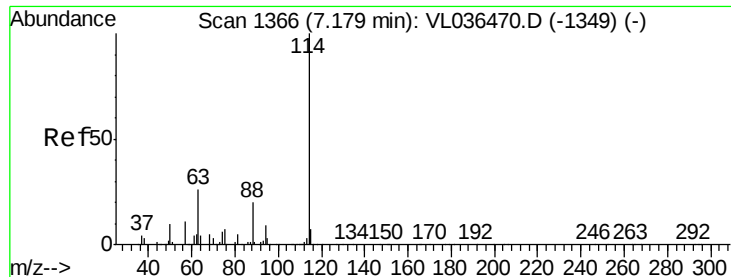
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#30
Cyclohexane
Concen: 0.237 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL036712.D
Acq: 7 Apr 2021 00:26

Tgt Ion	84	Resp	25753
Ion	Ratio	Lower	Upper
84	100		
56	0.0	114.6	171.8#
41	109.9	75.3	112.9





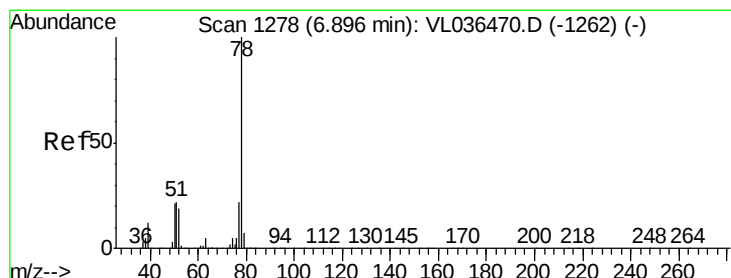
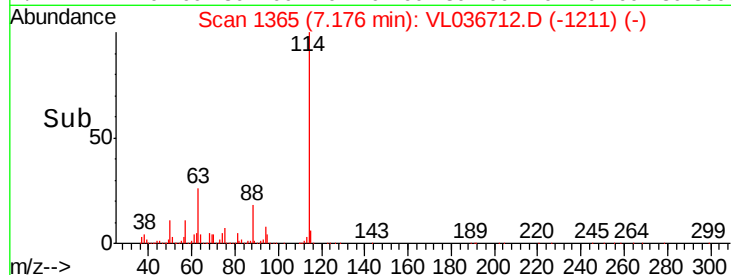
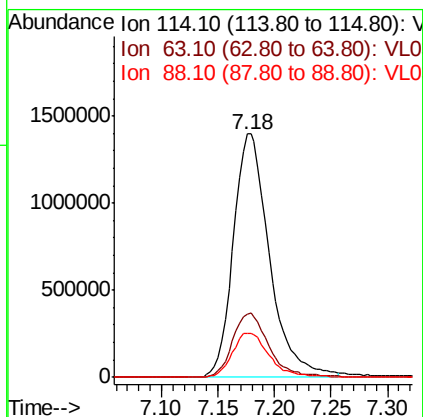
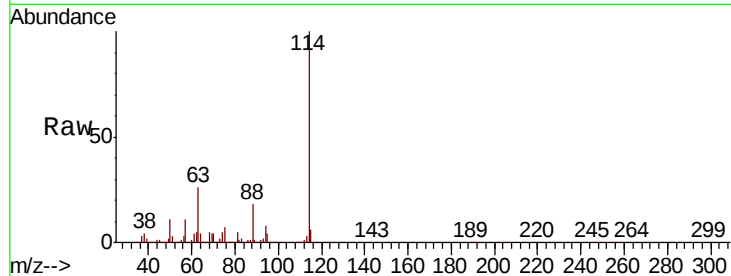
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL036712.D
 Acq: 7 Apr 2021 00:26

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.8	22.4	33.6
88	18.8	15.4	23.0

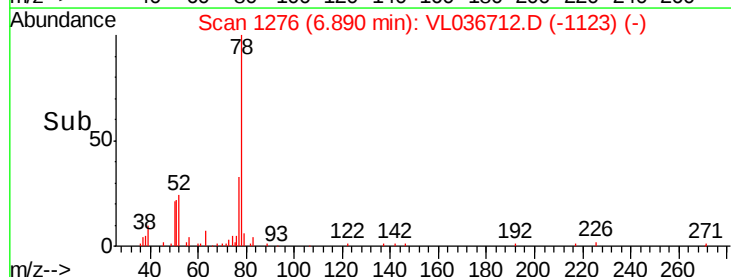
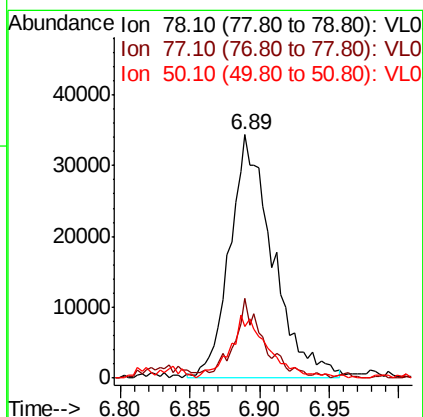
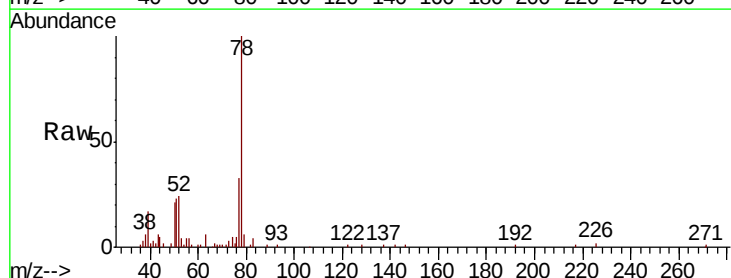
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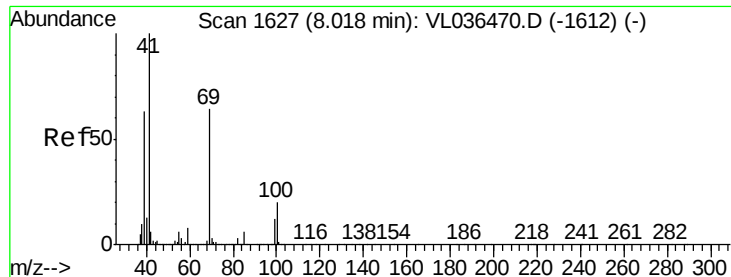
MMDadoda
 4/12/2021 11:11:30 AM



#36
 Benzene
 Concen: 0.256 ppbv m
 RT: 6.89 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: VL036712.D
 Acq: 7 Apr 2021 00:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	32.7	18.0	27.0#
50	21.2	16.5	24.7





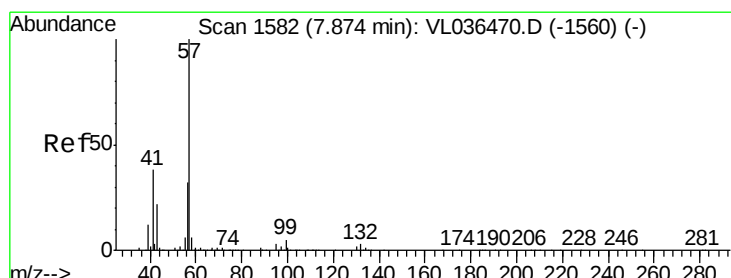
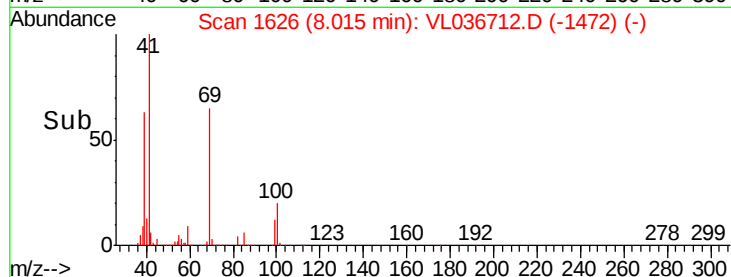
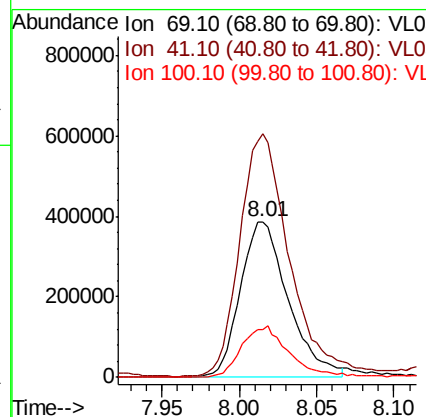
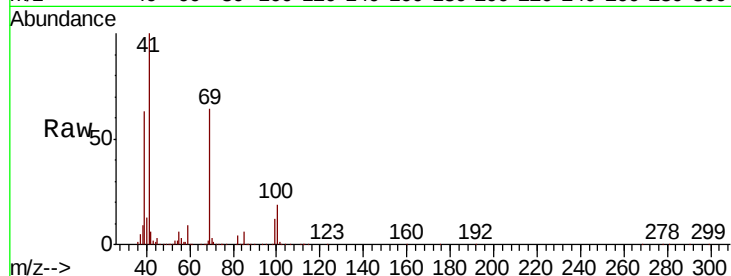
#43
Methvl Methacrylate
Concen: 8.597 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VL036712.D
Acq: 7 Apr 2021 00:26

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

Tot Ion	Ratio	Lower	Upper
69	100		
41	163.1	126.8	190.2
100	33.2	24.9	37.3

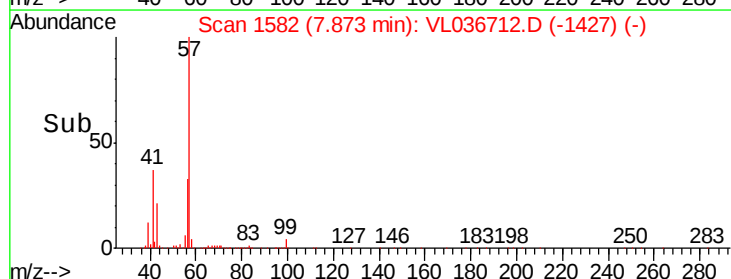
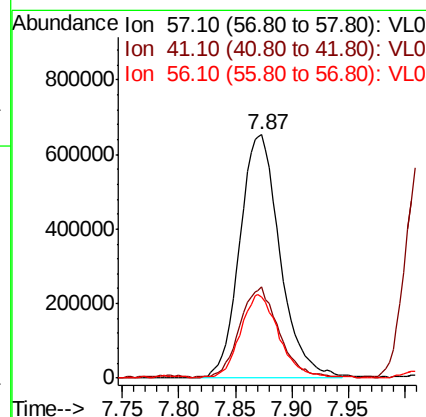
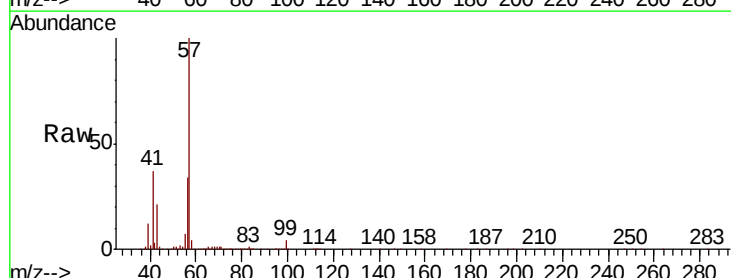
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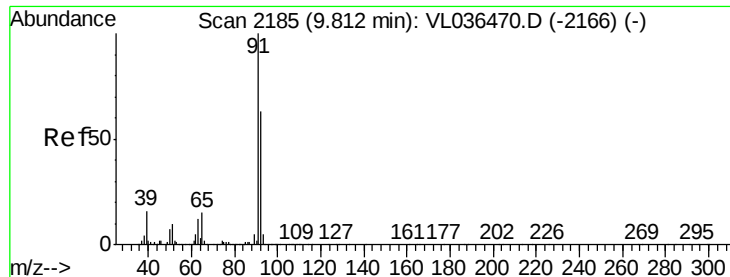
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#44
2,2,4-Trimethylpentane
Concen: 3.192 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VL036712.D
Acq: 7 Apr 2021 00:26

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.6	28.8	43.2
56	33.0	26.1	39.1





#53

Toluene

Concen: 0.249 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL036712.D

Acq: 7 Apr 2021 00:26

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-5(2021)DL

Tot Ion: 91 Resp: 76039

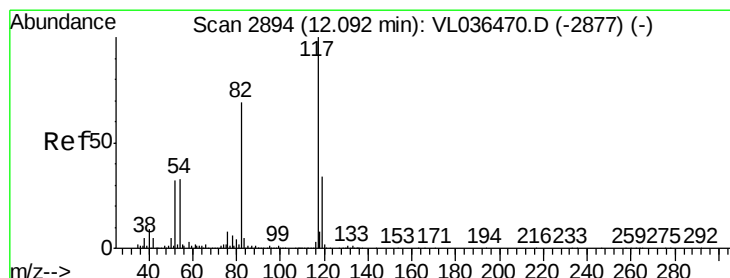
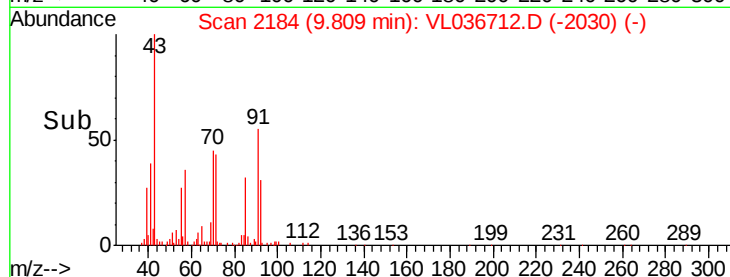
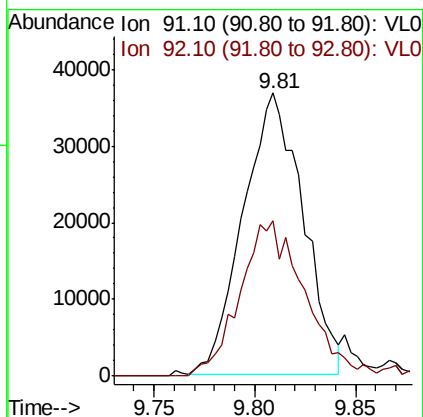
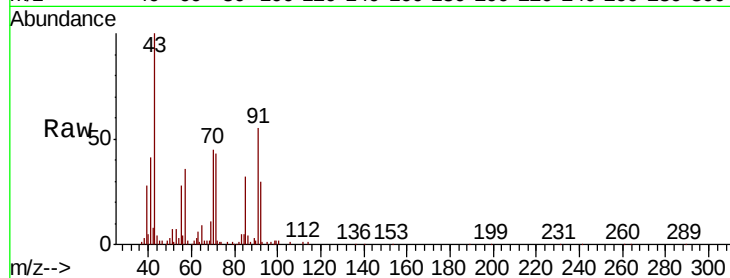
Ion Ratio Lower Upper

91 100

92 60.5 48.8 73.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL036712.D

Acq: 7 Apr 2021 00:26

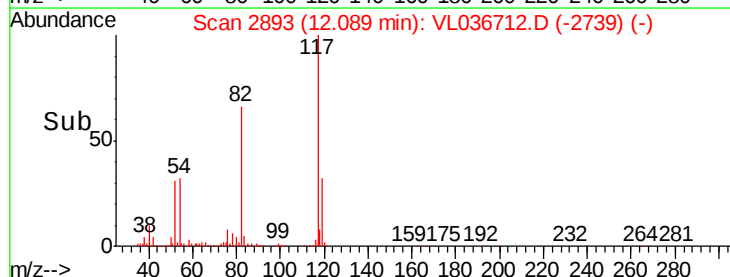
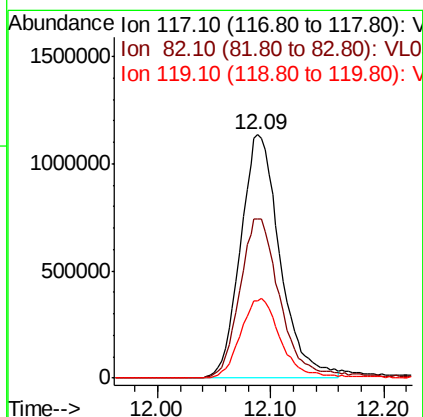
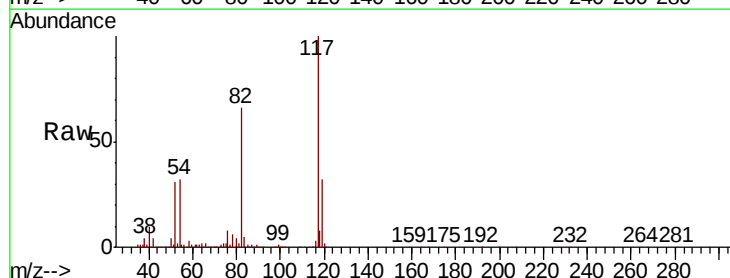
Tgt Ion: 117 Resp: 2751931

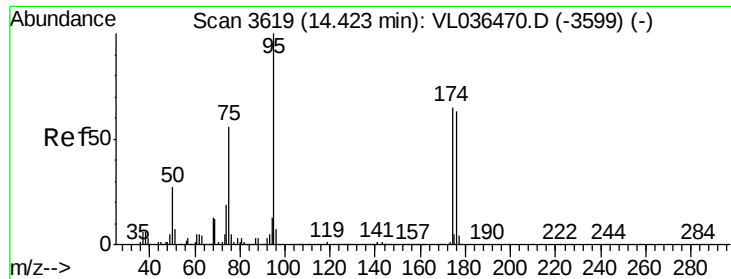
Ion Ratio Lower Upper

117 100

82 68.4 57.4 86.0

119 34.4 47.4 71.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.318 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. -0.00 min
 Lab File: VL036712.D
 Acq: 7 Apr 2021 00:26

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

Tot Ion	Ratio	Lower	Upper
95	100		
174	70.5	51.0	76.6
175	5.1	3.9	5.9

Manual Integrations
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 4/12/2021 11:11:30 AM

