

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036644.D
 Acq On : 2 Apr 2021 14:26
 Operator : SY/AP
 Sample : M1797-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 MF-SG-05(2021)

Manual Integrations
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 4/5/2021 1:13:52 PM

Quant Time: Apr 04 16:33:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 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	5.65	49	1352954	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3420287	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3034929	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2405091	9.94	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds

					Ovalue	
2) Dichlorodifluoromethane	3.04	85	35168m	0.159	ppbv	
3) Chlorodifluoromethane	2.98	51	93606	0.370	ppbv	# 91
4) Chloromethane	3.13	50	36389	0.408	ppbv	# 87
5) Vinyl Chloride	3.25	62	4015	0.044	ppbv	# 73
10) Heptane	8.11	43	40583m	0.198	ppbv	
11) Trichlorofluoromethane	3.94	101	42917	0.191	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.48	101	14178m	0.099	ppbv	
13) Ethanol	3.60	45	3037134	316.486	ppbv	92
15) Acetone	3.84	43	6739910	50.614	ppbv	99
17) tert-Butyl alcohol	4.30	59	74709m	0.644	ppbv	
19) Isopropyl Alcohol	3.97	45	414276	5.655	ppbv	# 1
20) Methylene Chloride	4.33	84	1461735	23.445	ppbv	90
26) Hexane	5.67	57	1973395	13.432	ppbv	# 47
27) Carbon Disulfide	4.54	76	39099	0.270	ppbv	# 70
29) Chloroform	5.74	83	89865m	0.382	ppbv	
30) Cyclohexane	7.12	84	26936m	0.226	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	169768m	0.717	ppbv	
34) 2-Butanone	5.24	43	434124	2.600	ppbv	100
35) Carbon Tetrachloride	7.00	117	18349m	0.070	ppbv	
36) Benzene	6.88	78	69459	0.220	ppbv	# 89
38) Trichloroethene	7.82	130	7598m	0.062	ppbv	
40) 1,4-Dioxane	7.83	88	13144m	0.441	ppbv	
41) Tetrahydrofuran	6.04	42	34870m	0.453	ppbv	
43) Methyl Methacrylate	8.01	69	10880m	0.103	ppbv	
44) 2,2,4-Trimethylpentane	7.86	57	117887m	0.212	ppbv	
50) 4-Methyl-2-Pentanone	8.74	43	62413m	0.258	ppbv	
51) 2-Hexanone	10.13	43	76796m	0.630	ppbv	
52) Tetrachloroethene	11.20	164	14597m	0.126	ppbv	
53) Toluene	9.80	91	371796	1.107	ppbv	99
58) Ethyl Benzene	12.70	91	76065	0.172	ppbv	95
59) m/p-Xylene	12.96	91	222610m	0.578	ppbv	
60) o-Xylene	13.68	91	114876	0.308	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.67	83	20091m	0.071	ppbv	
65) tert-Butylbenzene	16.75	119	168777	0.388	ppbv	# 83
67) sec-Butylbenzene	17.28	105	199935	0.326	ppbv	99
69) p-Isopropyltoluene	17.64	119	230281	0.480	ppbv	97
70) n-Butylbenzene	18.55	91	606036	1.219	ppbv	# 41
72) 4-Ethyltoluene	15.82	105	146263	0.358	ppbv	# 90
73) 1,3,5-Trimethylbenzene	15.99	105	348033	0.914	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	1143489	2.806	ppbv	# 70
78) Hexachloro-1,3-Butadiene	23.38	225	85126m	0.441	ppbv	

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Quant Time: Apr 04 16:33:49 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)
79) Naphthalene	22.19	128	488507m	2.054	ppbv	
80) Naphthalene,2-methyl-	24.96	142	203703	4.344	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	49799m	0.339	ppbv	

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

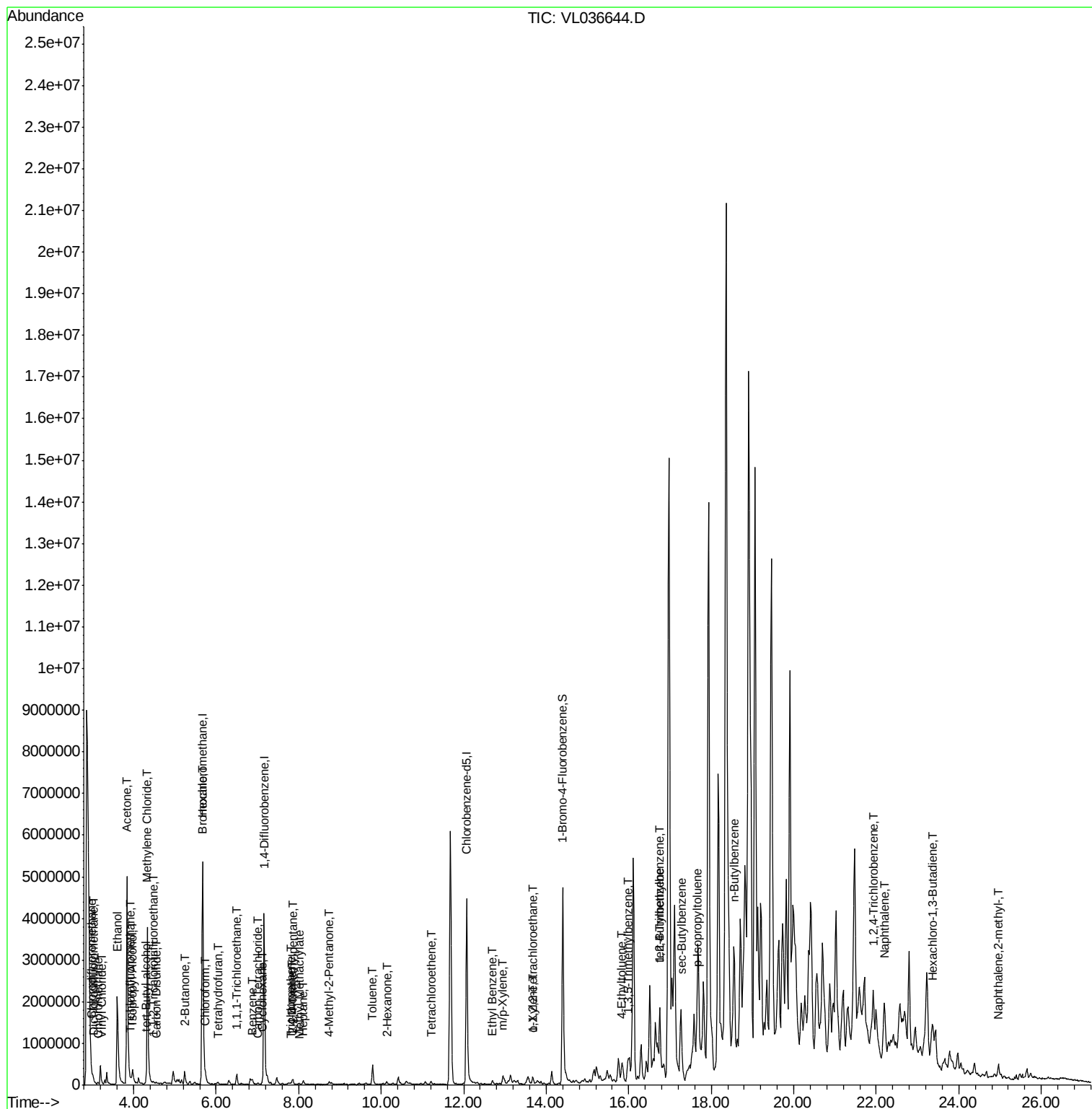
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Data File : VL036644.D
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Operator : SY/AP
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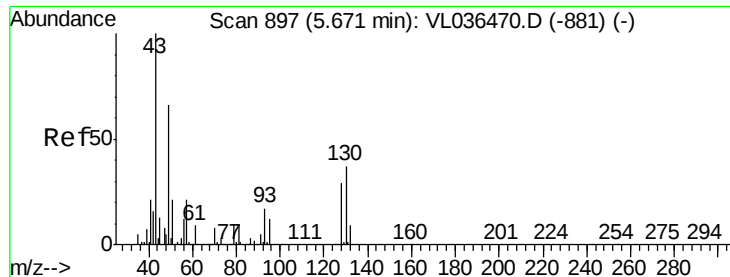
Instrument :
MSVOA_L
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-05(2021)

Tot Ion: 49 Resp: 1352954

Ion Ratio Lower Upper

49 100

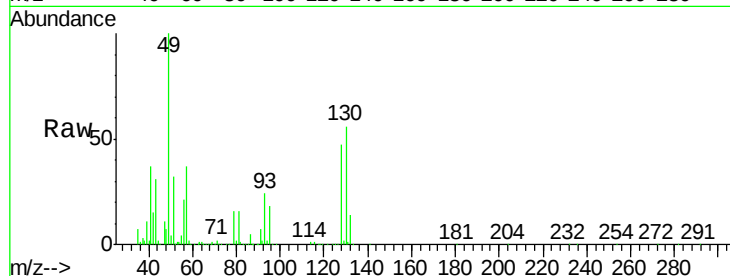
128 47.4 23.5 70.6

130 60.7 29.1 87.4

Manual Integrations
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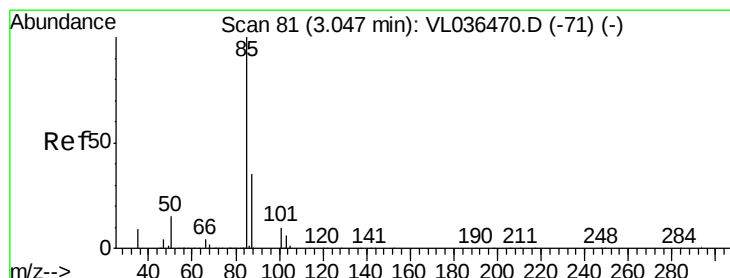
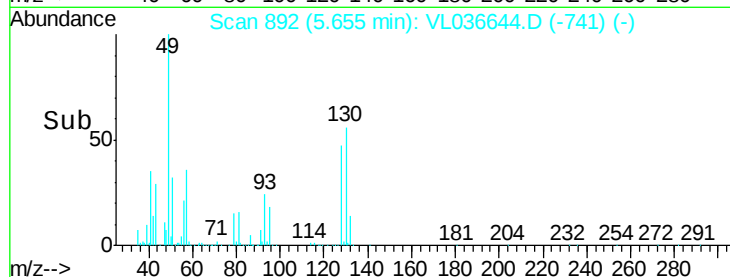
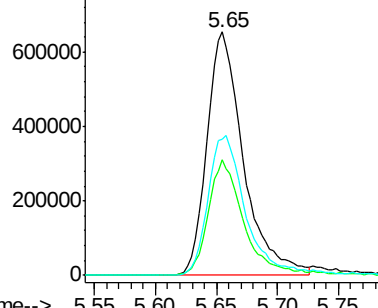
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.159 ppbv m

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL036644.D

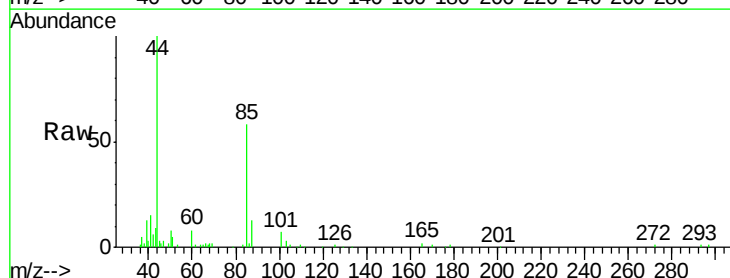
Acq: 2 Apr 2021 14:26

Tgt Ion: 85 Resp: 35168

Ion Ratio Lower Upper

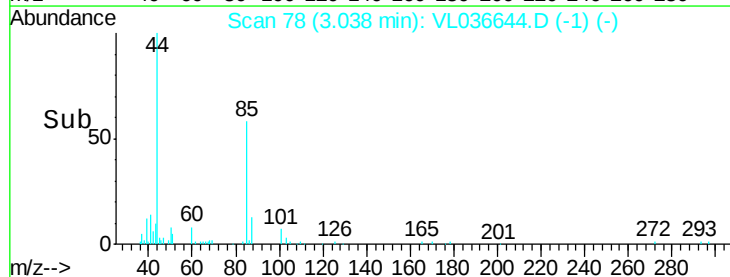
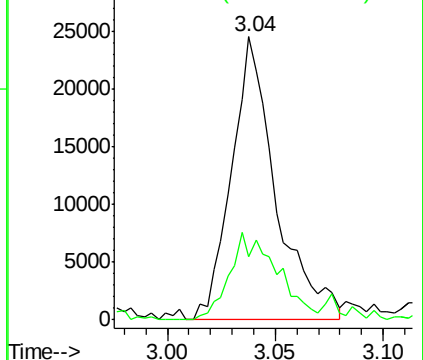
85 100

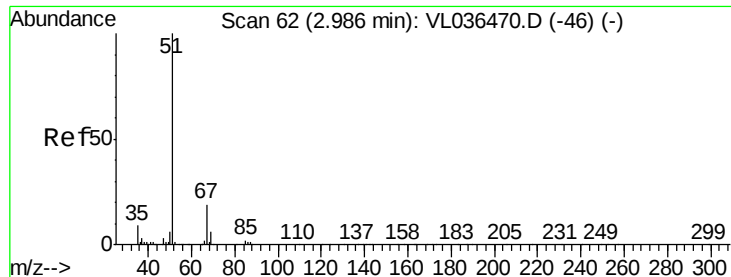
87 22.3 27.8 41.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.370 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-05(2021)

Tot Ion: 51 Resp: 93606

Ion Ratio Lower Upper

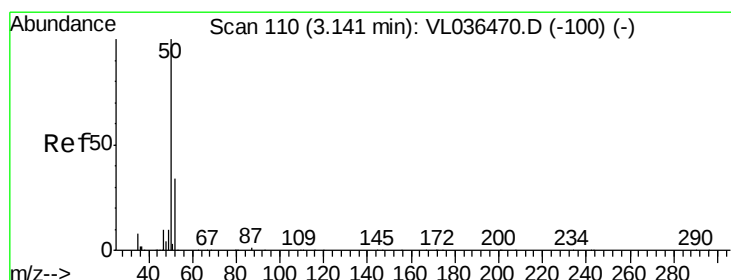
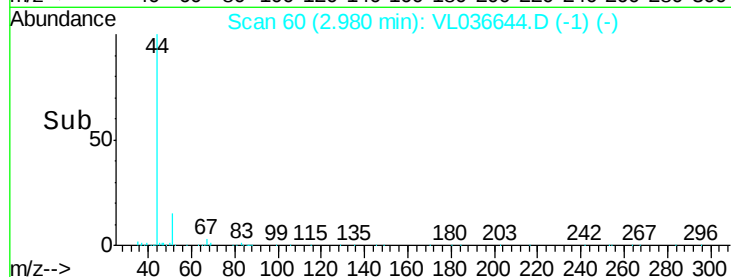
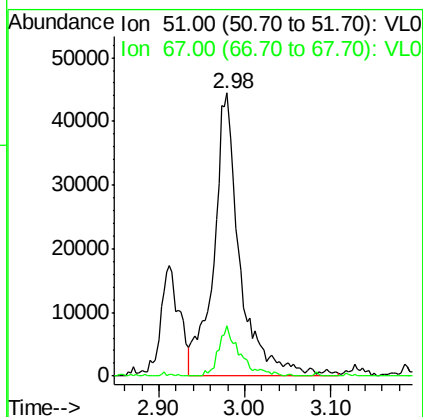
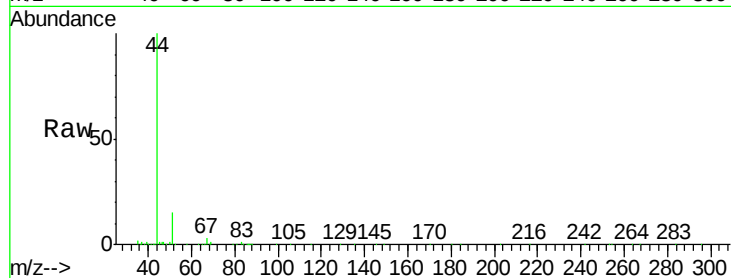
51 100

67 14.5 14.7 22.1#

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#4

Chloromethane

Concen: 0.408 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL036644.D

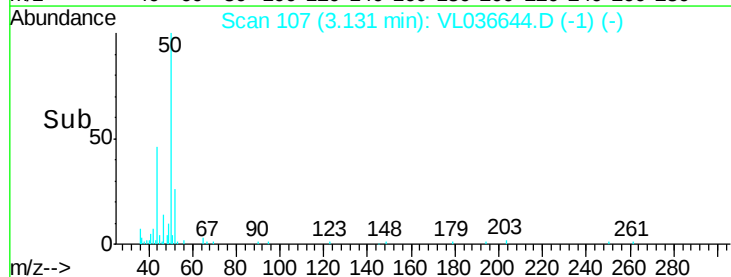
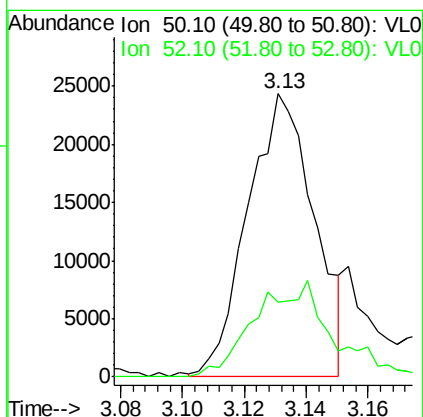
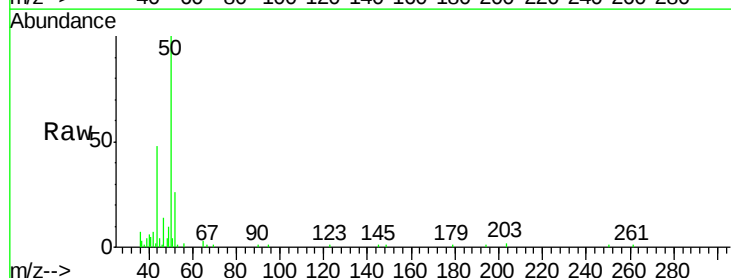
Acq: 2 Apr 2021 14:26

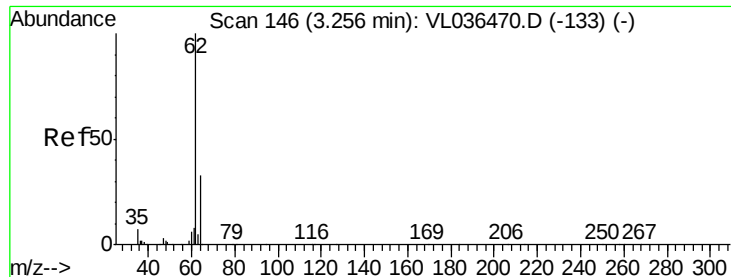
Tgt Ion: 50 Resp: 36389

Ion Ratio Lower Upper

50 100

52 26.6 27.0 40.6#





#5

Vinyl Chloride

Concen: 0.044 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-05(2021)

Tot Ion: 62 Resp: 4015

Ion Ratio Lower Upper

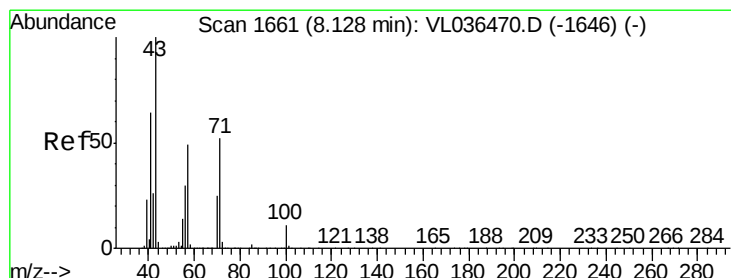
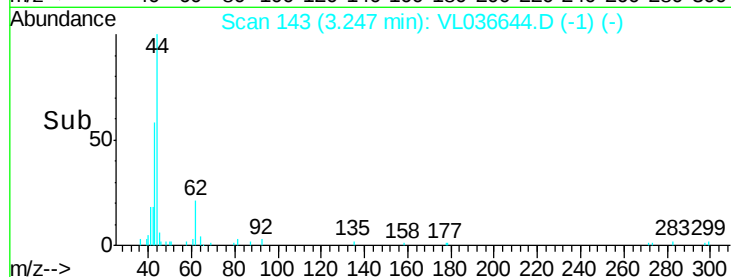
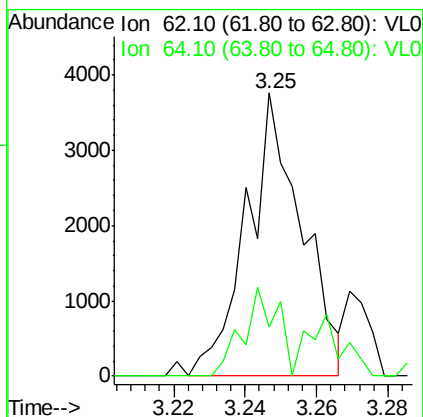
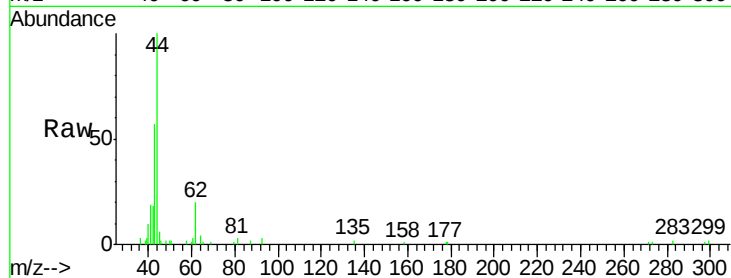
62 100

64 17.6 26.4 39.6#

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#10

Heptane

Concen: 0.198 ppbv m

RT: 8.11 min Scan# 1654

Delta R.T. -0.02 min

Lab File: VL036644.D

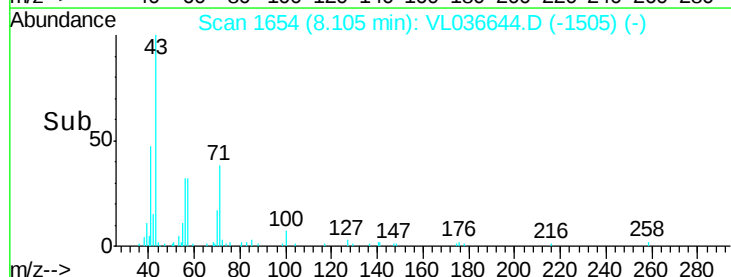
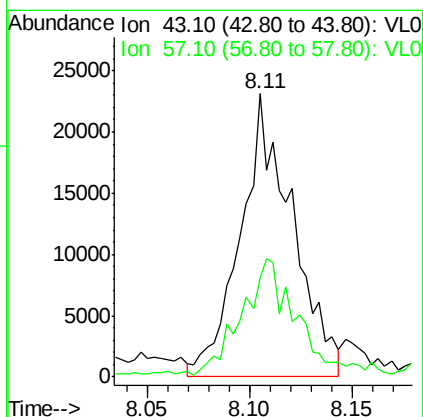
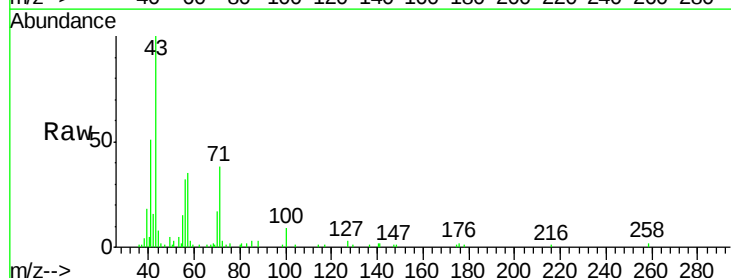
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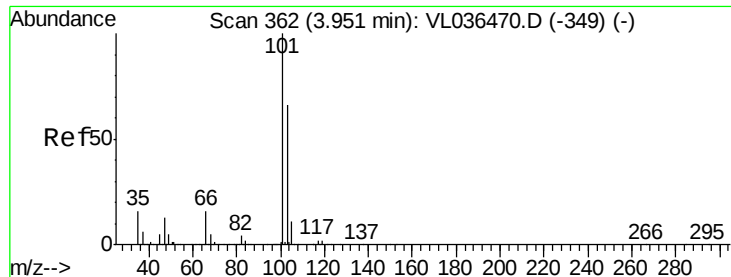
Tgt Ion: 43 Resp: 40583

Ion Ratio Lower Upper

43 100

57 48.3 39.0 58.6





#11

Trichlorofluoromethane

Concen: 0.191 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.01 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-05(2021)

Tot Ion:101 Resp: 42917

Ion Ratio Lower Upper

101 100

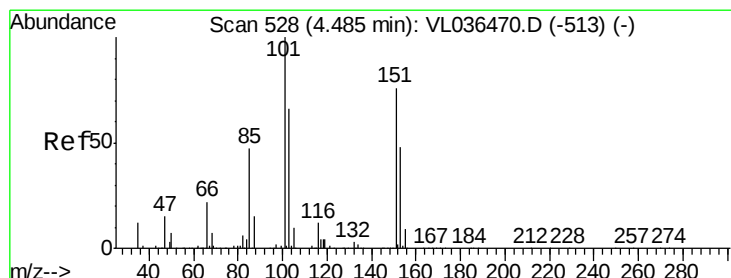
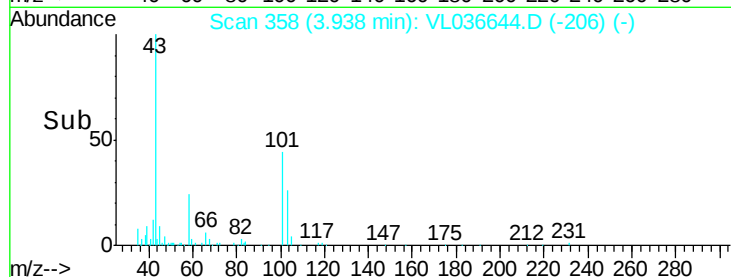
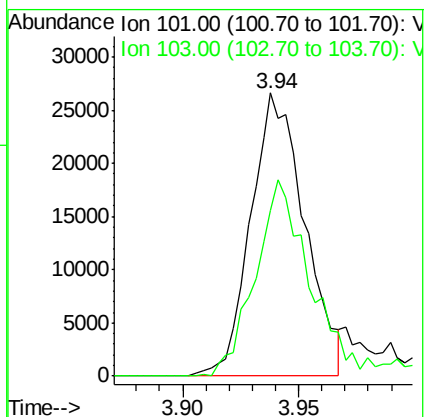
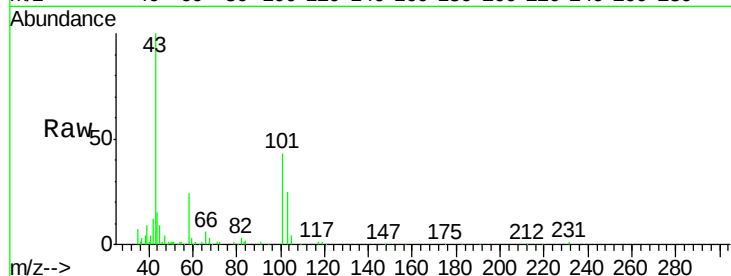
103 58.6 52.5 78.7

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.099 ppbv m

RT: 4.48 min Scan# 527

Delta R.T. -0.00 min

Lab File: VL036644.D

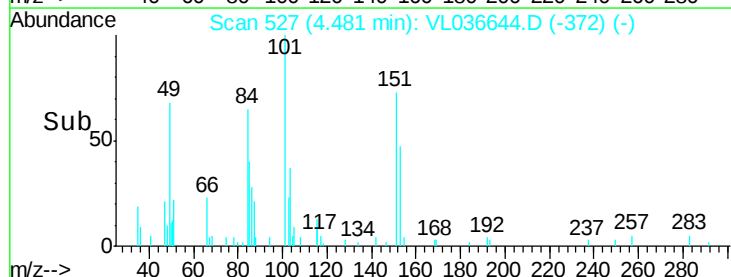
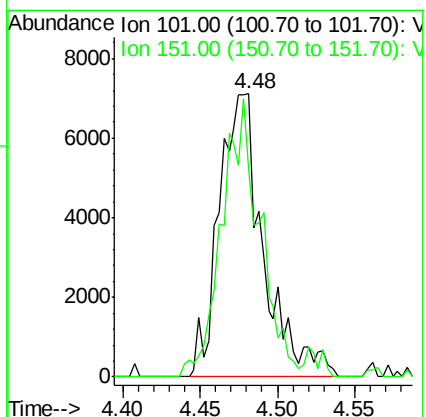
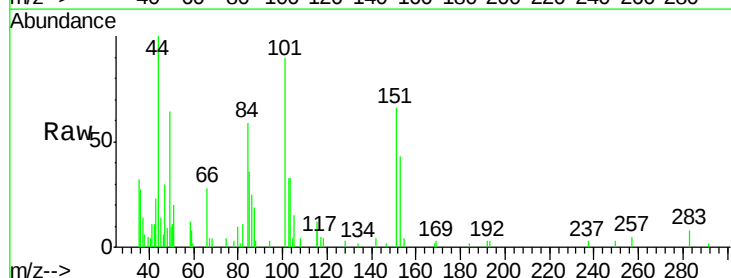
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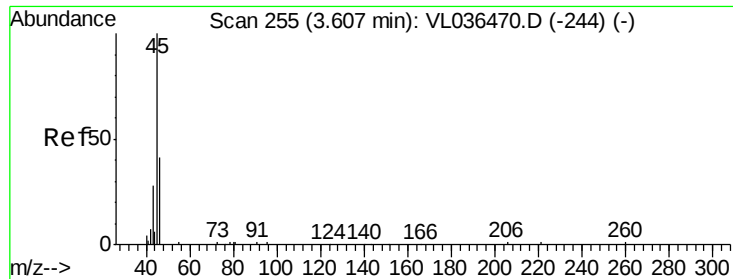
Tgt Ion:101 Resp: 14178

Ion Ratio Lower Upper

101 100

151 0.0 60.9 91.3#





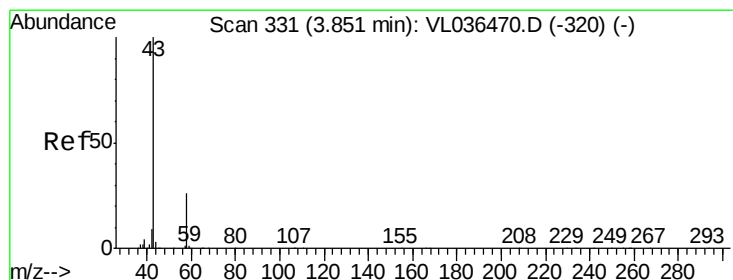
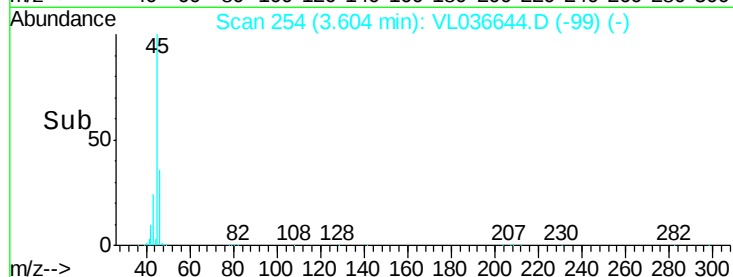
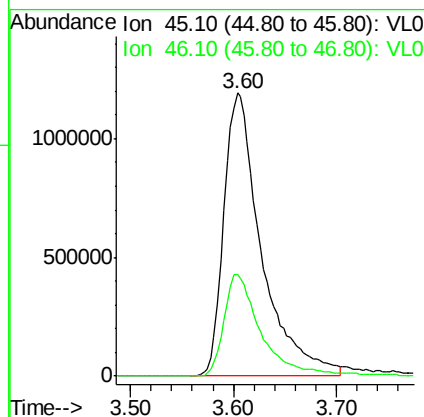
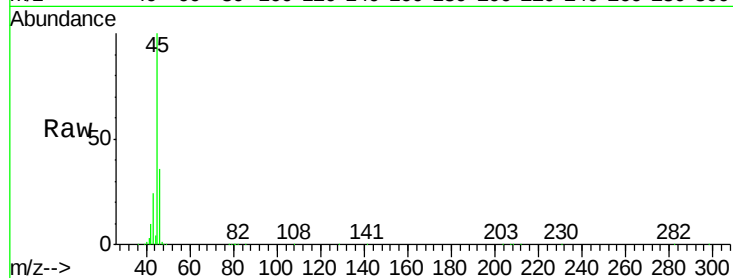
#13
Ethanol
Concen: 316.486 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-05(2021)

Tot Ion: 45 Resp: 3037134
Ion Ratio Lower Upper
45 100
46 36.3 16.6 66.2

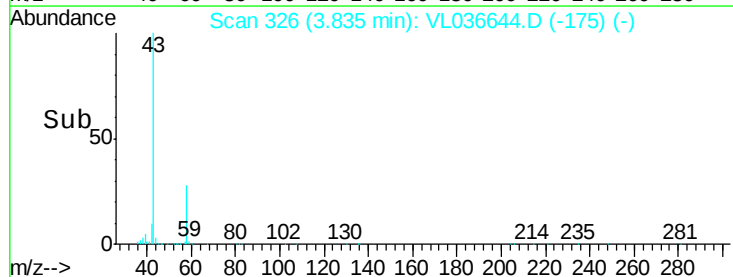
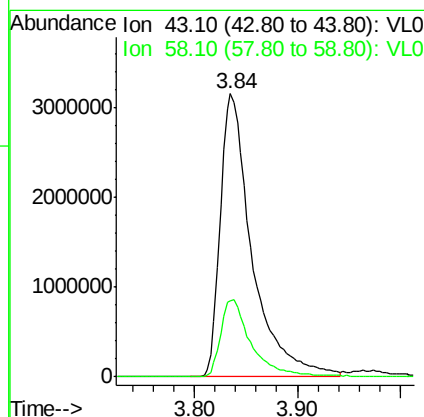
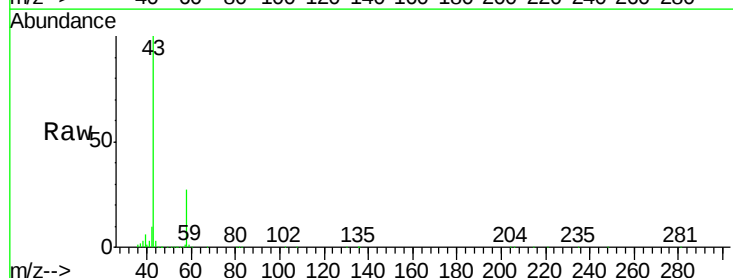
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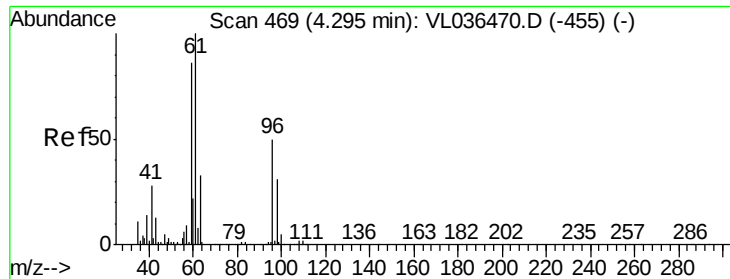
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#15
Acetone
Concen: 50.614 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Tgt Ion: 43 Resp: 6739910
Ion Ratio Lower Upper
43 100
58 27.1 21.2 31.8





#17

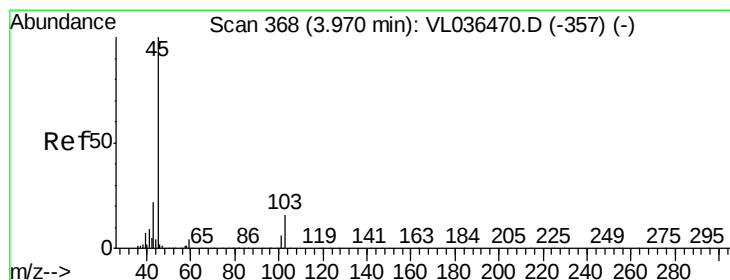
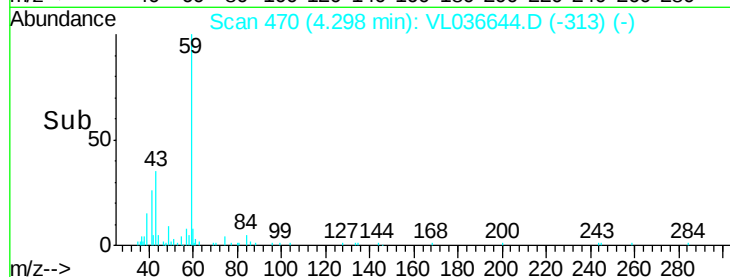
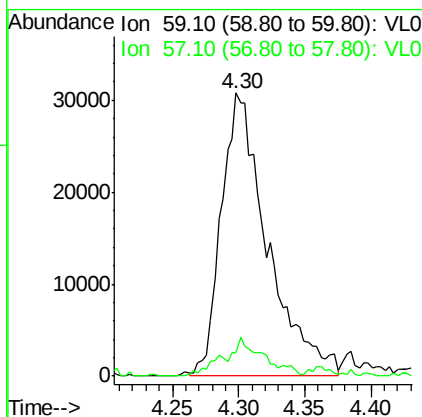
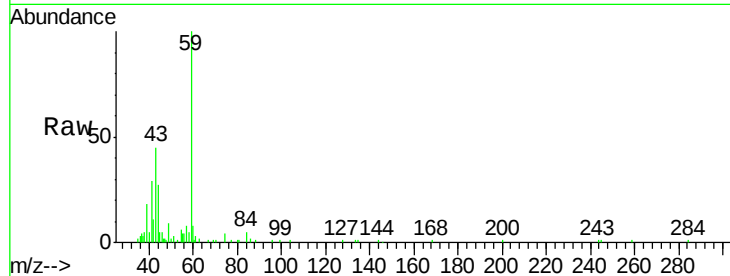
tert-Butyl alcohol
Concen: 0.644 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-05(2021)

Tot Ion: 59 Resp: 74709
Ion Ratio Lower Upper
59 100
57 13.5 8.6 12.8#

Manual Integrations
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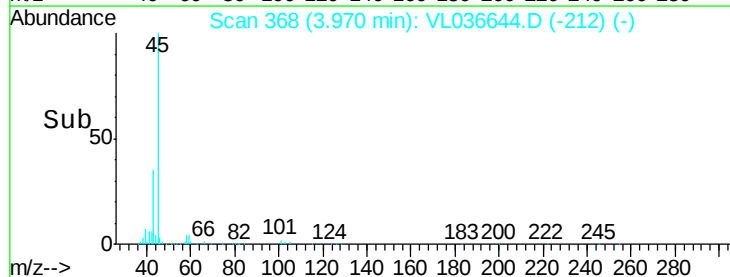
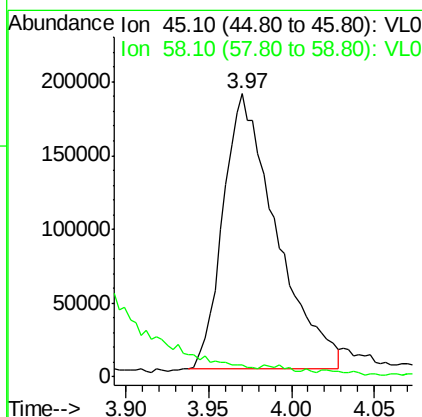
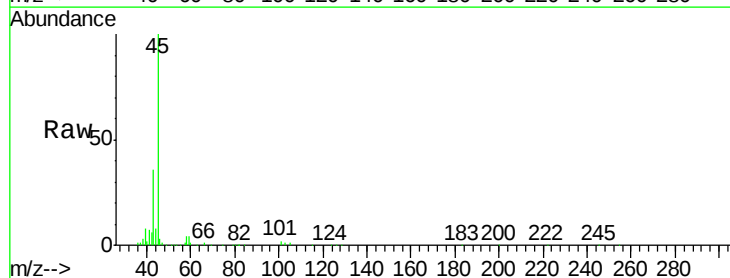
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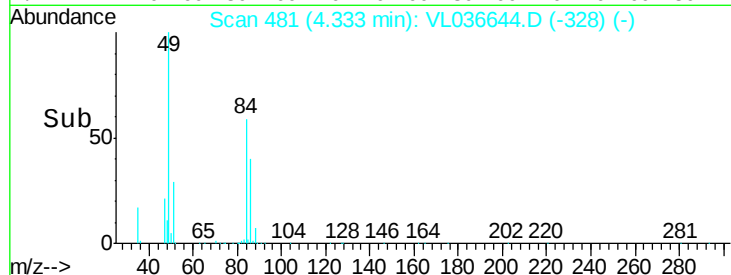
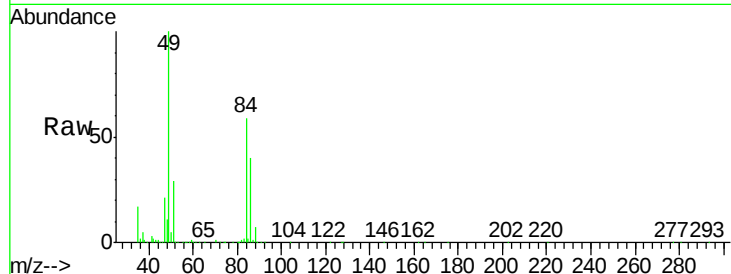
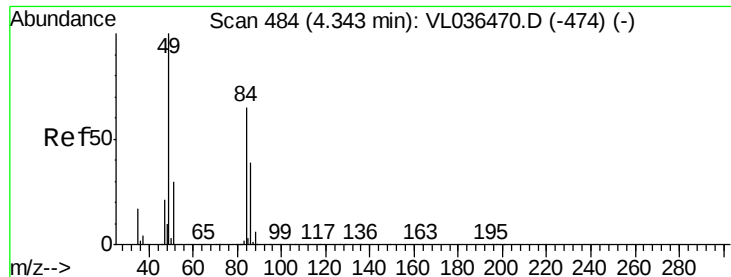


#19

Isopropyl Alcohol
Concen: 5.655 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.00 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Tgt Ion: 45 Resp: 414276
Ion Ratio Lower Upper
45 100
58 441.5 2.9 4.3#





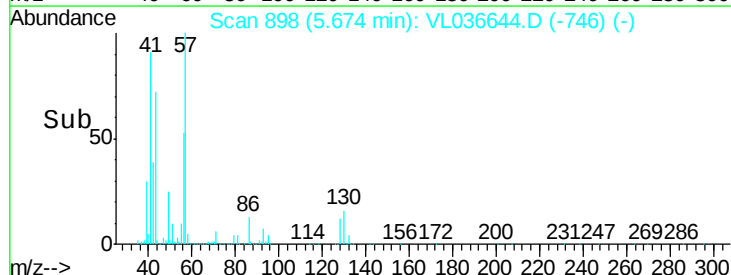
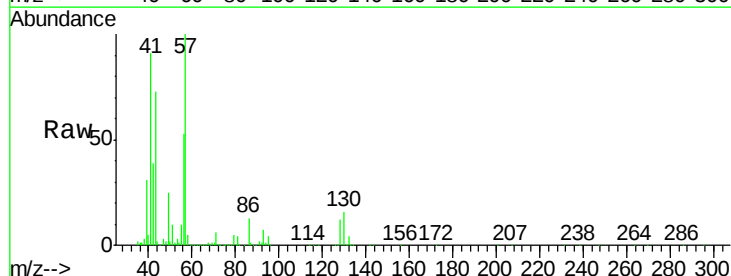
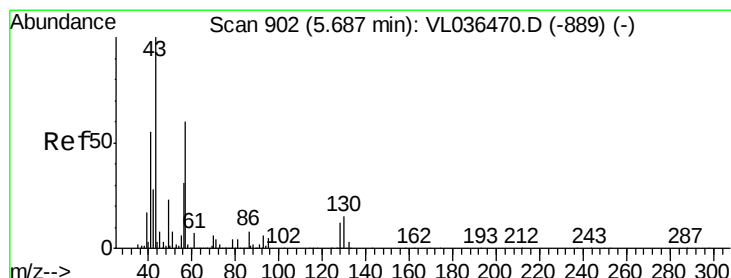
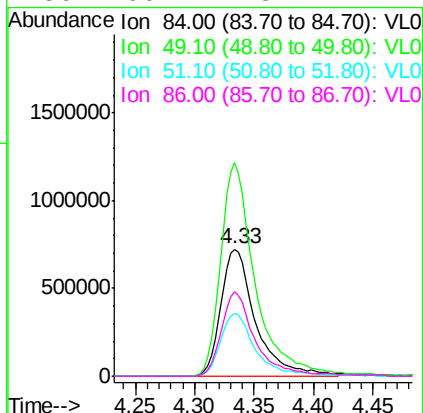
#20
Methvlene Chloride
Concen: 23.445 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Tot Ion	84	Resp	1461735
Ion	Ratio	Lower	Upper
84	100		
49	168.4	122.9	184.3
51	49.6	36.9	55.3
86	66.7	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-05(2021)

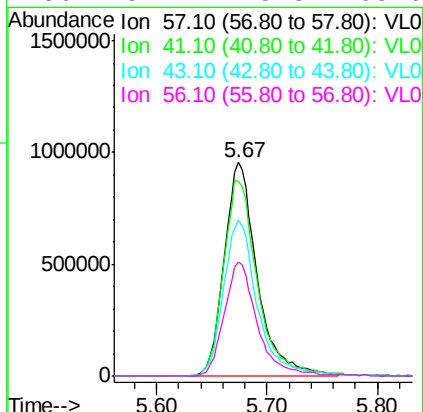
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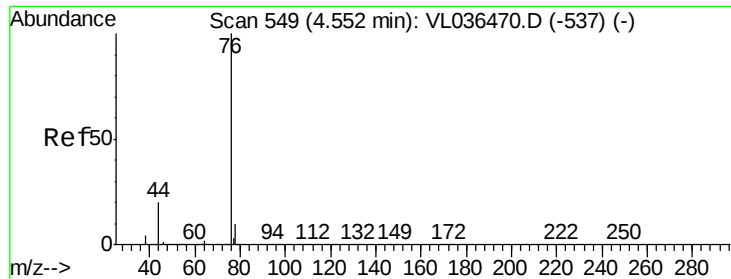
apatel
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#26
Hexane
Concen: 13.432 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Tgt Ion	57	Resp	1973395
Ion	Ratio	Lower	Upper
57	100		
41	95.5	77.2	115.8
43	75.0	173.8	260.6#
56	54.2	43.8	65.6





#27

Carbon Disulfide

Concen: 0.270 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Instrument :

MSVOA_L

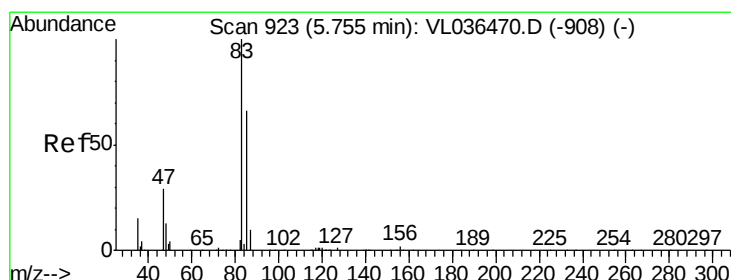
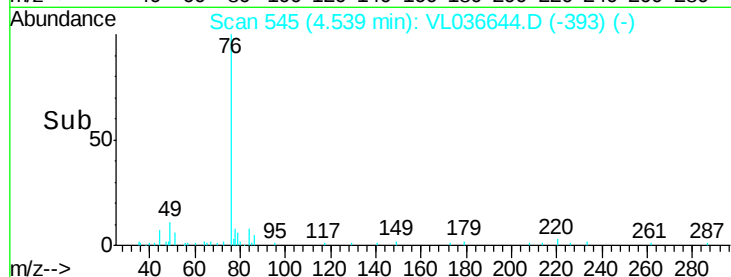
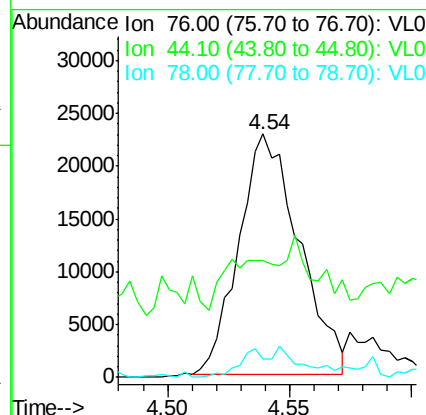
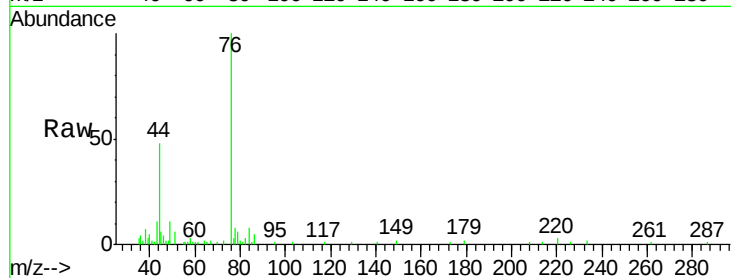
ClientSampleId :

MF-SG-05(2021)

Tot Ion:	76	Resp:	39099
Ion	Ratio	Lower	Upper
76	100		
44	40.9	17.5	26.3#
78	14.1	8.6	13.0#

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#29

Chloroform

Concen: 0.382 ppbv m

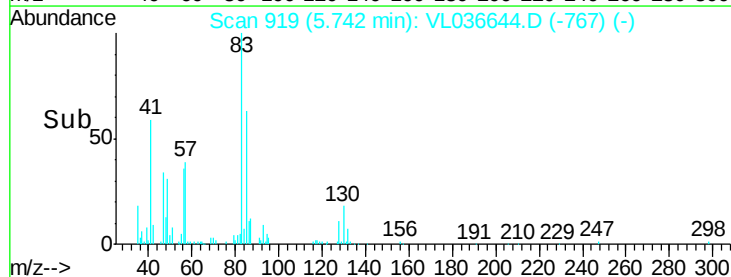
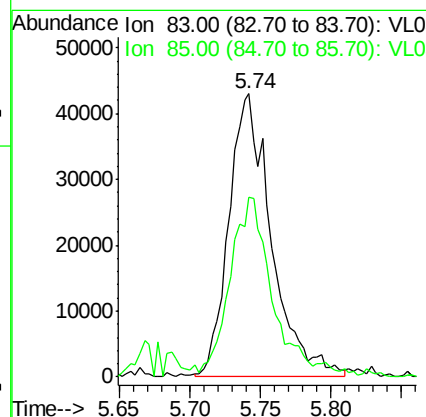
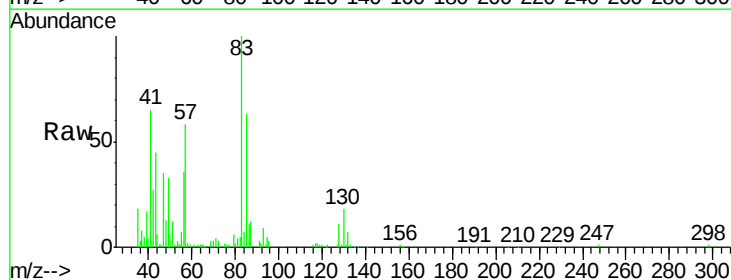
RT: 5.74 min Scan# 919

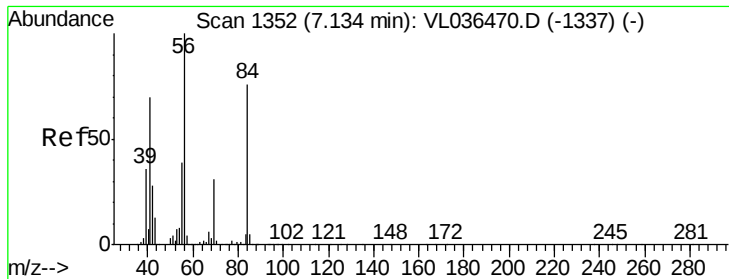
Delta R.T. -0.01 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Tgt Ion:	83	Resp:	89865
Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.6	78.8





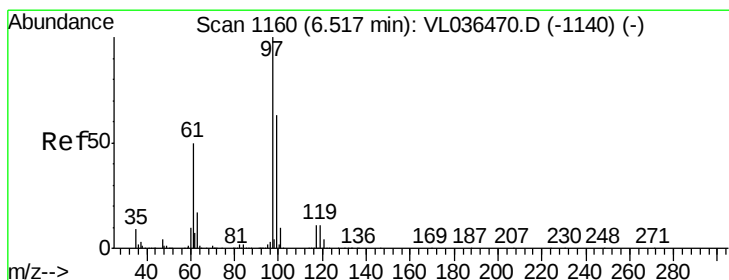
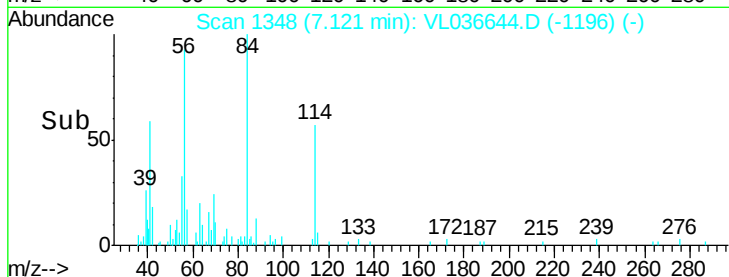
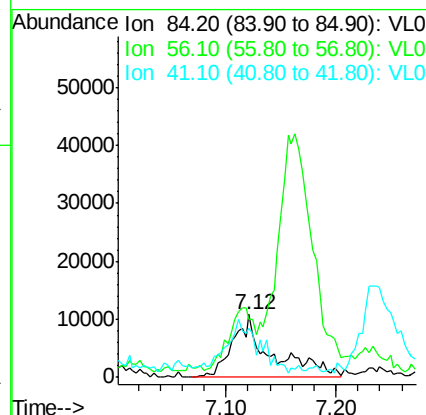
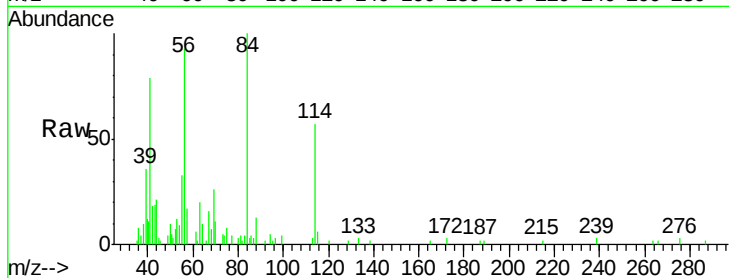
#30
Cvclohexane
Concen: 0.226 ppbv m
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-05(2021)

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	114.6	171.8#
41	91.5	75.3	112.9

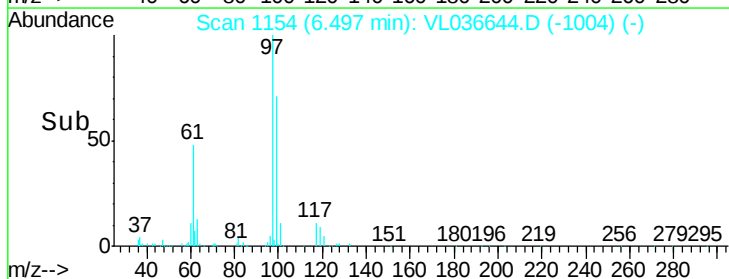
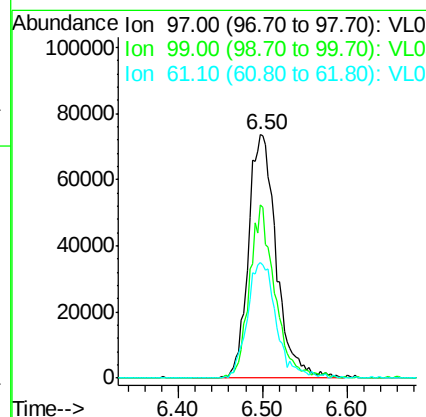
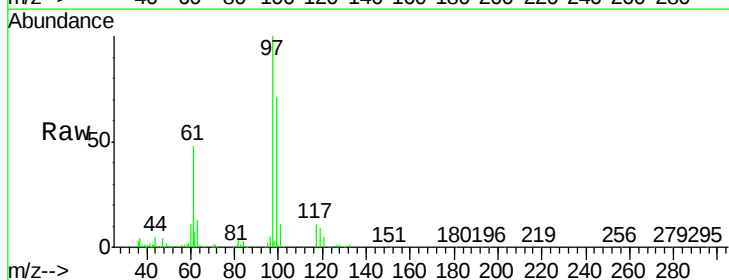
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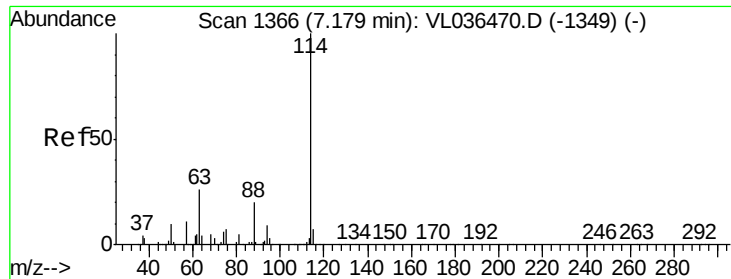
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#32
1,1,1-Trichloroethane
Concen: 0.717 ppbv m
RT: 6.50 min Scan# 1154
Delta R.T. -0.02 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.0
61	49.8	40.6	60.8





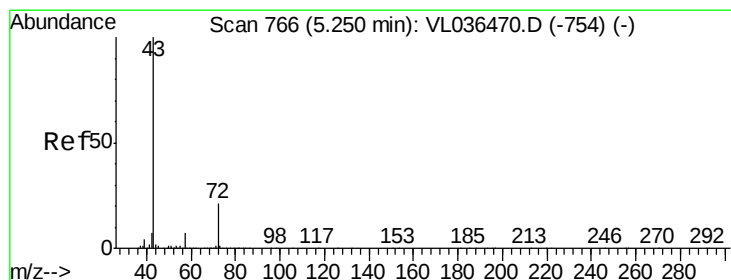
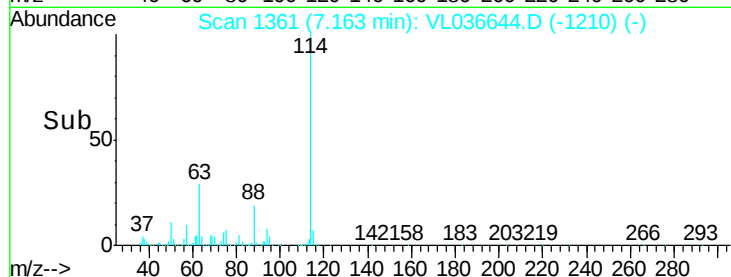
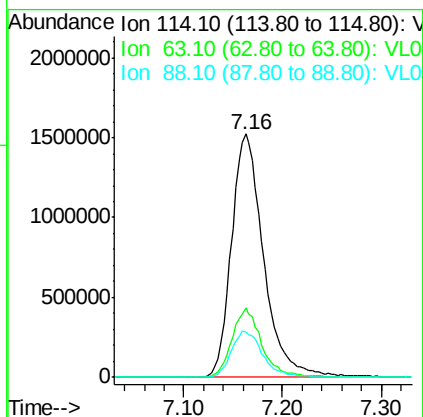
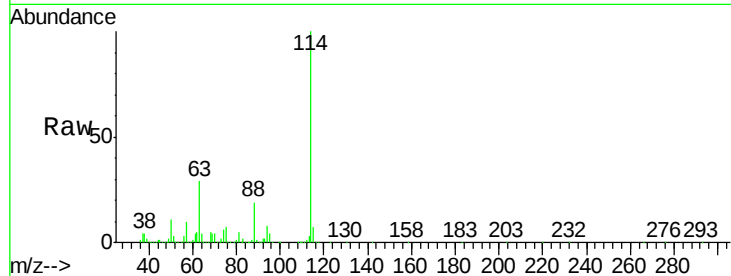
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL036644.D
 Acq: 2 Apr 2021 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-05(2021)

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.8	22.4	33.6
88	19.0	15.4	23.0

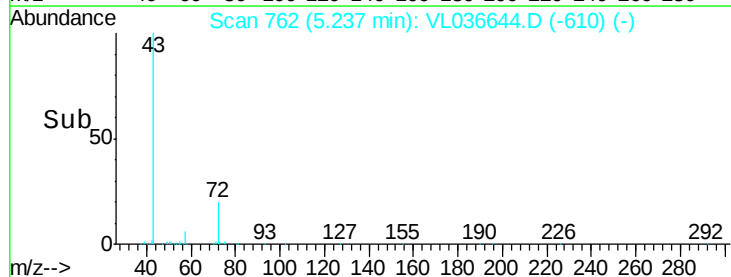
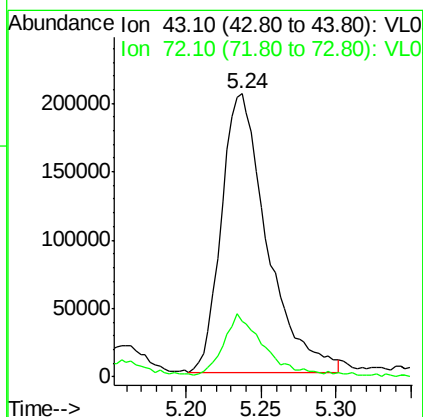
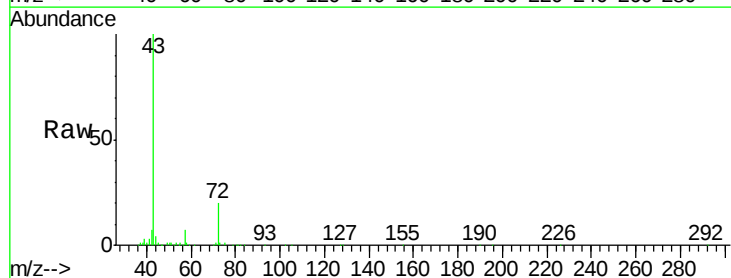
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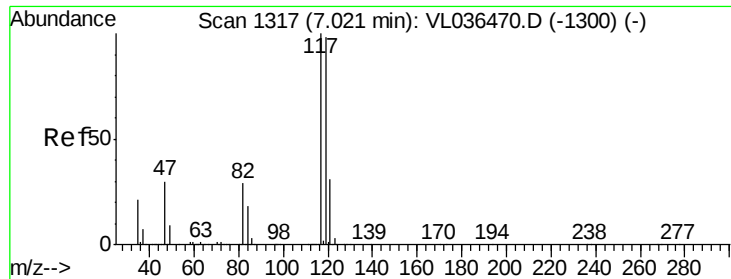
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#34
 2-Butanone
 Concen: 2.600 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL036644.D
 Acq: 2 Apr 2021 14:26

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.0	25.6





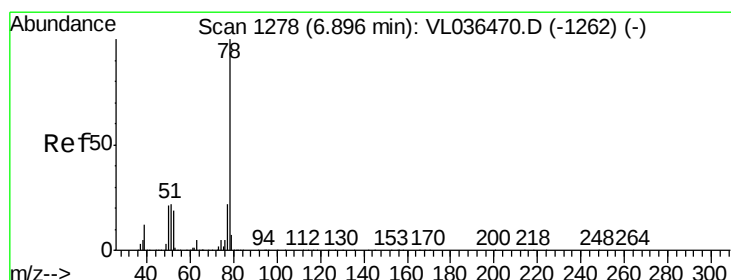
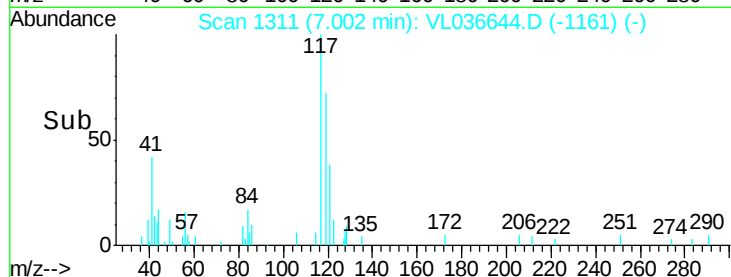
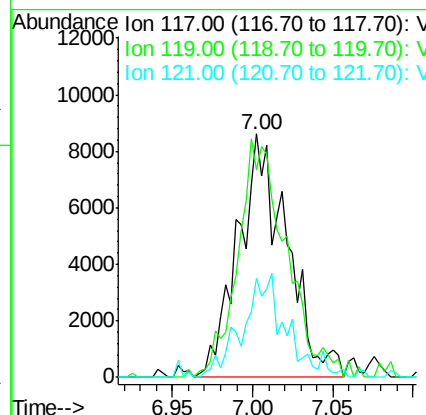
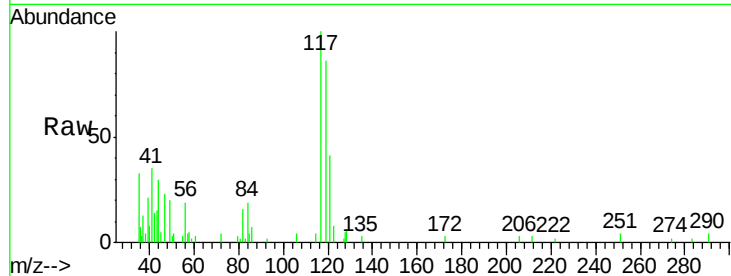
#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 7.00 min Scan# 1311
Delta R.T. -0.02 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-05(2021)

Tot Ion	Ratio	Lower	Upper
117	100		
119	85.5	78.2	117.2
121	40.7	24.5	36.7#

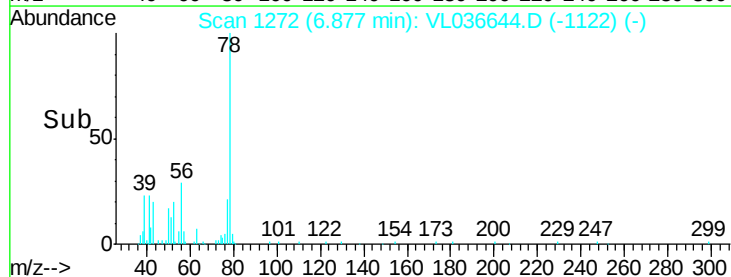
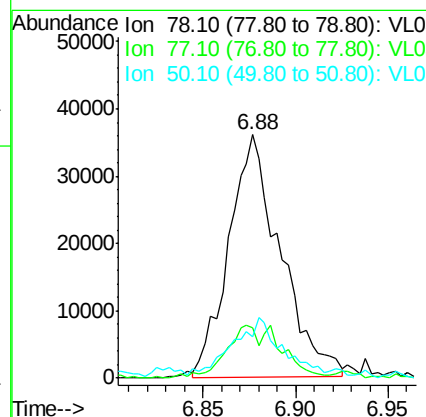
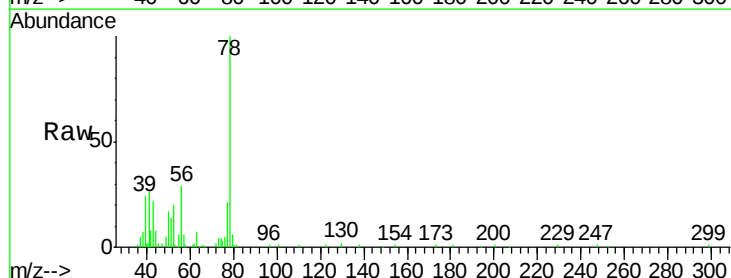
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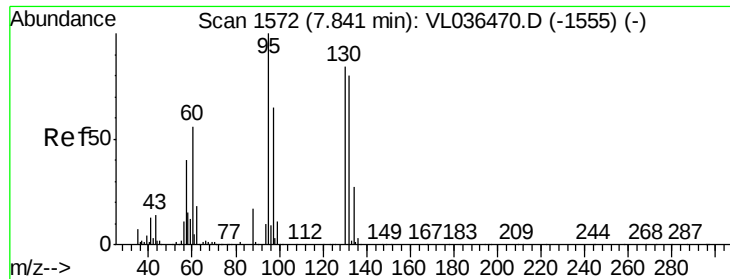
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#36
Benzene
Concen: 0.220 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. -0.02 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.0	18.0	27.0
50	13.8	16.5	24.7#





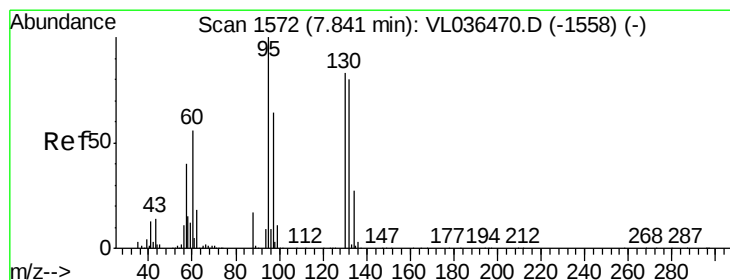
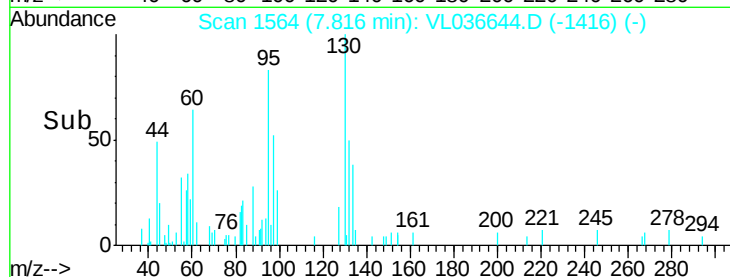
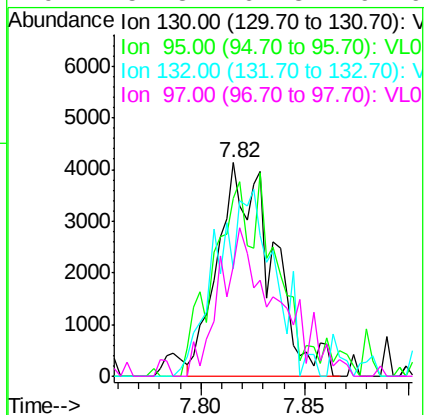
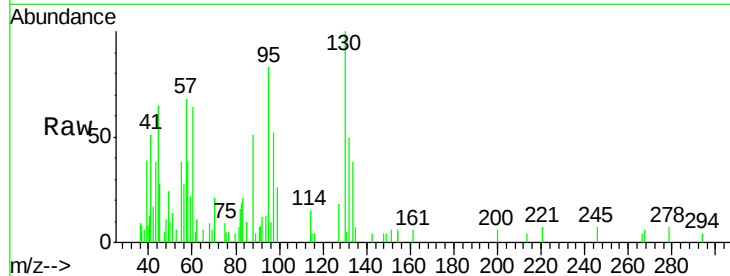
#38
 Trichloroethene
 Concen: 0.062 ppbv m
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.03 min
 Lab File: VL036644.D
 Acq: 2 Apr 2021 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-05(2021)

Tot Ion	Ratio	Lower	Upper
130	100		
95	83.4	95.7	143.5#
132	50.2	76.2	114.4#
97	51.8	61.8	92.6#

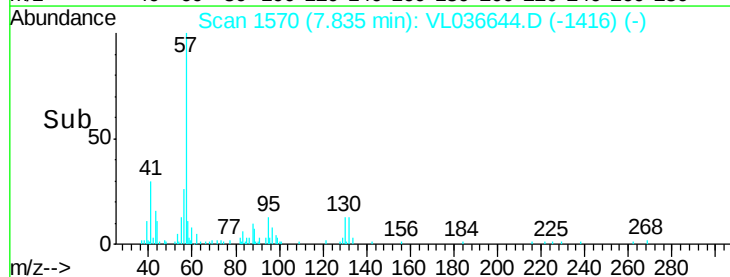
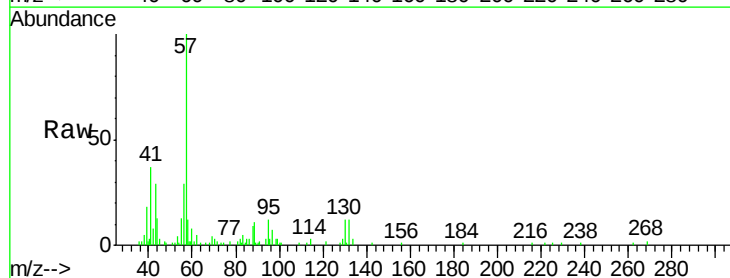
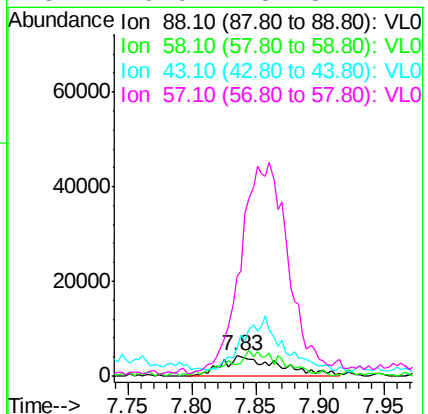
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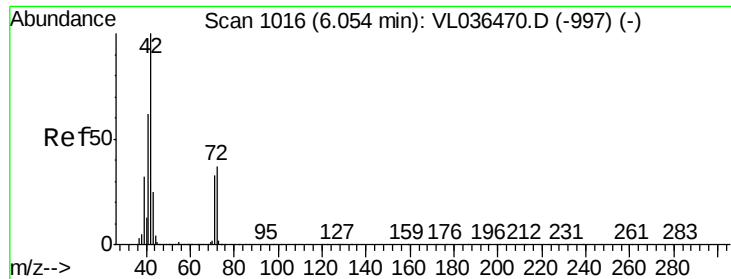
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#40
 1,4-Dioxane
 Concen: 0.441 ppbv m
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL036644.D
 Acq: 2 Apr 2021 14:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	134.1	201.1#
43	0.0	346.6	520.0#
57	0.0	1481.8	2222.8#





#41

Tetrahydrofuran

Concen: 0.453 ppbv m

RT: 6.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Instrument :

MSVOA_L

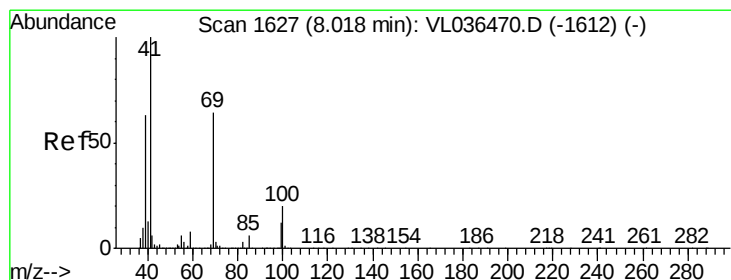
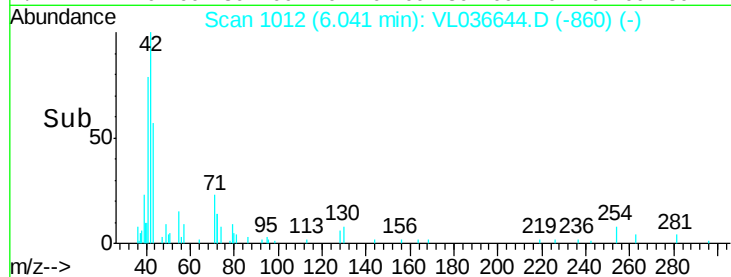
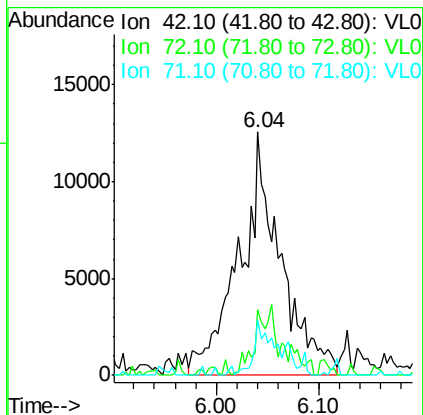
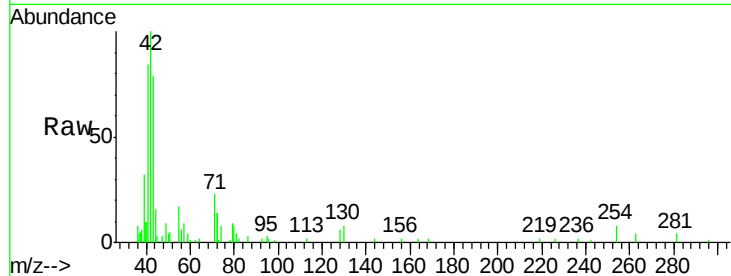
ClientSampleId :

MF-SG-05(2021)

Tot Ion:	42	Resp:	34870
Ion Ratio		Lower	Upper
42	100		
72	20.4	27.6	41.4#
71	14.1	27.0	40.4#

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#43

Methyl Methacrylate

Concen: 0.103 ppbv m

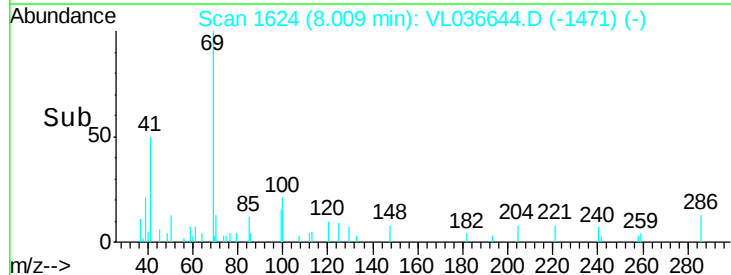
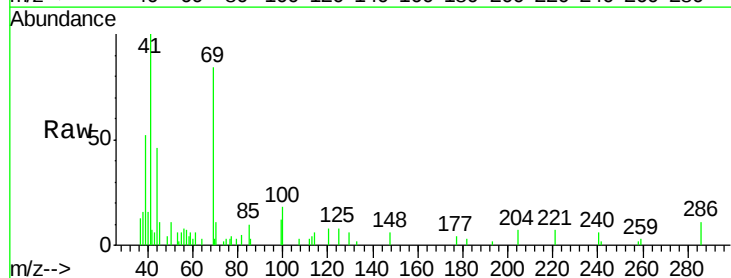
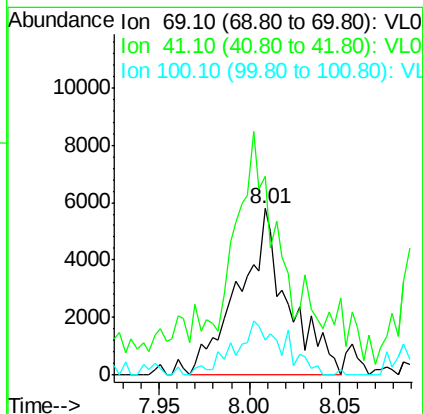
RT: 8.01 min Scan# 1624

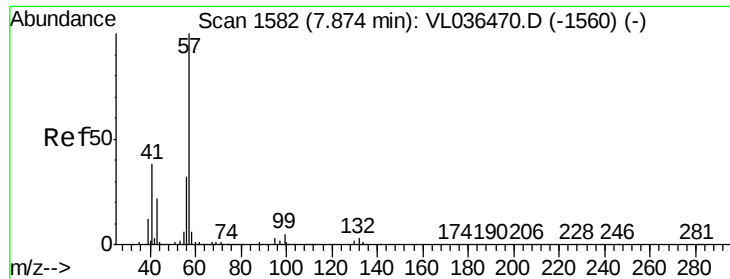
Delta R.T. -0.01 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Tgt Ion:	69	Resp:	10880
Ion Ratio		Lower	Upper
69	100		
41	172.5	126.8	190.2
100	32.6	24.9	37.3





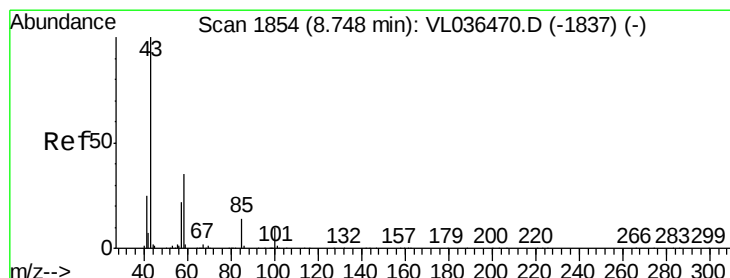
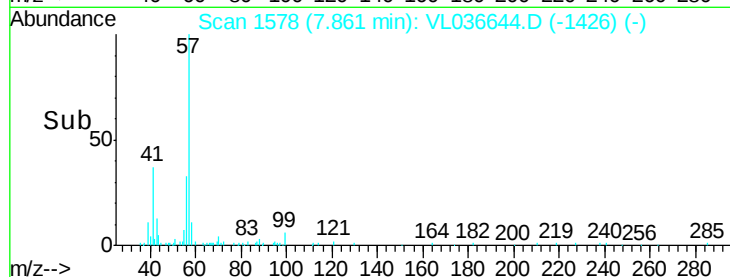
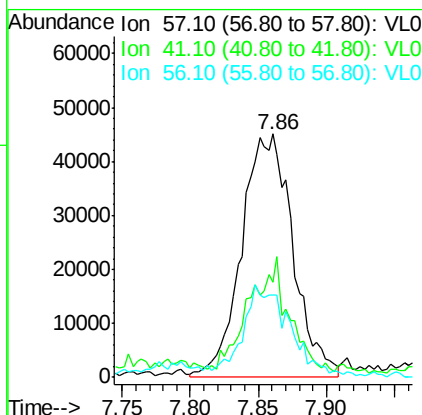
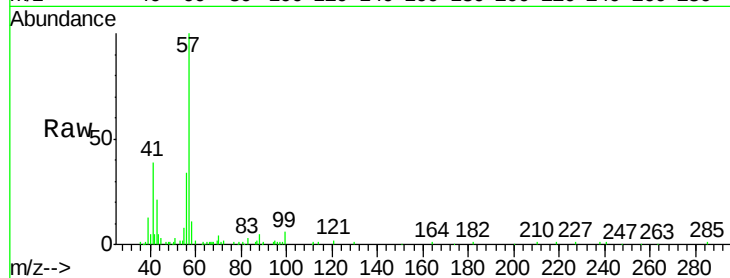
#44
 2,2,4-Trimethylpentane
 Concen: 0.212 ppbv m
 RT: 7.86 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: VL036644.D
 Acq: 2 Apr 2021 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-05(2021)

Tot Ion	Ratio	Lower	Upper
57	100		
41	42.6	28.8	43.2
56	0.0	26.1	39.1#

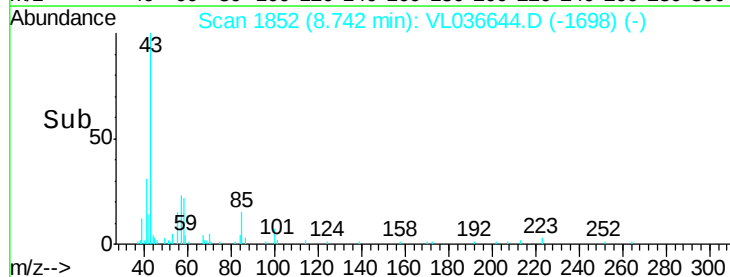
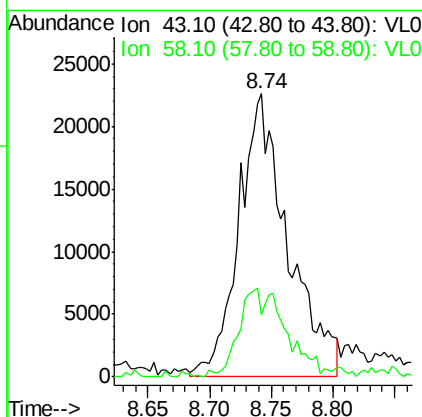
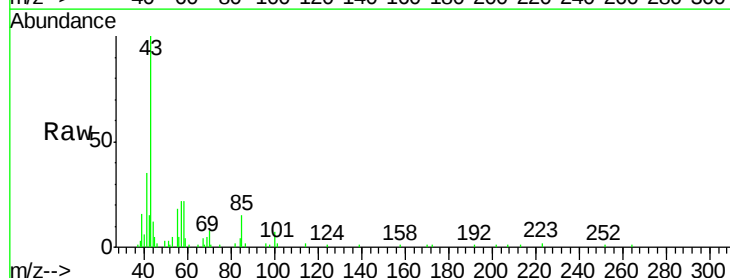
Manual Integrations
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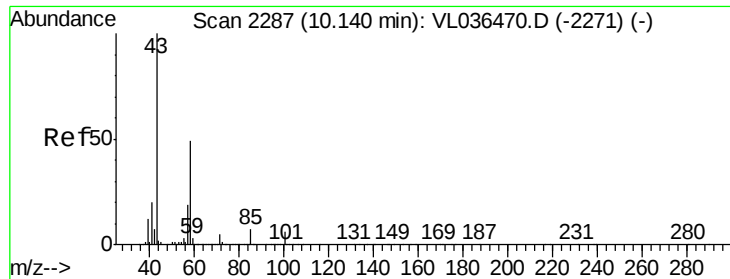
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#50
 4-Methyl-2-Pentanone
 Concen: 0.258 ppbv m
 RT: 8.74 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: VL036644.D
 Acq: 2 Apr 2021 14:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.2	42.2#





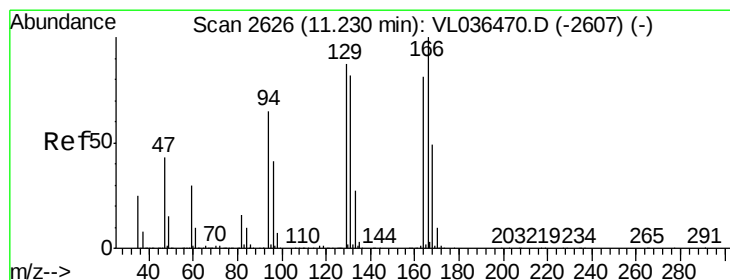
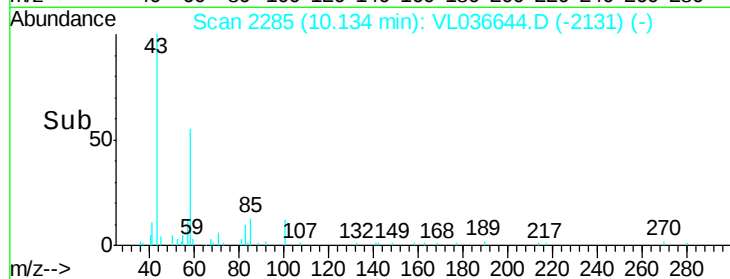
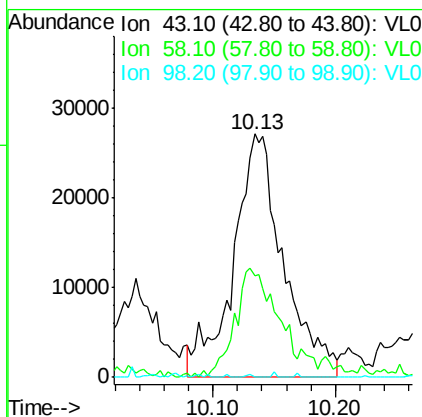
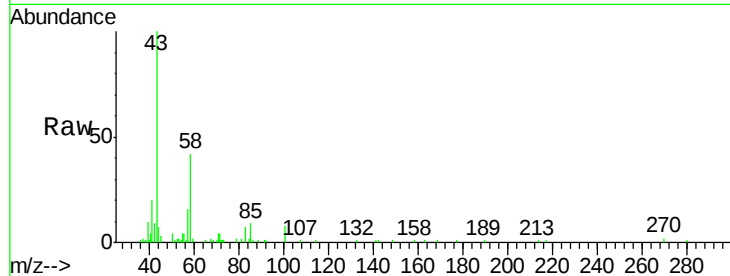
#51
2-Hexanone
Concen: 0.630 ppbv m
RT: 10.13 min Scan# 2285
Delta R.T. -0.01 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-05(2021)

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	37.7	56.5#
98	0.1	0.2	0.2#

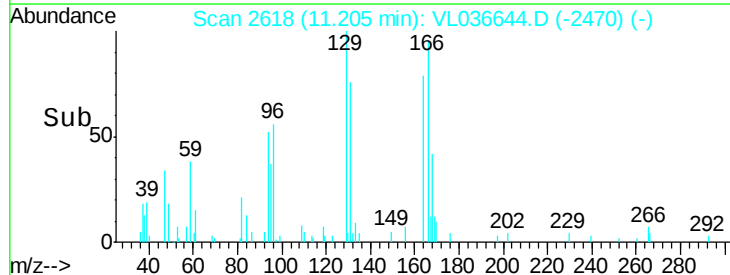
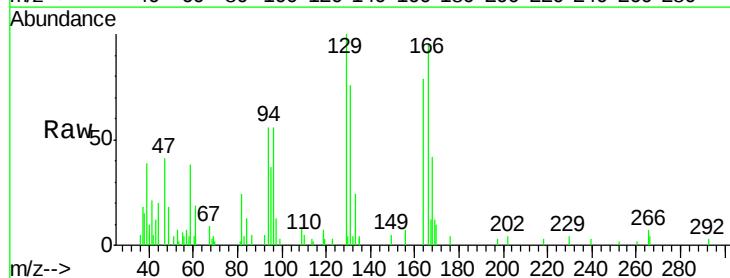
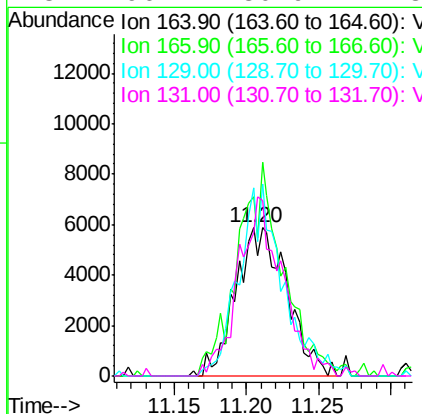
Manual Integrations
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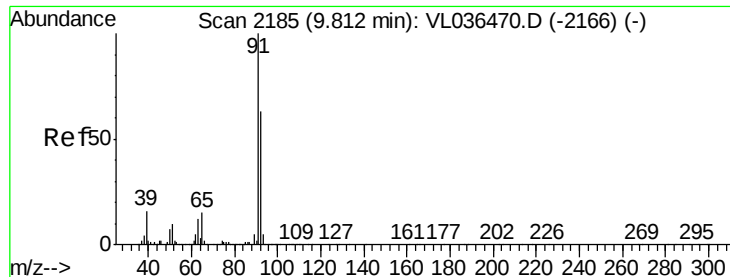
apatel
4/5/2021 1:13:52 PM



#52
Tetrachloroethene
Concen: 0.126 ppbv m
RT: 11.20 min Scan# 2618
Delta R.T. -0.03 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.7	98.3	147.5
129	127.4	85.8	128.8
131	96.4	80.9	121.3





#53

Toluene

Concen: 1.107 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-05(2021)

Tot Ion: 91 Resp: 371796

Ion Ratio Lower Upper

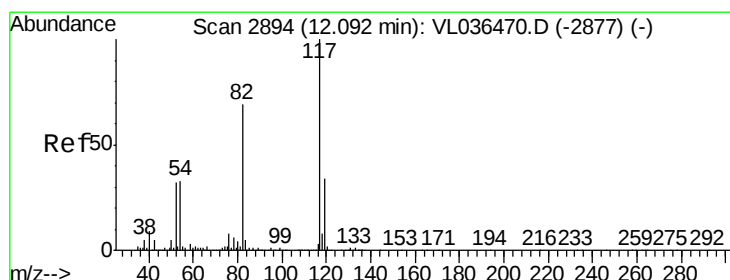
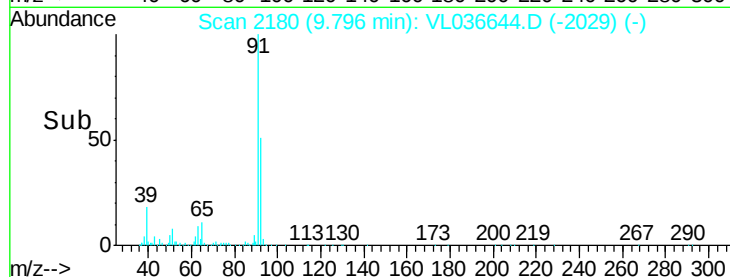
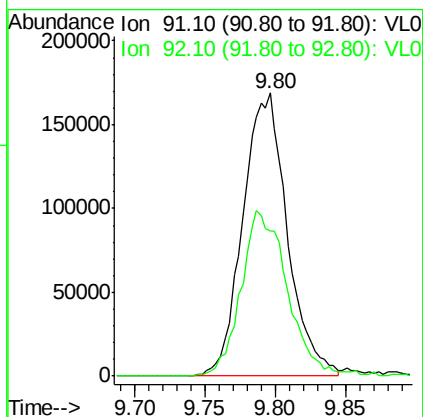
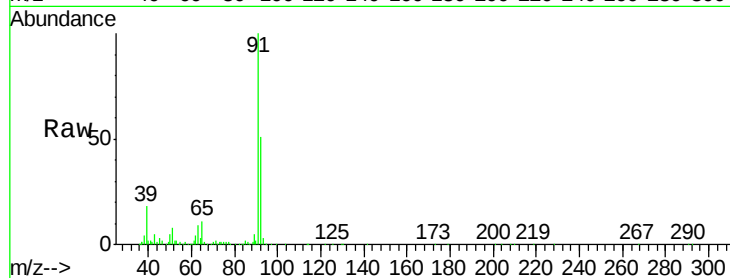
91 100

92 61.5 48.8 73.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.02 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

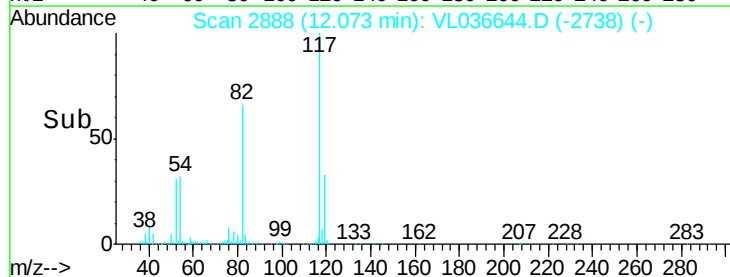
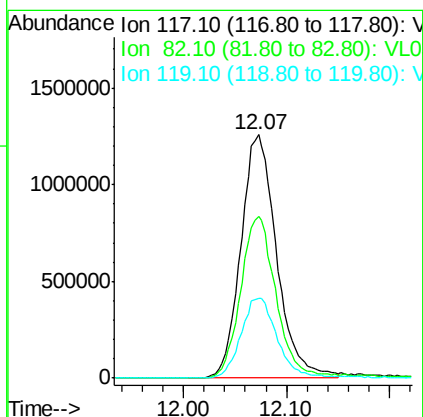
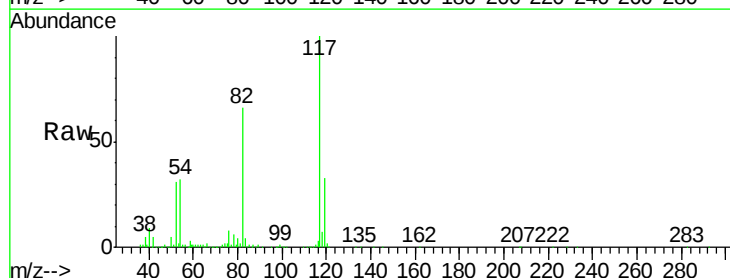
Tgt Ion: 117 Resp: 3034929

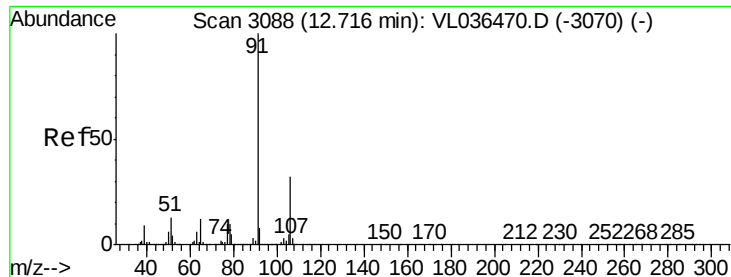
Ion Ratio Lower Upper

117 100

82 67.7 57.4 86.0

119 33.9 47.4 71.0#





#58

Ethyl Benzene

Concen: 0.172 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. -0.02 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-05(2021)

Tot Ion: 91 Resp: 76065

Ion Ratio Lower Upper

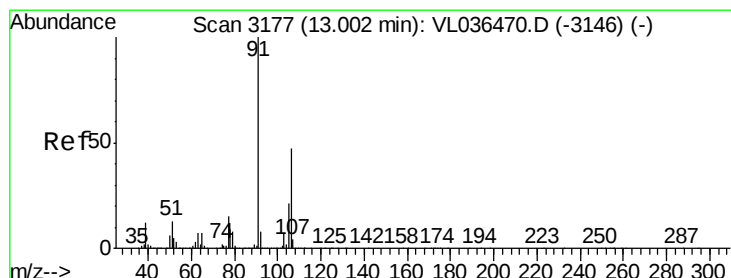
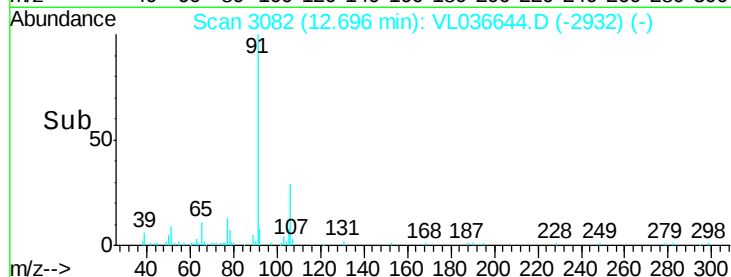
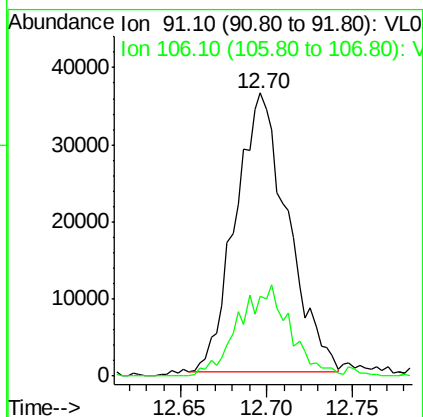
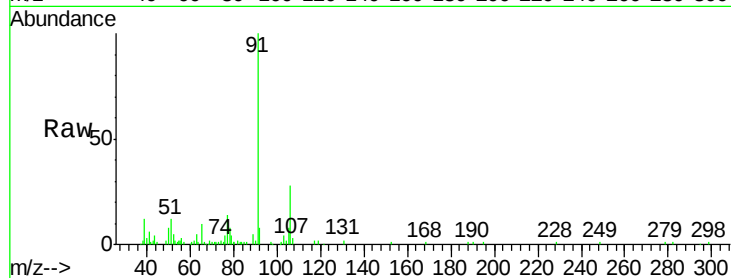
91 100

106 28.9 25.3 37.9

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#59

m/p-Xylene

Concen: 0.578 ppbv m

RT: 12.96 min Scan# 3163

Delta R.T. -0.04 min

Lab File: VL036644.D

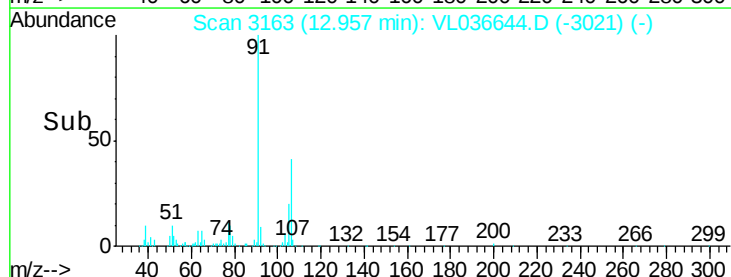
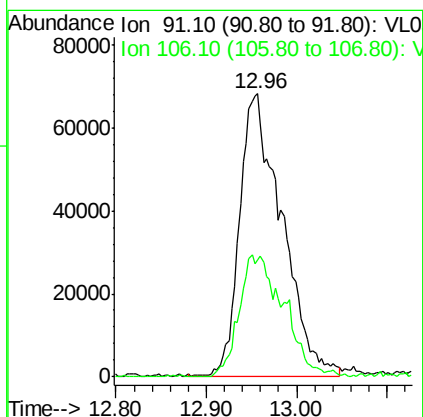
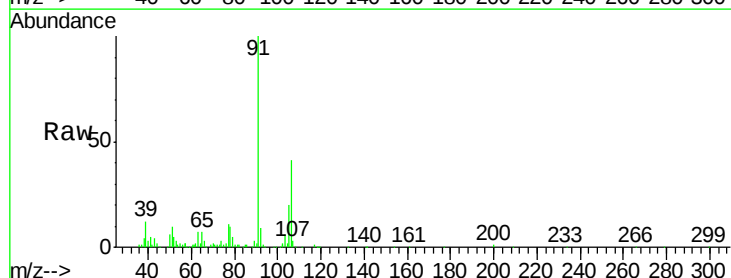
Acq: 2 Apr 2021 14:26

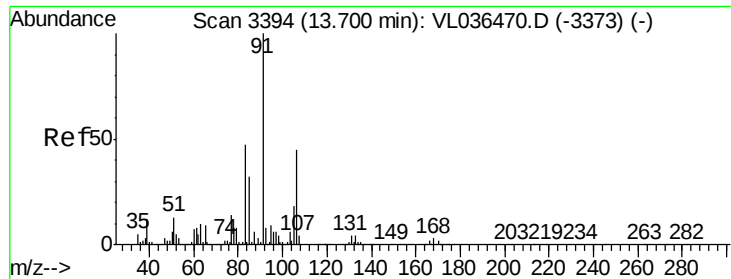
Tgt Ion: 91 Resp: 222610

Ion Ratio Lower Upper

91 100

106 0.0 35.3 52.9#





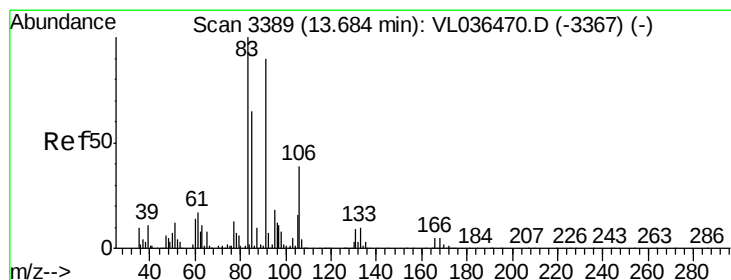
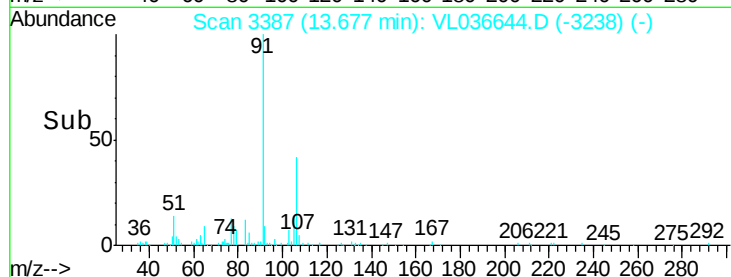
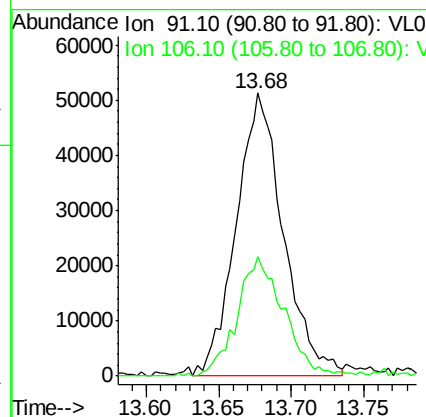
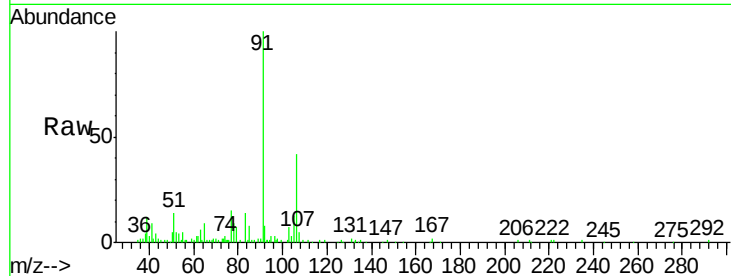
#60
o-Xylene
Concen: 0.308 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.02 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-05(2021)

Tot Ion	Ratio	Lower	Upper
91	100		
106	42.3	22.3	66.9

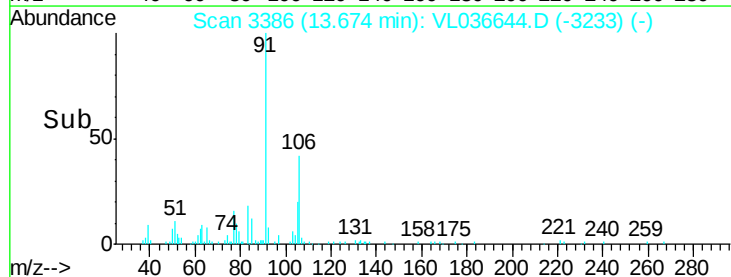
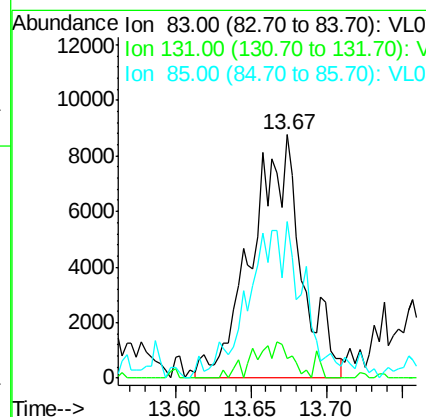
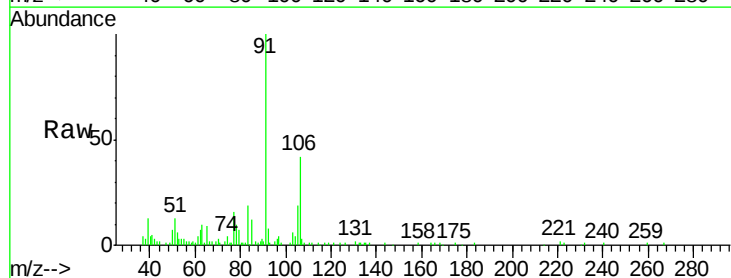
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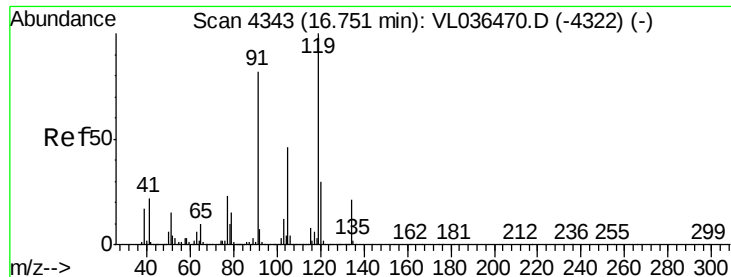
apatel
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#63
1,1,2,2-Tetrachloroethane
Concen: 0.071 ppbv m
RT: 13.67 min Scan# 3386
Delta R.T. -0.01 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Tgt Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	0.0	33.1	99.3#





#65

tert-Butylbenzene

Concen: 0.388 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Instrument :

MSVOA_L

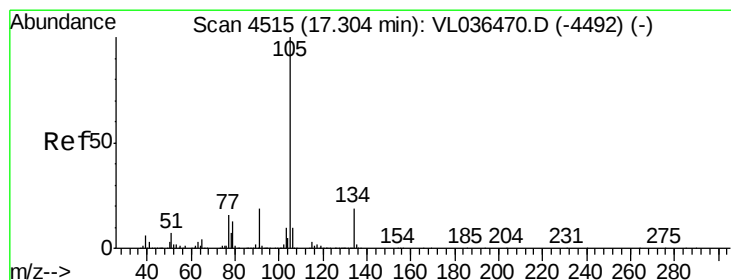
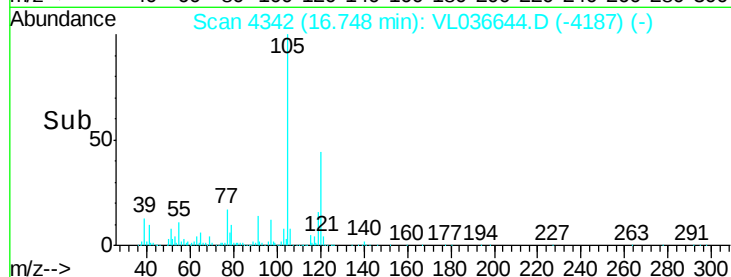
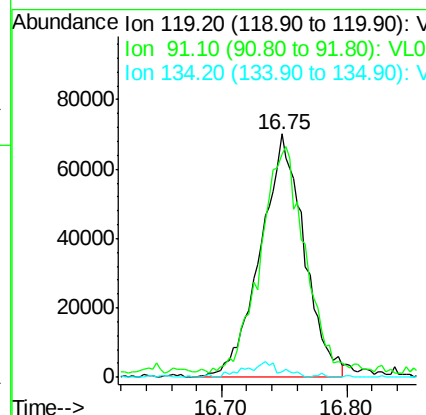
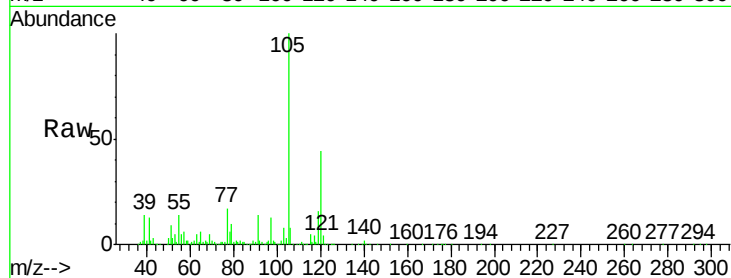
ClientSampleId :

MF-SG-05(2021)

Tot Ion	Ratio	Resp	Lower	Upper
119	100	168777		
91	97.0	67.5	101.3	
134	5.8	15.8	23.8	

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#67

sec-Butylbenzene

Concen: 0.326 ppbv

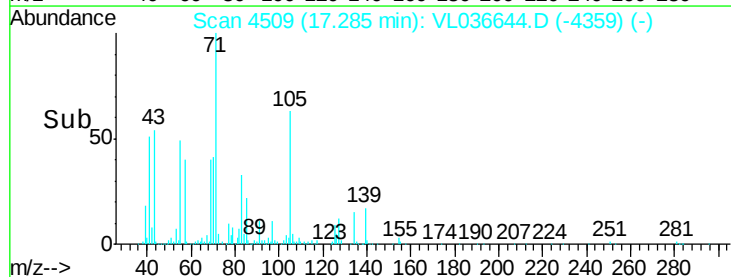
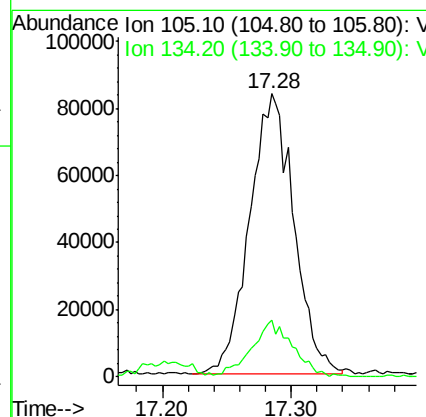
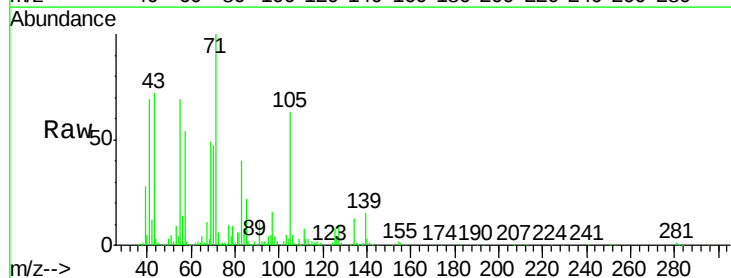
RT: 17.28 min Scan# 4509

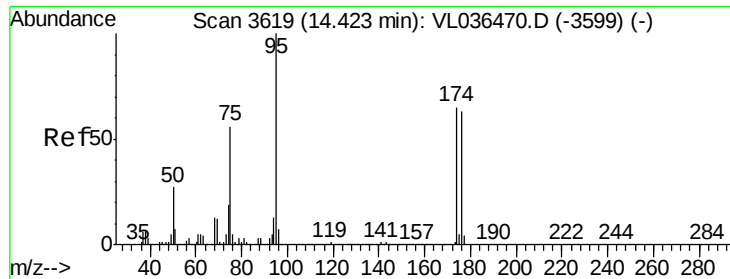
Delta R.T. -0.02 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	199935		
134	18.6	14.7	22.1	





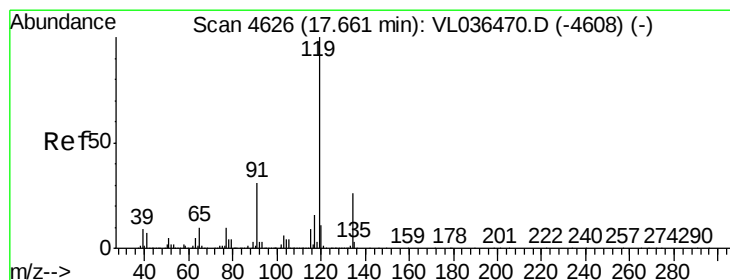
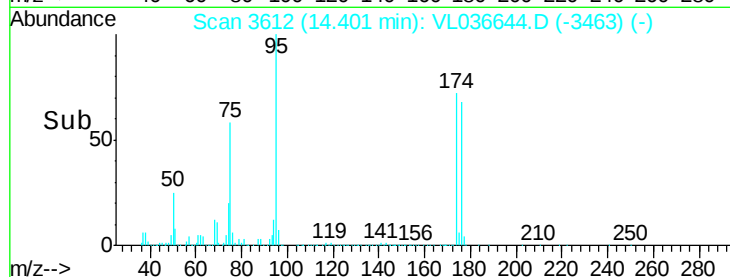
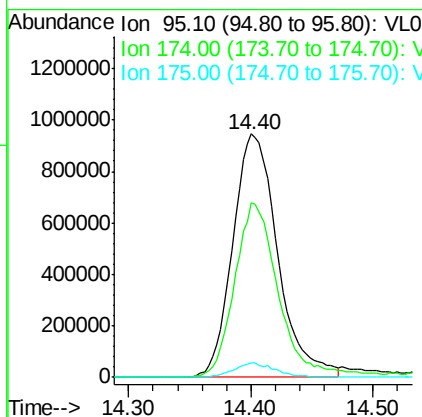
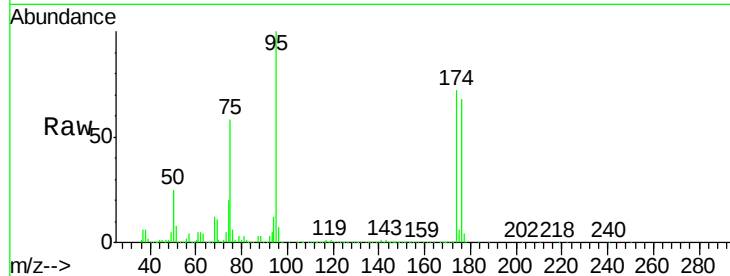
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.943 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. -0.02 min
 Lab File: VL036644.D
 Acq: 2 Apr 2021 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-05(2021)

Tot Ion: 95 Resp: 2405091
 Ion Ratio Lower Upper
 95 100
 174 72.9 51.0 76.6
 175 5.6 3.9 5.9

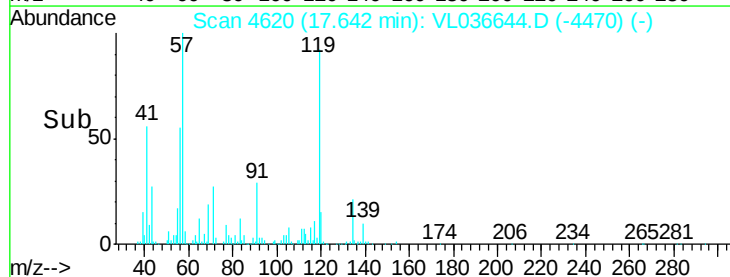
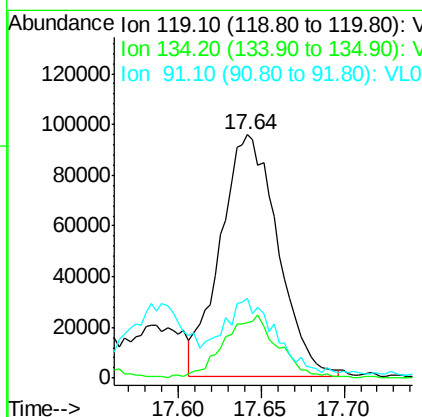
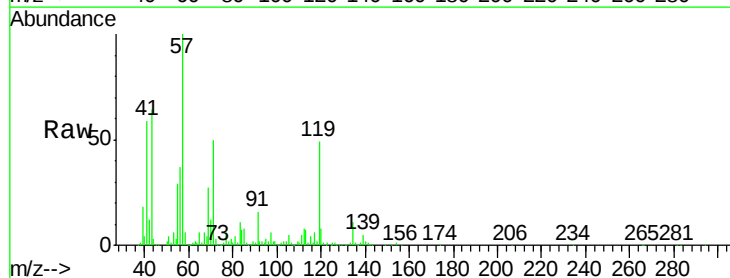
Manual Integrations
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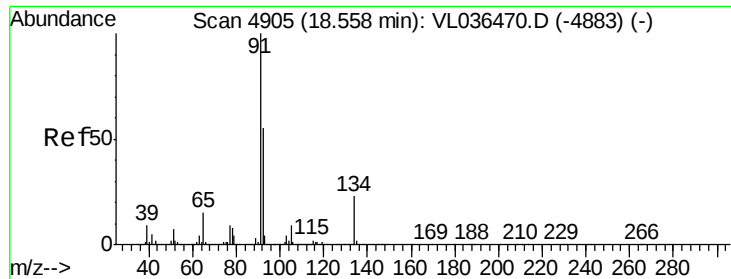
apatel
 4/5/2021 1:13:52 PM



#69
 p-Isopropyltoluene
 Concen: 0.480 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. -0.02 min
 Lab File: VL036644.D
 Acq: 2 Apr 2021 14:26

Tgt Ion: 119 Resp: 230281
 Ion Ratio Lower Upper
 119 100
 134 24.9 20.6 30.8
 91 29.3 25.0 37.6





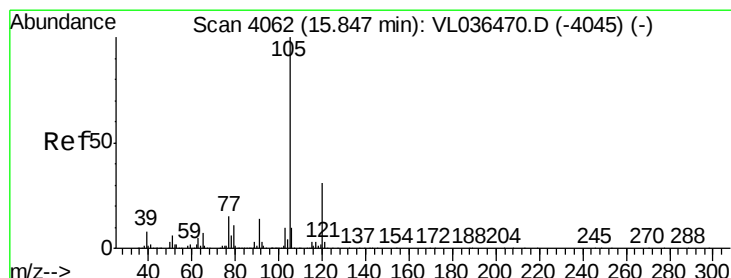
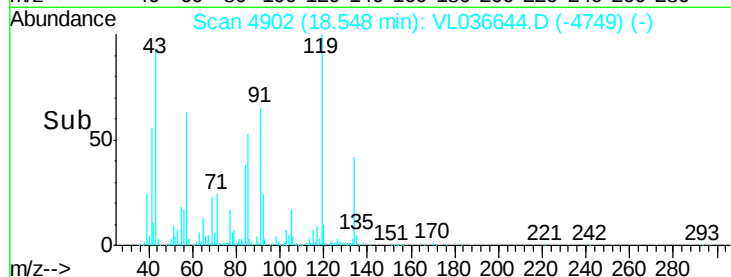
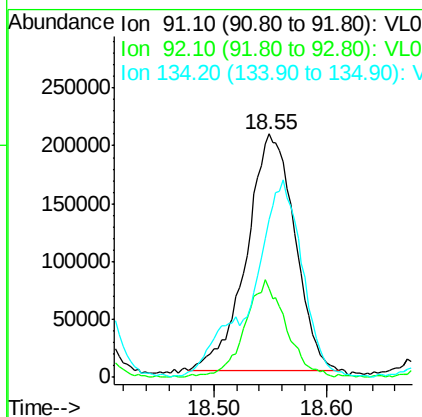
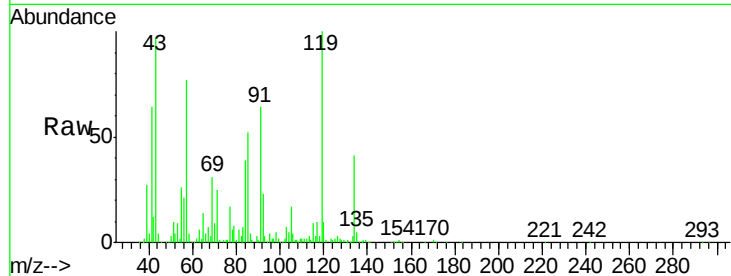
#70
n-Butylbenzene
Concen: 1.219 ppbv
RT: 18.55 min Scan# 4902
Delta R.T. -0.01 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-05(2021)

Tot Ion	Ratio	Lower	Upper
91	100		
92	35.0	43.8	65.8#
134	87.6	18.0	27.0#

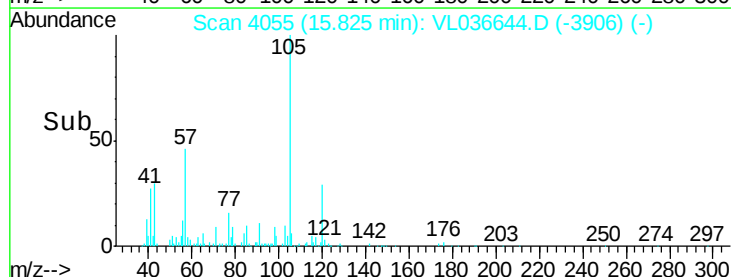
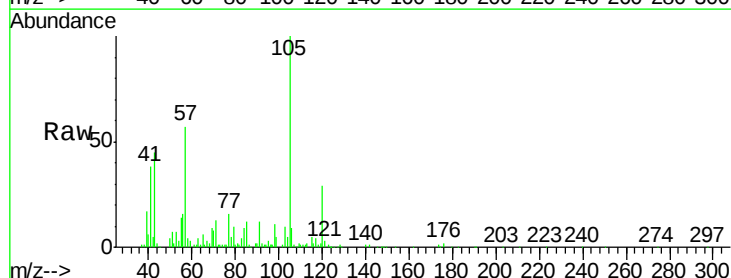
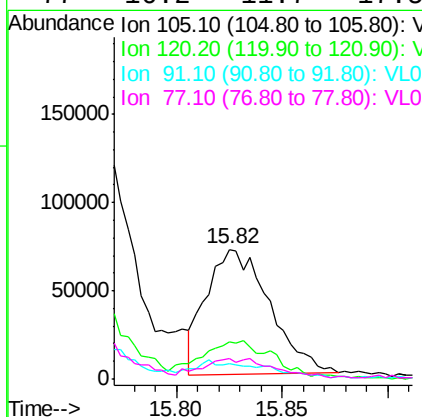
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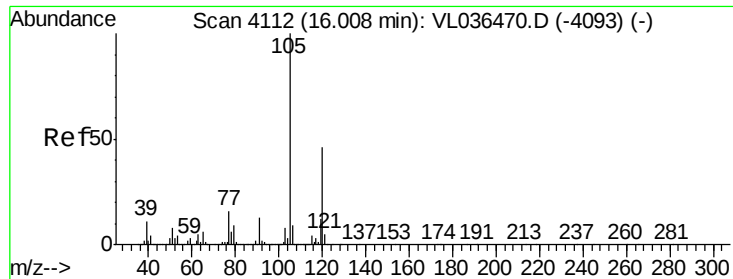
apatel
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#72
4-Ethyltoluene
Concen: 0.358 ppbv
RT: 15.82 min Scan# 4055
Delta R.T. -0.02 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	37.4	24.0	36.0#
91	17.0	11.0	16.4#
77	16.2	11.7	17.5





#73

1,3,5-Trimethylbenzene

Concen: 0.914 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. -0.02 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-05(2021)

Tot Ion:105 Resp: 348033

Ion Ratio Lower Upper

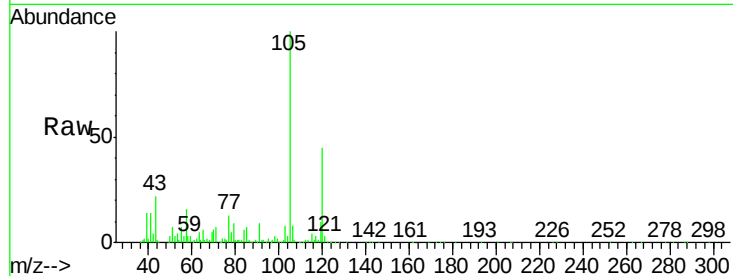
105 100

120 45.5 36.6 54.8

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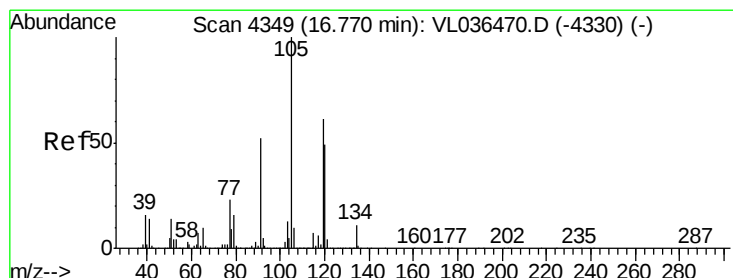
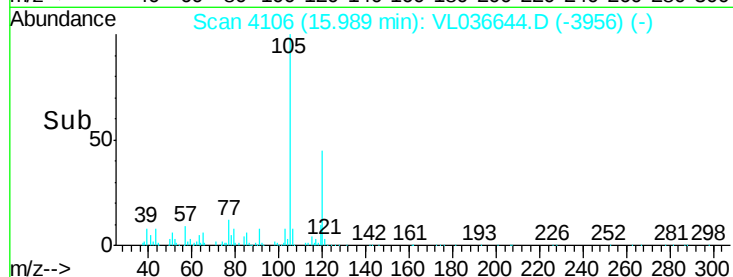
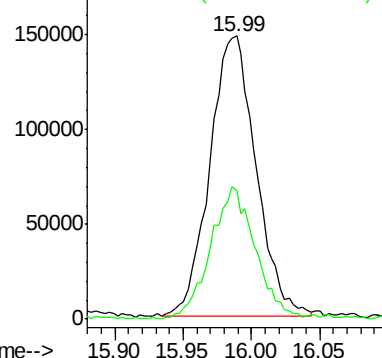
apatel

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 2.806 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.02 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Tgt Ion:105 Resp: 1143489

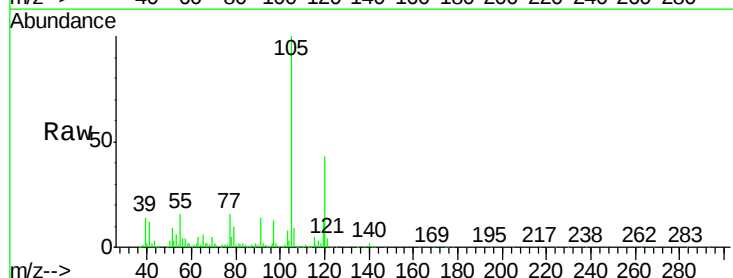
Ion Ratio Lower Upper

105 100

120 43.0 39.2 58.8

91 13.7 42.6 64.0#

77 15.2 18.6 28.0#

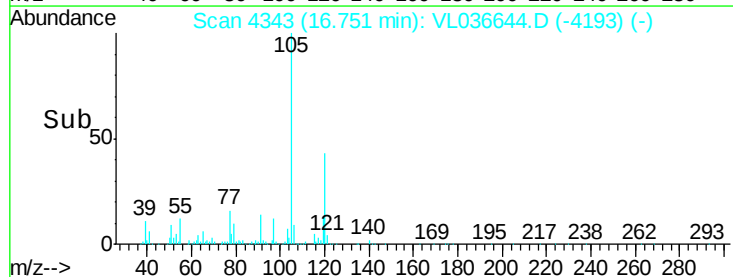
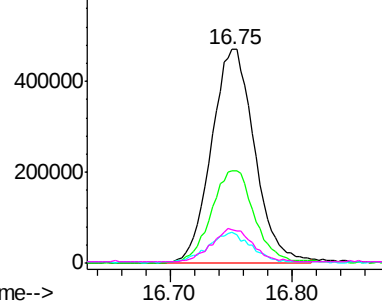


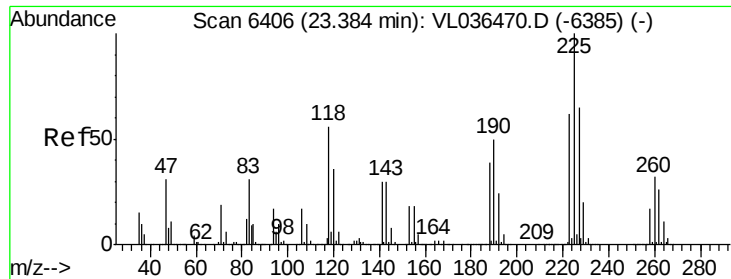
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





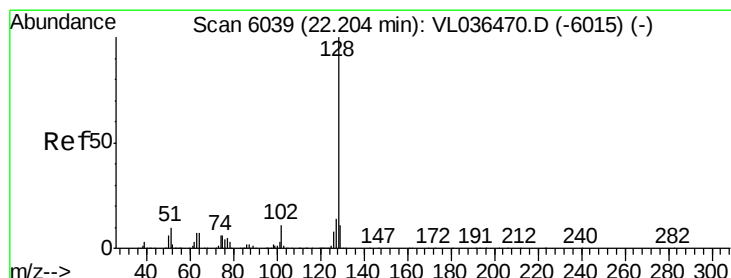
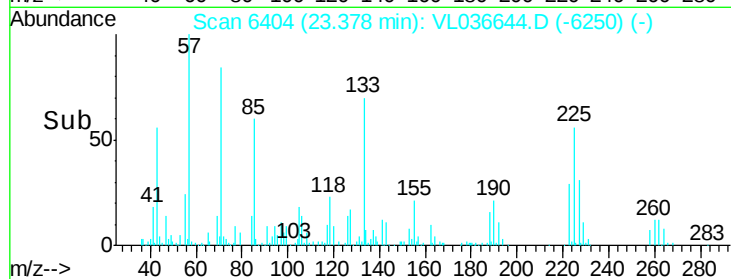
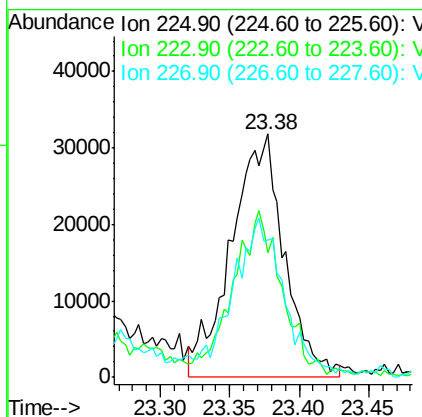
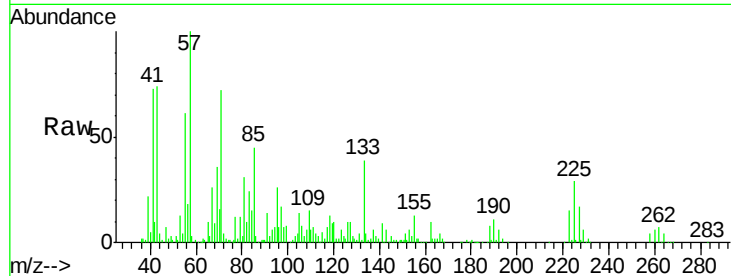
#78
Hexachloro-1,3-Butadiene
Concen: 0.441 ppbv m
RT: 23.38 min Scan# 6404
Delta R.T. -0.01 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-05(2021)

Tot Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	75.8#
227	0.0	52.2	78.2#

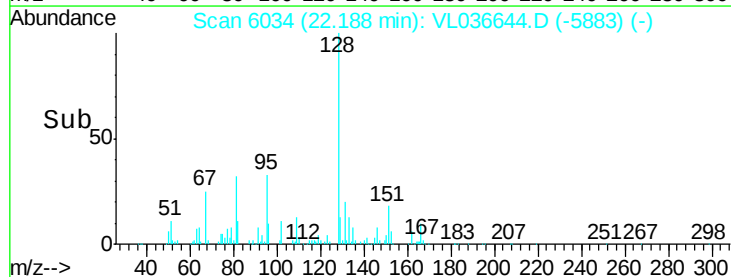
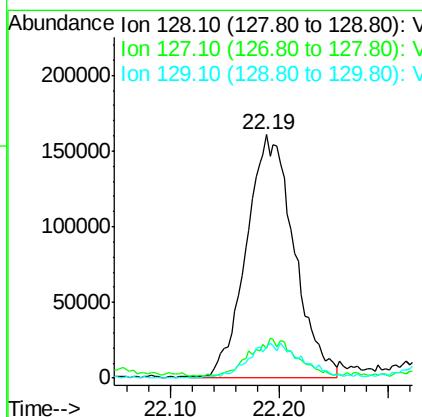
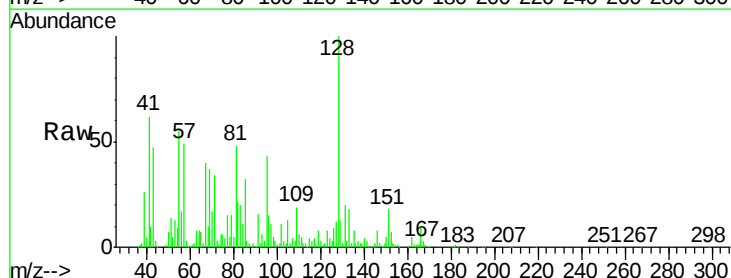
Manual Integrations
APPROVED

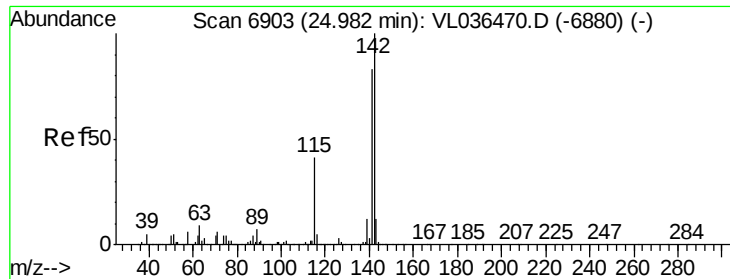
apatel
4/5/2021 1:13:52 PM



#79
Naphthalene
Concen: 2.054 ppbv m
RT: 22.19 min Scan# 6034
Delta R.T. -0.02 min
Lab File: VL036644.D
Acq: 2 Apr 2021 14:26

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.9	16.3
129	12.6	9.0	13.4





#80

Naphthalene, 2-methyl-

Concen: 4.344 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. -0.02 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Instrument :

MSVOA_L

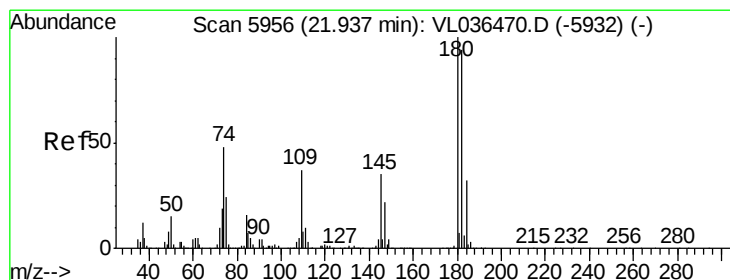
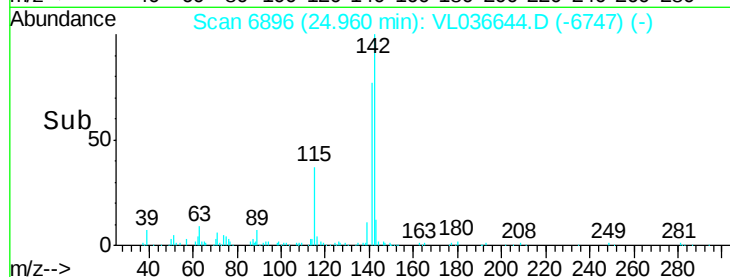
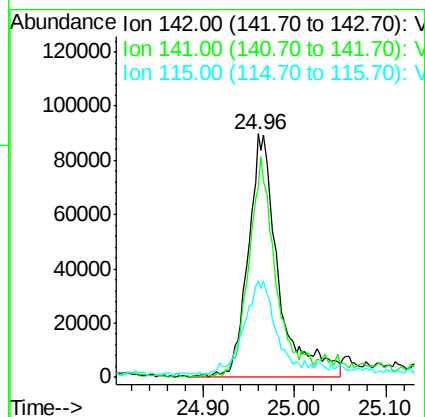
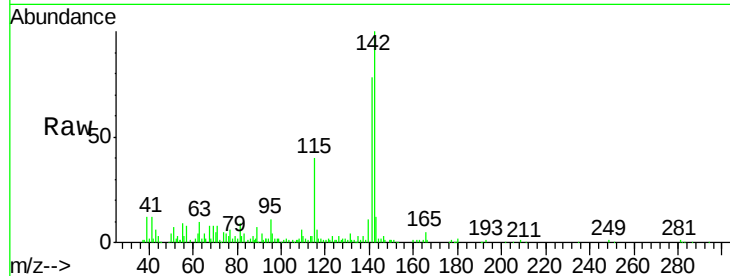
ClientSampleId :

MF-SG-05(2021)

Tot Ion:	142	Resp:	203703
Ion Ratio	Lower	Upper	
142	100		
141	81.8	67.8	101.8
115	43.8	34.0	51.0

Manual Integrations
APPROVED

apatel
4/5/2021 1:13:52 PM



#81

1,2,4-Trichlorobenzene

Concen: 0.339 ppbv m

RT: 21.93 min Scan# 5953

Delta R.T. -0.01 min

Lab File: VL036644.D

Acq: 2 Apr 2021 14:26

Tgt Ion:	180	Resp:	49799
Ion Ratio	Lower	Upper	
180	100		
182	103.0	80.8	121.2
184	0.0	25.0	37.4#

